

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062327.D
 Acq On : 14 May 2019 2:58
 Operator : FY/SY
 Sample : K2735-05MS
 Misc : 5.87g/5mL/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Quant Time: May 14 05:14:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	557864	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	824905	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	650726	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	301908	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	307893	59.39	ug/l	0.05
Spiked Amount	50.000		Recovery	=	118.78%	
35) Dibromofluoromethane	6.94	113	378718	55.33	ug/l	0.05
Spiked Amount	50.000		Recovery	=	110.66%	
50) Toluene-d8	10.43	98	768441	46.57	ug/l	0.03
Spiked Amount	50.000		Recovery	=	93.14%	
62) 4-Bromofluorobenzene	13.57	95	304110	45.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	313785	58.811	ug/l	99
3) Chloromethane	1.77	50	219908	57.041	ug/l	99
4) Vinyl Chloride	1.87	62	241794	63.816	ug/l	97
5) Bromomethane	2.16	94	111023	125.054	ug/l	93
6) Chloroethane	2.29	64	127487	80.187	ug/l	97
7) Trichlorofluoromethane	2.55	101	528017	71.681	ug/l	96
8) Diethyl Ether	2.89	74	68869	48.477	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.16	101	322674	57.907	ug/l	94
10) Methyl Iodide	3.32	142	454326	53.947	ug/l #	79
11) Tert butyl alcohol	4.08	59	59853	226.176	ug/l	97
12) 1,1-Dichloroethene	3.14	96	254593	59.853	ug/l #	82
13) Acrolein	3.06	56	1349	4.929	ug/l	99
14) Allyl chloride	3.65	41	350174	56.619	ug/l #	79
15) Acrylonitrile	4.22	53	139276	200.233	ug/l #	81
16) Acetone	3.24	43	193213	177.716	ug/l #	81
17) Carbon Disulfide	3.39	76	670596	54.804	ug/l	98
18) Methyl Acetate	3.66	43	251049	129.594	ug/l	91
19) Methyl tert-butyl Ether	4.26	73	534878	58.666	ug/l	92
20) Methylene Chloride	3.83	84	257012	56.617	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	292300	61.754	ug/l	87
22) Diisopropyl ether	5.14	45	766504	58.240	ug/l	93
23) Vinyl Acetate	5.08	43	204507	29.451	ug/l	100
24) 1,1-Dichloroethane	5.01	63	492549	62.037	ug/l	97
25) 2-Butanone	6.09	43	221367	186.669	ug/l	93
26) 2,2-Dichloropropane	6.05	77	467842	59.155	ug/l	93
27) cis-1,2-Dichloroethene	6.06	96	313546	59.181	ug/l	90
28) Bromochloromethane	6.46	49	161975	51.854	ug/l	85
29) Tetrahydrofuran	6.48	42	125462	229.614	ug/l	97
30) Chloroform	6.69	83	681118	71.183	ug/l	99
31) Cyclohexane	6.98	56	319369	58.714	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	704968	77.948	ug/l	98
36) 1,1-Dichloropropene	7.17	75	422661	62.492	ug/l	91
37) Ethyl Acetate	6.20	43	61615	21.481	ug/l #	97
38) Carbon Tetrachloride	7.13	117	720086	76.922	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062327.D
 Acq On : 14 May 2019 2:58
 Operator : FY/SY
 Sample : K2735-05MS
 Misc : 5.87g/5mL/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Quant Time: May 14 05:14:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	337334	52.056	ug/l	99
40) Benzene	7.47	78	866385	56.728	ug/l	96
41) Methacrylonitrile	6.47	41	167732	47.853	ug/l #	84
42) 1,2-Dichloroethane	7.60	62	428407	66.206	ug/l	92
43) Isopropyl Acetate	9.26	43	73591	18.091	ug/l	93
44) Trichloroethene	8.56	130	313241	53.824	ug/l	74
45) 1,2-Dichloropropane	8.96	63	211784	56.062	ug/l	98
46) Dibromomethane	9.08	93	174351	56.755	ug/l	98
47) Bromodichloromethane	9.39	83	474017	63.083	ug/l	98
48) Methyl methacrylate	9.14	41	138874	55.425	ug/l #	82
49) 1,4-Dioxane	9.10	88	23069	853.313	ug/l #	92
51) 4-Methyl-2-Pentanone	10.32	43	582024	222.583	ug/l	89
52) Toluene	10.53	92	572449	57.608	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	349207	53.771	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	378928	53.484	ug/l #	82
55) 1,1,2-Trichloroethane	11.20	97	182876	52.013	ug/l	98
56) Ethyl methacrylate	11.06	69	82875	22.683	ug/l #	87
57) 1,3-Dichloropropane	11.42	76	299896	56.459	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.88	63	366767	183.777	ug/l	99
59) 2-Hexanone	11.55	43	357538	185.517	ug/l	88
60) Dibromochloromethane	11.70	129	353119	58.114	ug/l	94
61) 1,2-Dibromoethane	11.82	107	224404	52.498	ug/l	97
64) Tetrachloroethene	11.27	164	285536	56.115	ug/l	95
65) Chlorobenzene	12.41	112	674663	55.665	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	346388	65.669	ug/l	95
67) Ethyl Benzene	12.53	91	1245797	61.398	ug/l	94
68) m/p-Xylenes	12.68	106	821041	111.219	ug/l	88
69) o-Xylene	13.06	106	388628	56.625	ug/l	89
70) Styrene	13.08	104	475256	40.878	ug/l	95
71) Bromoform	13.24	173	205142	55.899	ug/l #	99
73) Isopropylbenzene	13.41	105	1145972	63.323	ug/l	94
74) N-amyl acetate	13.27	43	86394	18.208	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	189345	55.266	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	187229	52.183	ug/l	99
77) Bromobenzene	13.67	156	315404	62.258	ug/l	82
78) n-propylbenzene	13.78	91	1349504	62.512	ug/l	95
79) 2-Chlorotoluene	13.85	91	800367	64.734	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	970094	63.657	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.48	75	46602	46.009	ug/l #	67
82) 4-Chlorotoluene	13.96	91	887082	60.971	ug/l	91
83) tert-Butylbenzene	14.20	119	1098588	64.136	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	930487	60.845	ug/l	90
85) sec-Butylbenzene	14.37	105	1054122	56.129	ug/l	96
86) p-Isopropyltoluene	14.50	119	840698	50.104	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	456781	49.358	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	479205	52.699	ug/l	96
89) n-Butylbenzene	14.81	91	784870	52.114	ug/l	94
90) Hexachloroethane	15.01	117	289285	63.398	ug/l	99
91) 1,2-Dichlorobenzene	14.82	146	434845	57.054	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	35031	62.289	ug/l	71

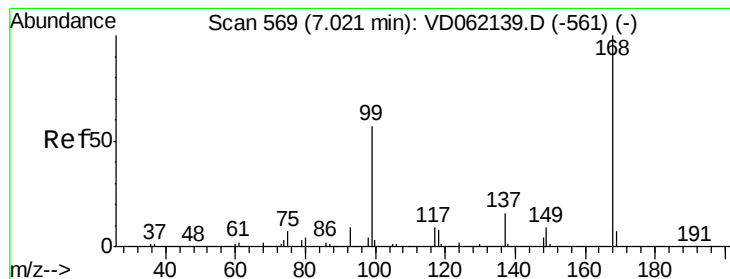
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
Data File : VD062327.D
Acq On : 14 May 2019 2:58
Operator : FY/SY
Sample : K2735-05MS
Misc : 5.87g/5mL/MSVOA D/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Quant Time: May 14 05:14:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	242262	43.670	ug/l	95
94) Hexachlorobutadiene	16.05	225	153740	37.261	ug/l	98
95) Naphthalene	16.13	128	364314	47.039	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	173307	49.687	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

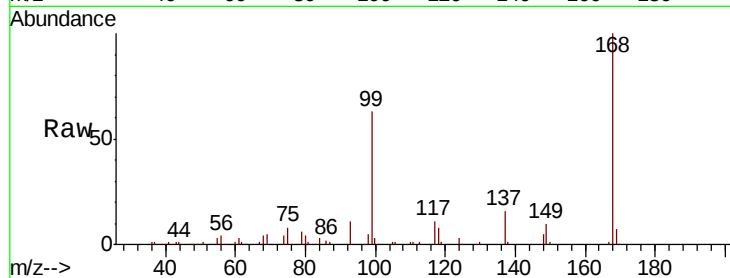
P026-SS015-1824-01MS

Tot Ion:168 Resp: 557864

Ion Ratio Lower Upper

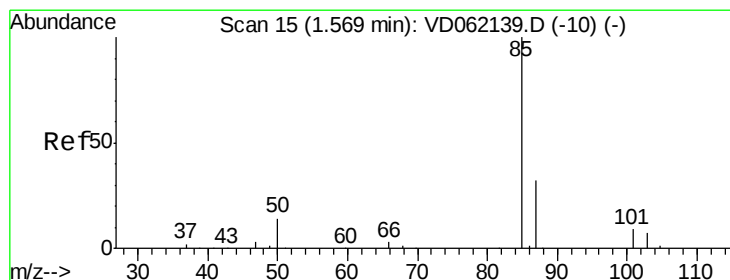
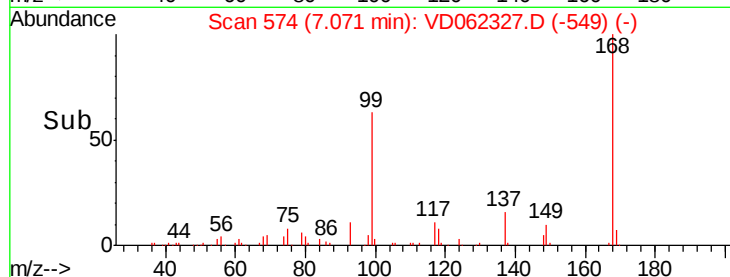
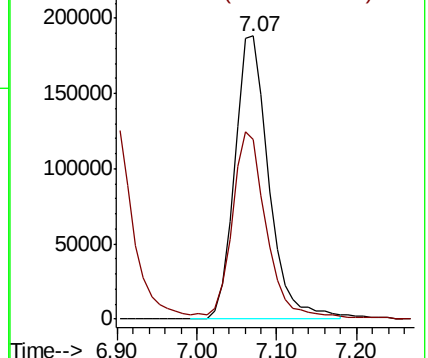
168 100

99 63.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 58.811 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD062327.D

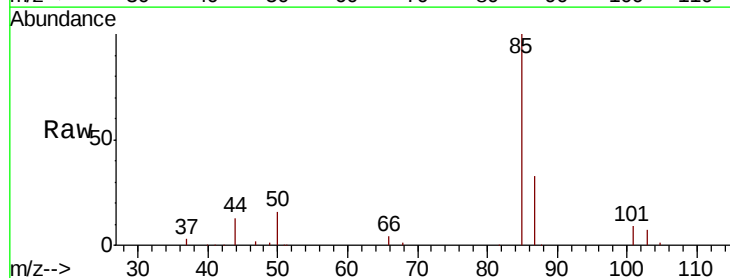
Acq: 14 May 2019 2:58

Tgt Ion: 85 Resp: 313785

Ion Ratio Lower Upper

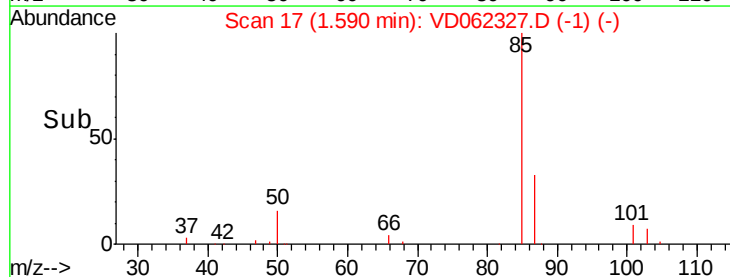
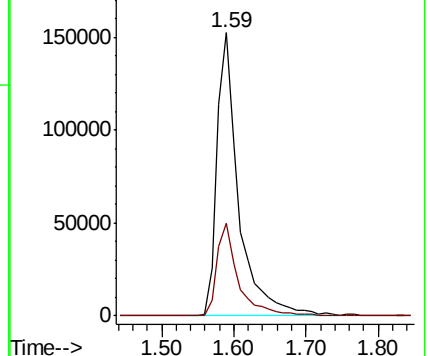
85 100

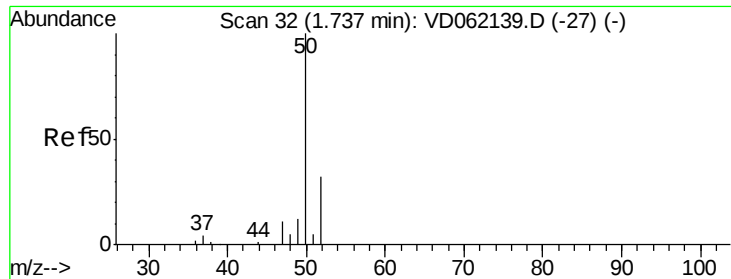
87 32.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 57.041 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.03 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

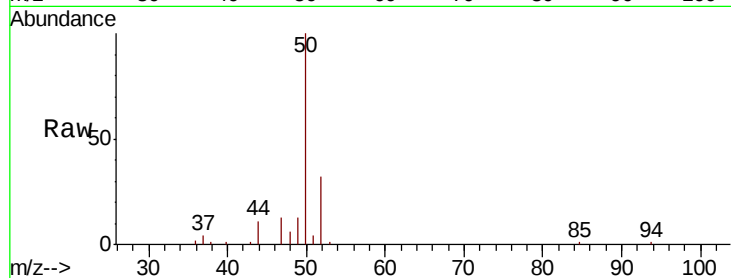
P026-SS015-1824-01MS

Tot Ion: 50 Resp: 219908

Ion Ratio Lower Upper

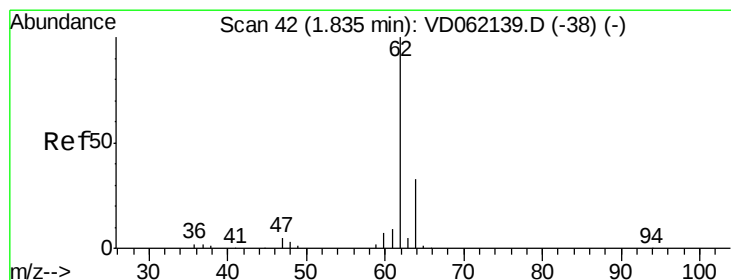
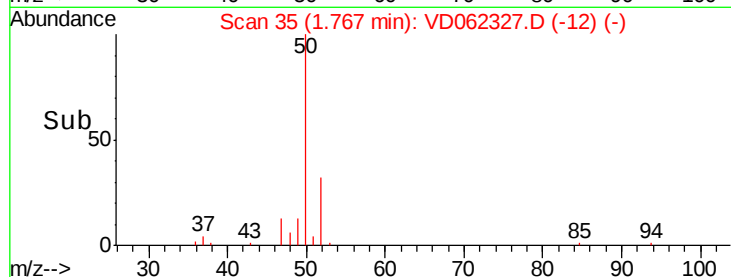
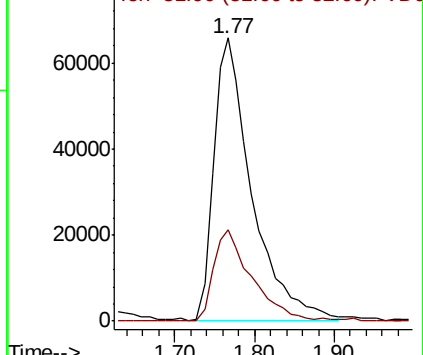
50 100

52 32.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 63.816 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.03 min

Lab File: VD062327.D

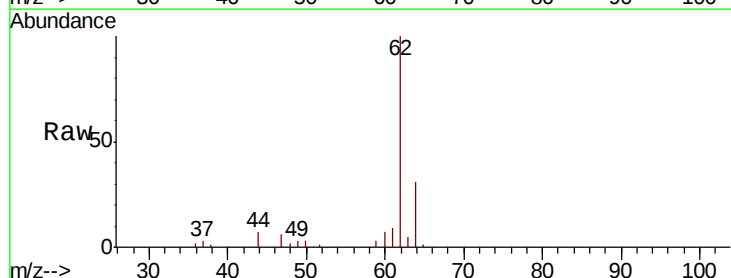
Acq: 14 May 2019 2:58

Tgt Ion: 62 Resp: 241794

Ion Ratio Lower Upper

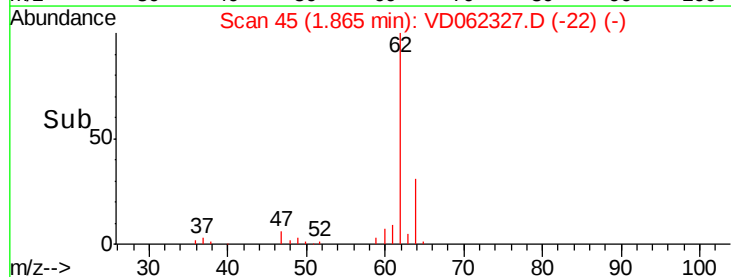
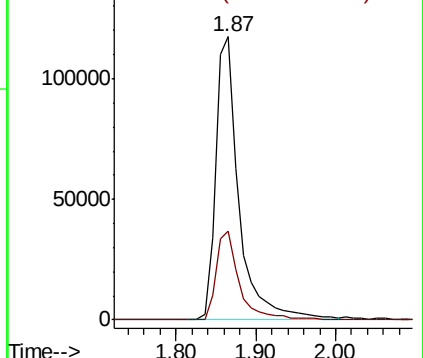
62 100

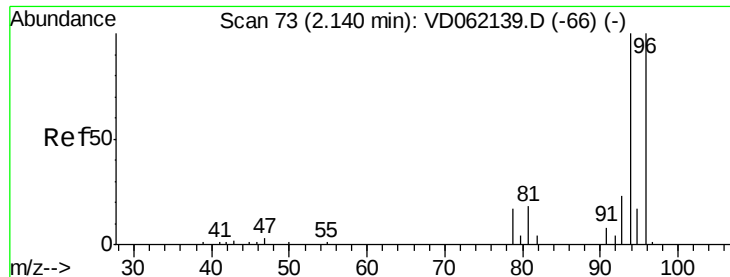
64 31.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 125.054 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

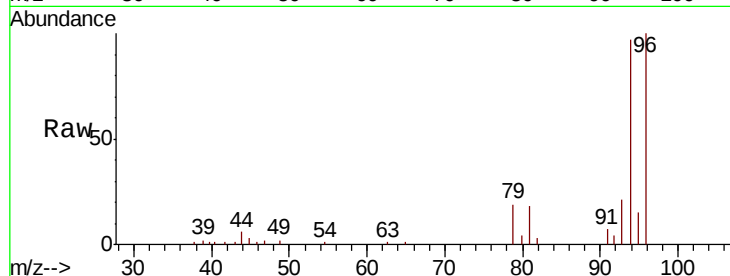
Tot Ion: 94 Resp: 111023

Ion Ratio Lower Upper

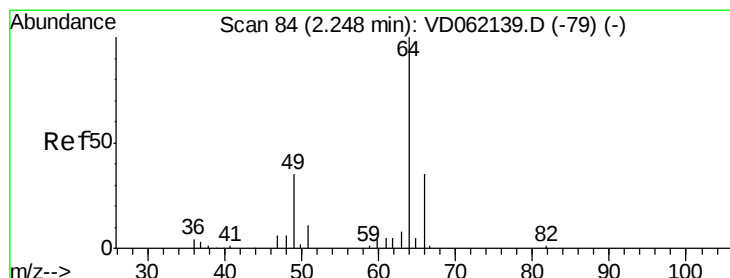
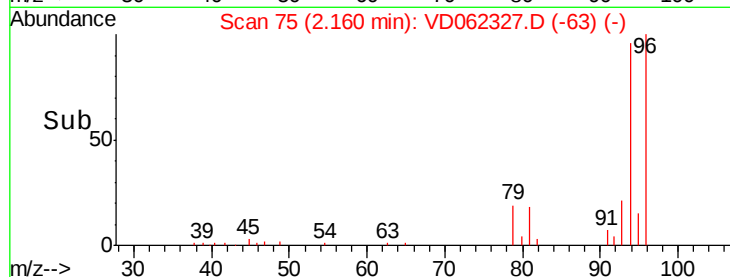
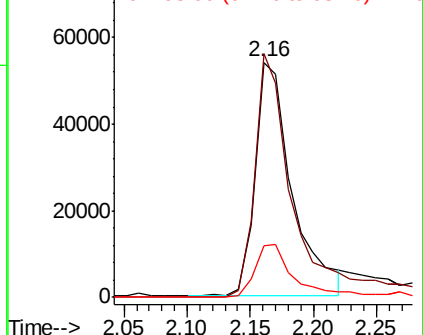
94 100

96 103.5 76.6 115.0

93 21.8 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 80.187 ug/l

RT: 2.29 min Scan# 88

Delta R.T. 0.04 min

Lab File: VD062327.D

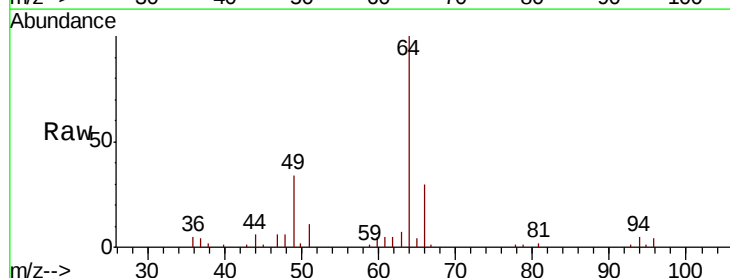
Acq: 14 May 2019 2:58

Tgt Ion: 64 Resp: 127487

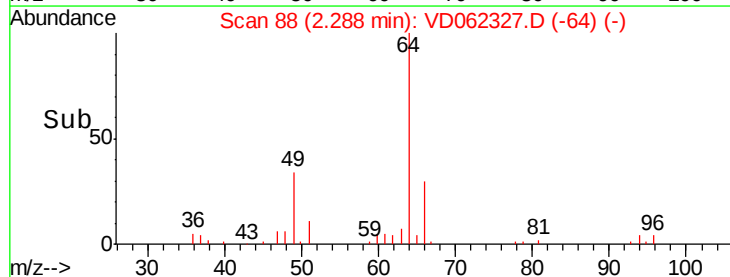
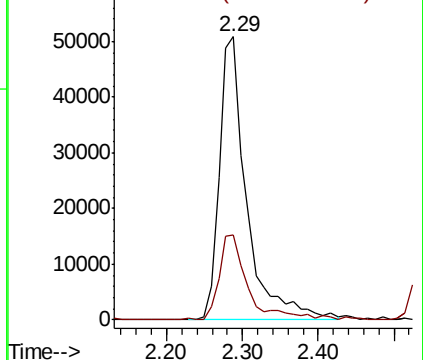
Ion Ratio Lower Upper

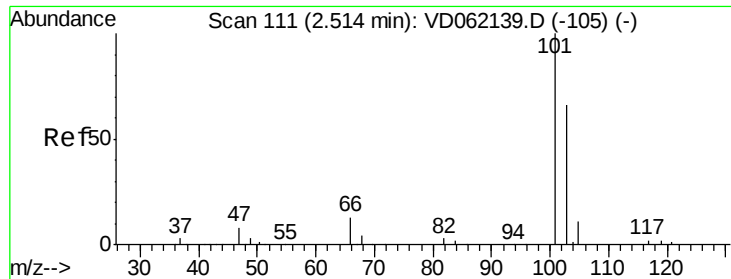
64 100

66 30.1 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



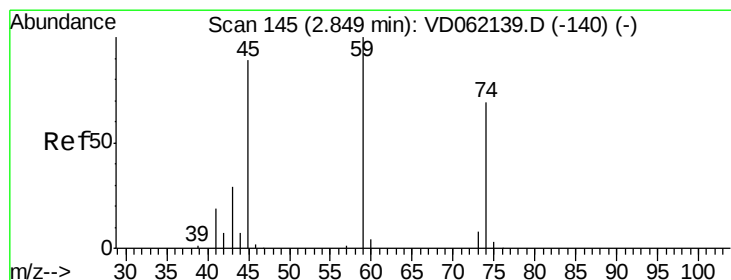
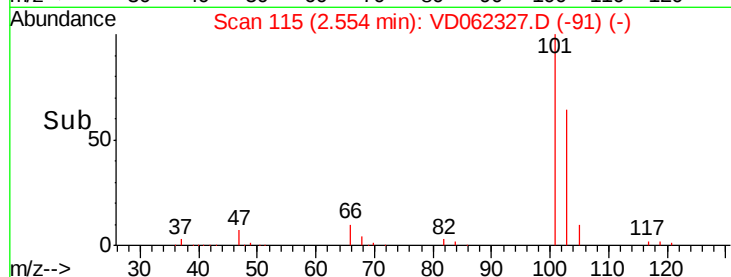
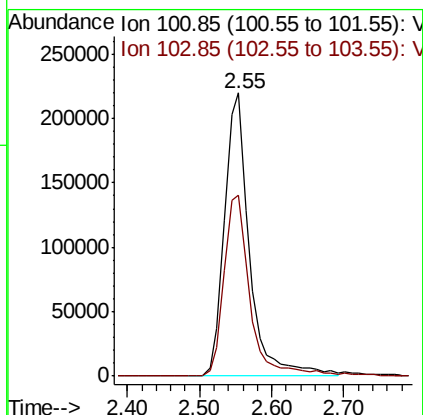
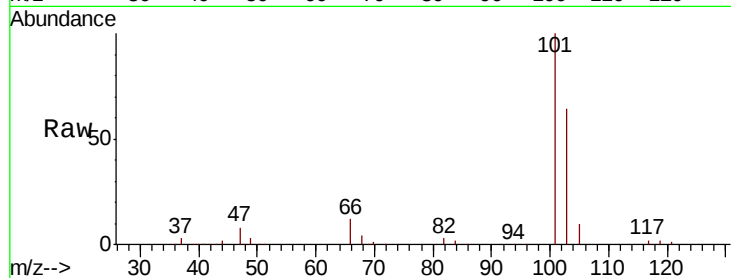


#7

Trichlorofluoromethane
 Concen: 71.681 ug/l
 RT: 2.55 min Scan# 115
 Delta R.T. 0.04 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

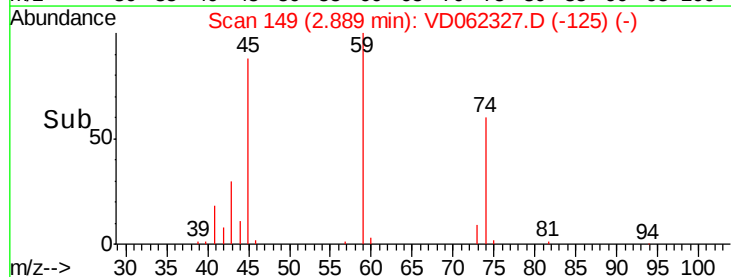
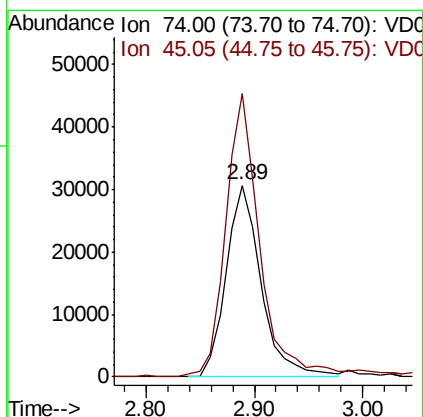
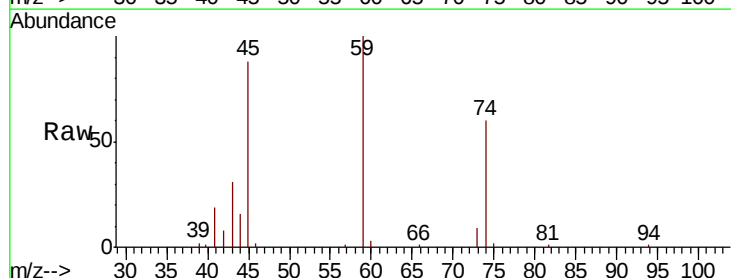
Tot Ion:101 Resp: 528017
 Ion Ratio Lower Upper
 101 100
 103 63.9 53.6 80.4

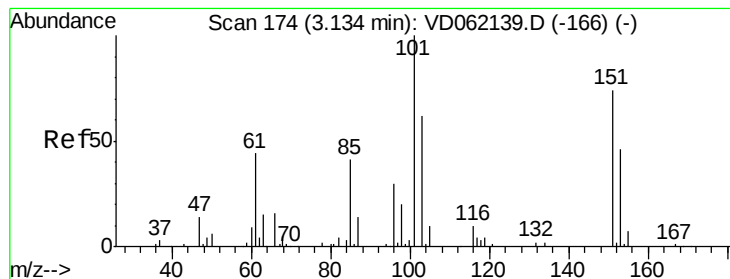


#8

Diethyl Ether
 Concen: 48.477 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.04 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion: 74 Resp: 68869
 Ion Ratio Lower Upper
 74 100
 45 147.6 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.907 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

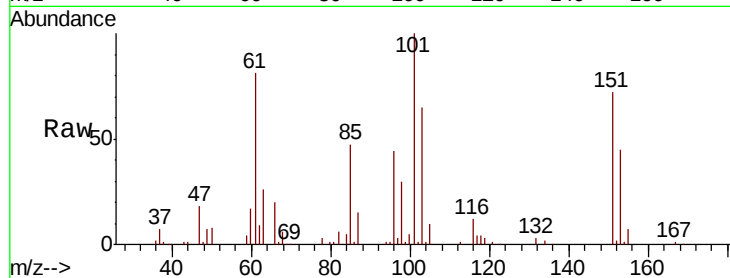
Tot Ion:101 Resp: 322674

Ion Ratio Lower Upper

101 100

85 47.5 32.4 48.6

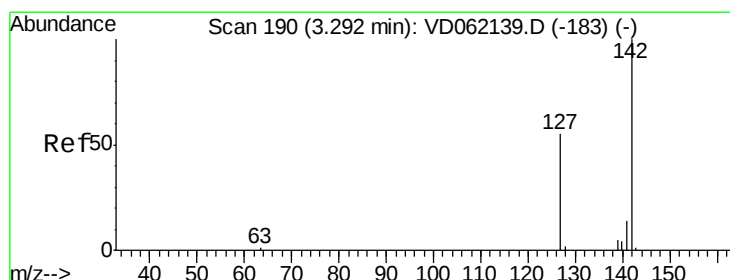
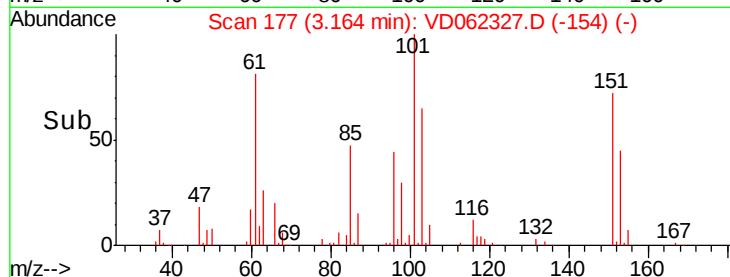
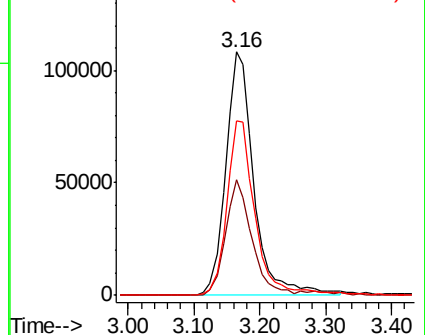
151 71.5 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 53.947 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

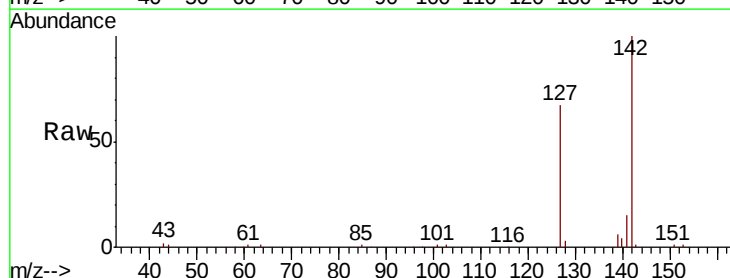
Tgt Ion:142 Resp: 454326

Ion Ratio Lower Upper

142 100

127 66.9 38.8 58.2#

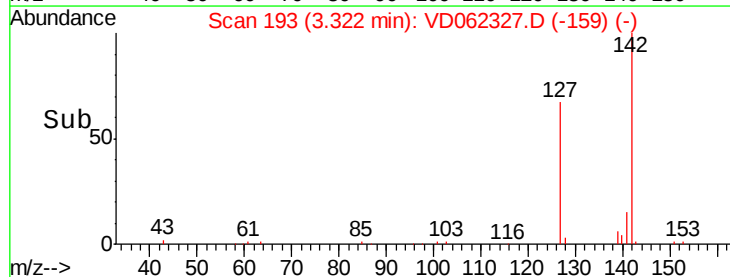
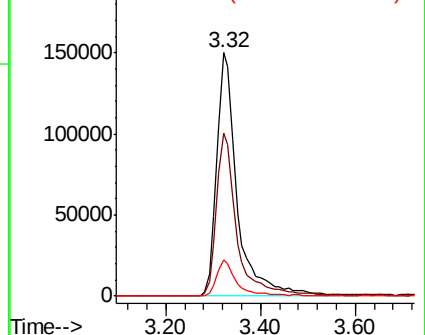
141 15.0 11.4 17.0

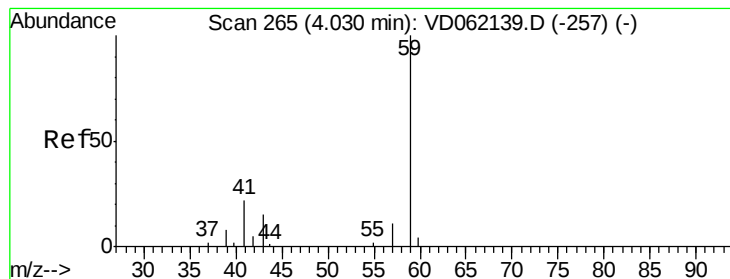


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



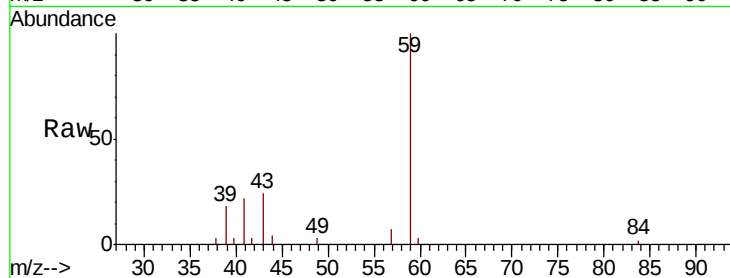


#11

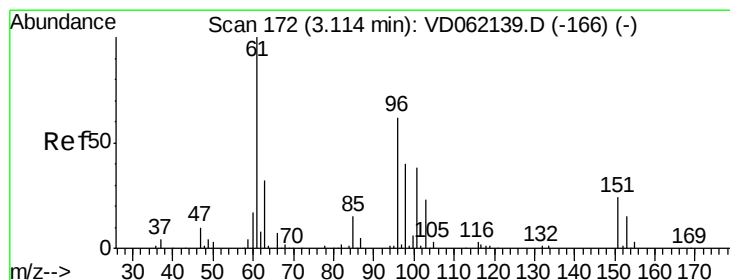
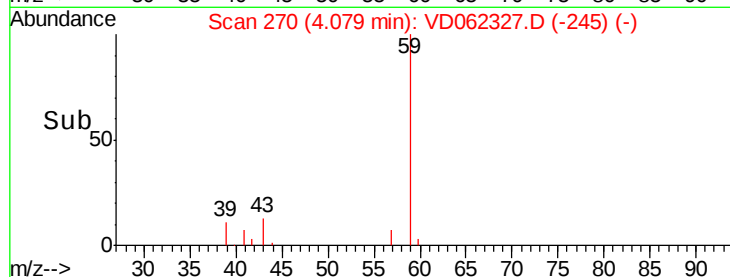
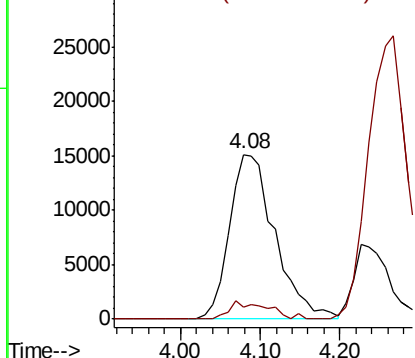
Tert butyl alcohol
 Concen: 226.176 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.05 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Tot Ion: 59 Resp: 59853
 Ion Ratio Lower Upper
 59 100
 57 7.4 6.9 10.3



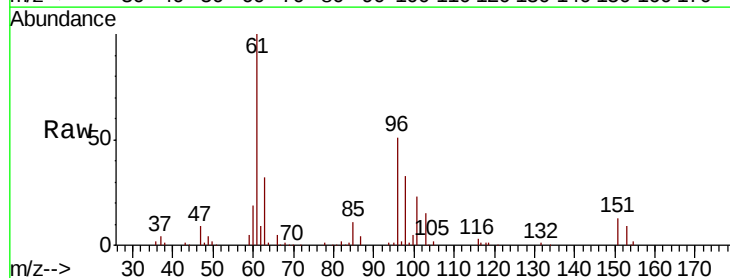
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



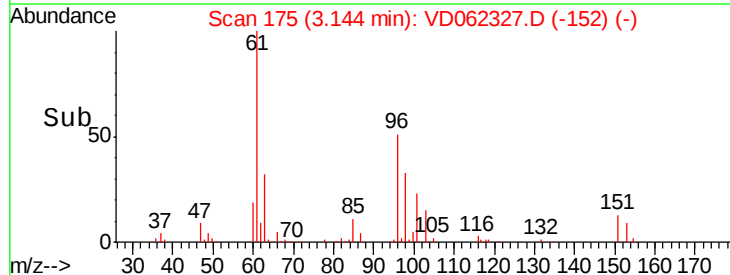
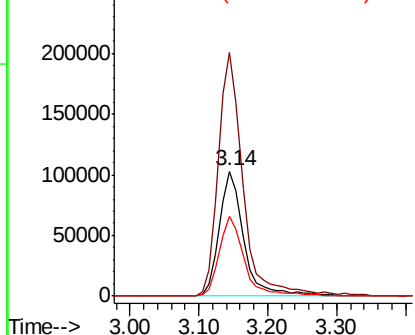
#12

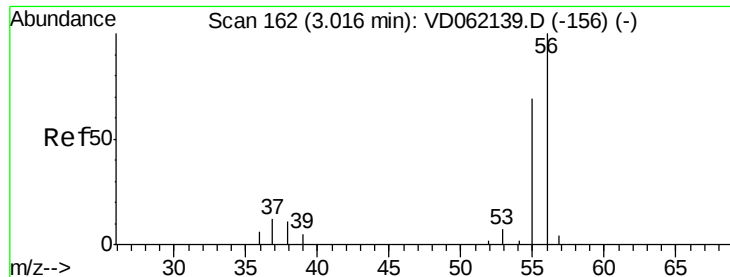
1,1-Dichloroethene
 Concen: 59.853 ug/l
 RT: 3.14 min Scan# 175
 Delta R.T. 0.03 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion: 96 Resp: 254593
 Ion Ratio Lower Upper
 96 100
 61 195.4 129.8 194.8#
 98 63.6 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 4.929 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

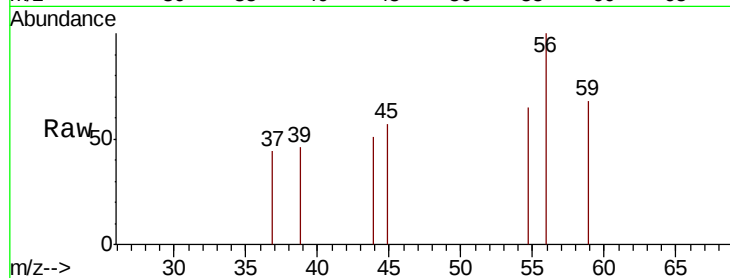
P026-SS015-1824-01MS

Tot Ion: 56 Resp: 1349

Ion Ratio Lower Upper

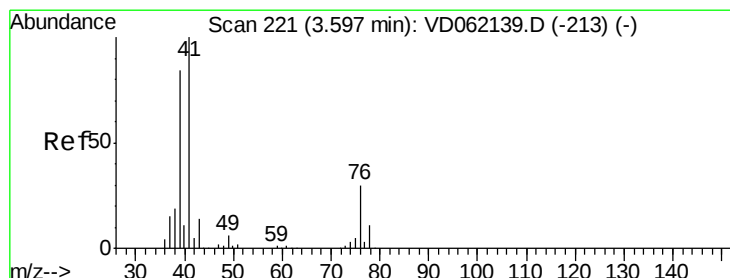
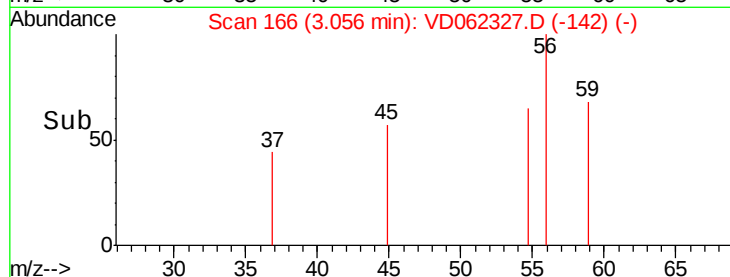
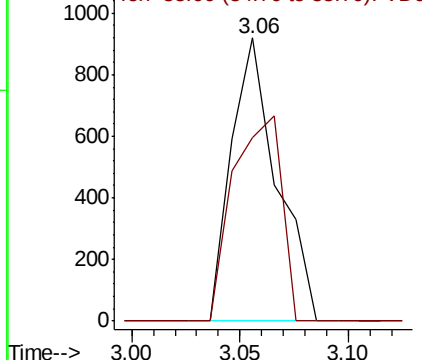
56 100

55 64.7 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 56.619 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

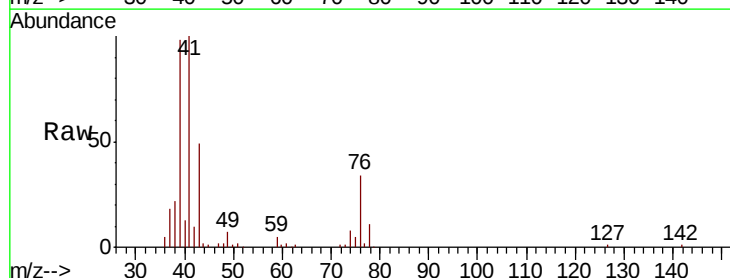
Tgt Ion: 41 Resp: 350174

Ion Ratio Lower Upper

41 100

39 98.2 60.5 90.7#

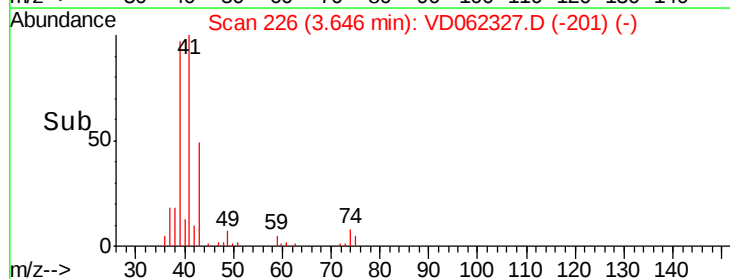
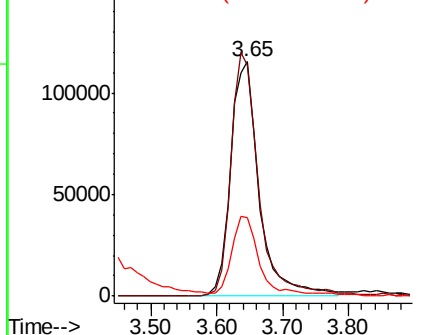
76 33.7 31.8 47.8

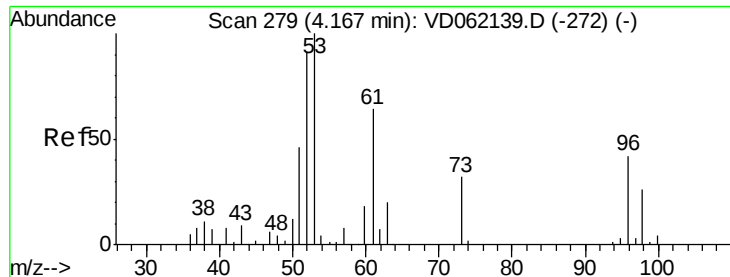


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 200.233 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

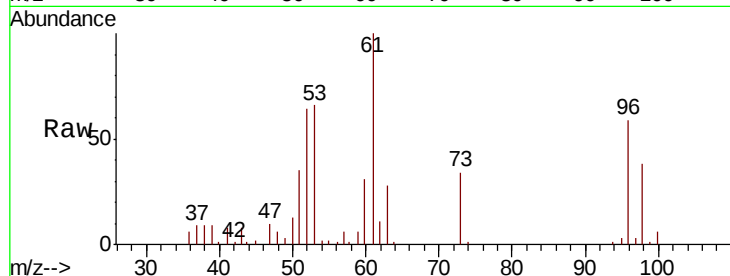
Tot Ion: 53 Resp: 139276

Ion Ratio Lower Upper

53 100

52 97.8 65.0 97.4#

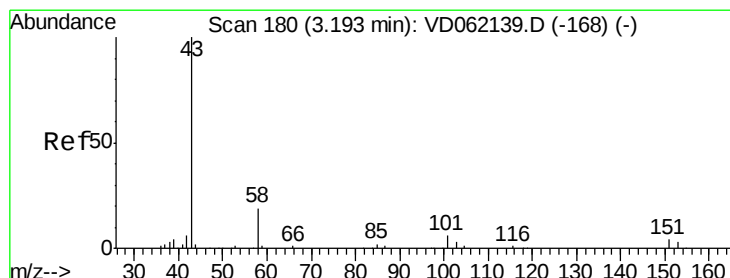
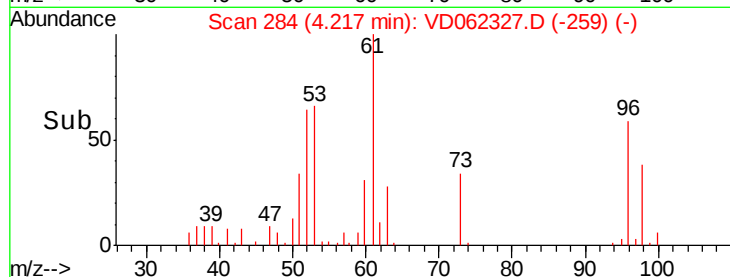
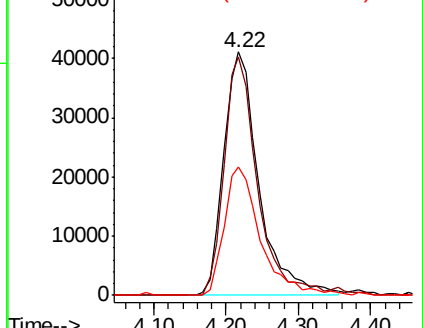
51 52.8 32.6 48.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 177.716 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD062327.D

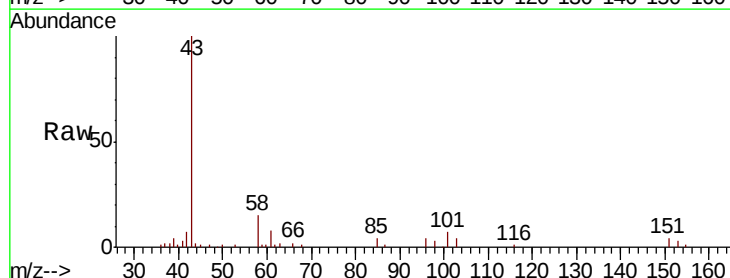
Acq: 14 May 2019 2:58

Tgt Ion: 43 Resp: 193213

Ion Ratio Lower Upper

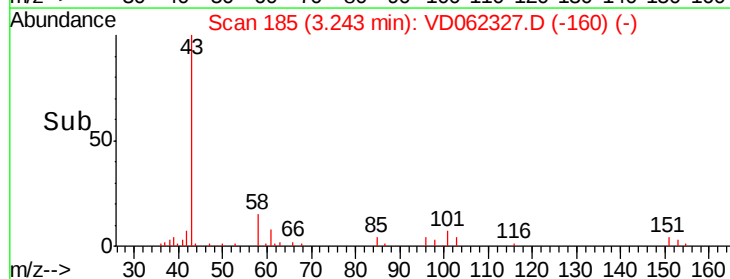
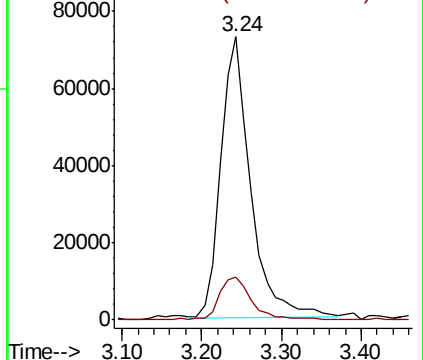
43 100

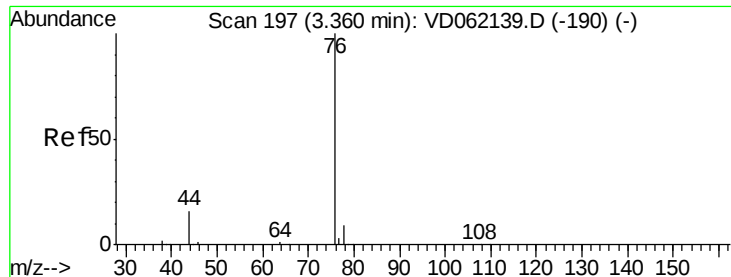
58 15.3 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

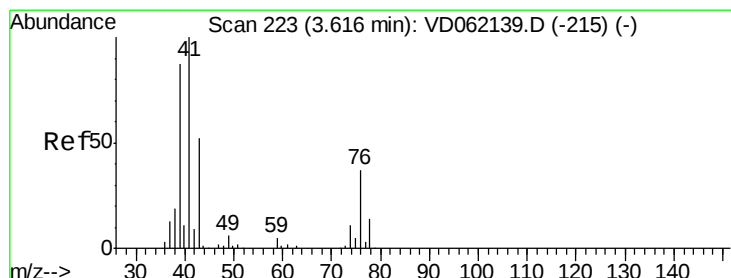
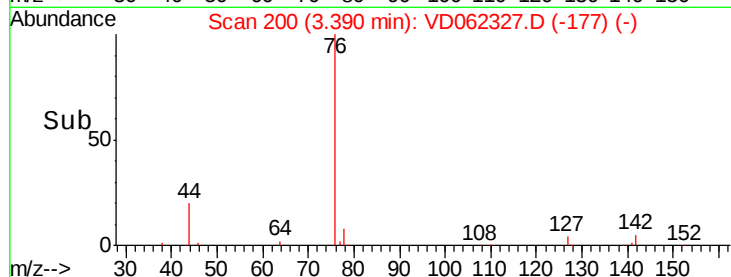
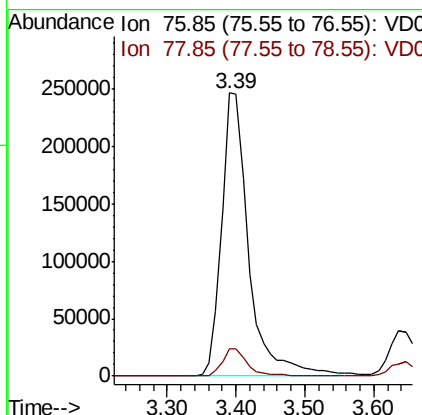
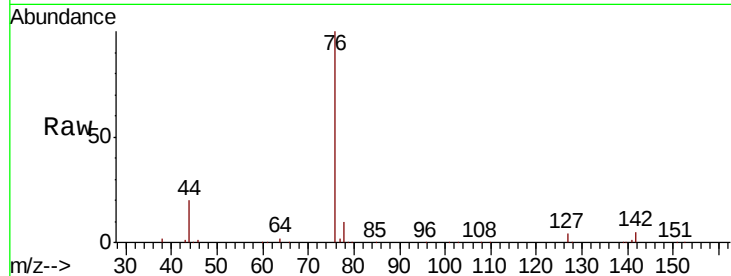




#17
Carbon Disulfide
Concen: 54.804 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.03 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

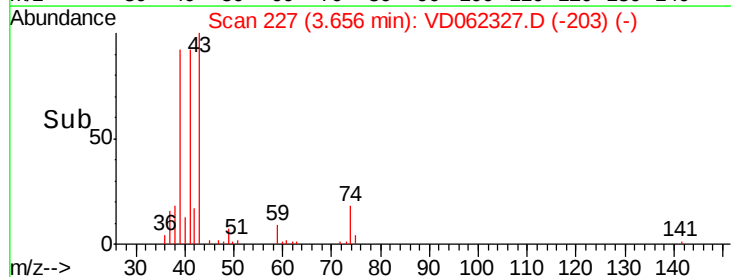
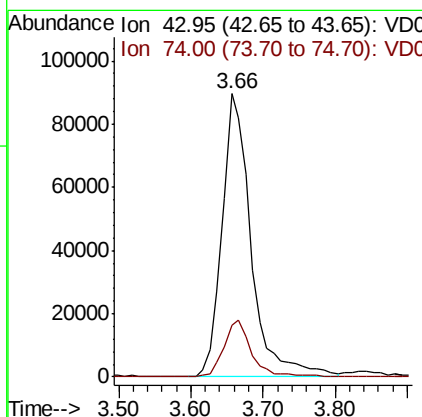
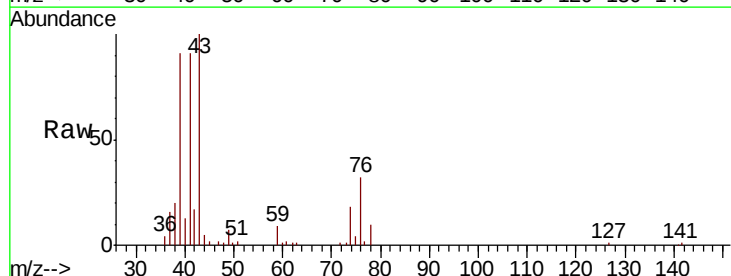
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

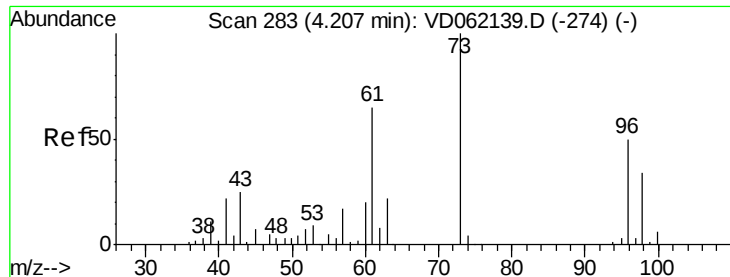
Tot Ion: 76 Resp: 670596
Ion Ratio Lower Upper
76 100
78 9.7 7.2 10.8



#18
Methyl Acetate
Concen: 129.594 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.04 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion: 43 Resp: 251049
Ion Ratio Lower Upper
43 100
74 18.2 18.0 27.0

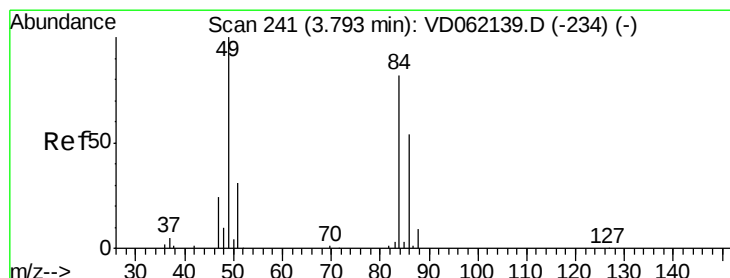
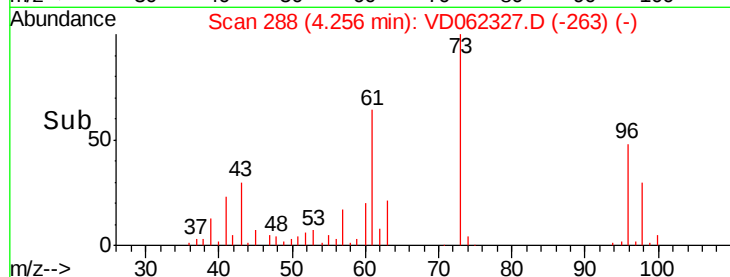
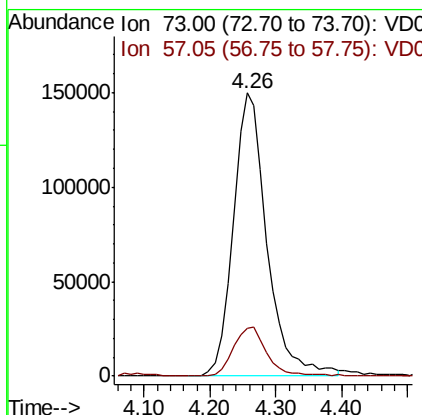
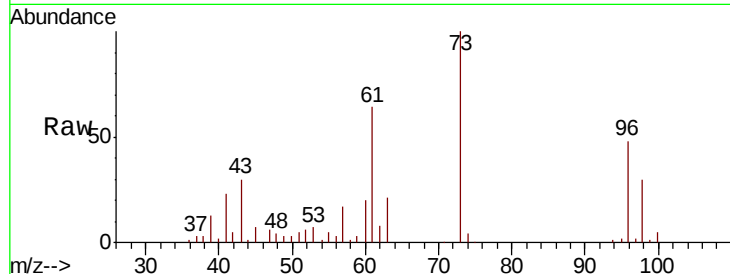




#19
Methyl tert-butyl Ether
Concen: 58.666 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

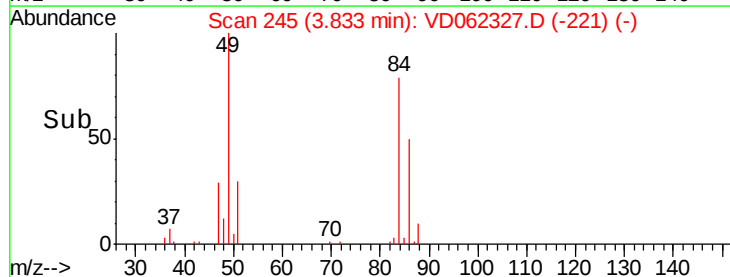
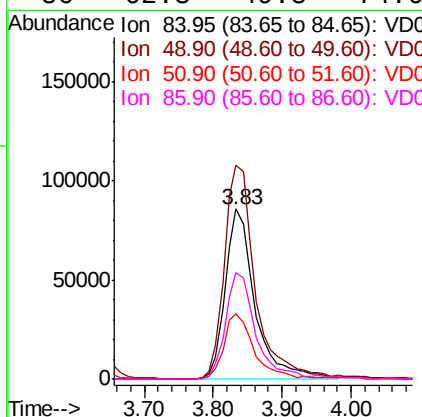
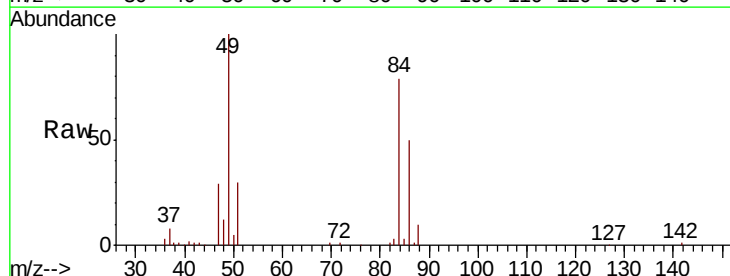
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

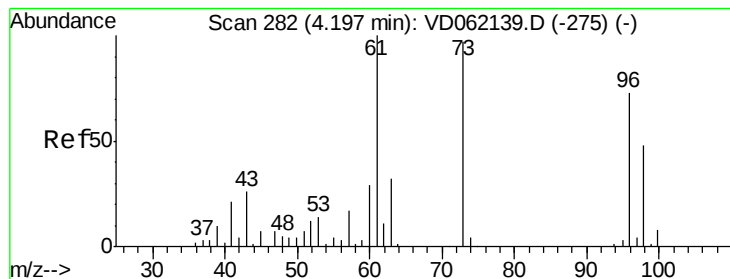
Tot Ion: 73 Resp: 534878
Ion Ratio Lower Upper
73 100
57 16.8 16.3 24.5



#20
Methylene Chloride
Concen: 56.617 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion: 84 Resp: 257012
Ion Ratio Lower Upper
84 100
49 125.8 94.0 141.0
51 38.1 29.0 43.4
86 62.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 61.754 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

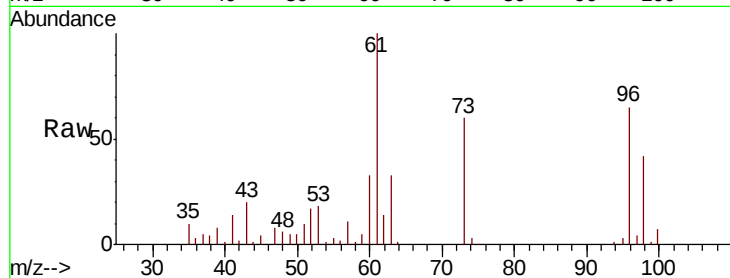
Tot Ion: 96 Resp: 292300

Ion Ratio Lower Upper

96 100

61 153.0 104.4 156.6

98 64.4 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

200000

150000

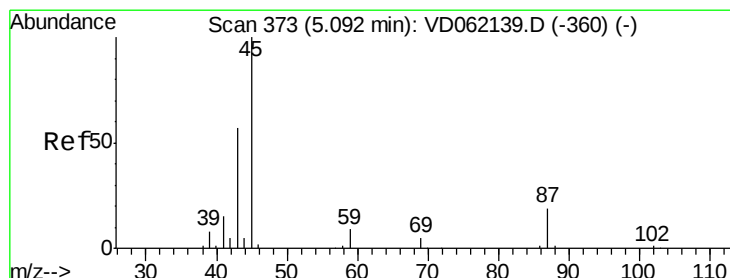
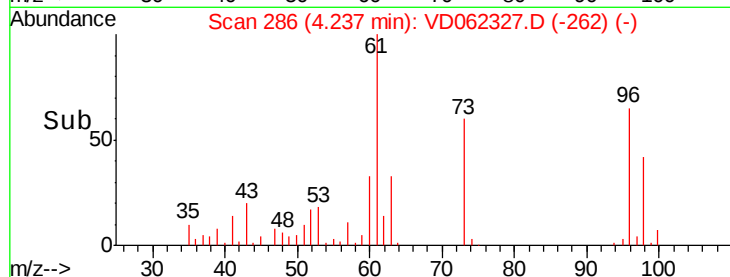
100000

50000

0

4.10 4.20 4.30 4.40

Time-->



#22

Diisopropyl ether

Concen: 58.240 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Tgt Ion: 45 Resp: 766504

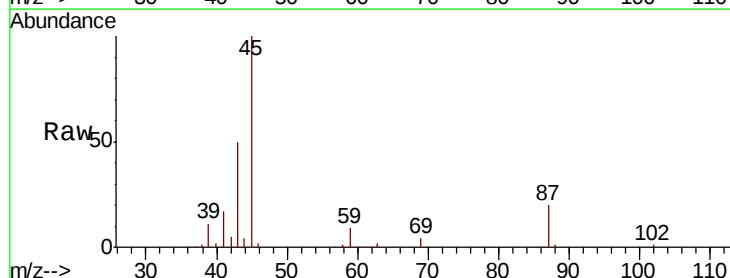
Ion Ratio Lower Upper

45 100

43 49.8 46.2 69.2

87 20.2 15.9 23.9

59 9.0 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

300000

250000

200000

150000

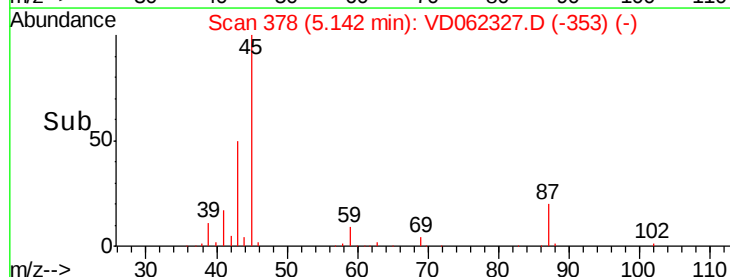
100000

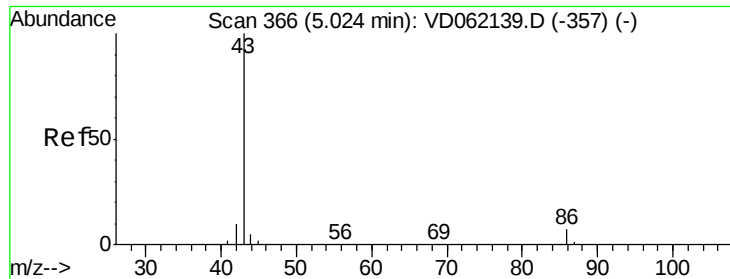
50000

0

5.00 5.10 5.20 5.30

Time-->

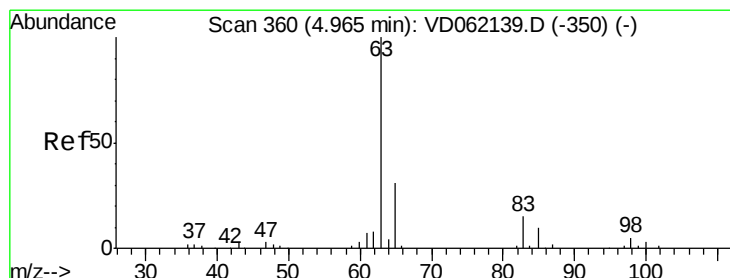
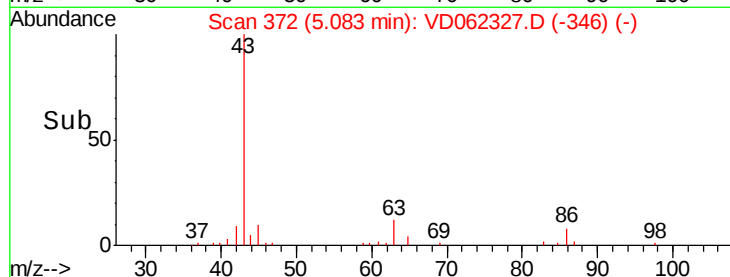
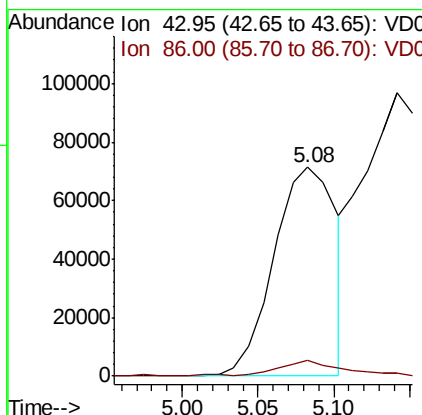
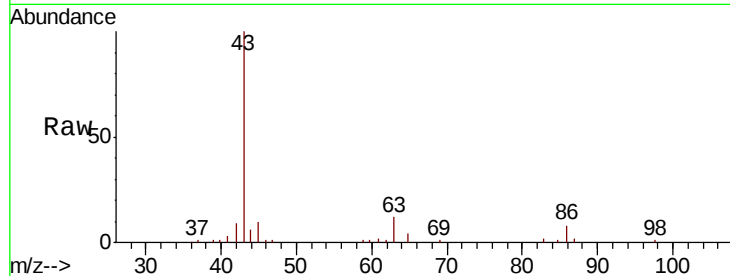




#23
 Vinyl Acetate
 Concen: 29.451 ug/l
 RT: 5.08 min Scan# 372
 Delta R.T. 0.06 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

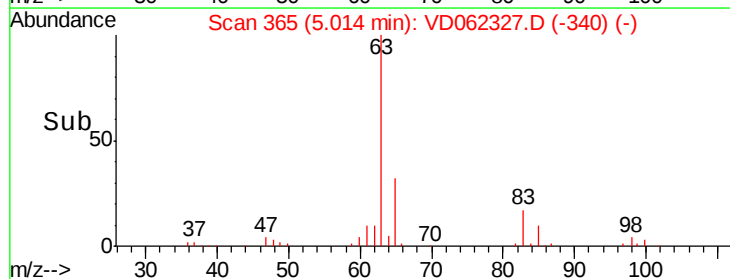
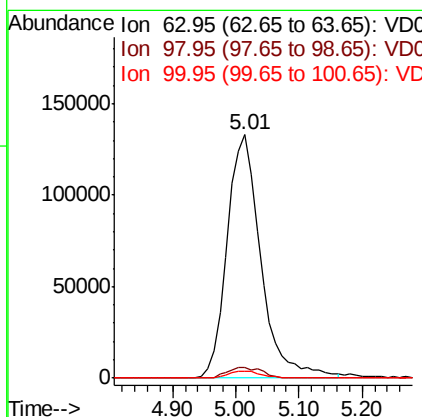
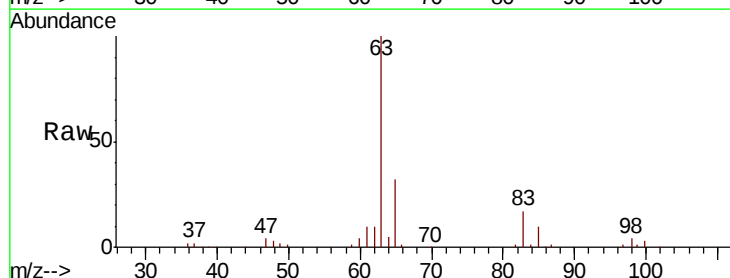
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

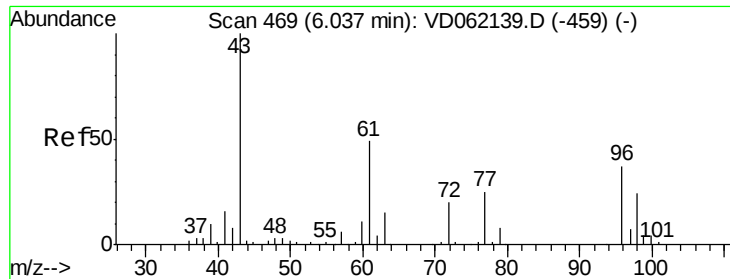
Tot Ion: 43 Resp: 204507
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 62.037 ug/l
 RT: 5.01 min Scan# 365
 Delta R.T. 0.05 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion: 63 Resp: 492549
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.8 8.4
 100 3.0 1.8 5.5





#25

2-Butanone

Concen: 186.669 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

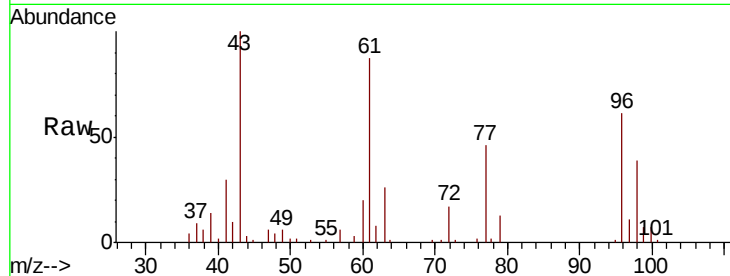
P026-SS015-1824-01MS

Tot Ion: 43 Resp: 221367

Ion Ratio Lower Upper

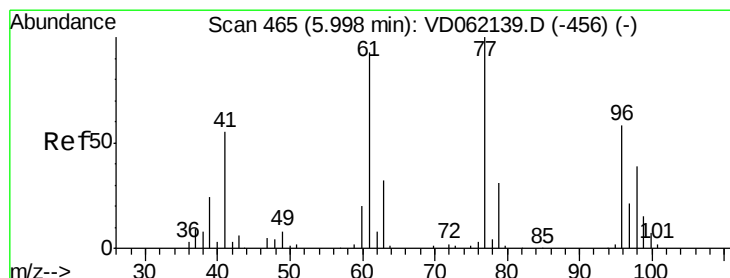
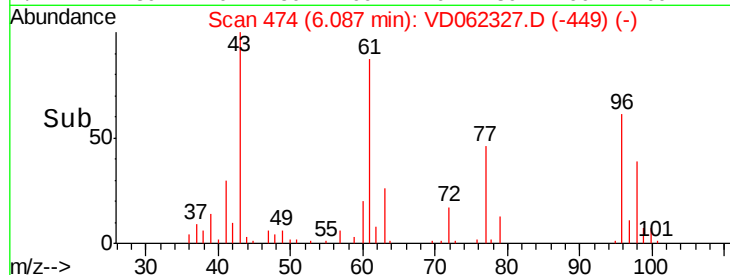
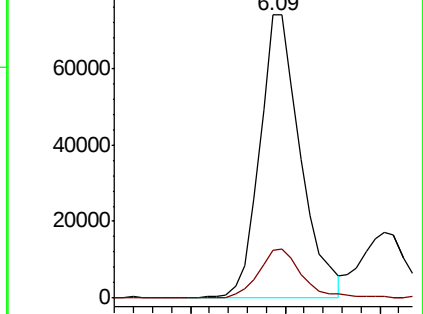
43 100

72 17.1 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 59.155 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.05 min

Lab File: VD062327.D

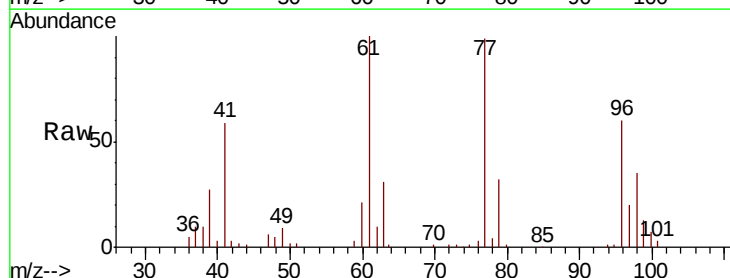
Acq: 14 May 2019 2:58

Tgt Ion: 77 Resp: 467842

Ion Ratio Lower Upper

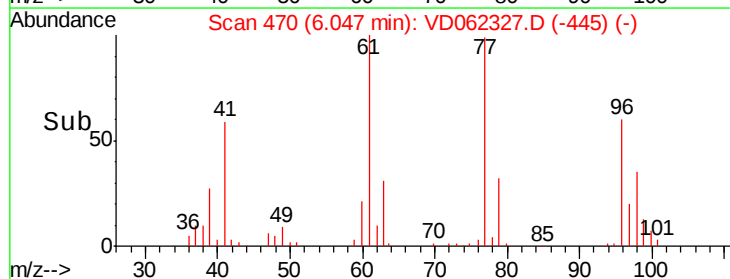
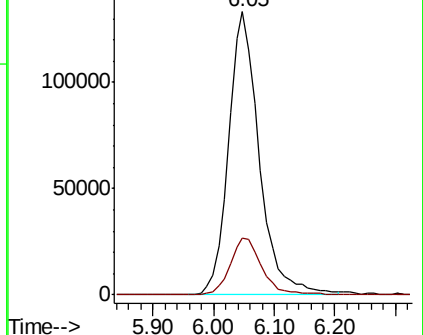
77 100

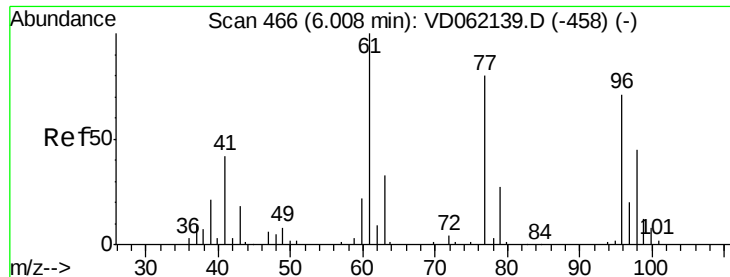
97 20.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



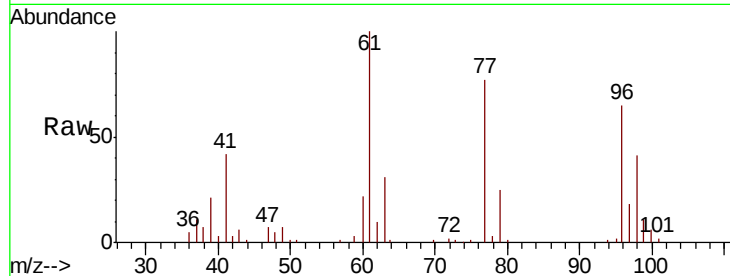


#27

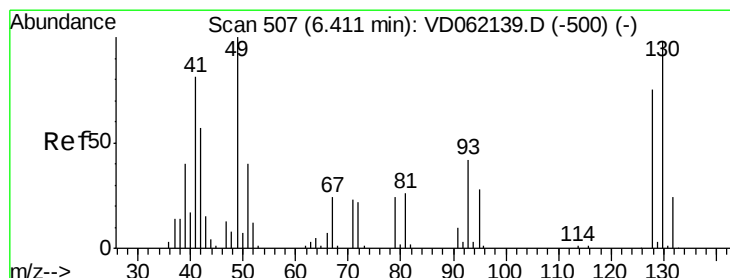
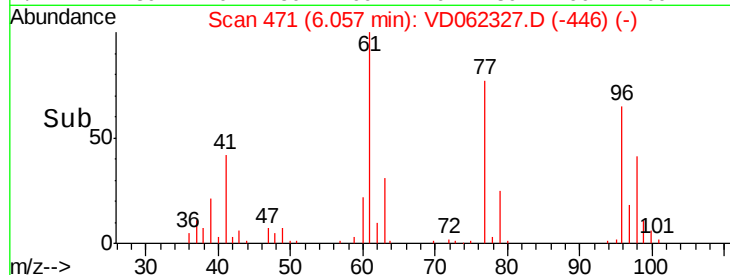
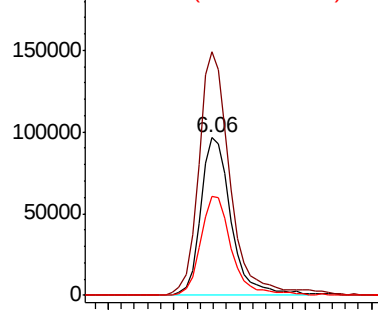
cis-1,2-Dichloroethene
Concen: 59.181 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion: 96 Resp: 313546
Ion Ratio Lower Upper
96 100
61 154.4 0.0 279.8
98 62.9 0.0 136.0



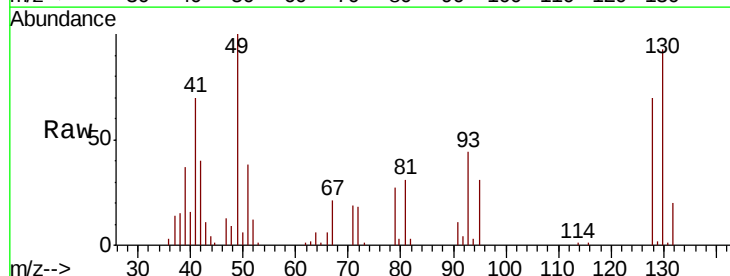
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



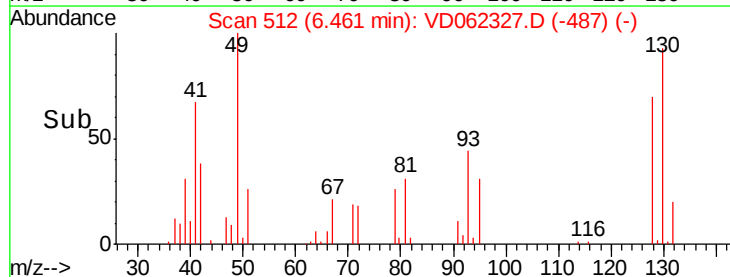
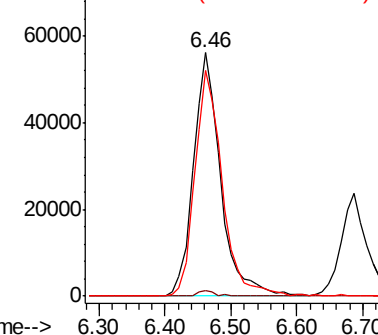
#28

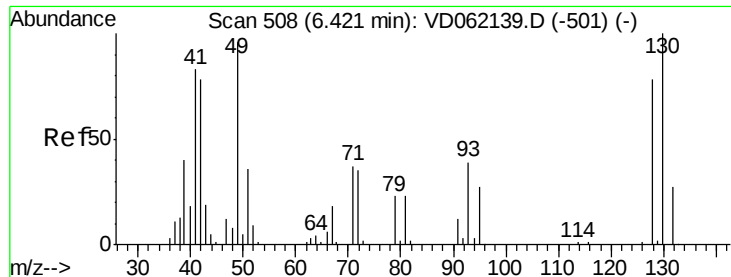
Bromochloromethane
Concen: 51.854 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion: 49 Resp: 161975
Ion Ratio Lower Upper
49 100
129 2.1 0.0 6.6
130 92.8 86.7 130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

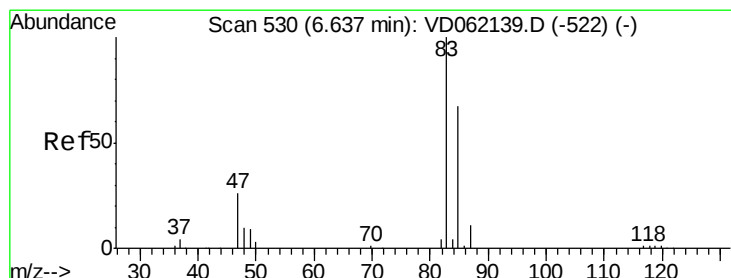
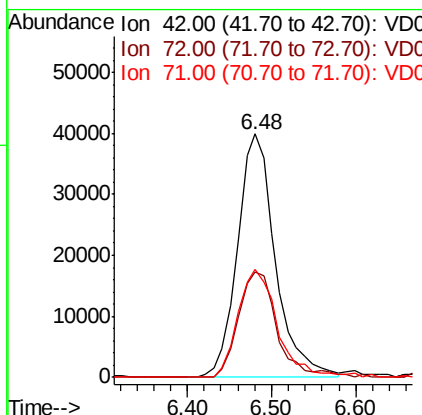
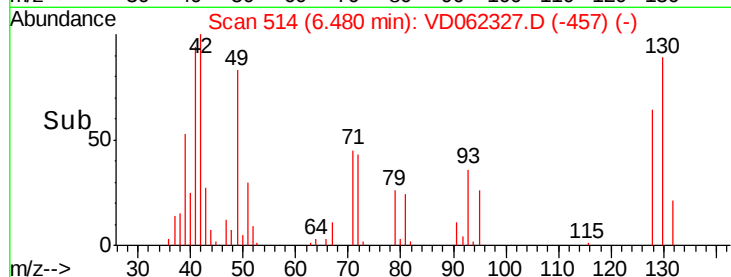
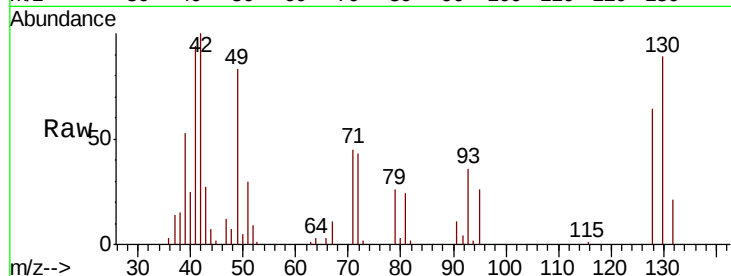




#29
Tetrahydrofuran
Concen: 229.614 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.06 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

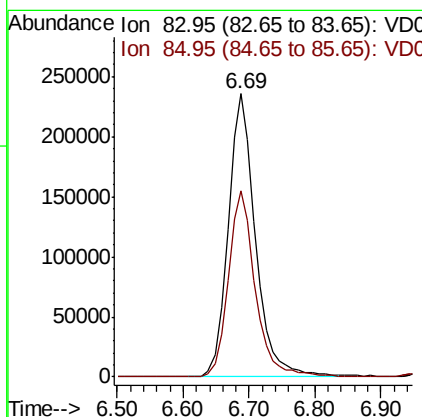
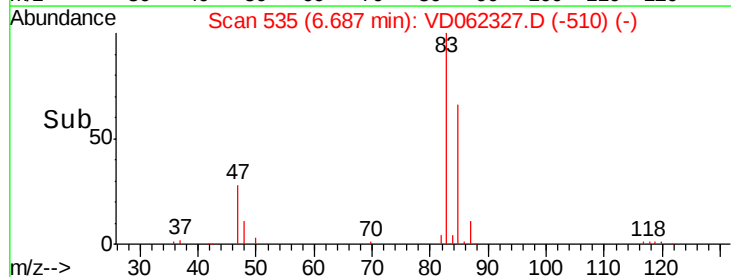
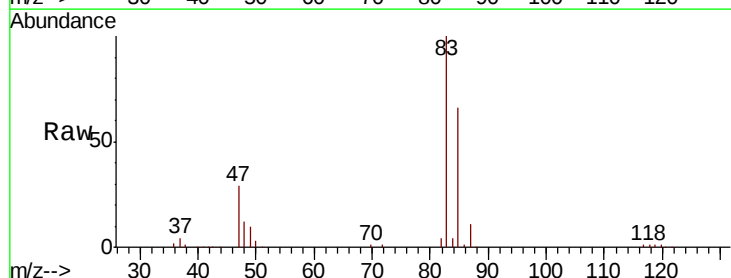
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

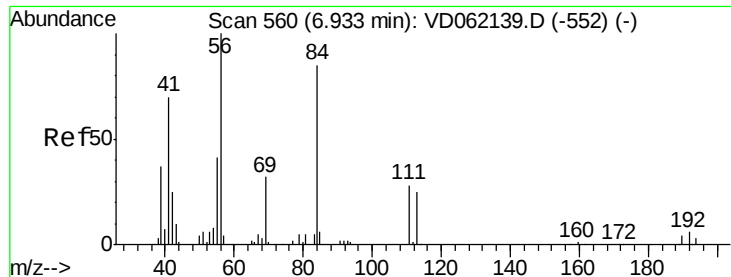
Tot Ion: 42 Resp: 125462
Ion Ratio Lower Upper
42 100
72 43.7 37.8 56.6
71 46.5 36.7 55.1



#30
Chloroform
Concen: 71.183 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion: 83 Resp: 681118
Ion Ratio Lower Upper
83 100
85 65.6 51.7 77.5

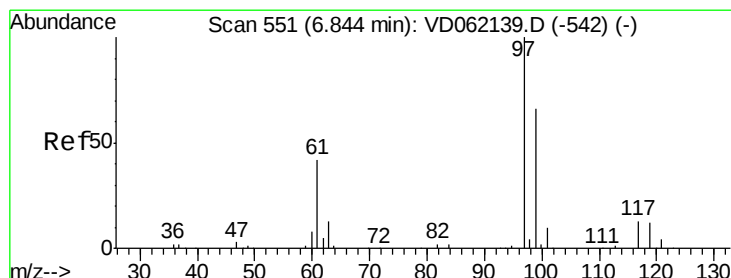
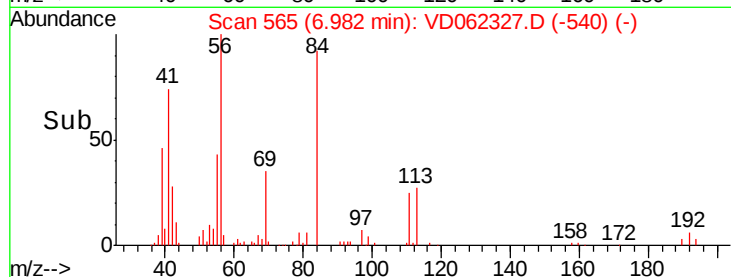
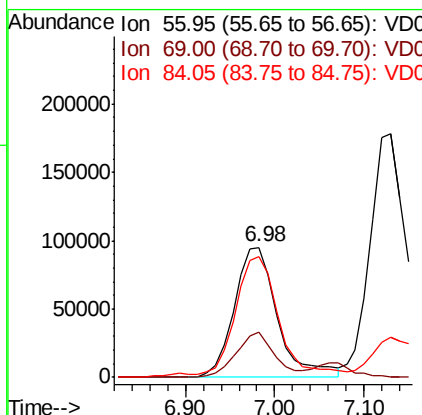
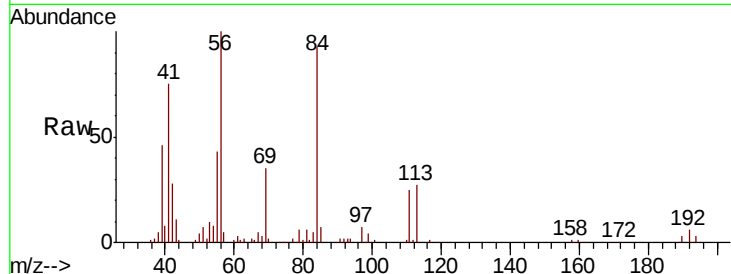




#31
Cyclohexane
Concen: 58.714 ug/l
RT: 6.98 min Scan# 565
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

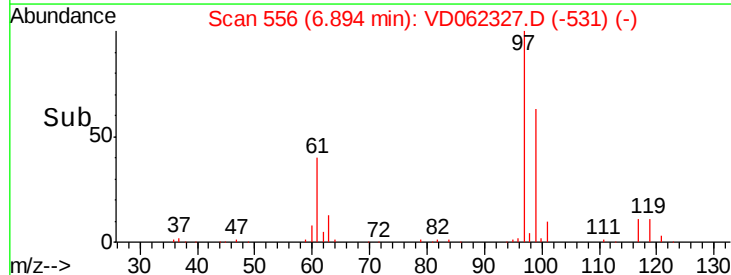
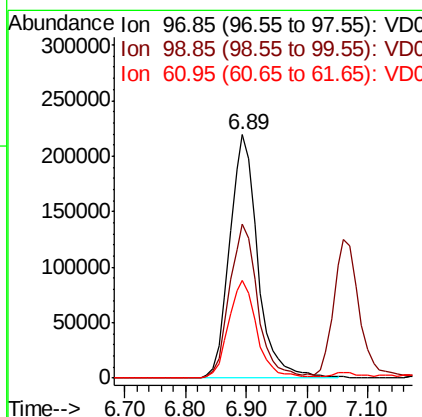
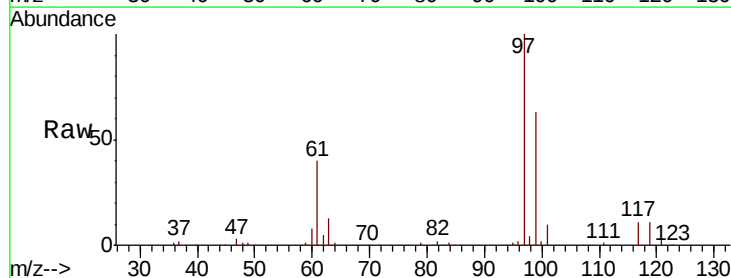
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

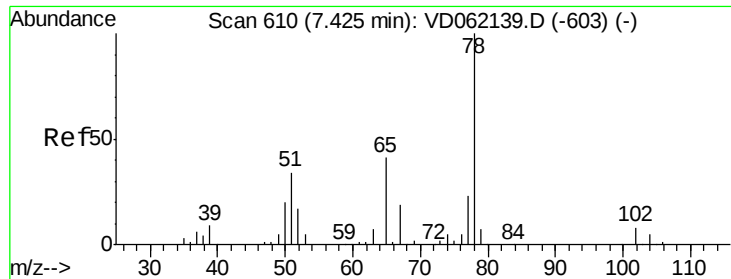
Tot Ion: 56 Resp: 319369
Ion Ratio Lower Upper
56 100
69 34.5 25.8 38.6
84 93.3 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 77.948 ug/l
RT: 6.89 min Scan# 556
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion: 97 Resp: 704968
Ion Ratio Lower Upper
97 100
99 63.4 52.2 78.2
61 40.2 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 59.389 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

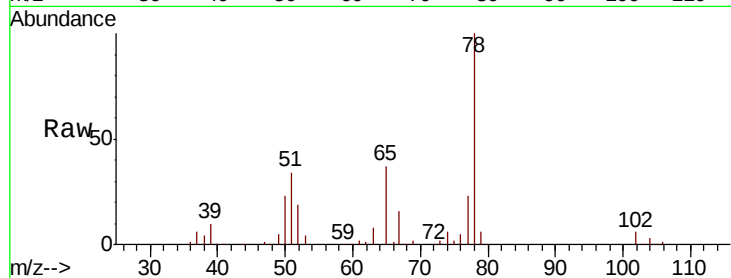
P026-SS015-1824-01MS

Tot Ion: 65 Resp: 307893

Ion Ratio Lower Upper

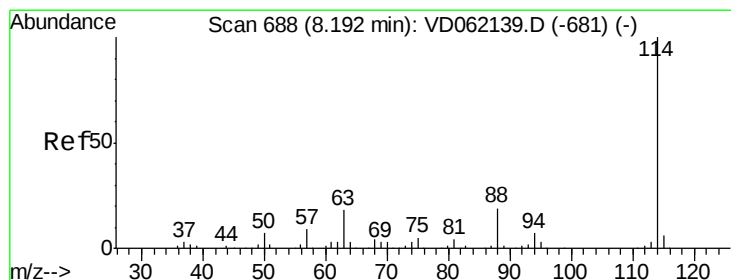
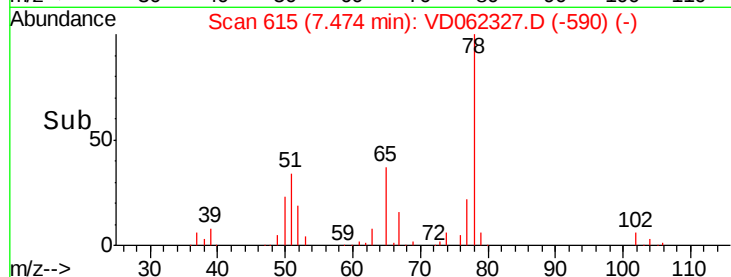
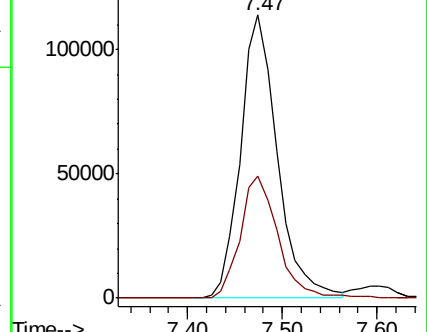
65 100

67 43.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

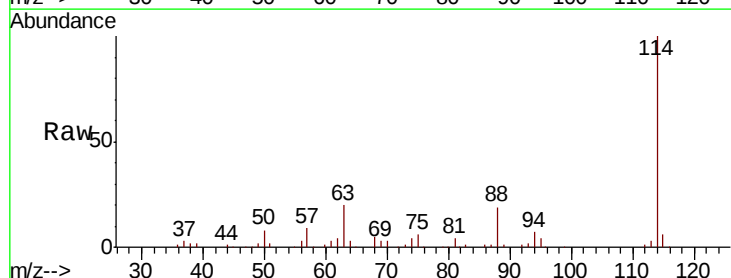
Tgt Ion: 114 Resp: 824905

Ion Ratio Lower Upper

114 100

63 19.9 0.0 32.4

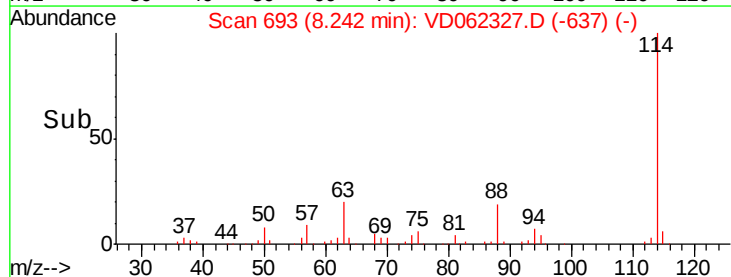
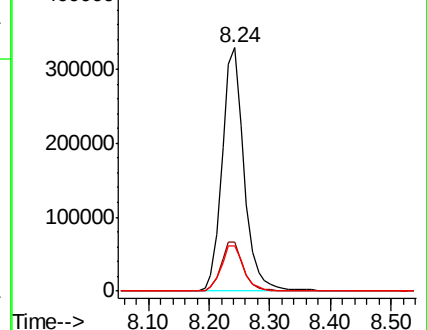
88 18.6 0.0 33.6

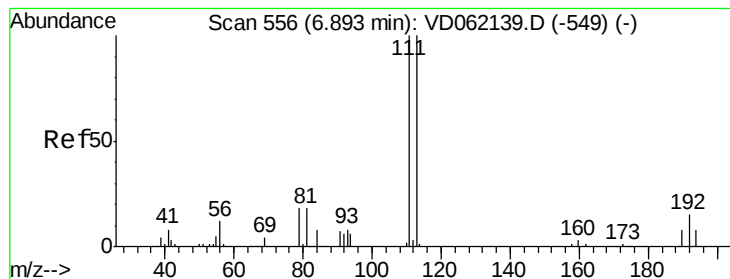


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 55.333 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

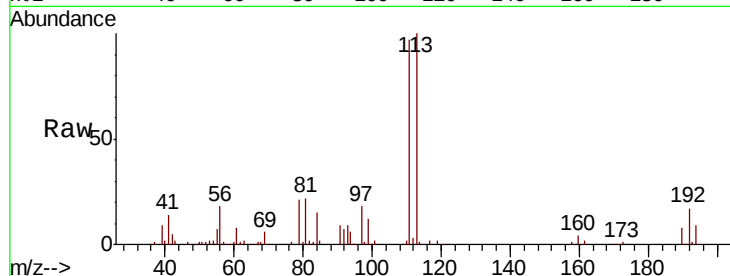
Tot Ion:113 Resp: 378718

Ion Ratio Lower Upper

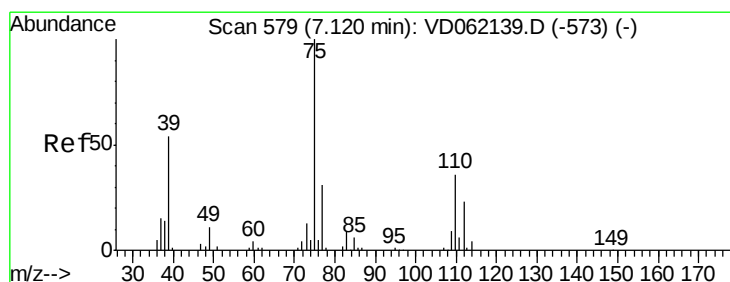
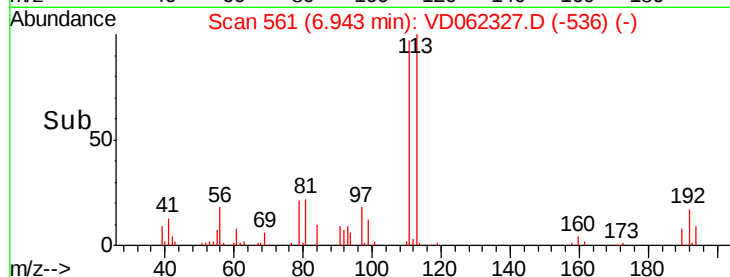
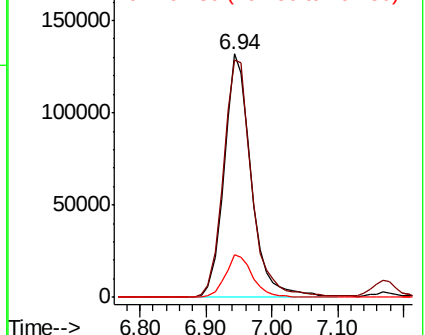
113 100

111 97.2 78.5 117.7

192 17.3 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 62.492 ug/l

RT: 7.17 min Scan# 584

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

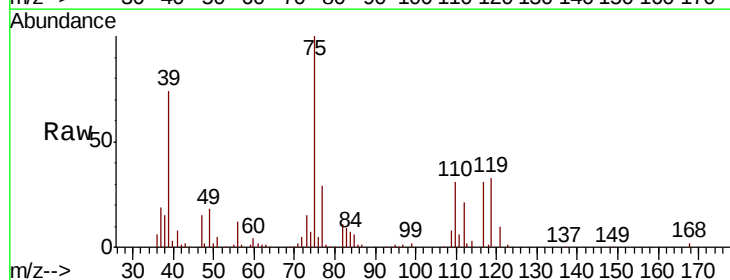
Tgt Ion: 75 Resp: 422661

Ion Ratio Lower Upper

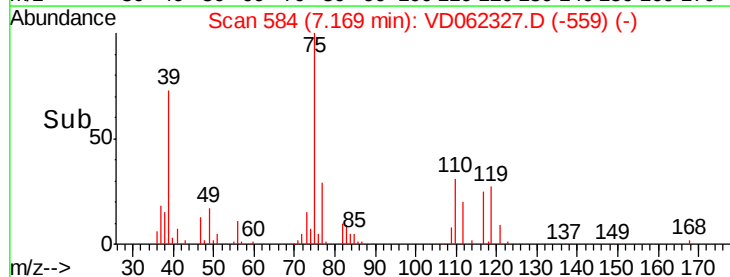
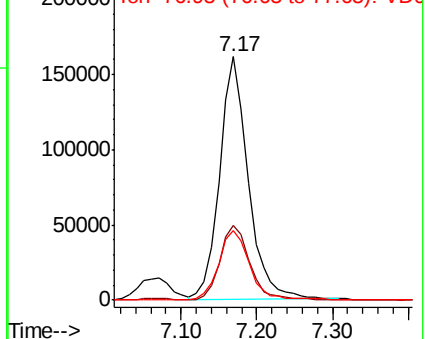
75 100

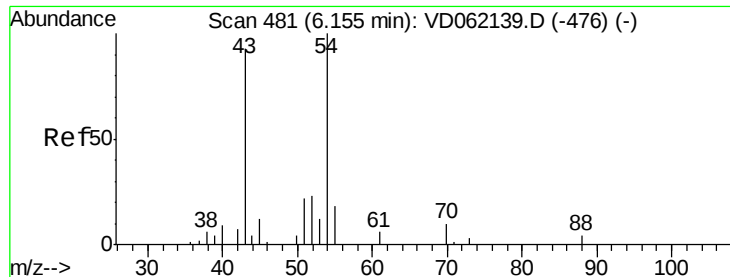
110 30.8 19.1 57.1

77 28.8 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 21.481 ug/l

RT: 6.20 min Scan# 486

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

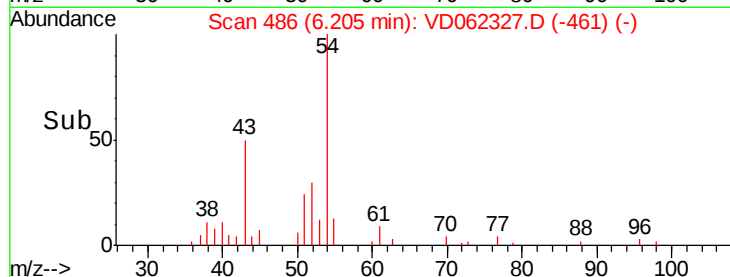
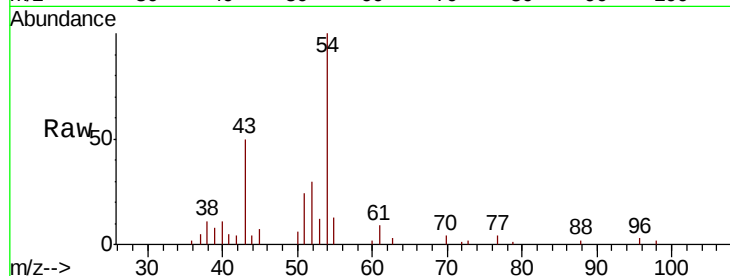
Tot Ion: 43 Resp: 61615

Ion Ratio Lower Upper

43 100

61 17.9 14.7 22.1

70 7.4 7.8 11.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

200000

150000

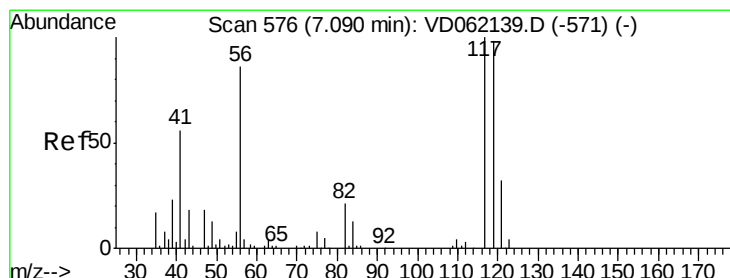
100000

50000

0

6.10 6.20 6.30 6.40

Time-->



#38

Carbon Tetrachloride

Concen: 76.922 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

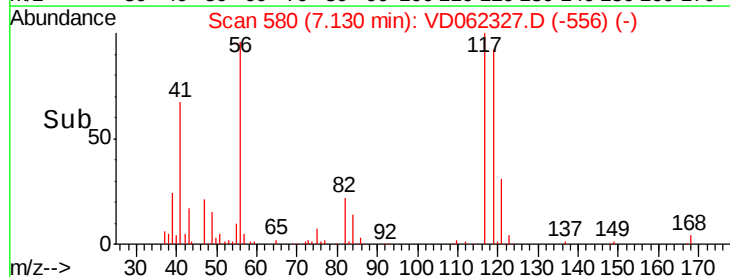
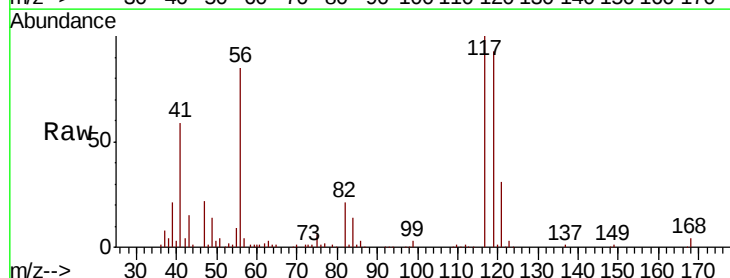
Tgt Ion: 117 Resp: 720086

Ion Ratio Lower Upper

117 100

119 92.7 75.8 113.8

121 31.0 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

250000

200000

150000

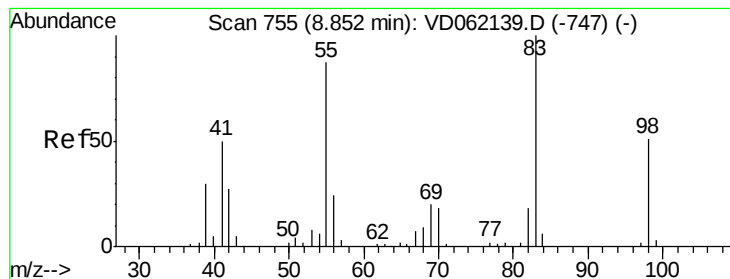
100000

50000

0

7.00 7.20 7.40

Time-->



#39

Methvlcvclohexane

Concen: 52.056 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

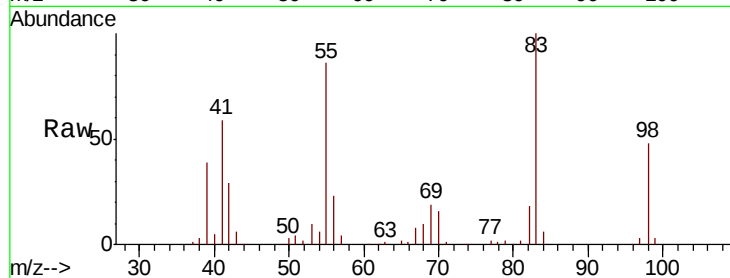
Tot Ion: 83 Resp: 337334

Ion Ratio Lower Upper

83 100

55 86.0 68.2 102.4

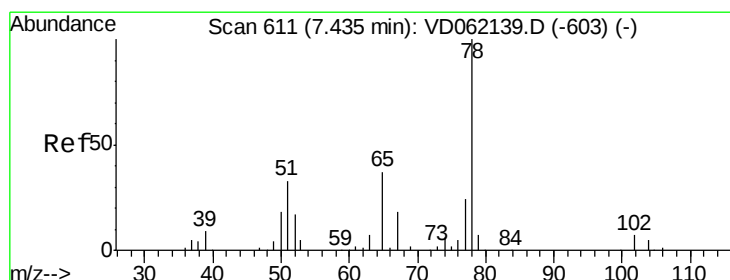
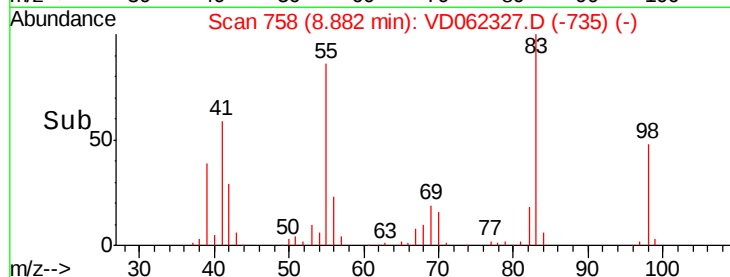
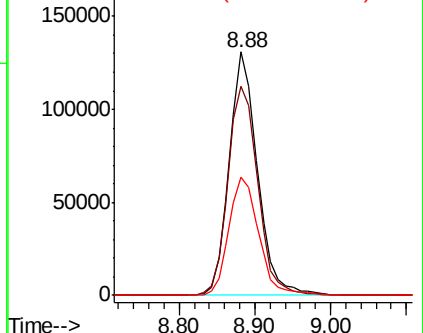
98 48.3 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 56.728 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD062327.D

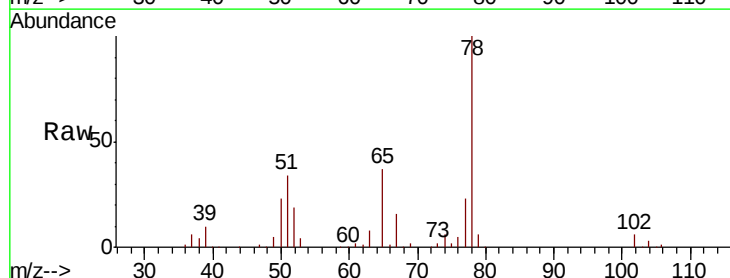
Acq: 14 May 2019 2:58

Tgt Ion: 78 Resp: 866385

Ion Ratio Lower Upper

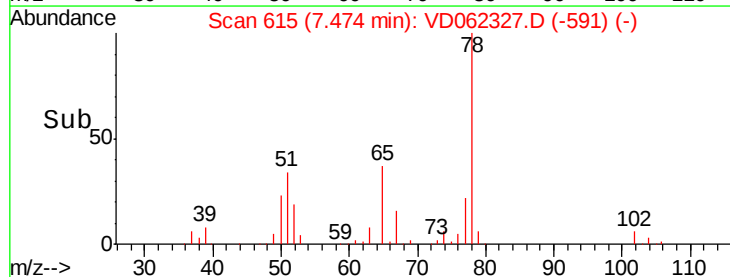
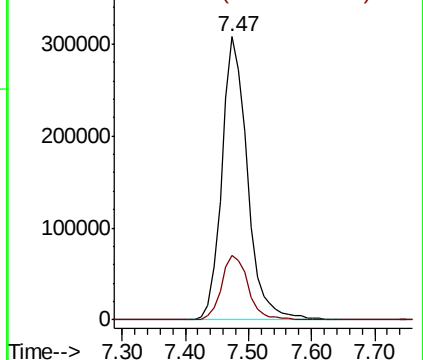
78 100

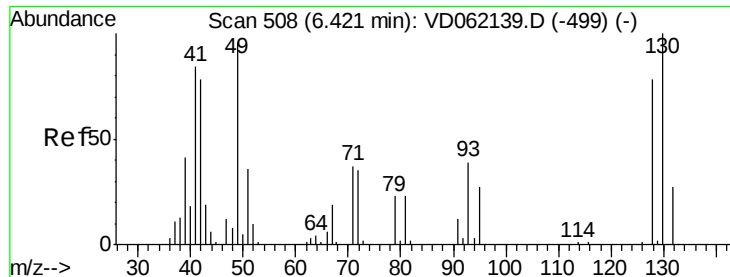
77 22.7 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

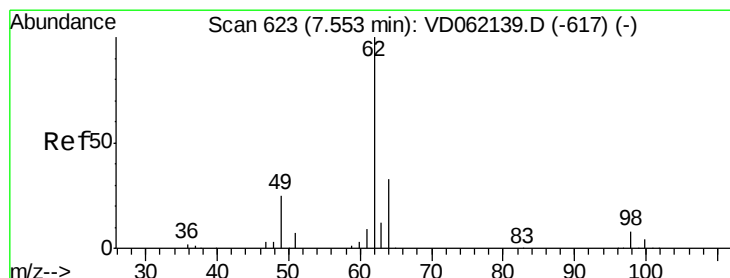
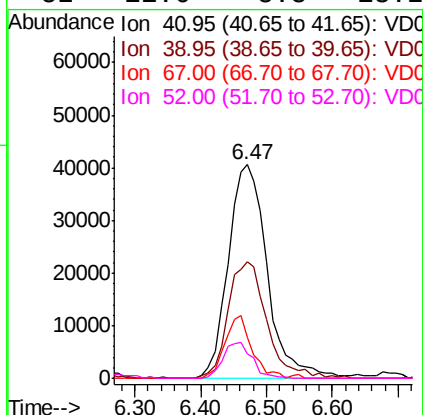
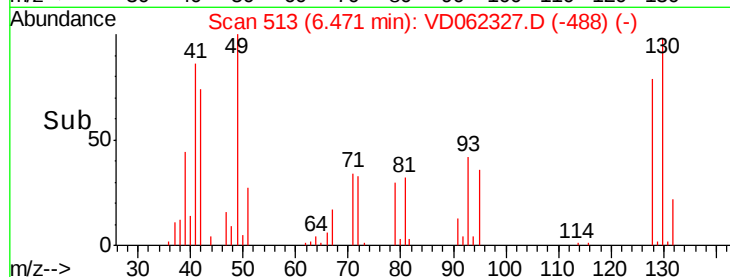
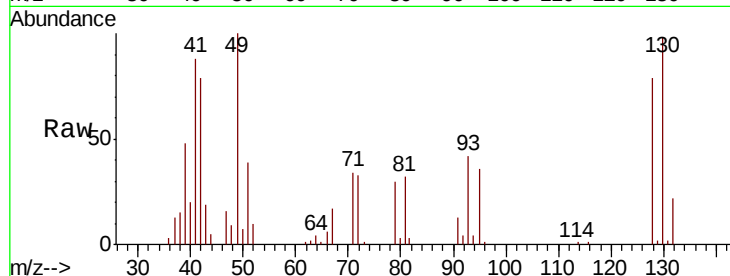




#41
Methacrylonitrile
Concen: 47.853 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

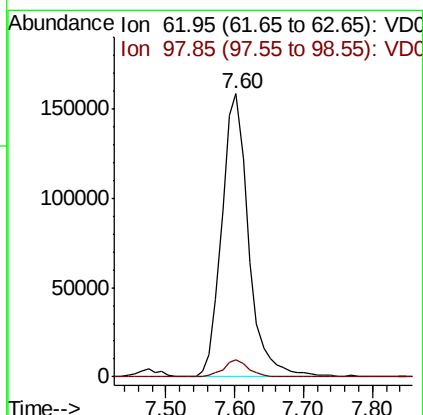
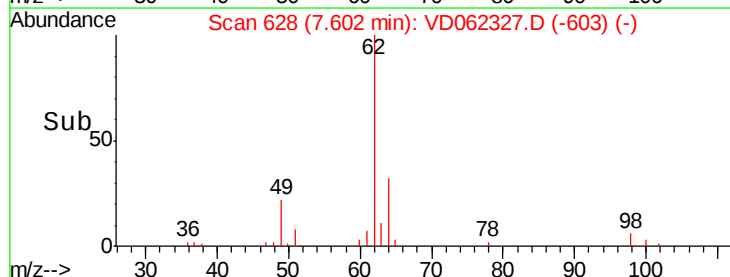
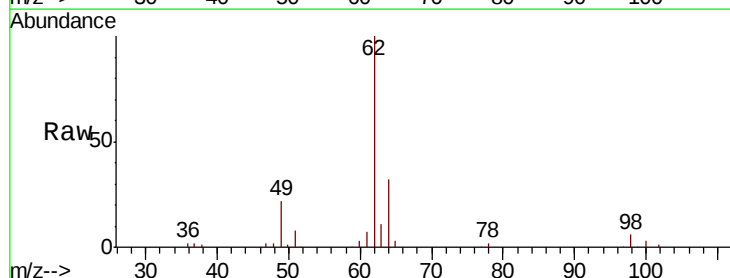
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

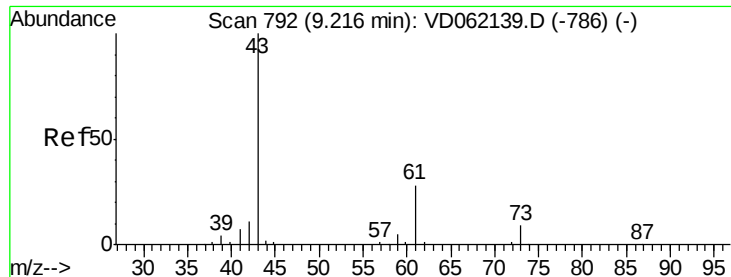
Tot Ion: 41 Resp: 167732
Ion Ratio Lower Upper
41 100
39 54.4 34.1 51.1#
67 19.4 23.8 35.6#
52 11.6 8.8 13.2



#42
1,2-Dichloroethane
Concen: 66.206 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion: 62 Resp: 428407
Ion Ratio Lower Upper
62 100
98 6.0 0.0 17.8





#43

Isopropyl Acetate

Concen: 18.091 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

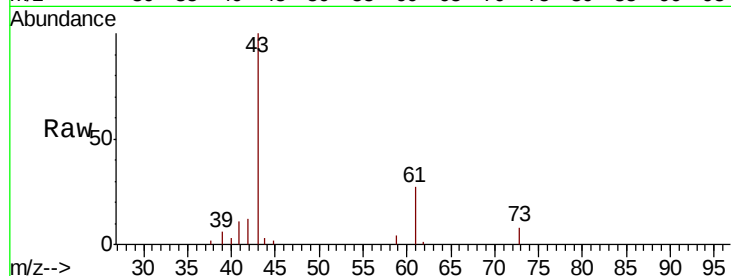
Tot Ion: 43 Resp: 73591

Ion Ratio Lower Upper

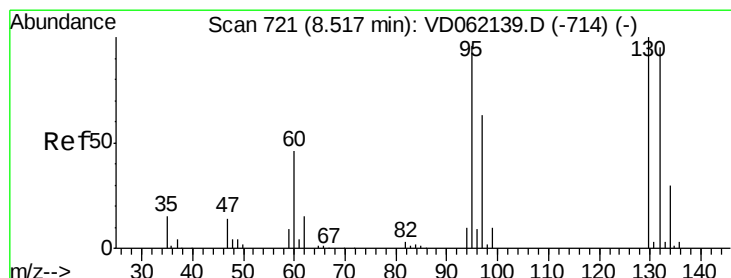
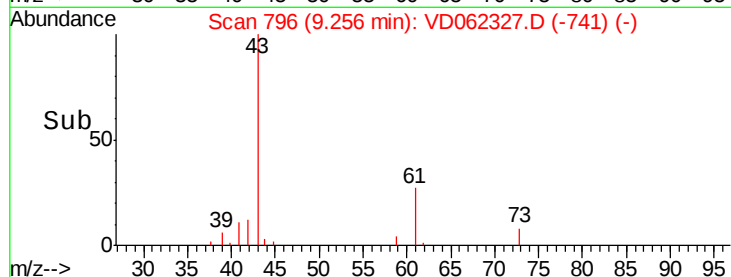
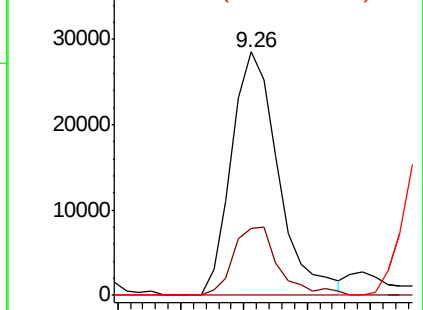
43 100

61 27.5 25.1 37.7

87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 53.824 ug/l

RT: 8.56 min Scan# 725

Delta R.T. 0.04 min

Lab File: VD062327.D

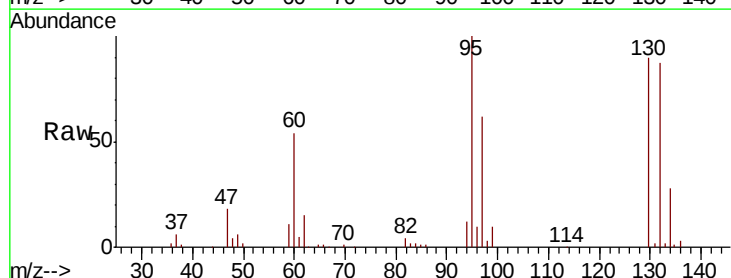
Acq: 14 May 2019 2:58

Tgt Ion:130 Resp: 313241

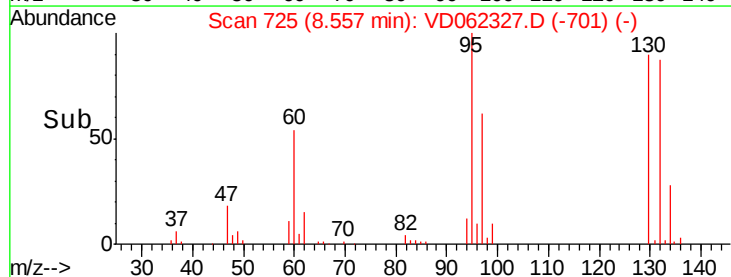
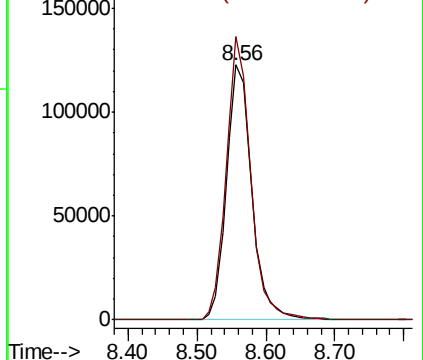
Ion Ratio Lower Upper

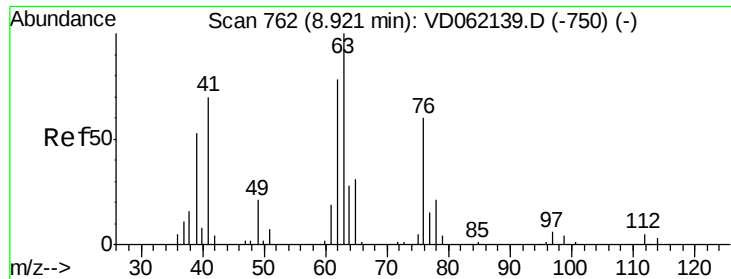
130 100

95 110.9 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 56.062 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

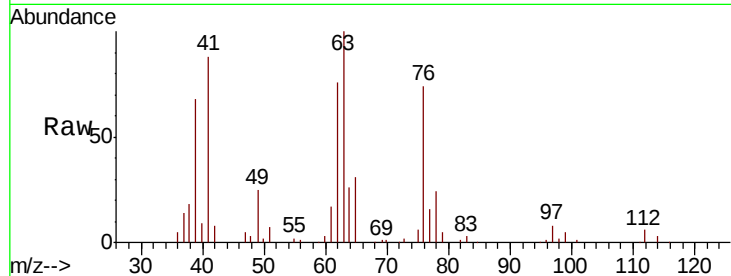
P026-SS015-1824-01MS

Tot Ion: 63 Resp: 211784

Ion Ratio Lower Upper

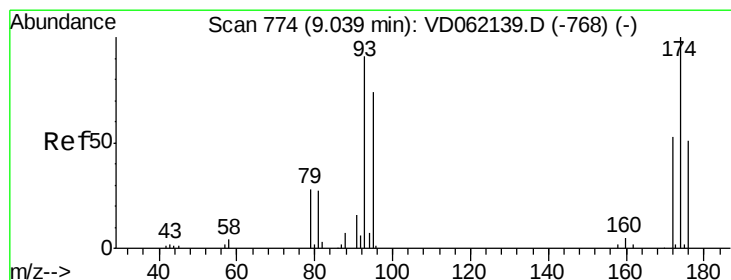
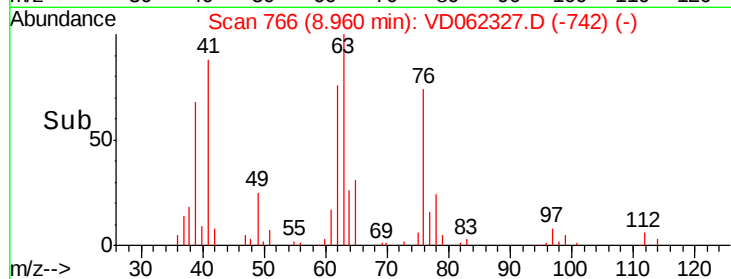
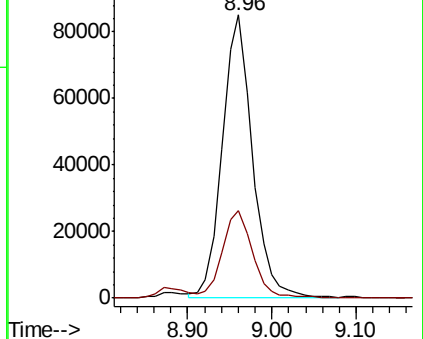
63 100

65 30.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 56.755 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

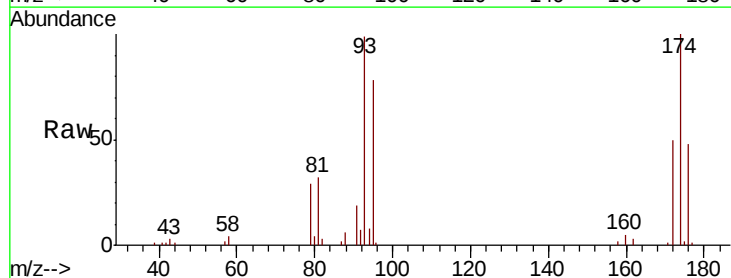
Tgt Ion: 93 Resp: 174351

Ion Ratio Lower Upper

93 100

95 78.0 64.8 97.2

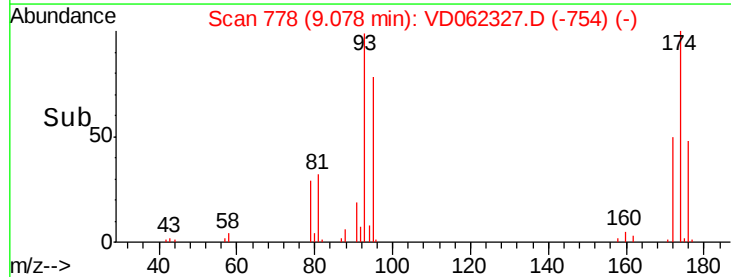
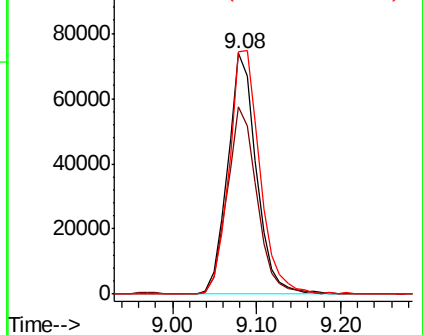
174 100.6 79.3 118.9

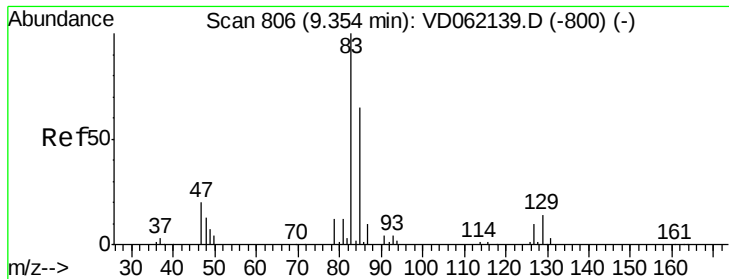


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 63.083 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

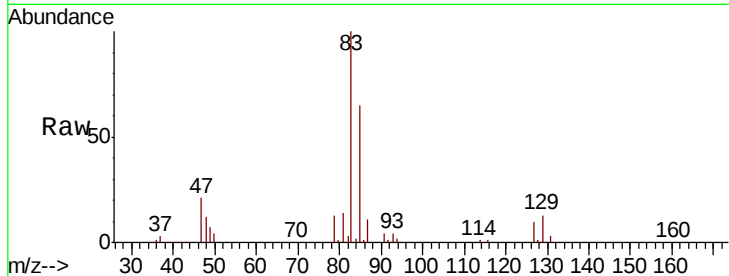
Tot Ion: 83 Resp: 474017

Ion Ratio Lower Upper

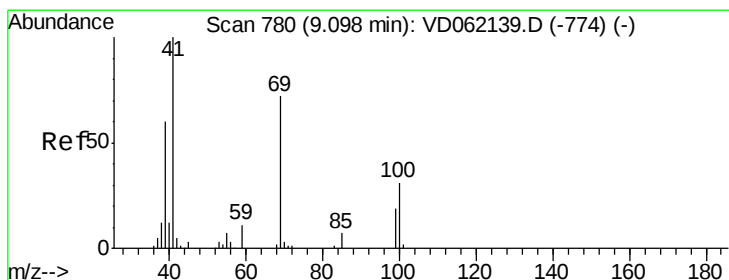
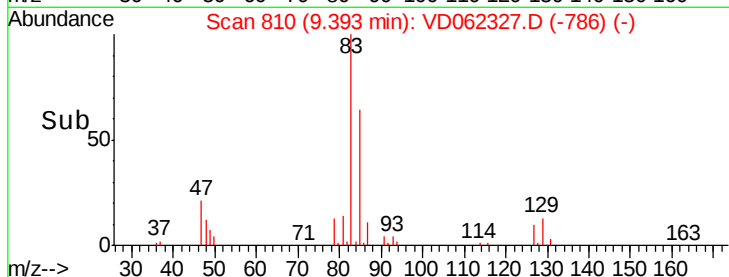
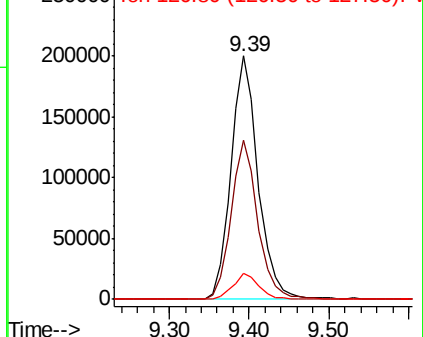
83 100

85 65.3 50.9 76.3

127 10.4 8.1 12.1



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 55.425 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

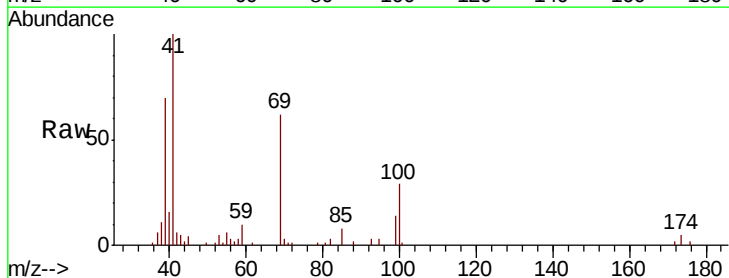
Tgt Ion: 41 Resp: 138874

Ion Ratio Lower Upper

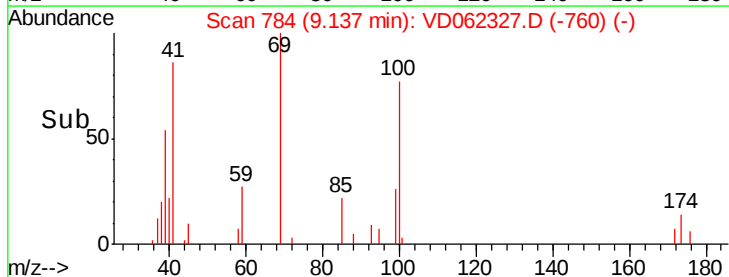
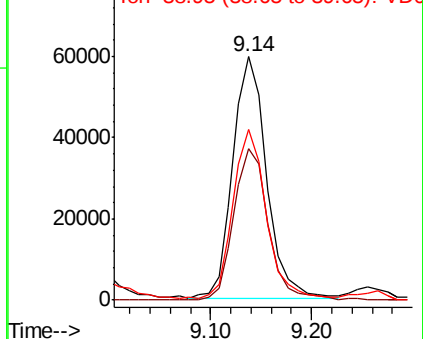
41 100

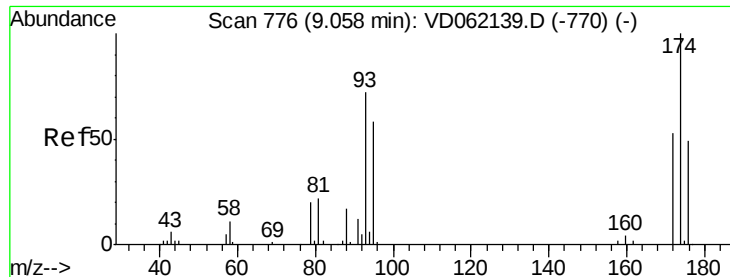
69 62.0 64.2 96.2#

39 70.0 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

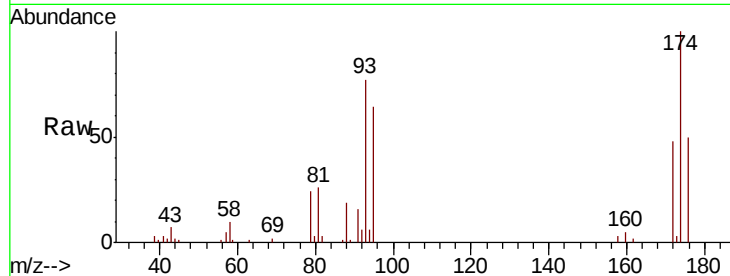




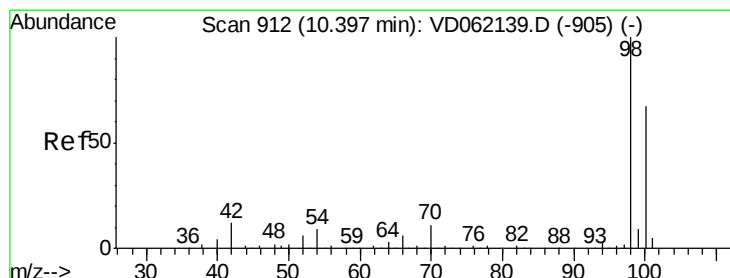
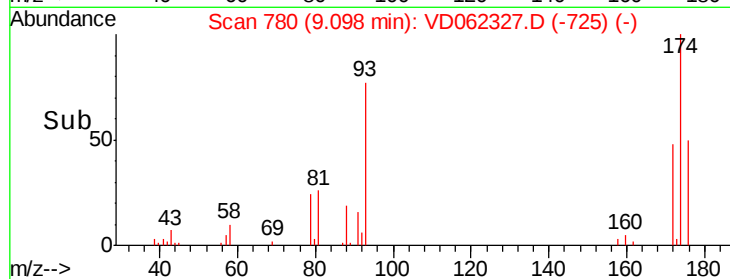
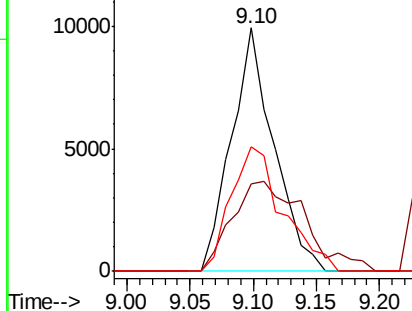
#49
1,4-Dioxane
Concen: 853.313 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.04 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion: 88 Resp: 23069
Ion Ratio Lower Upper
88 100
43 36.0 23.4 35.0#
58 51.0 44.0 66.0

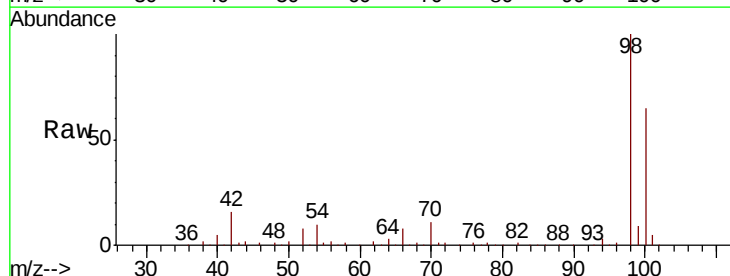


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

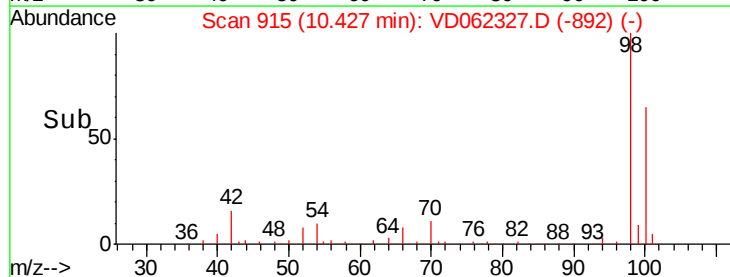
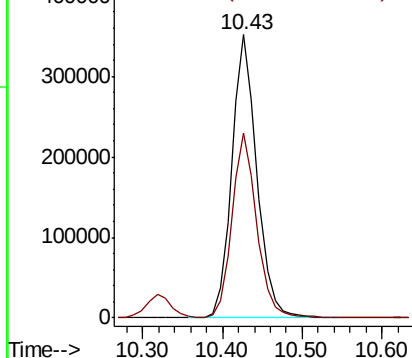


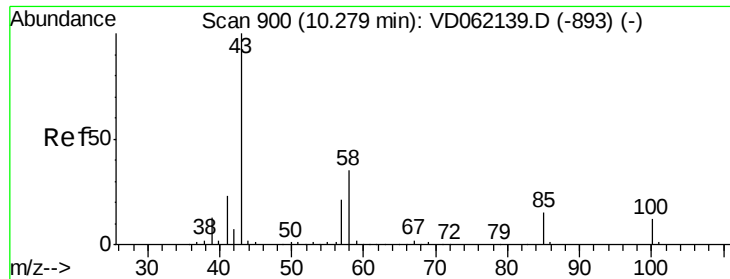
#50
Toluene-d8
Concen: 46.566 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion: 98 Resp: 768441
Ion Ratio Lower Upper
98 100
100 65.3 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 222.583 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

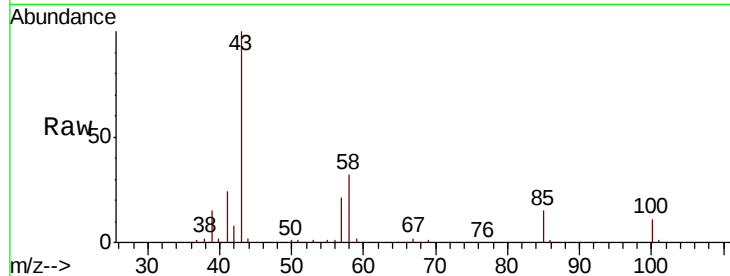
P026-SS015-1824-01MS

Tot Ion: 43 Resp: 582024

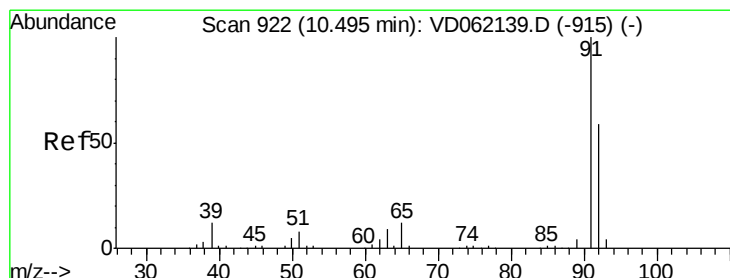
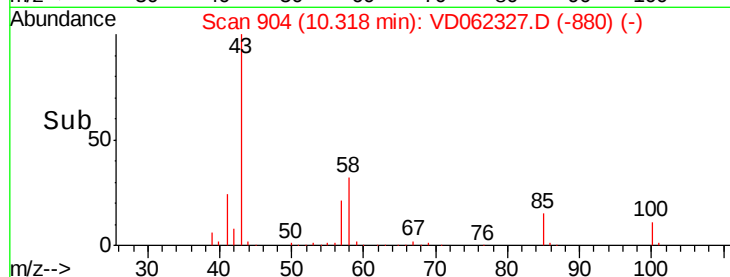
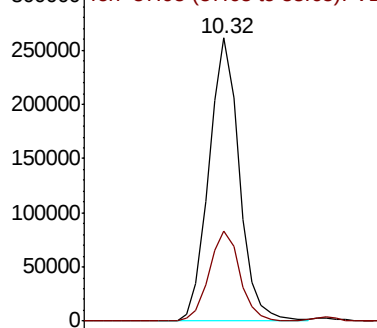
Ion Ratio Lower Upper

43 100

58 31.7 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 57.608 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062327.D

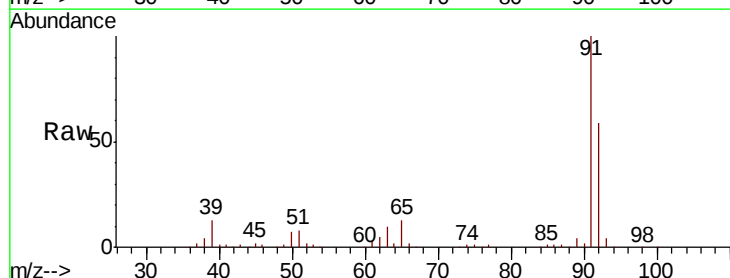
Acq: 14 May 2019 2:58

Tgt Ion: 92 Resp: 572449

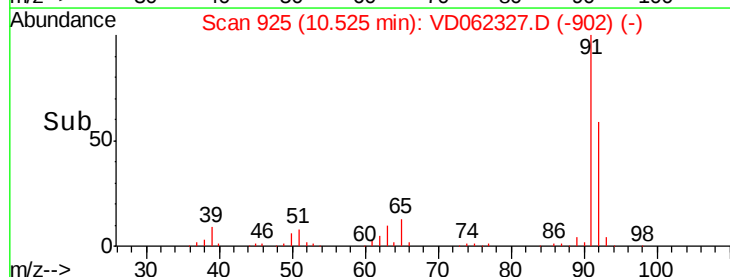
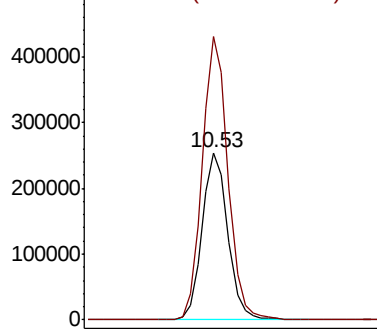
Ion Ratio Lower Upper

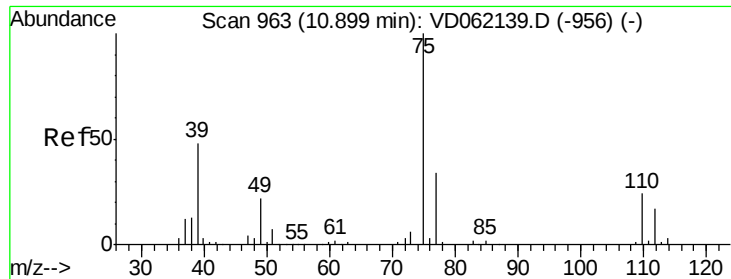
92 100

91 169.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

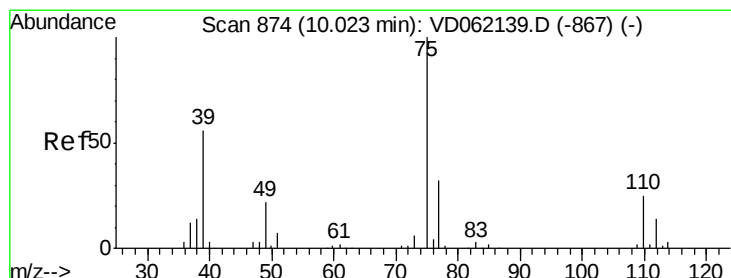
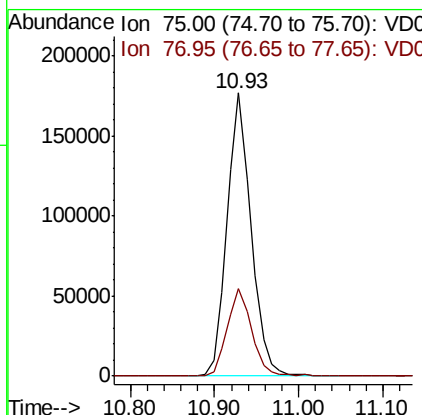
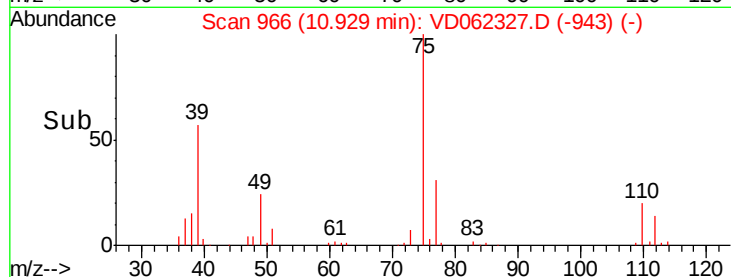
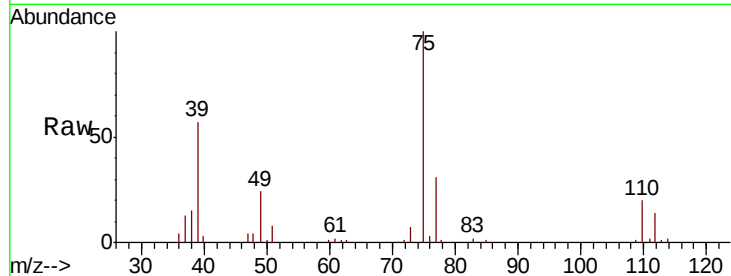




#53
 t-1,3-Dichloropropene
 Concen: 53.771 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

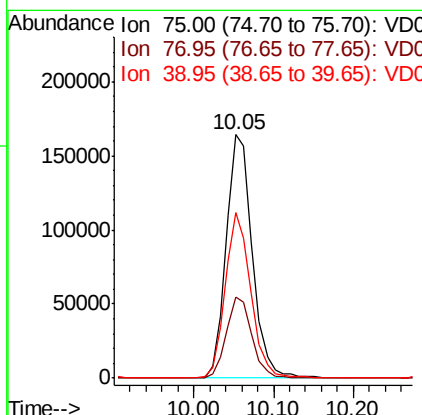
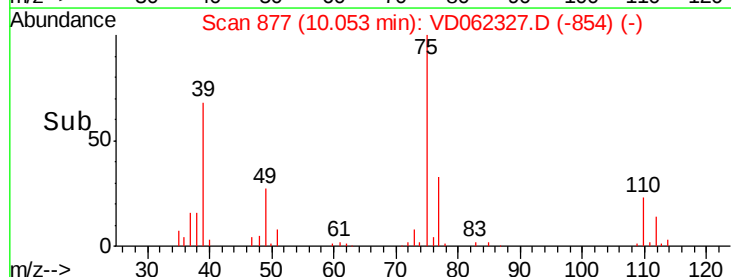
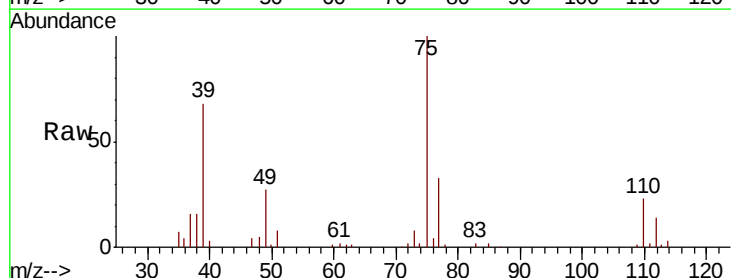
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

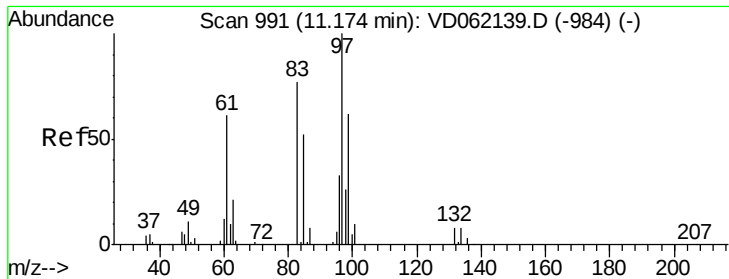
Tot Ion: 75 Resp: 349207
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 53.484 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.03 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion: 75 Resp: 378928
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.5 38.3
 39 68.0 39.4 59.2#

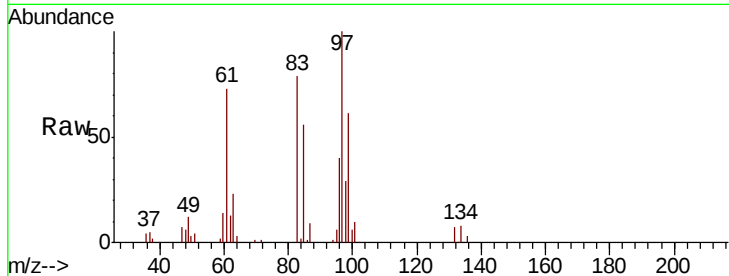




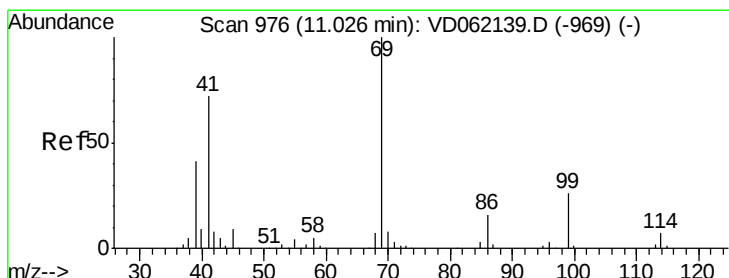
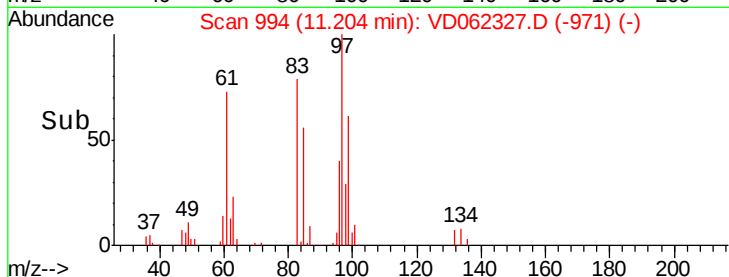
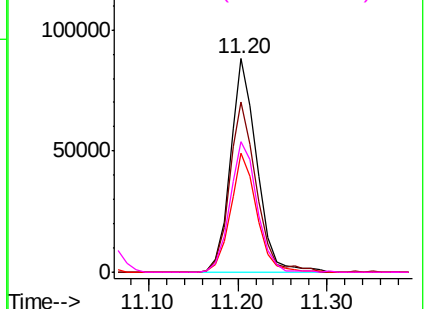
#55
 1,1,2-Trichloroethane
 Concen: 52.013 ug/l
 RT: 11.20 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Tot Ion:	97	Resp:	182876
Ion	Ratio	Lower	Upper
97	100		
83	79.5	65.7	98.5
85	56.0	45.6	68.4
99	61.3	48.4	72.6

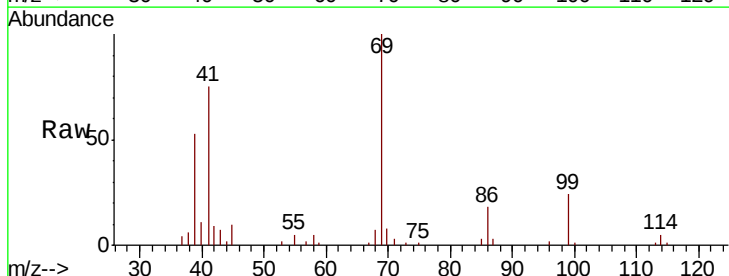


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

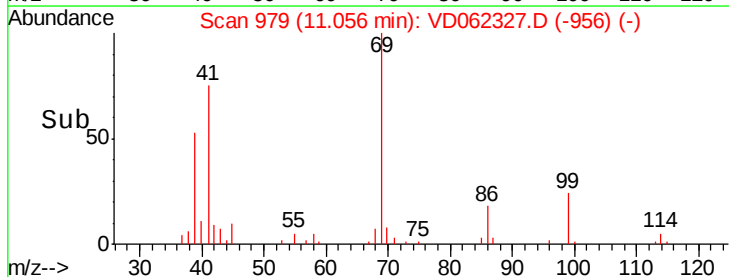
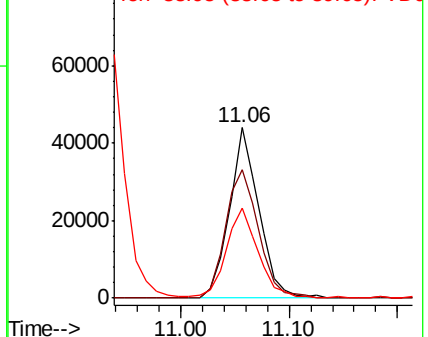


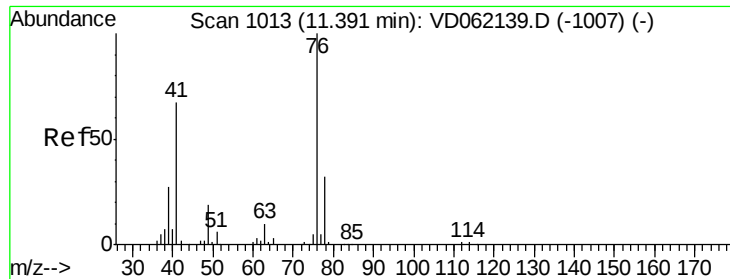
#56
 Ethyl methacrylate
 Concen: 22.683 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.03 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion:	69	Resp:	82875
Ion	Ratio	Lower	Upper
69	100		
41	75.5	56.3	84.5
39	53.0	29.4	44.2#



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 56.459 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.03 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

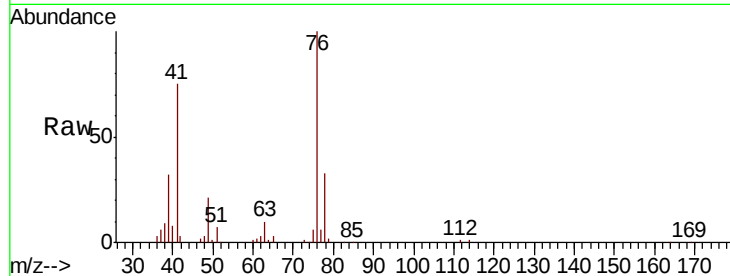
P026-SS015-1824-01MS

Tot Ion: 76 Resp: 299896

Ion Ratio Lower Upper

76 100

78 32.9 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.42

150000

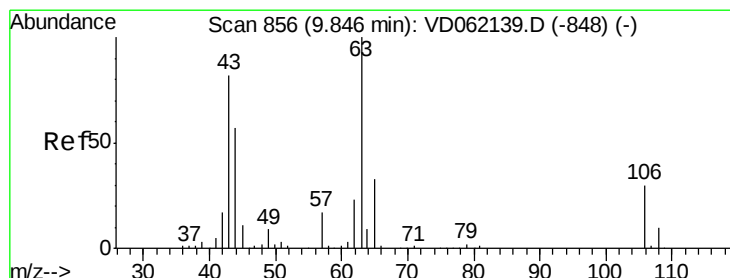
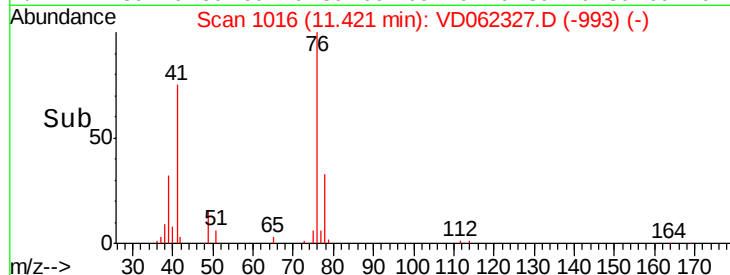
100000

50000

0

Time-->

11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 183.777 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.03 min

Lab File: VD062327.D

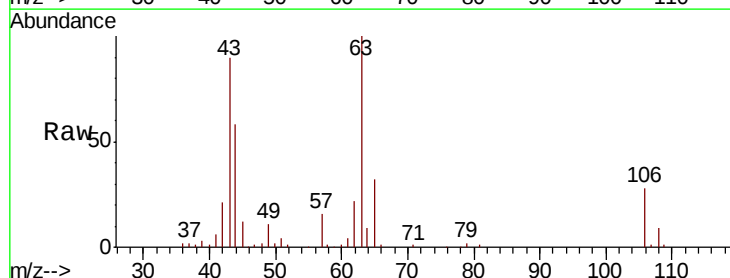
Acq: 14 May 2019 2:58

Tgt Ion: 63 Resp: 366767

Ion Ratio Lower Upper

63 100

106 27.5 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

9.88

200000

150000

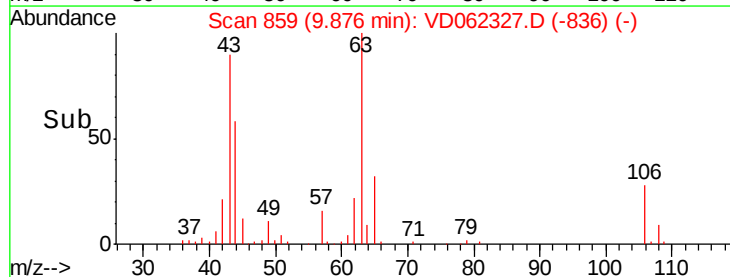
100000

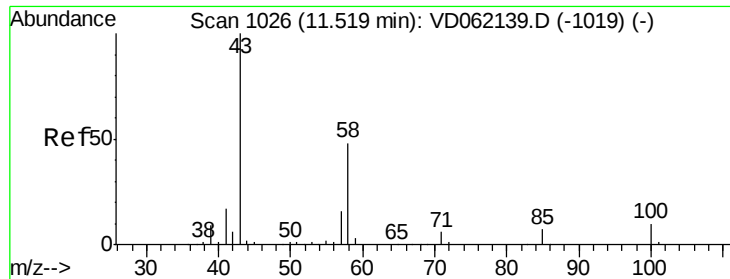
50000

0

Time-->

9.80 9.90 10.00

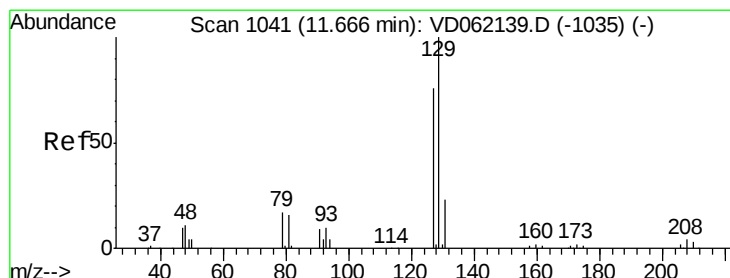
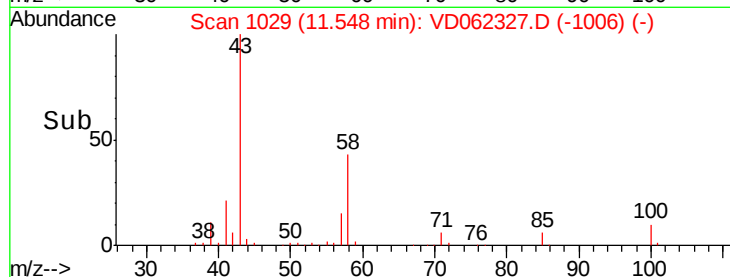
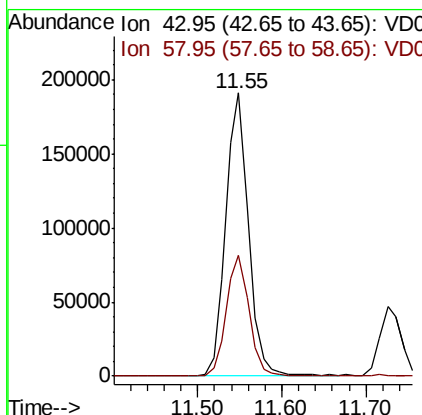
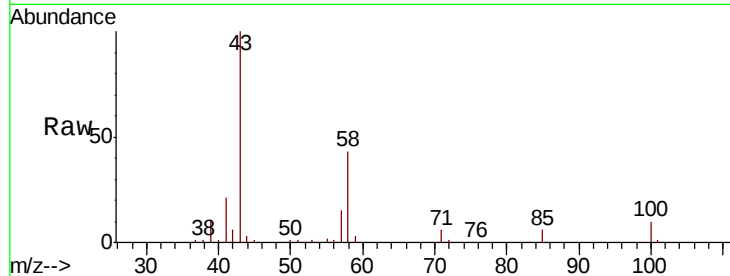




#59
2-Hexanone
Concen: 185.517 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

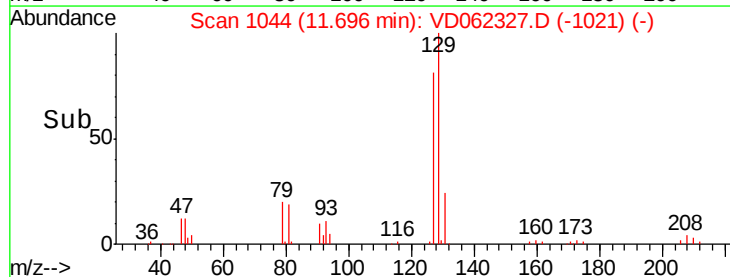
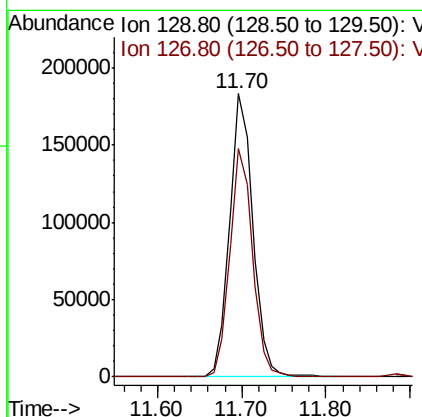
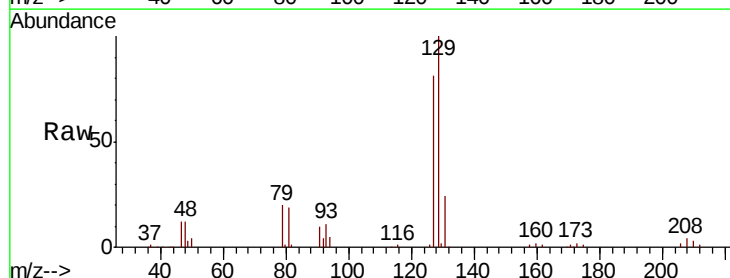
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

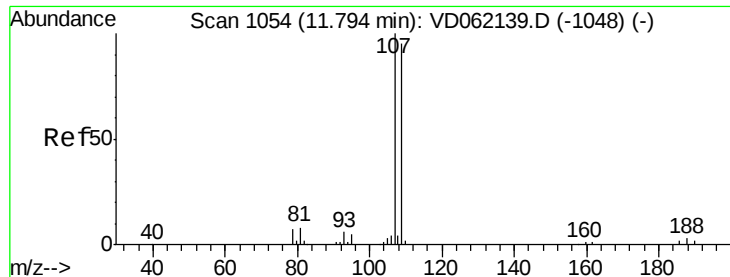
Tot Ion: 43 Resp: 357538
Ion Ratio Lower Upper
43 100
58 42.7 25.4 76.4



#60
Dibromochloromethane
Concen: 58.114 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion: 129 Resp: 353119
Ion Ratio Lower Upper
129 100
127 80.7 38.0 113.9





#61

1,2-Dibromoethane

Concen: 52.498 ug/l

RT: 11.82 min Scan# 1057

Delta R.T. 0.03 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

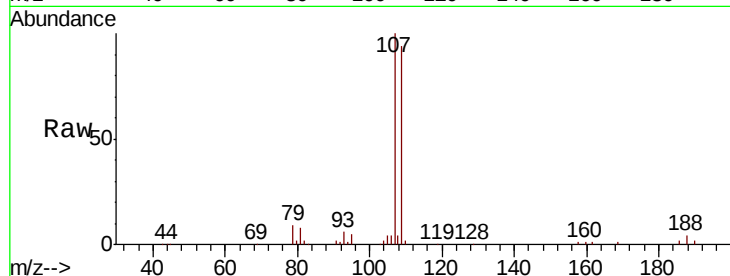
P026-SS015-1824-01MS

Tot Ion:107 Resp: 224404

Ion Ratio Lower Upper

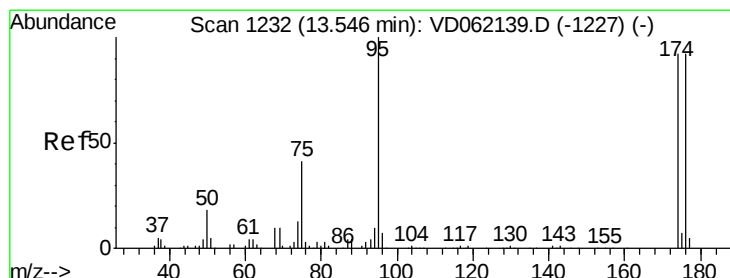
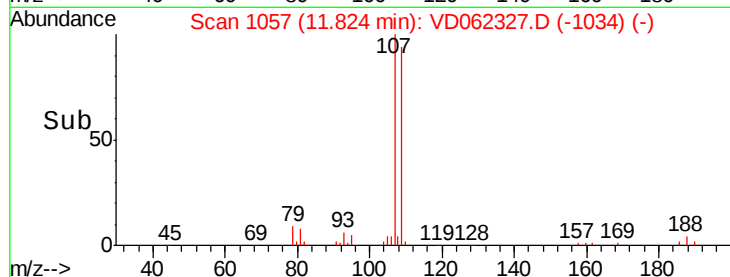
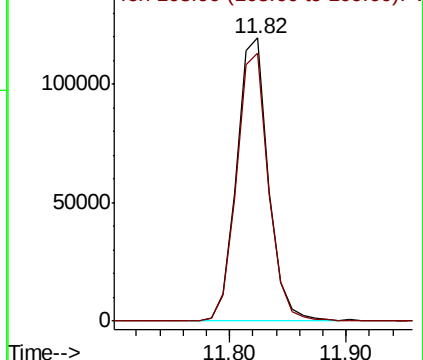
107 100

109 94.5 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 45.892 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

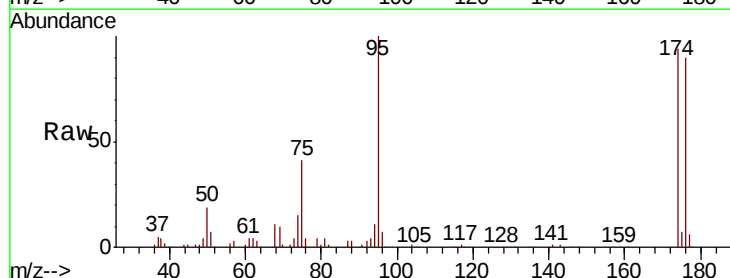
Tgt Ion: 95 Resp: 304110

Ion Ratio Lower Upper

95 100

174 93.5 0.0 181.8

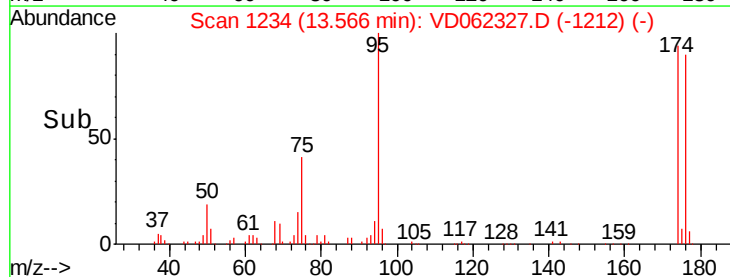
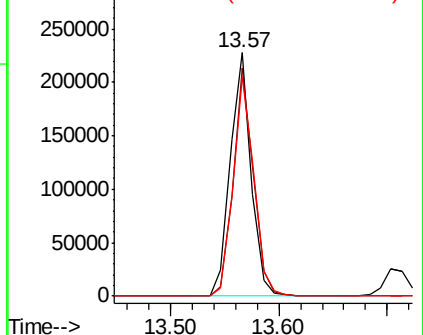
176 90.2 0.0 174.4

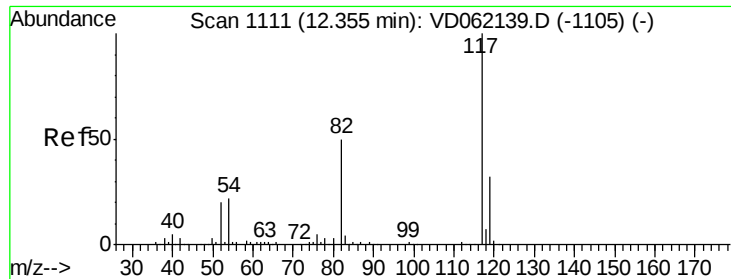


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

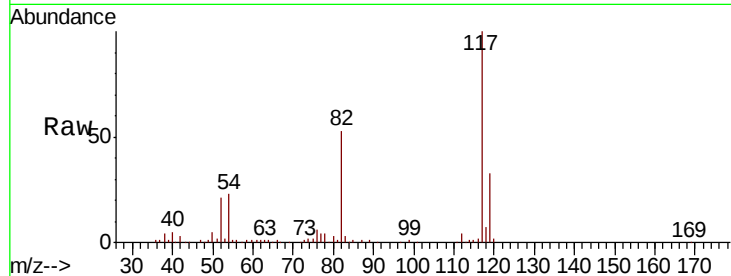




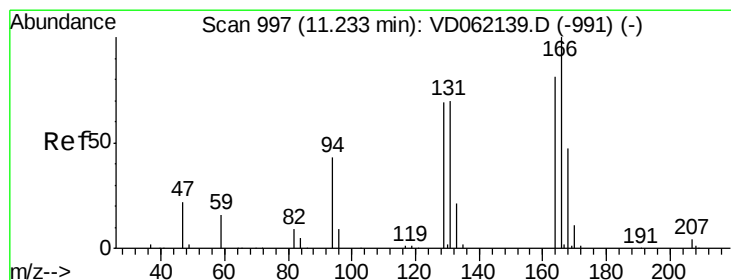
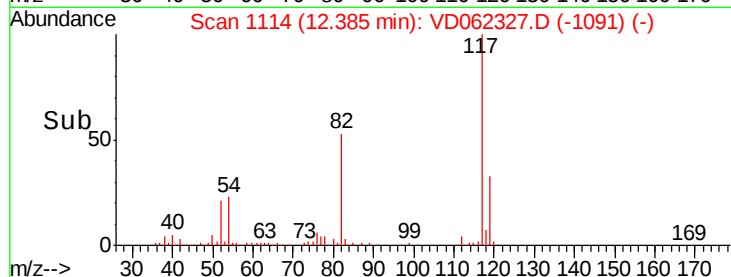
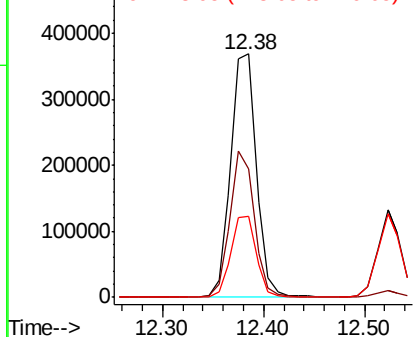
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion:117 Resp: 650726
Ion Ratio Lower Upper
117 100
82 52.6 36.2 54.2
119 33.3 26.2 39.4

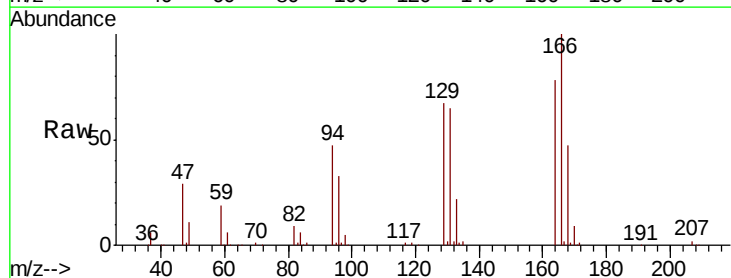


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

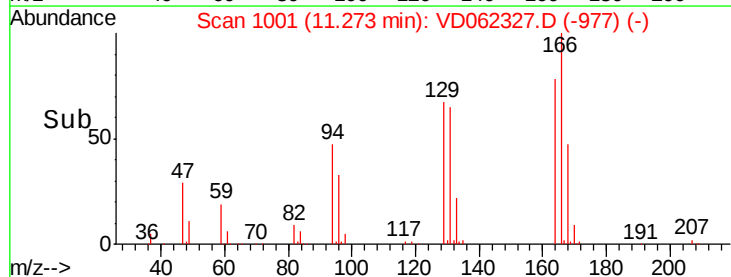
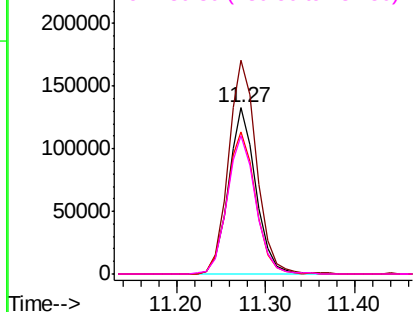


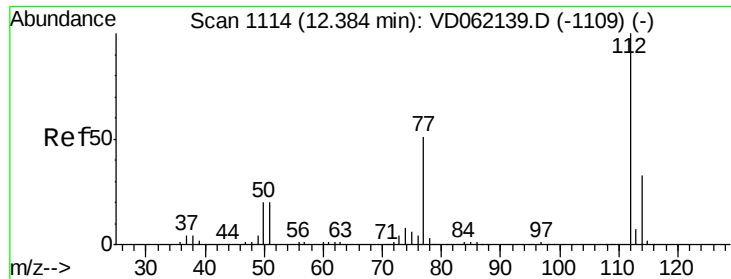
#64
Tetrachloroethene
Concen: 56.115 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion:164 Resp: 285536
Ion Ratio Lower Upper
164 100
166 128.5 101.5 152.3
129 85.6 74.6 112.0
131 83.2 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

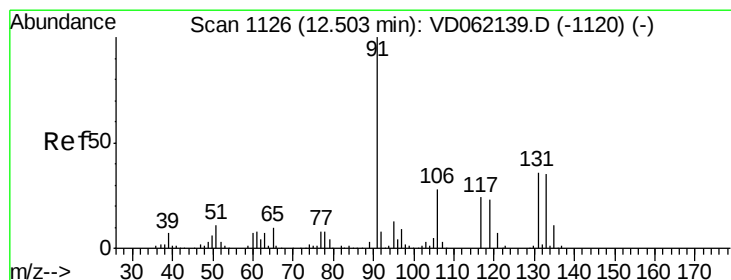
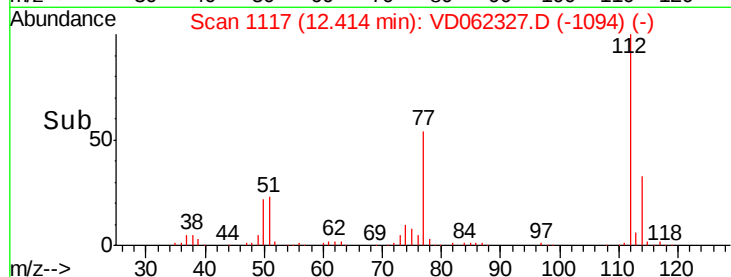
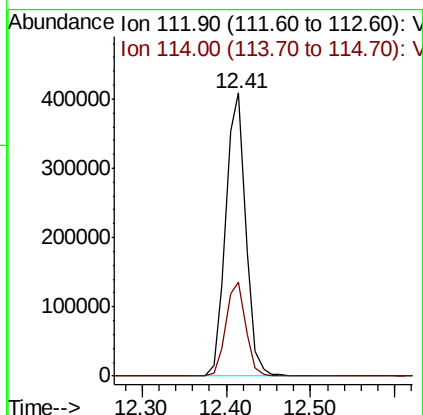
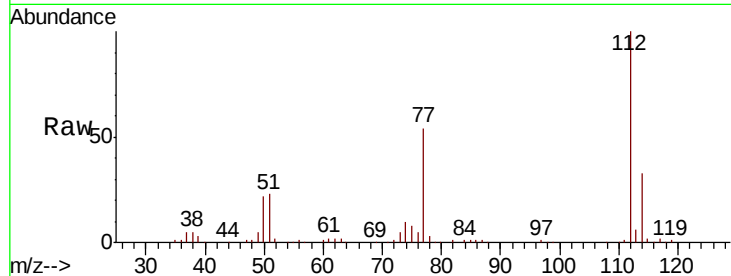




#65
Chlorobenzene
Concen: 55.665 ug/l
RT: 12.41 min Scan# 1117
Delta R.T. 0.03 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

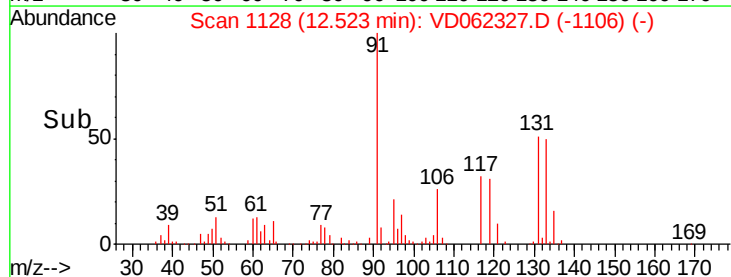
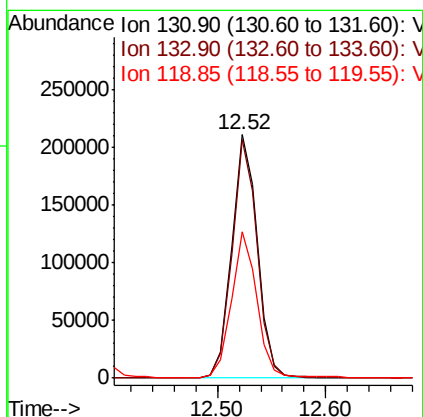
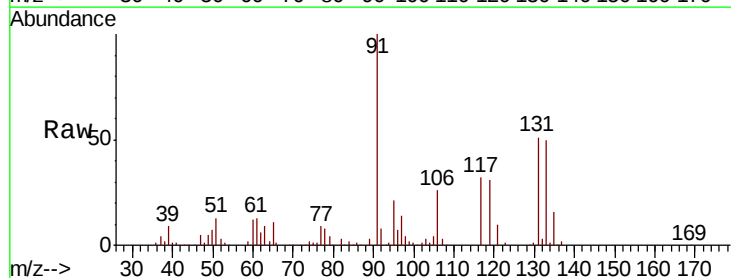
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

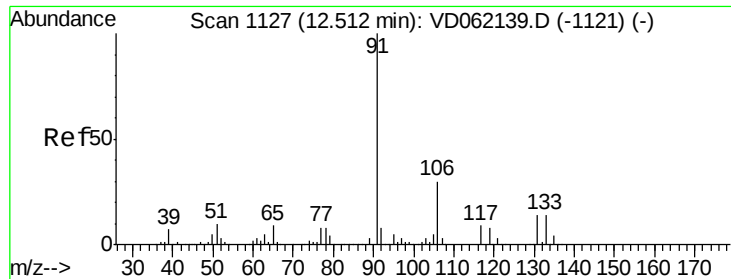
Tot Ion:112 Resp: 674663
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 65.669 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion:131 Resp: 346388
Ion Ratio Lower Upper
131 100
133 98.0 48.6 145.8
119 60.2 34.7 104.1

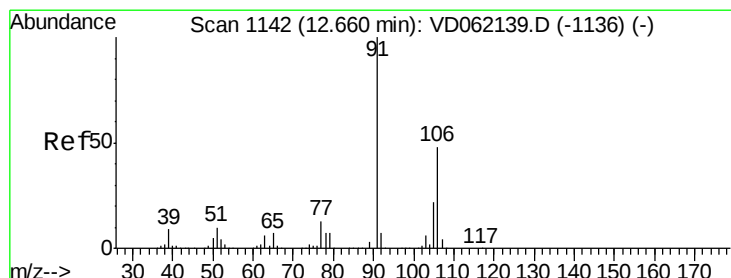
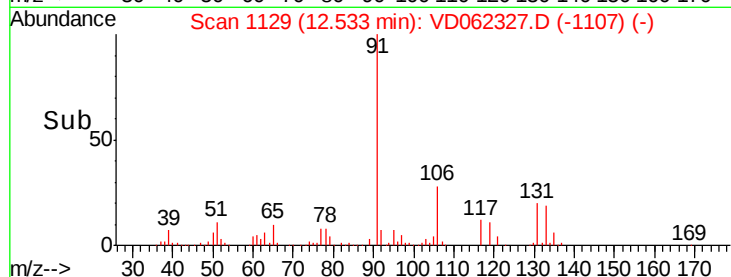
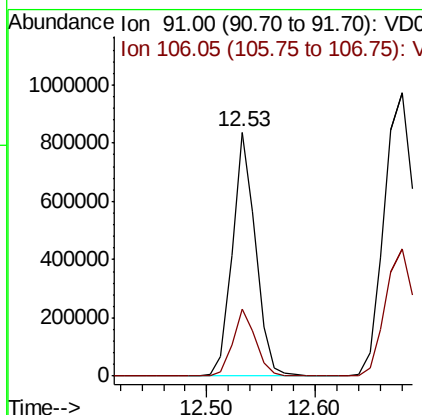
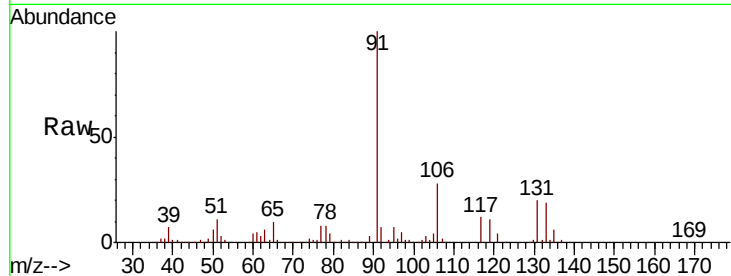




#67
Ethyl Benzene
Concen: 61.398 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

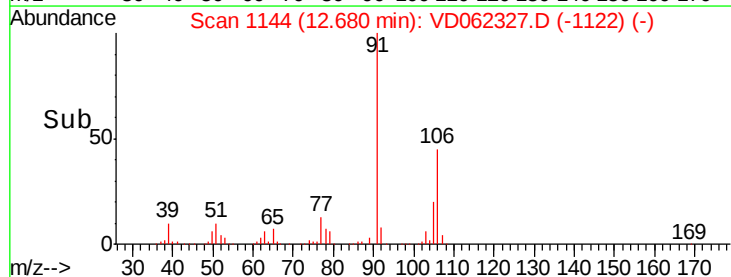
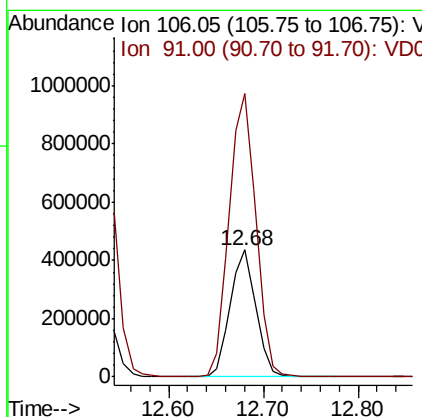
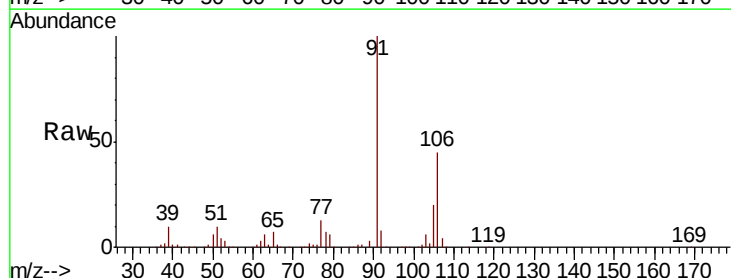
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

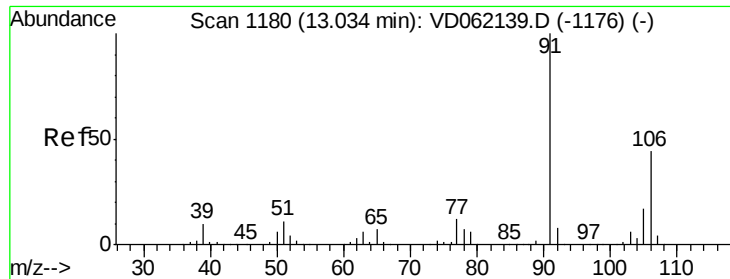
Tot Ion: 91 Resp: 1245797
Ion Ratio Lower Upper
91 100
106 27.6 24.7 37.1



#68
m/p-Xylenes
Concen: 111.219 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion: 106 Resp: 821041
Ion Ratio Lower Upper
106 100
91 223.1 164.0 246.0

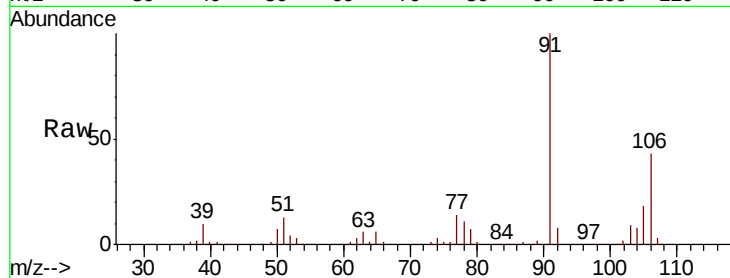




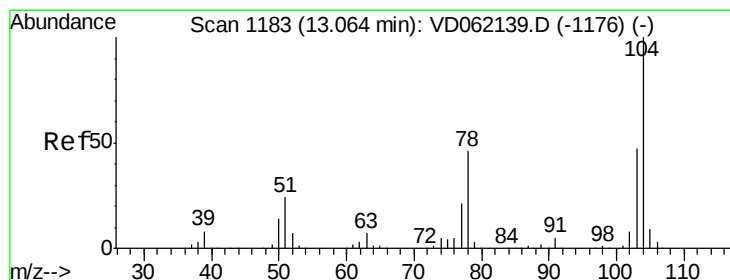
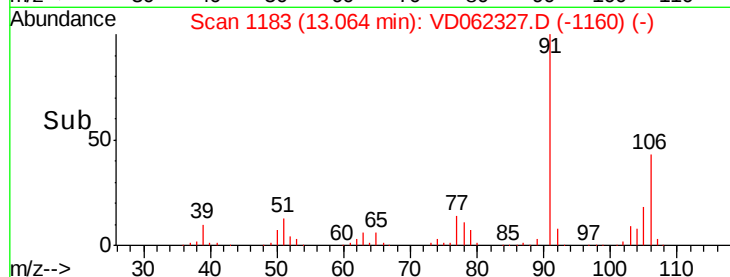
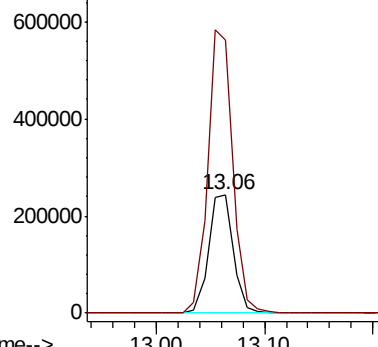
#69
o-Xylene
Concen: 56.625 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. 0.03 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion:106 Resp: 388628
Ion Ratio Lower Upper
106 100
91 230.5 106.7 319.9

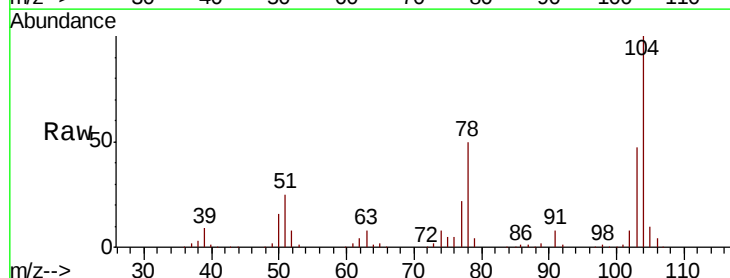


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

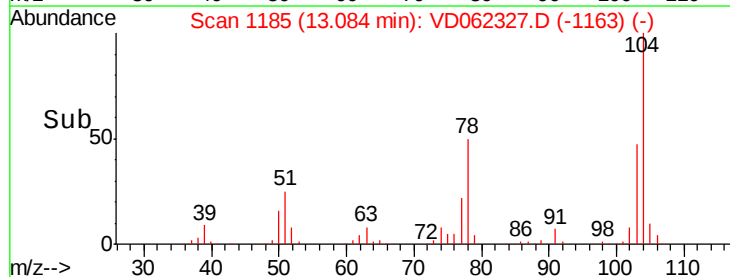
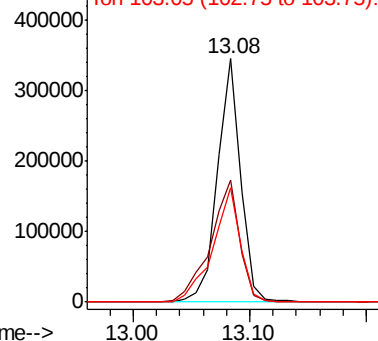


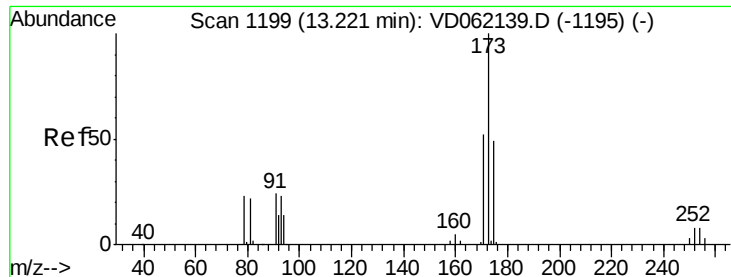
#70
Styrene
Concen: 40.878 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion:104 Resp: 475256
Ion Ratio Lower Upper
104 100
78 50.3 35.4 53.2
103 47.2 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 55.899 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

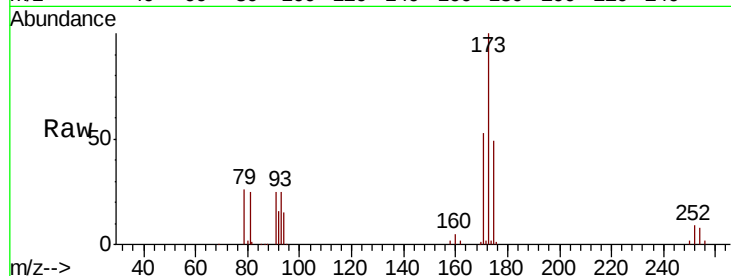
Tot Ion:173 Resp: 205142

Ion Ratio Lower Upper

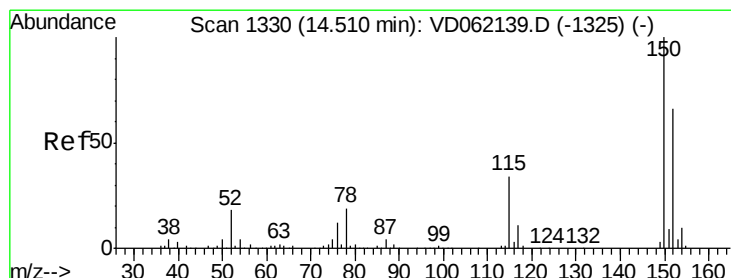
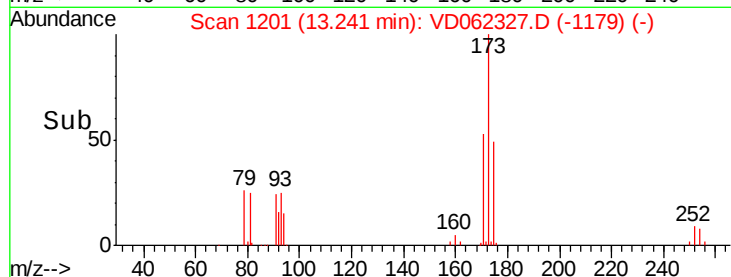
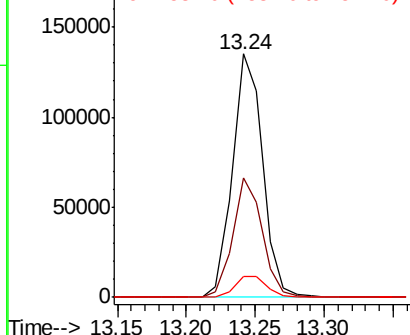
173 100

175 48.9 24.4 73.4

254 8.5 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

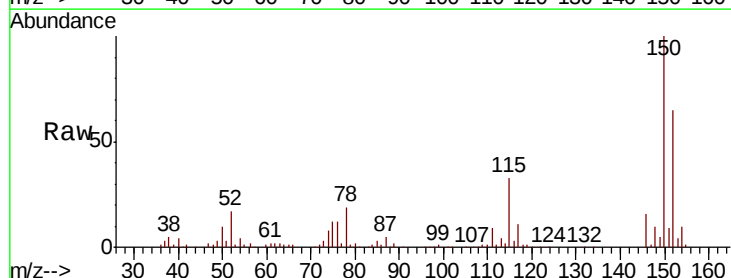
Tgt Ion:152 Resp: 301908

Ion Ratio Lower Upper

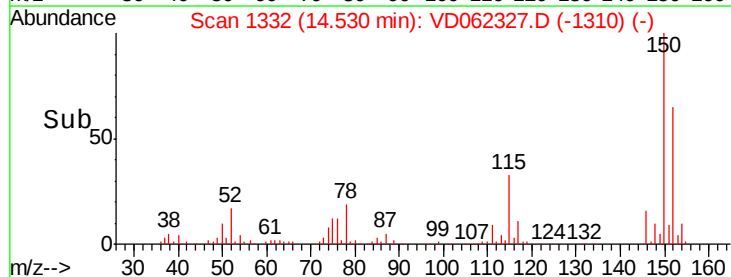
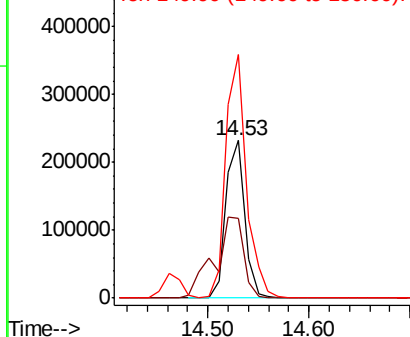
152 100

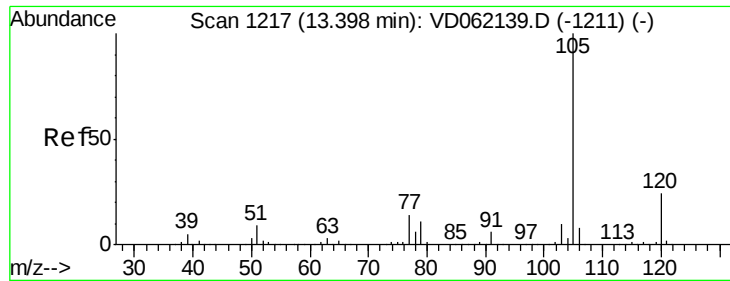
115 50.8 30.9 92.7

150 154.8 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 63.323 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

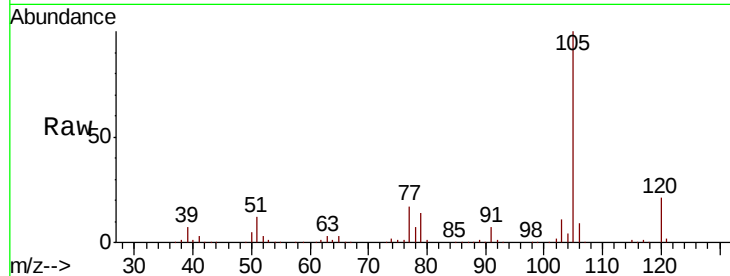
P026-SS015-1824-01MS

Tot Ion:105 Resp: 1145972

Ion Ratio Lower Upper

105 100

120 20.9 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

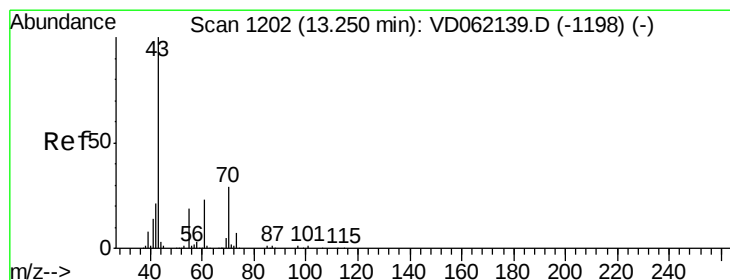
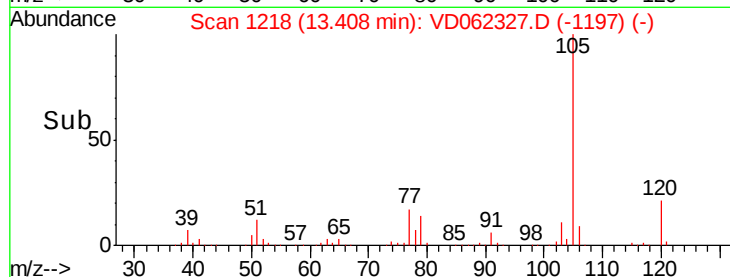
400000

200000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 18.208 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Tgt Ion: 43 Resp: 86394

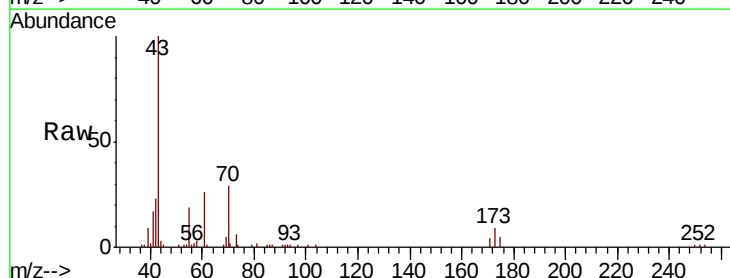
Ion Ratio Lower Upper

43 100

70 29.3 24.2 36.4

55 19.1 16.0 24.0

61 26.1 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

80000

60000

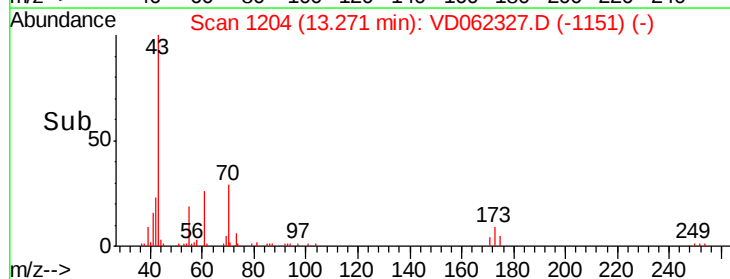
40000

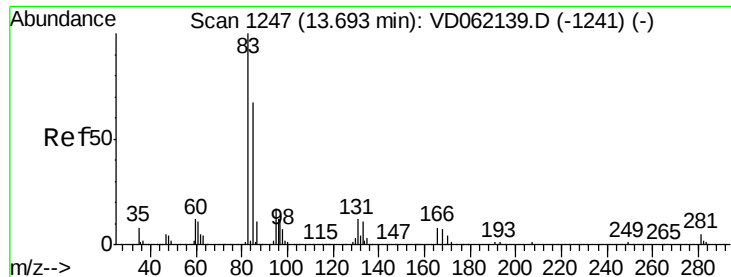
20000

0

13.20 13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.266 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

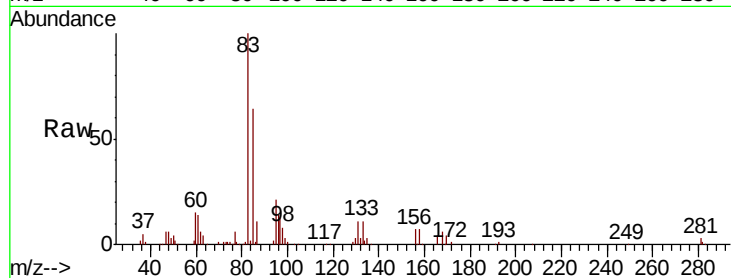
Tot Ion: 83 Resp: 189345

Ion Ratio Lower Upper

83 100

131 10.7 5.0 14.9

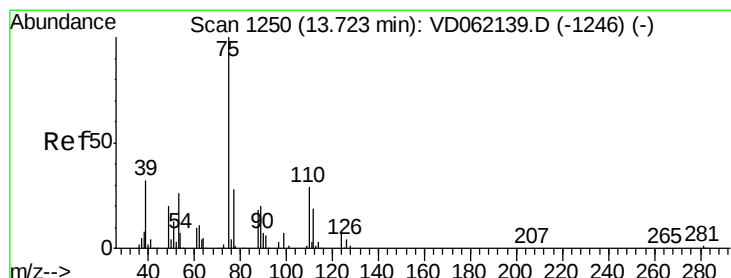
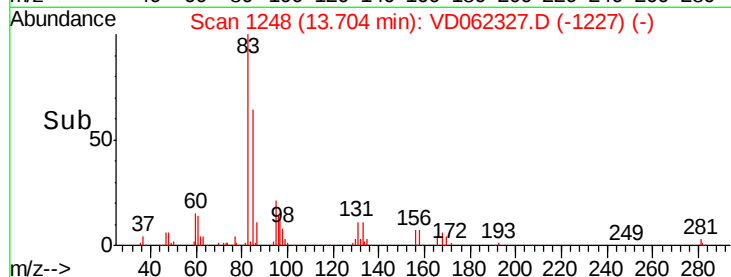
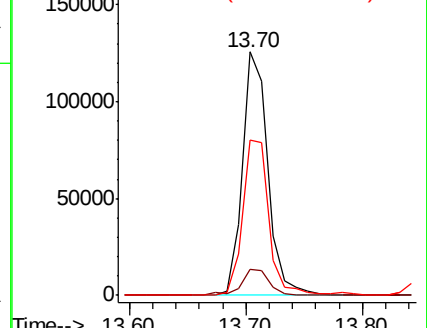
85 63.7 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 52.183 ug/l

RT: 13.74 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD062327.D

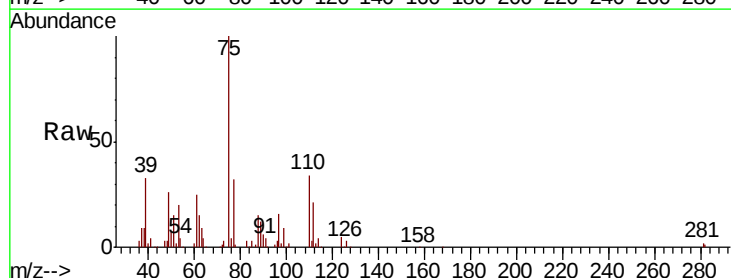
Acq: 14 May 2019 2:58

Tgt Ion: 75 Resp: 187229

Ion Ratio Lower Upper

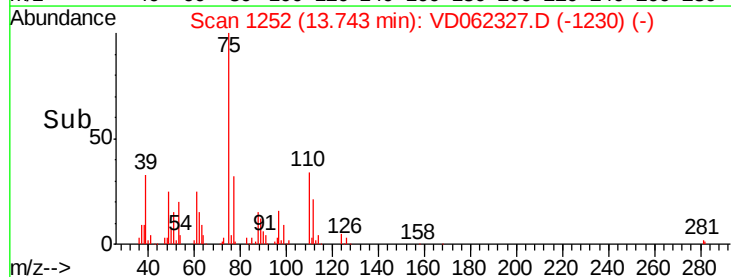
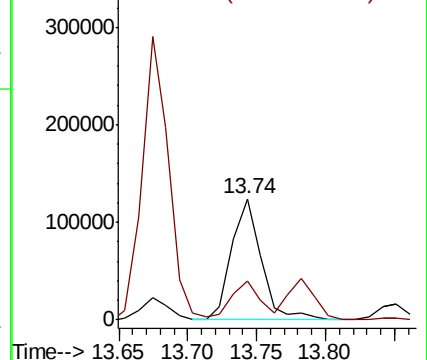
75 100

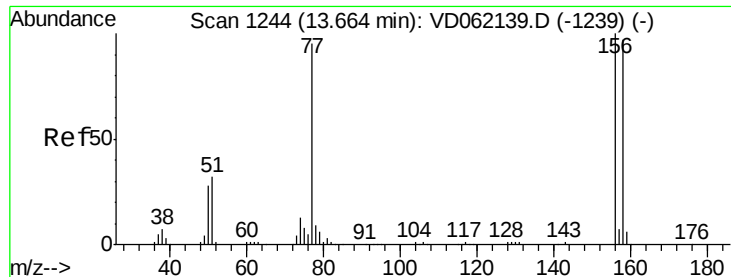
77 32.4 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 62.258 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

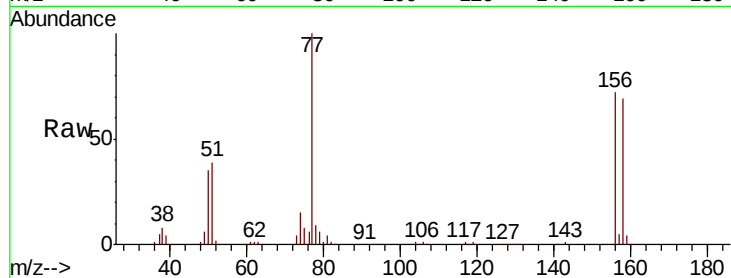
Tot Ion:156 Resp: 315404

Ion Ratio Lower Upper

156 100

77 138.0 53.1 159.4

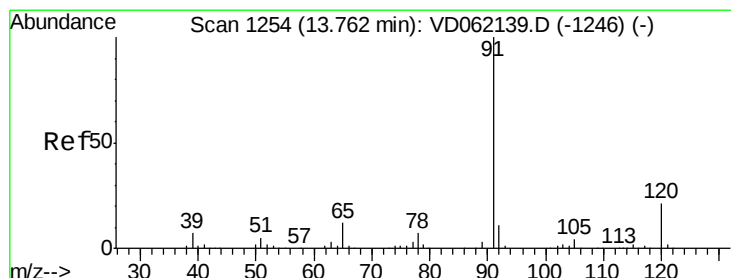
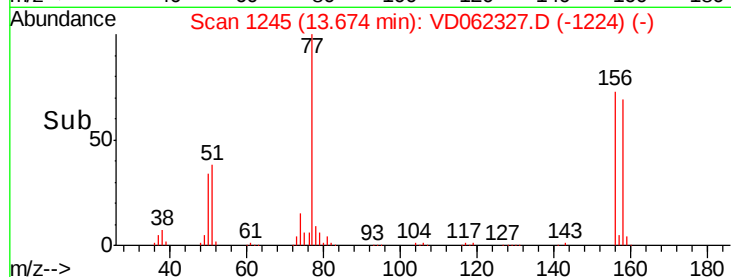
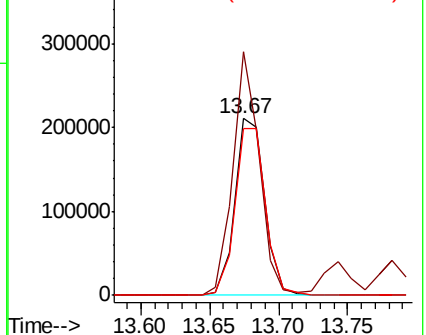
158 94.6 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 62.512 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062327.D

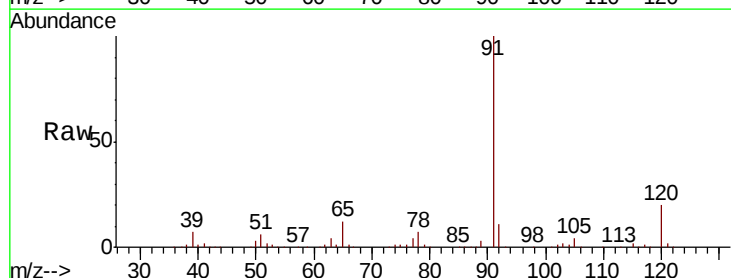
Acq: 14 May 2019 2:58

Tgt Ion: 91 Resp: 1349504

Ion Ratio Lower Upper

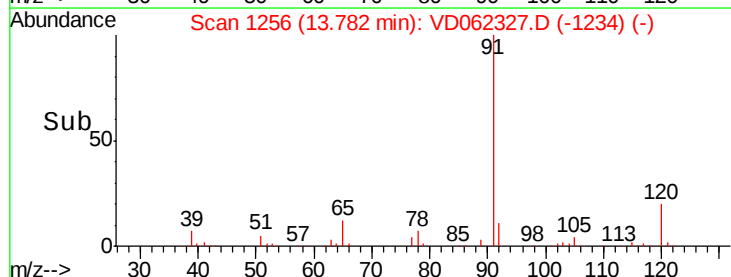
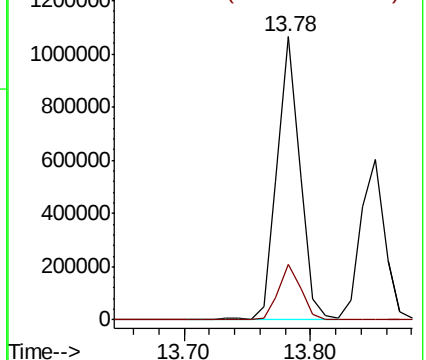
91 100

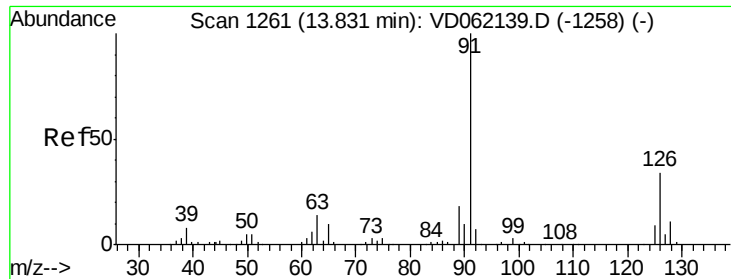
120 19.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

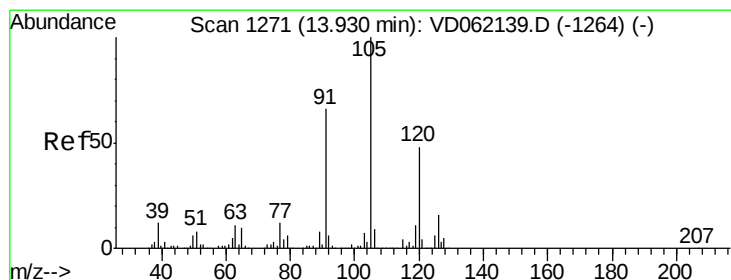
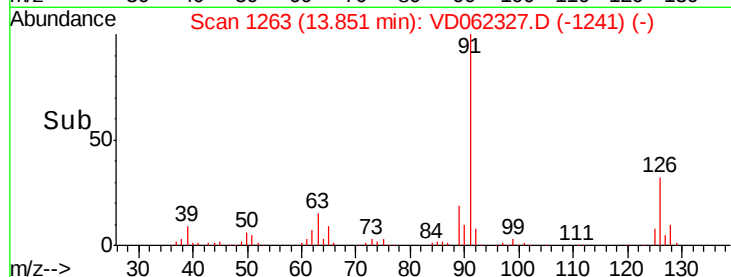
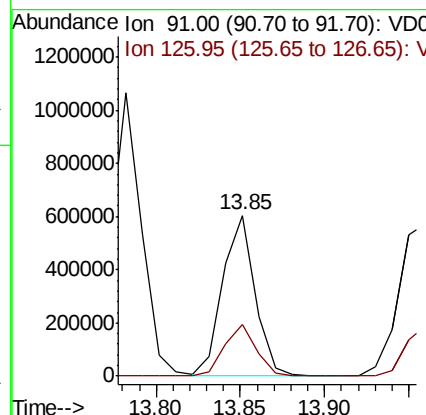
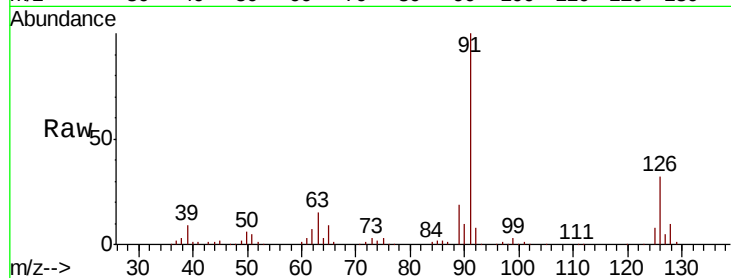




#79
 2-Chlorotoluene
 Concen: 64.734 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. 0.02 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

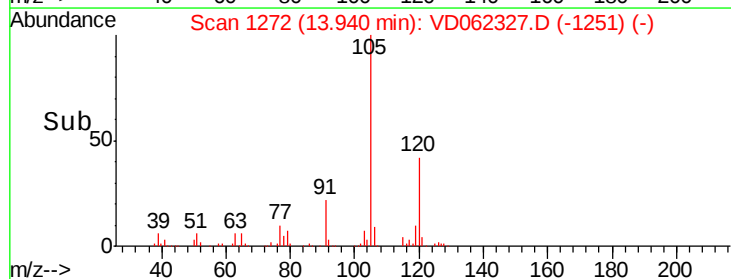
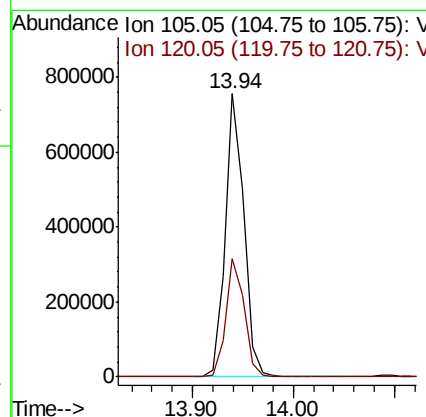
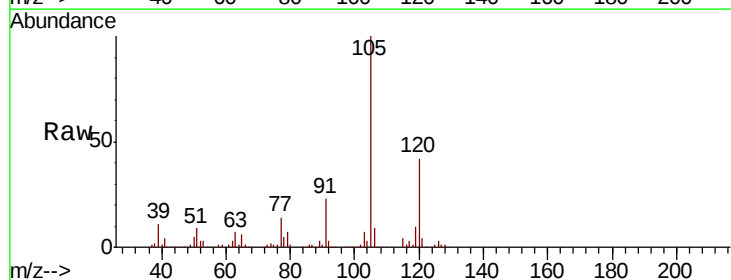
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

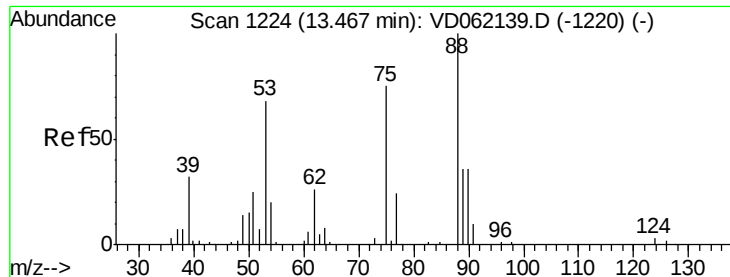
Tot Ion: 91 Resp: 800367
 Ion Ratio Lower Upper
 91 100
 126 32.0 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 63.657 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion: 105 Resp: 970094
 Ion Ratio Lower Upper
 105 100
 120 41.7 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.009 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

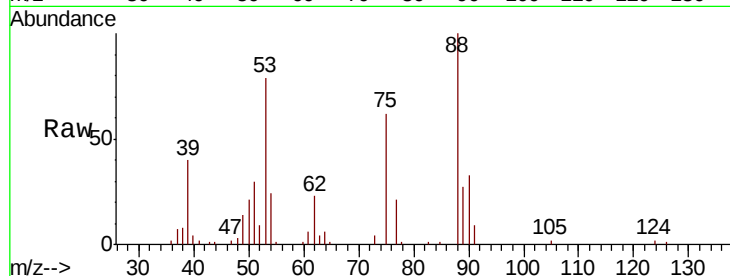
Tot Ion: 75 Resp: 46602

Ion Ratio Lower Upper

75 100

53 127.3 65.8 98.8#

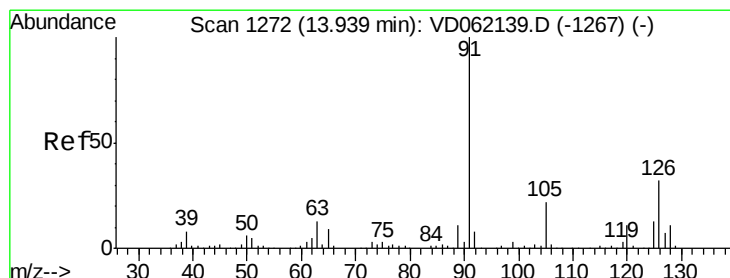
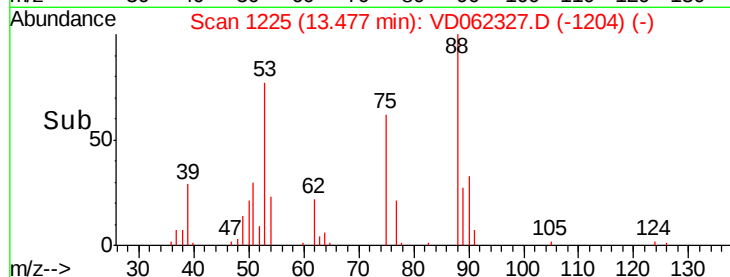
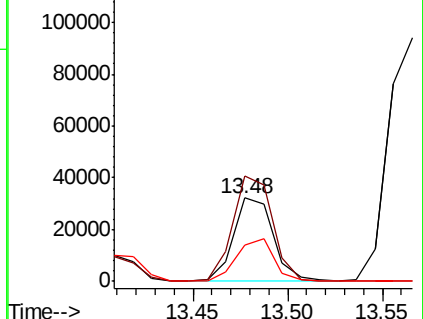
89 43.5 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 60.971 ug/l

RT: 13.96 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VD062327.D

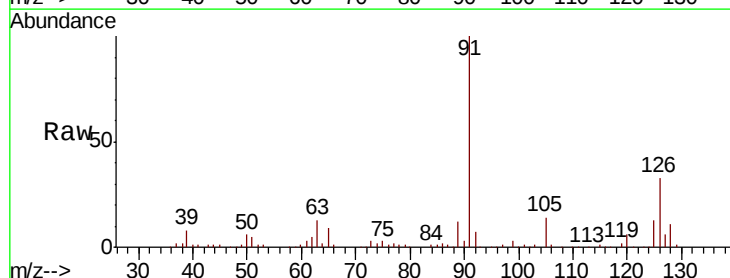
Acq: 14 May 2019 2:58

Tgt Ion: 91 Resp: 887082

Ion Ratio Lower Upper

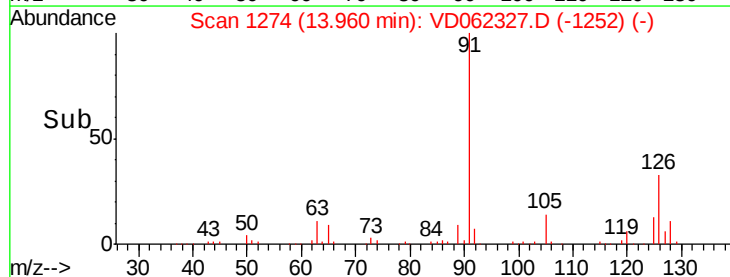
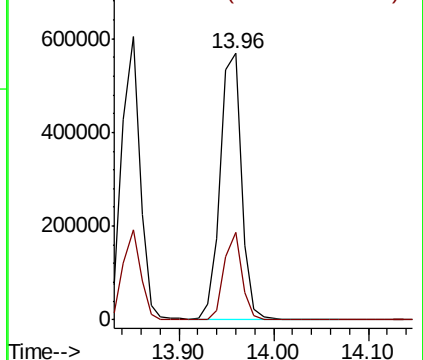
91 100

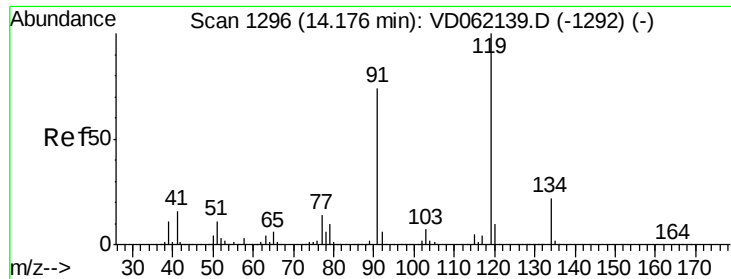
126 33.0 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

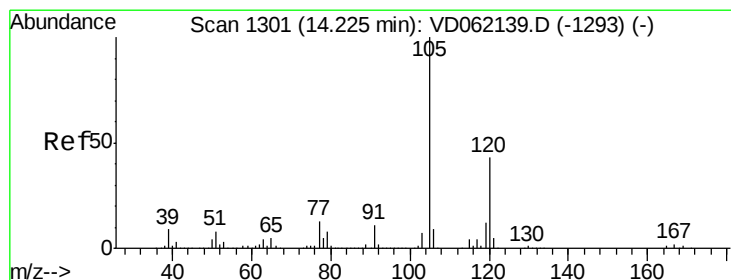
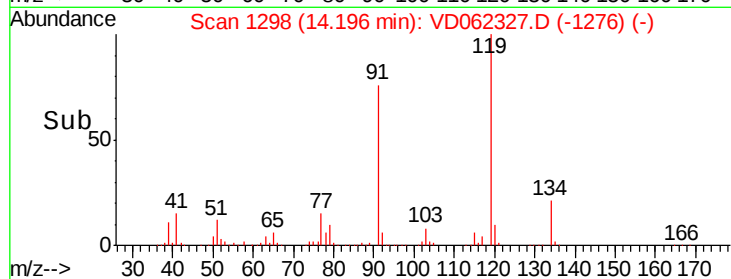
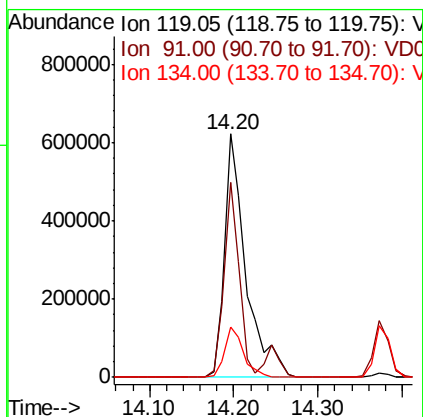
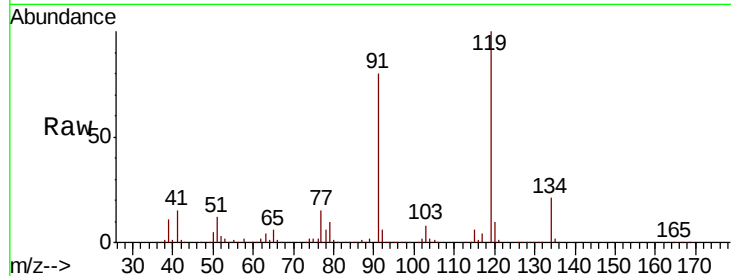




#83
 tert-Butylbenzene
 Concen: 64.136 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

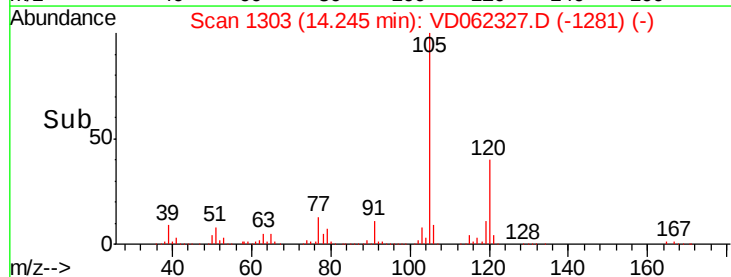
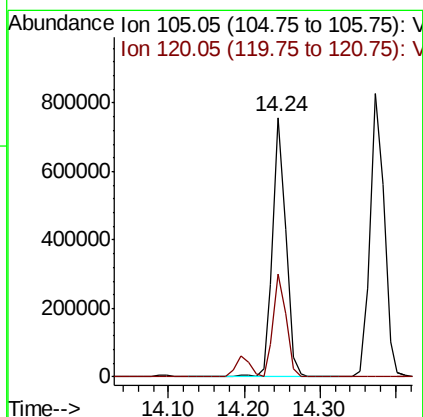
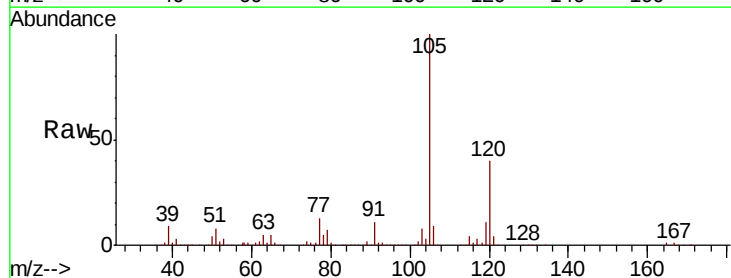
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

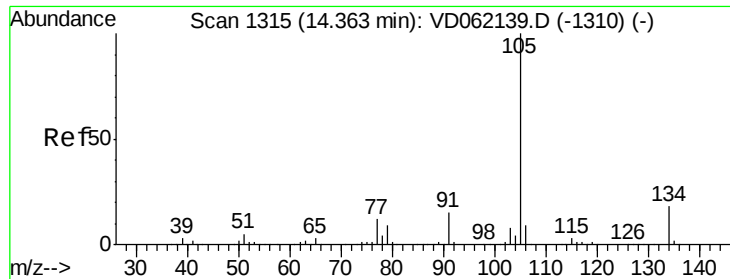
Tot Ion:119 Resp: 1098588
 Ion Ratio Lower Upper
 119 100
 91 80.0 34.2 102.6
 134 20.6 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 60.845 ug/l
 RT: 14.24 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion:105 Resp: 930487
 Ion Ratio Lower Upper
 105 100
 120 39.6 23.1 69.2





#85

sec-Butylbenzene

Concen: 56.129 ug/l

RT: 14.37 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

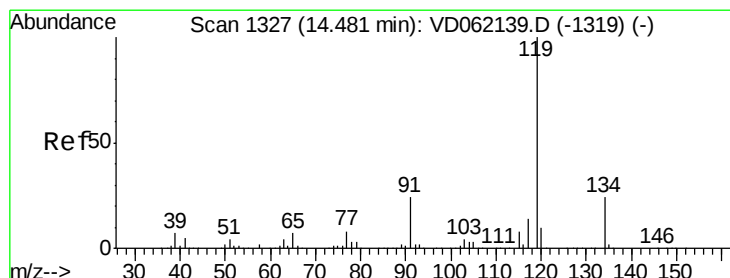
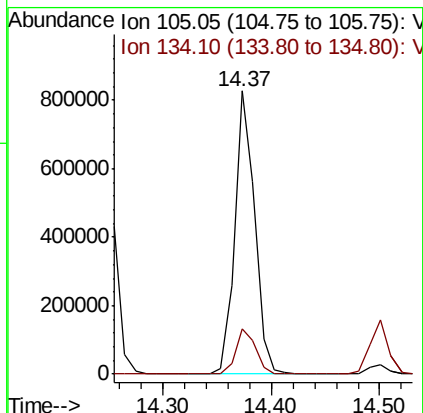
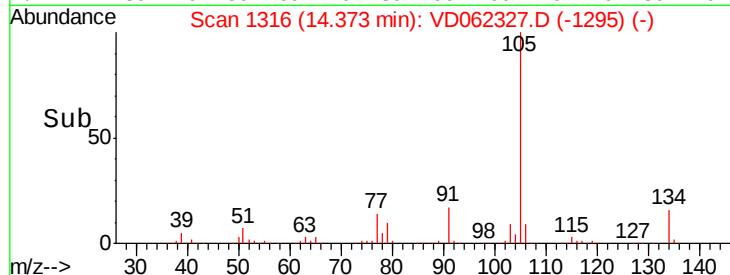
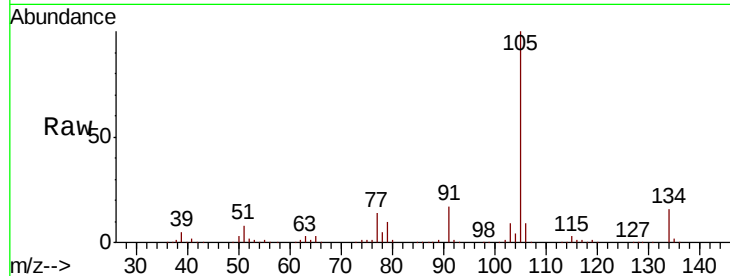
P026-SS015-1824-01MS

Tot Ion:105 Resp: 1054122

Ion Ratio Lower Upper

105 100

134 16.1 8.9 26.7



#86

p-Isopropyltoluene

Concen: 50.104 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

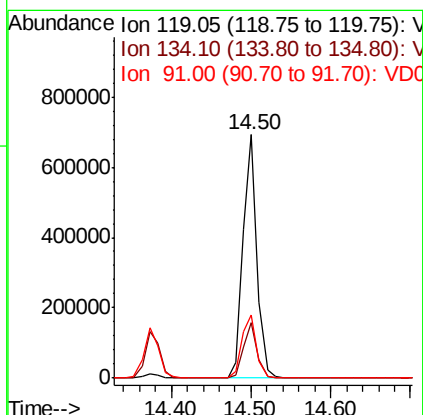
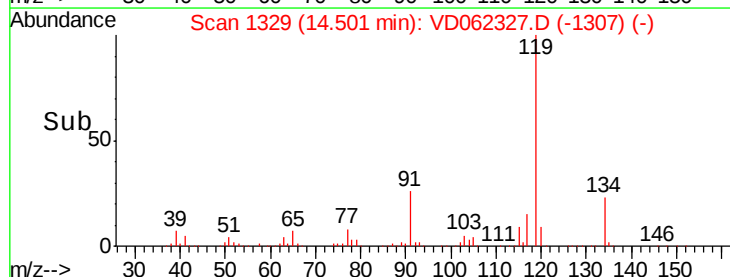
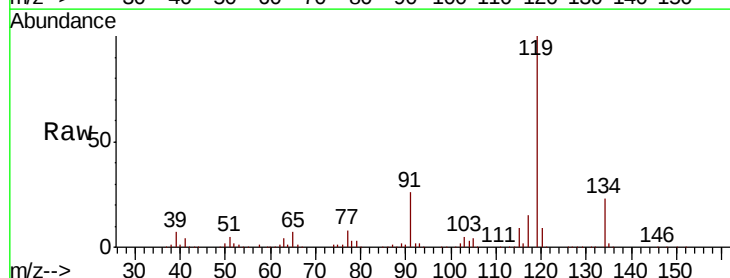
Tgt Ion:119 Resp: 840698

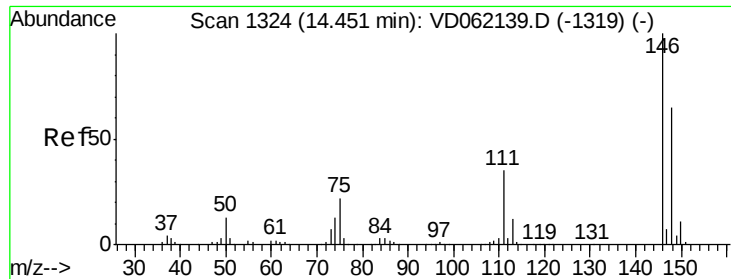
Ion Ratio Lower Upper

119 100

134 23.0 12.8 38.3

91 25.9 10.7 32.1

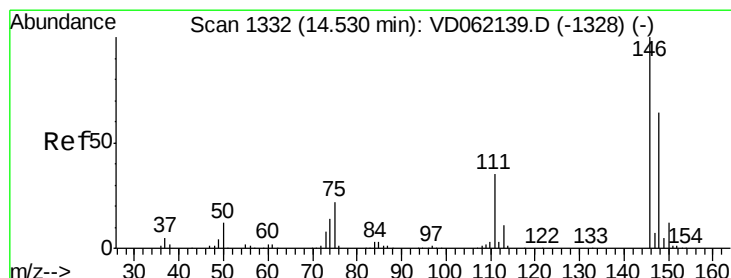
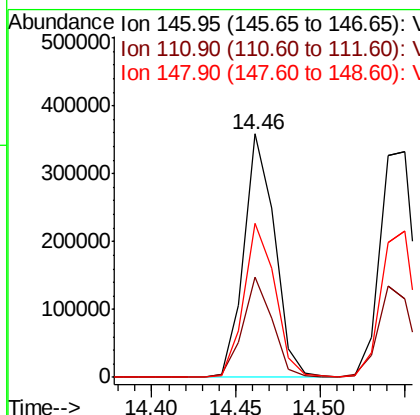
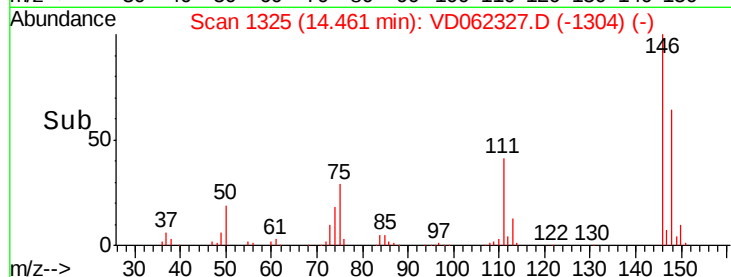
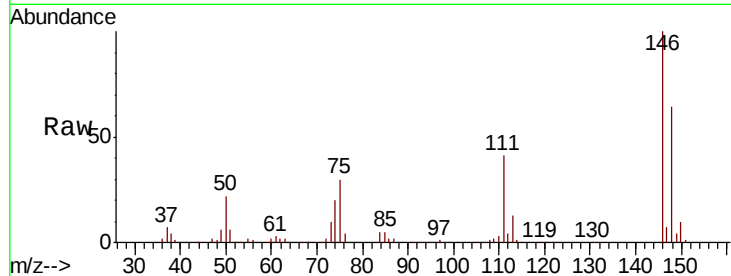




#87
 1,3-Dichlorobenzene
 Concen: 49.358 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

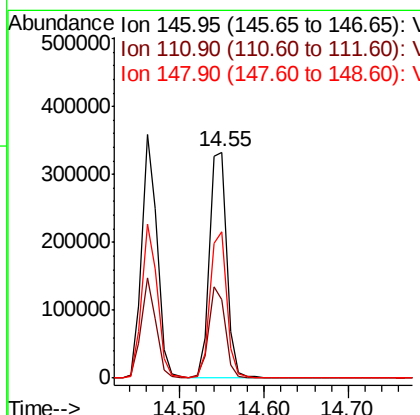
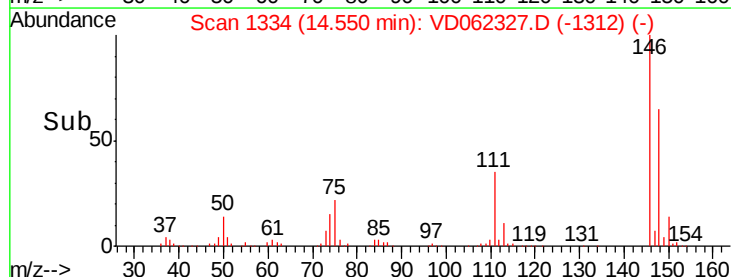
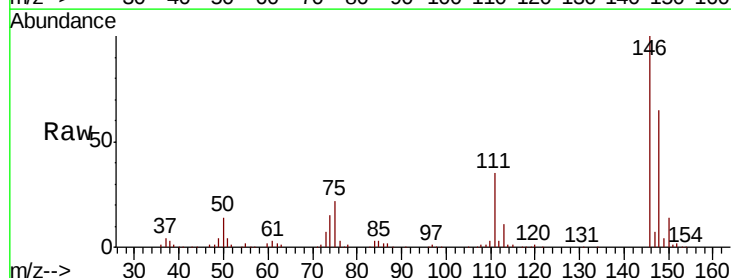
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

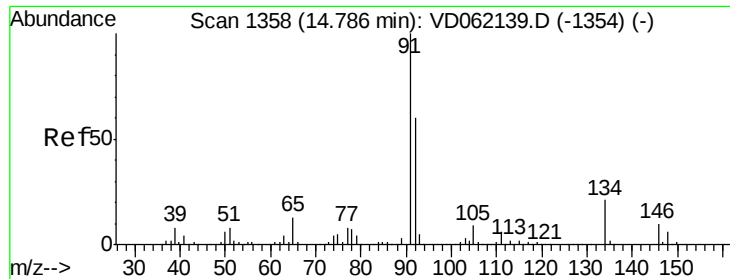
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	60.0
148	63.5	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 52.699 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.02 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	20.2	60.5
148	64.8	32.0	96.2

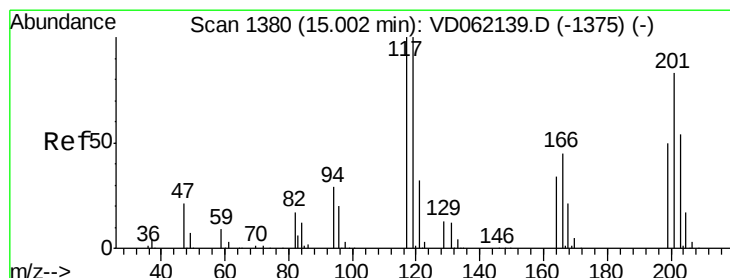
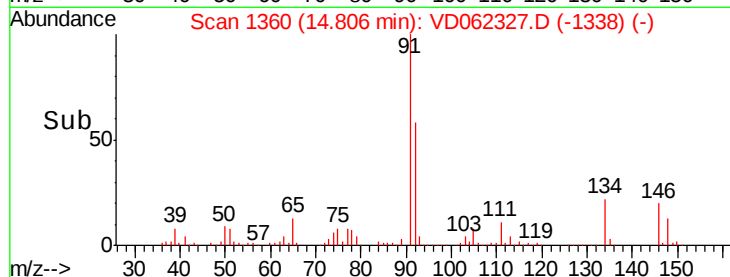
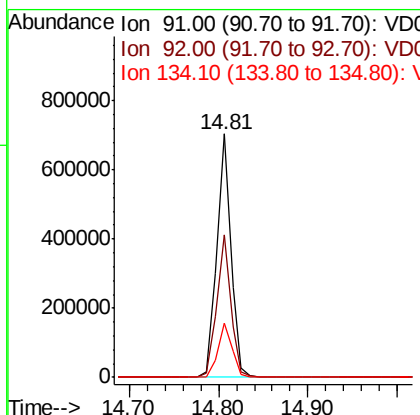
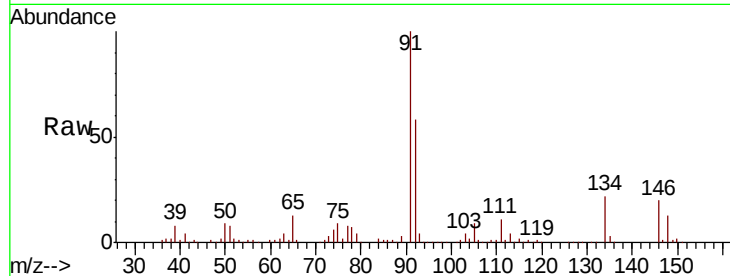




#89
n-Butylbenzene
Concen: 52.114 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

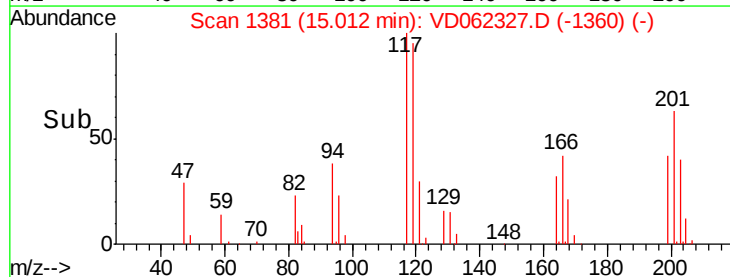
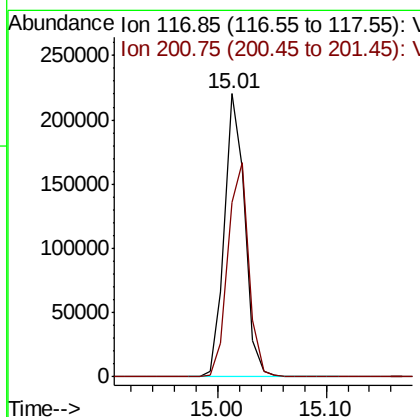
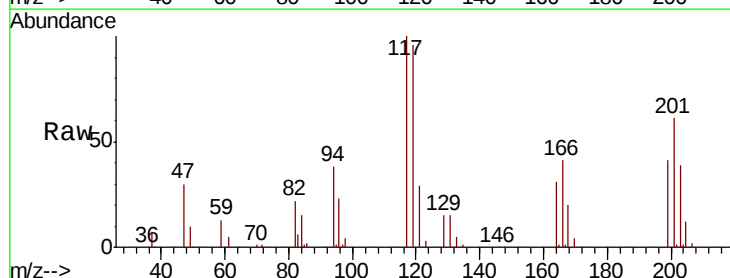
Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

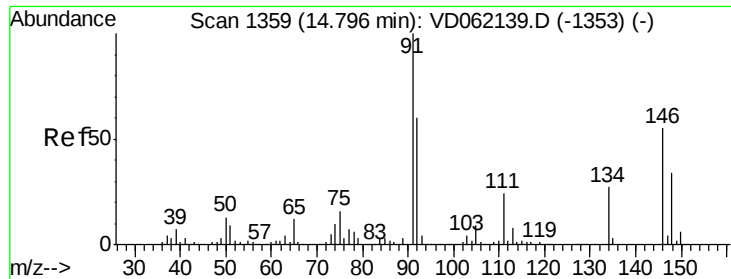
Tot Ion: 91 Resp: 784870
Ion Ratio Lower Upper
91 100
92 58.4 30.3 91.0
134 22.4 14.5 43.6



#90
Hexachloroethane
Concen: 63.398 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion: 117 Resp: 289285
Ion Ratio Lower Upper
117 100
201 61.5 30.2 90.6

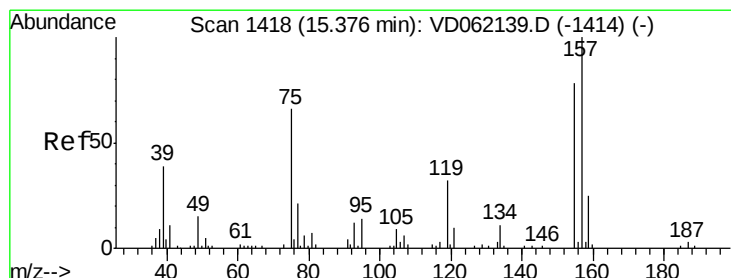
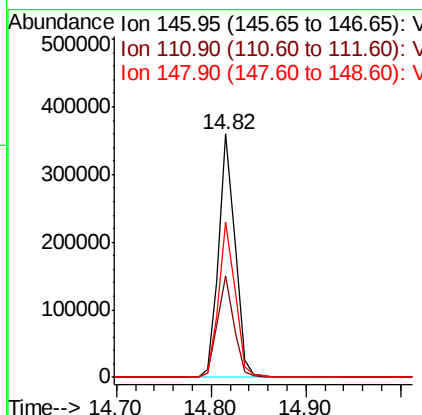
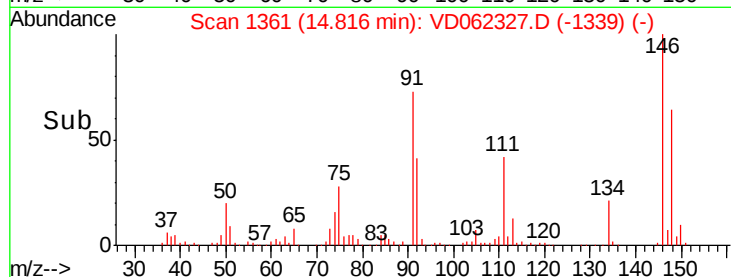
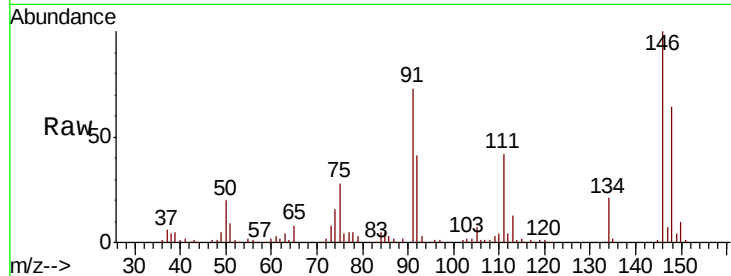




#91
 1,2-Dichlorobenzene
 Concen: 57.054 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

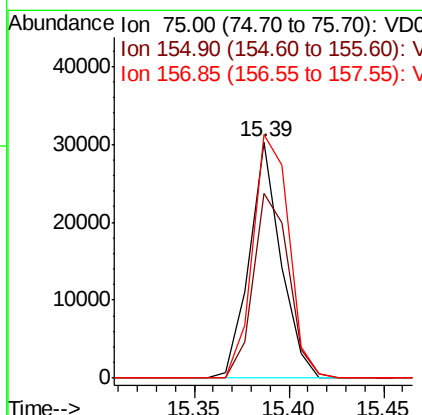
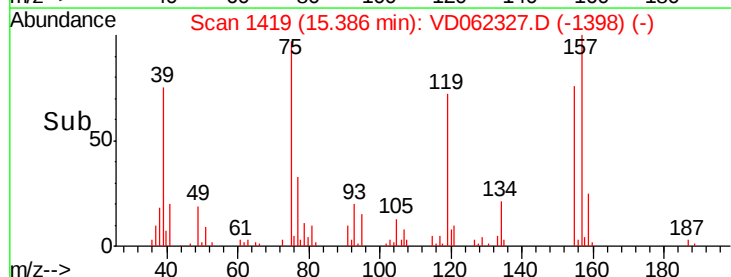
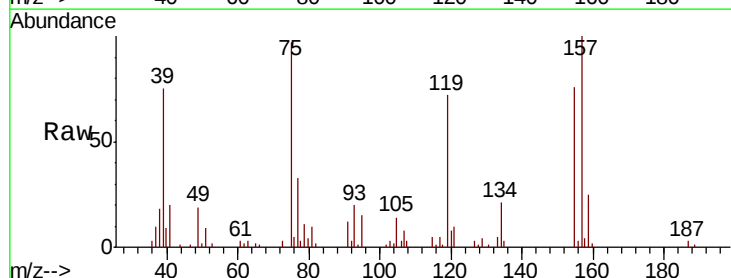
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

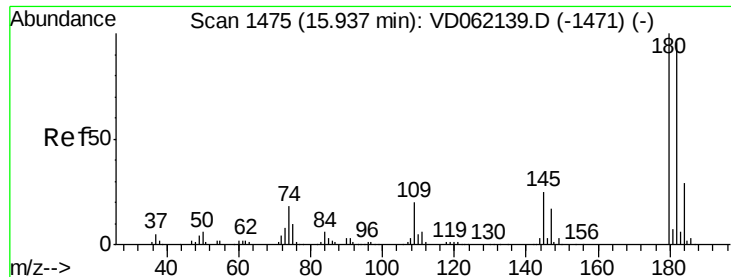
Tot Ion:146 Resp: 434845
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.0 59.9
 148 63.6 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 62.289 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion: 75 Resp: 35031
 Ion Ratio Lower Upper
 75 100
 155 78.3 55.3 165.8
 157 102.9 67.8 203.2

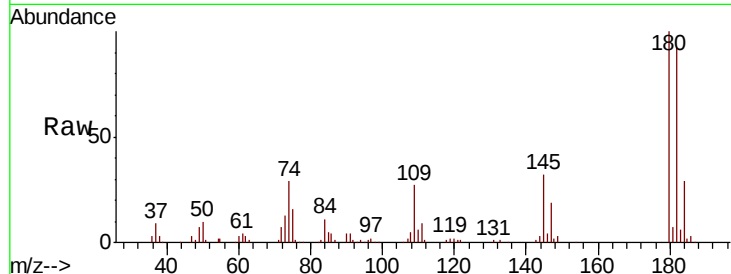




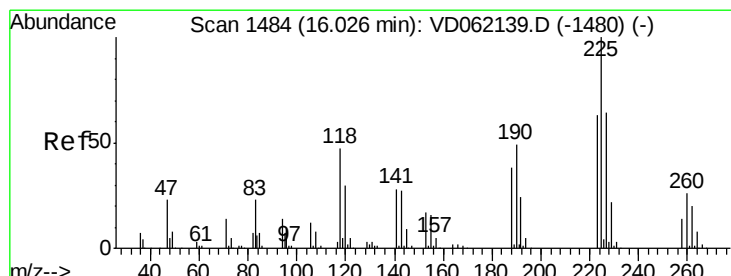
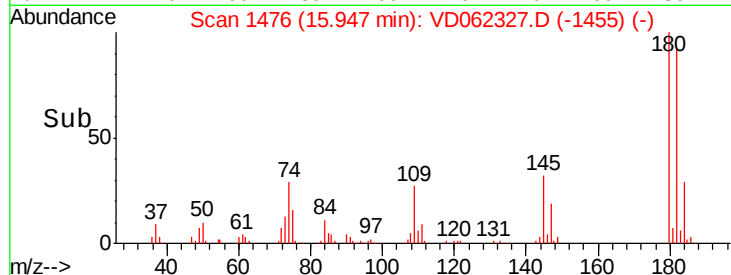
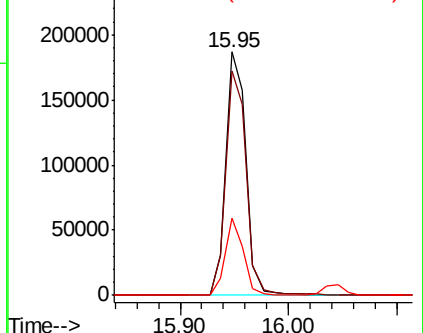
#93
 1,2,4-Trichlorobenzene
 Concen: 43.670 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Tot Ion:180 Resp: 242262
 Ion Ratio Lower Upper
 180 100
 182 91.9 49.3 147.8
 145 31.7 16.2 48.6

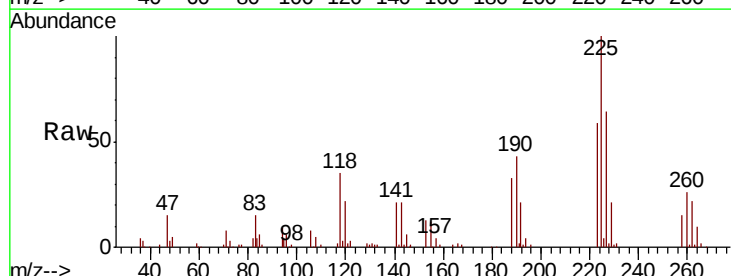


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

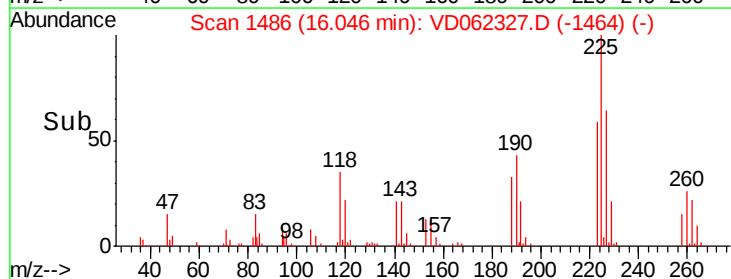
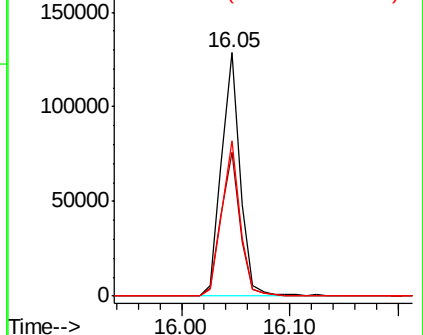


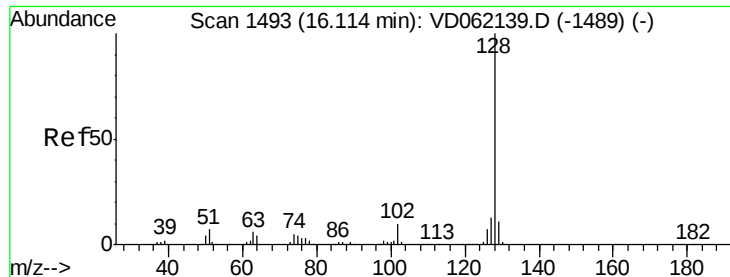
#94
 Hexachlorobutadiene
 Concen: 37.261 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion:225 Resp: 153740
 Ion Ratio Lower Upper
 225 100
 223 59.2 30.6 92.0
 227 63.8 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

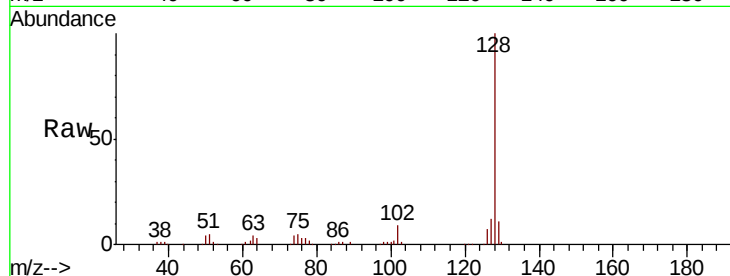




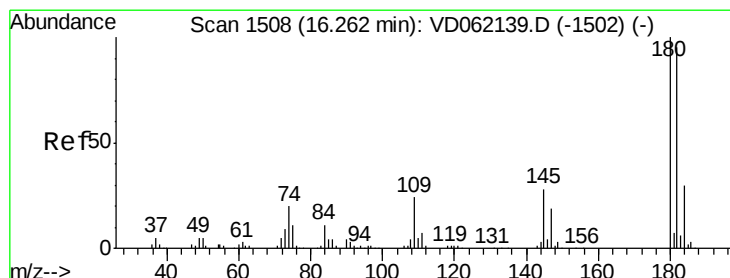
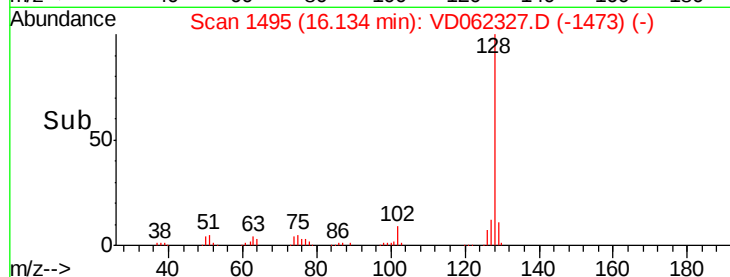
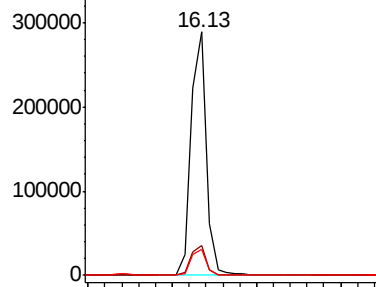
#95
Naphthalene
Concen: 47.039 ug/l
RT: 16.13 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion:128 Resp: 364314
Ion Ratio Lower Upper
128 100
127 12.4 9.8 14.8
129 10.8 8.8 13.2

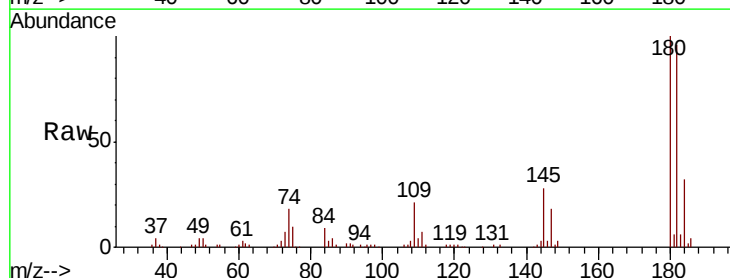


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 49.687 ug/l
RT: 16.28 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion:180 Resp: 173307
Ion Ratio Lower Upper
180 100
182 95.7 47.0 141.0
145 28.0 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

