

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062255.D
 Acq On : 12 May 2019 13:29
 Operator : FY/SY
 Sample : VD0512SBSD01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

Quant Time: May 13 01:31:57 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	879262	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	1206311	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	947383	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	493924	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	354674	43.41	ug/l	0.04
Spiked Amount	50.000		Recovery	=	86.82%	
35) Dibromofluoromethane	6.94	113	448858	44.85	ug/l	0.04
Spiked Amount	50.000		Recovery	=	89.70%	
50) Toluene-d8	10.42	98	1036849	42.97	ug/l	0.02
Spiked Amount	50.000		Recovery	=	85.94%	
62) 4-Bromofluorobenzene	13.56	95	403540	41.64	ug/l	0.01
Spiked Amount	50.000		Recovery	=	83.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	165962	19.735	ug/l	98
3) Chloromethane	1.75	50	126367	20.796	ug/l	97
4) Vinyl Chloride	1.86	62	127090	21.282	ug/l	95
5) Bromomethane	2.15	94	38124	27.245	ug/l	93
6) Chloroethane	2.26	64	59816	23.871	ug/l	99
7) Trichlorofluoromethane	2.53	101	280241	24.138	ug/l	91
8) Diethyl Ether	2.88	74	41243	18.419	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.16	101	203337	23.152	ug/l	97
10) Methyl Iodide	3.32	142	211660	15.946	ug/l #	87
11) Tert butyl alcohol	4.09	59	41510	99.523	ug/l #	93
12) 1,1-Dichloroethene	3.14	96	145470	21.698	ug/l	95
13) Acrolein	3.05	56	37186	86.199	ug/l	99
14) Allyl chloride	3.63	41	218739	22.440	ug/l	92
15) Acrylonitrile	4.20	53	114845	104.757	ug/l	89
16) Acetone	3.23	43	191972	112.031	ug/l	91
17) Carbon Disulfide	3.38	76	357271	18.525	ug/l	98
18) Methyl Acetate	3.65	43	59638	19.273	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	291475	20.283	ug/l	94
20) Methylene Chloride	3.82	84	153674	21.479	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	148301	19.879	ug/l	96
22) Diisopropyl ether	5.13	45	482951	23.282	ug/l	92
23) Vinyl Acetate	5.07	43	1305872	119.319	ug/l	98
24) 1,1-Dichloroethane	5.00	63	282719	22.593	ug/l	98
25) 2-Butanone	6.08	43	211635	113.229	ug/l	97
26) 2,2-Dichloropropane	6.04	77	295227	23.684	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	182501	21.855	ug/l	96
28) Bromochloromethane	6.45	49	113844	23.123	ug/l	81
29) Tetrahydrofuran	6.47	42	85566	99.357	ug/l	95
30) Chloroform	6.68	83	338562	22.449	ug/l	98
31) Cyclohexane	6.97	56	166366	19.405	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	331577	23.261	ug/l	100
36) 1,1-Dichloropropene	7.16	75	235843	23.845	ug/l	96
37) Ethyl Acetate	6.20	43	90727	21.630	ug/l #	91
38) Carbon Tetrachloride	7.12	117	331720	24.232	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062255.D
 Acq On : 12 May 2019 13:29
 Operator : FY/SY
 Sample : VD0512SBSD01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0512SBSD01

Quant Time: May 13 01:31:57 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	207368	21.883	ug/l	94
40) Benzene	7.47	78	491109	21.989	ug/l	97
41) Methacrylonitrile	6.46	41	110931	21.642	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	218650	23.107	ug/l	96
43) Isopropyl Acetate	9.25	43	125048	21.021	ug/l	95
44) Trichloroethene	8.55	130	188555	22.155	ug/l	89
45) 1,2-Dichloropropane	8.95	63	118719	21.490	ug/l	90
46) Dibromomethane	9.07	93	95727	21.309	ug/l	90
47) Bromodichloromethane	9.39	83	252530	22.981	ug/l	97
48) Methyl methacrylate	9.13	41	88449	24.139	ug/l	90
49) 1,4-Dioxane	9.09	88	16649	421.126	ug/l #	91
51) 4-Methyl-2-Pentanone	10.31	43	414873	108.495	ug/l	97
52) Toluene	10.52	92	332778	22.900	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	207412	21.840	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	227000	21.910	ug/l #	90
55) 1,1,2-Trichloroethane	11.20	97	114557	22.280	ug/l	96
56) Ethyl methacrylate	11.05	69	109632	20.519	ug/l #	92
57) 1,3-Dichloropropane	11.42	76	176922	22.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	318942	109.284	ug/l	96
59) 2-Hexanone	11.54	43	320332	113.660	ug/l	94
60) Dibromochloromethane	11.70	129	194931	21.938	ug/l	96
61) 1,2-Dibromoethane	11.82	107	128874	20.617	ug/l	97
64) Tetrachloroethene	11.27	164	169054	22.820	ug/l	95
65) Chlorobenzene	12.41	112	392382	22.237	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	173824	22.635	ug/l	94
67) Ethyl Benzene	12.54	91	677512	22.935	ug/l	97
68) m/p-Xylenes	12.68	106	470058	43.736	ug/l	97
69) o-Xylene	13.06	106	241518	24.171	ug/l	95
70) Styrene	13.08	104	410231	24.236	ug/l	96
71) Bromoform	13.25	173	122196	22.871	ug/l #	96
73) Isopropylbenzene	13.41	105	679443	22.948	ug/l	94
74) N-amyl acetate	13.27	43	175558	22.616	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	126560	22.580	ug/l	92
76) 1,2,3-Trichloropropane	13.74	75	142239	24.232	ug/l	98
77) Bromobenzene	13.68	156	194449	23.461	ug/l	95
78) n-propylbenzene	13.79	91	911458	25.807	ug/l	100
79) 2-Chlorotoluene	13.85	91	450898	22.291	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	597333	23.959	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.48	75	35415	21.372	ug/l #	82
82) 4-Chlorotoluene	13.95	91	588740	24.734	ug/l	85
83) tert-Butylbenzene	14.20	119	630055	22.483	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	578491	23.122	ug/l	93
85) sec-Butylbenzene	14.38	105	754965	24.572	ug/l	98
86) p-Isopropyltoluene	14.49	119	626802	22.834	ug/l	90
87) 1,3-Dichlorobenzene	14.47	146	318108	21.010	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	330204	22.196	ug/l	98
89) n-Butylbenzene	14.81	91	625331	25.380	ug/l	98
90) Hexachloroethane	15.02	117	176325	23.620	ug/l	81
91) 1,2-Dichlorobenzene	14.82	146	310949	24.937	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	20986	22.809	ug/l	95

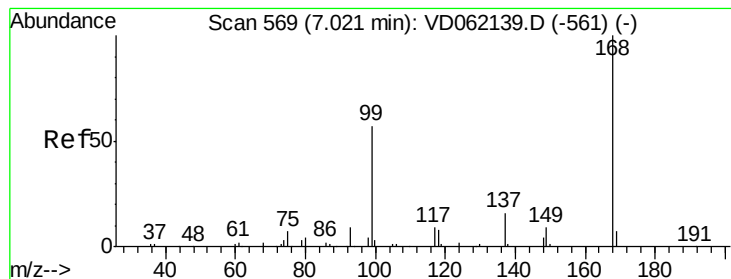
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051219\
Data File : VD062255.D
Acq On : 12 May 2019 13:29
Operator : FY/SY
Sample : VD0512SBSD01
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Quant Time: May 13 01:31:57 2019
Quant Method : Z:\V0ASRV\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	220280	24.271	ug/l	92
94) Hexachlorobutadiene	16.05	225	164377	24.351	ug/l	99
95) Naphthalene	16.13	128	255248	20.144	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	159142	27.889	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

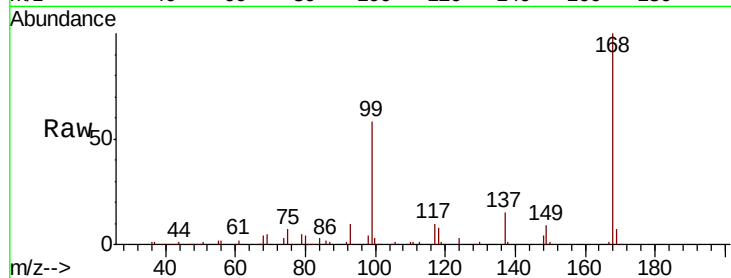
VD0512SBSD01

Tot Ion:168 Resp: 879262

Ion Ratio Lower Upper

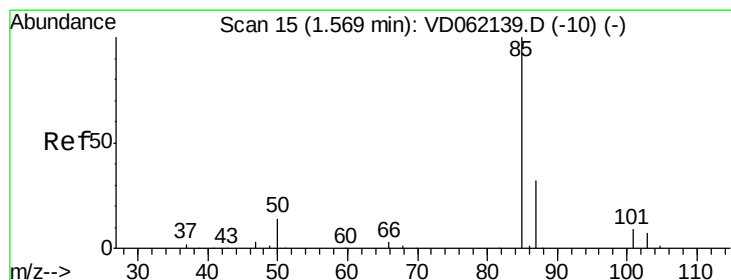
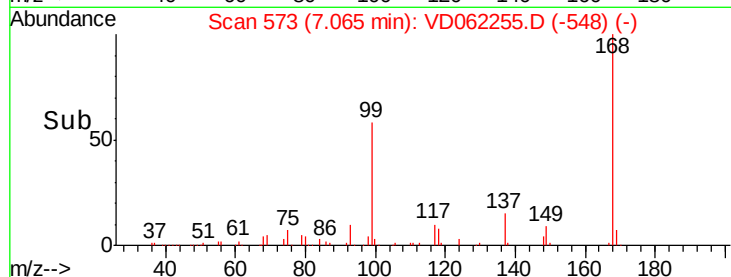
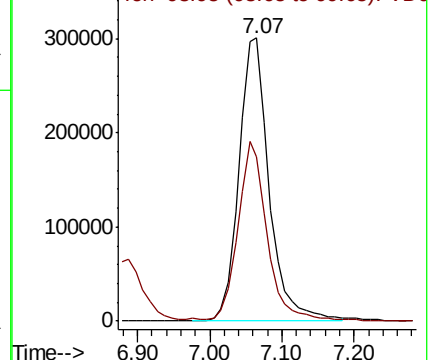
168 100

99 58.1 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: 19.735 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062255.D

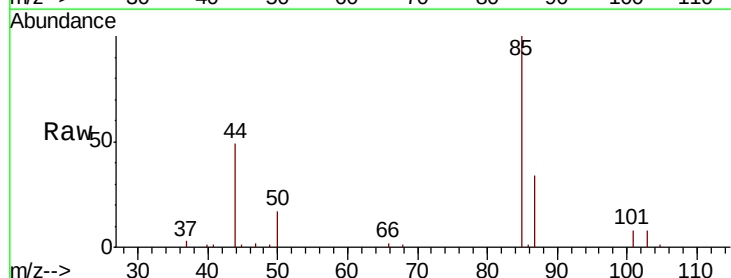
Acq: 12 May 2019 13:29

Tgt Ion: 85 Resp: 165962

Ion Ratio Lower Upper

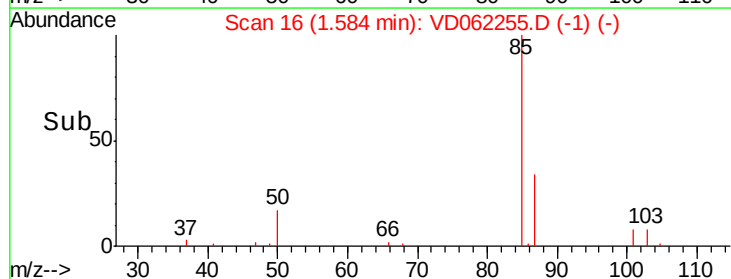
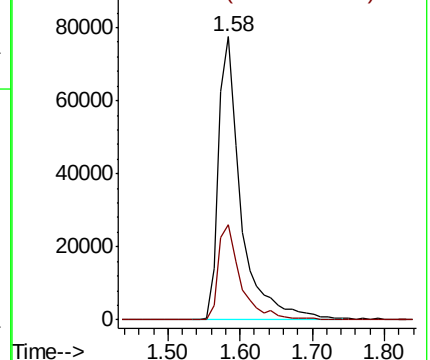
85 100

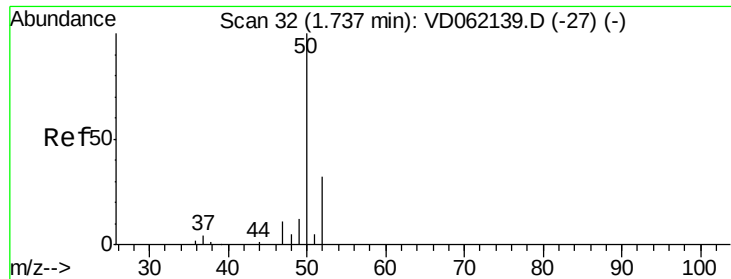
87 33.6 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.796 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

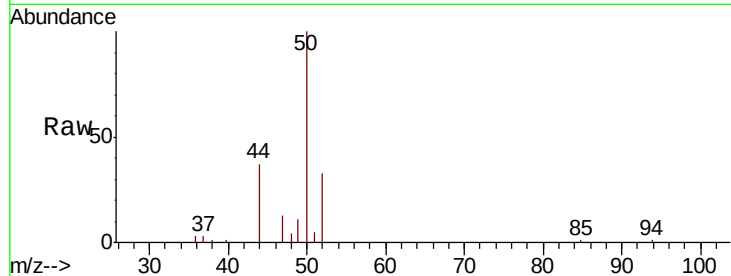
VD0512SBS01

Tot Ion: 50 Resp: 126367

Ion Ratio Lower Upper

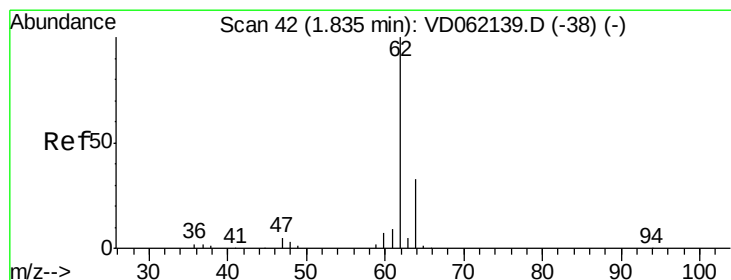
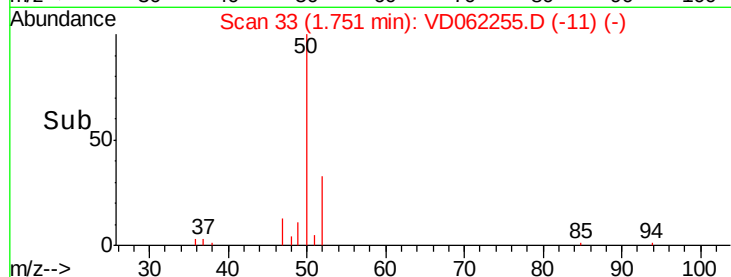
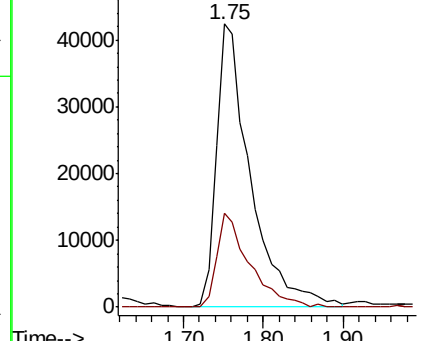
50 100

52 33.0 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: 21.282 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062255.D

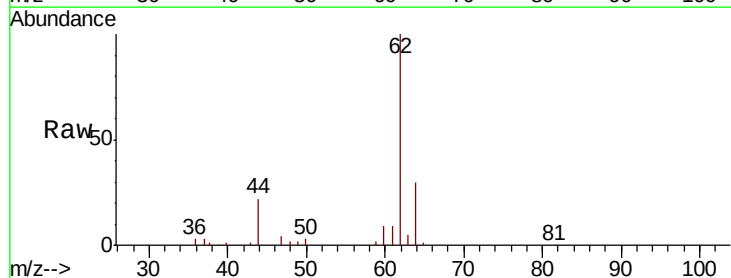
Acq: 12 May 2019 13:29

Tgt Ion: 62 Resp: 127090

Ion Ratio Lower Upper

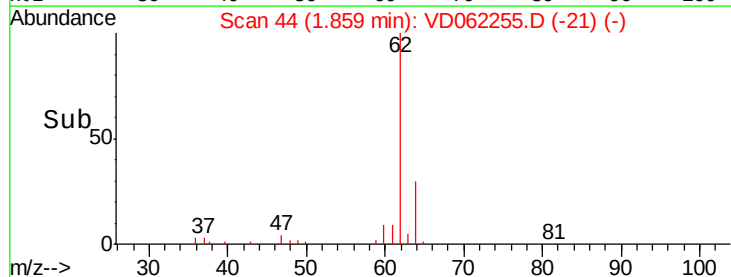
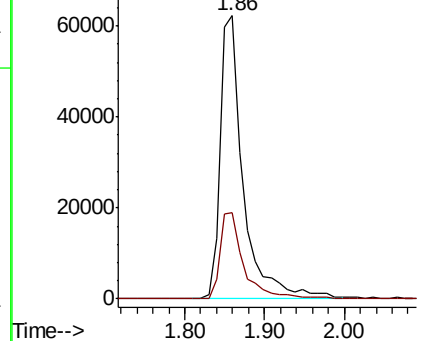
62 100

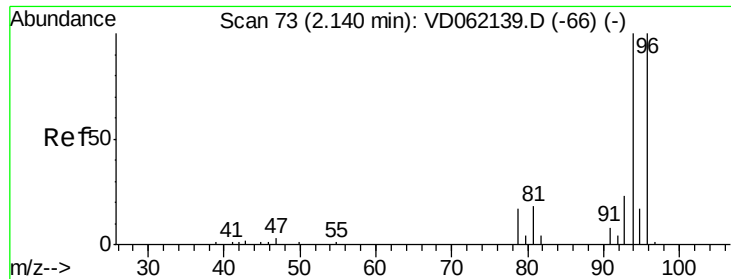
64 30.5 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 27.245 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

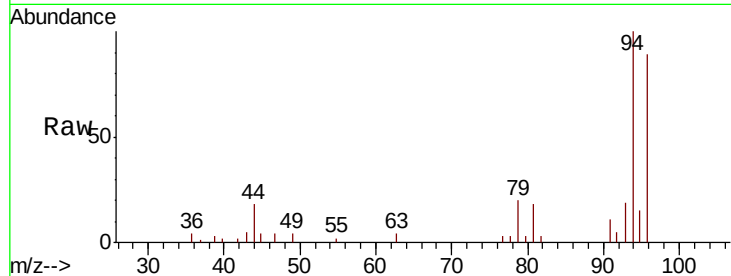
Tot Ion: 94 Resp: 38124

Ion Ratio Lower Upper

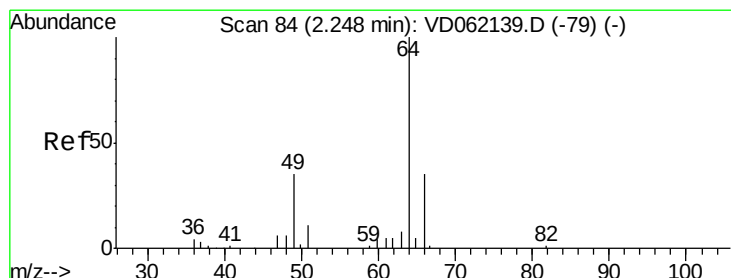
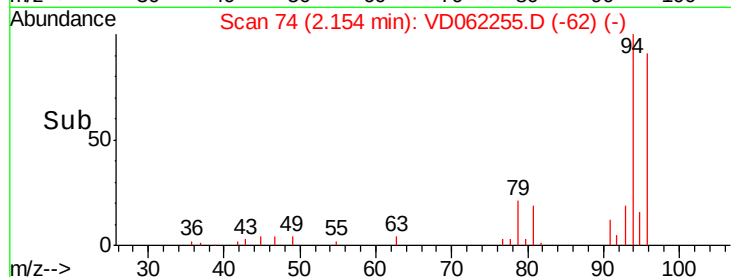
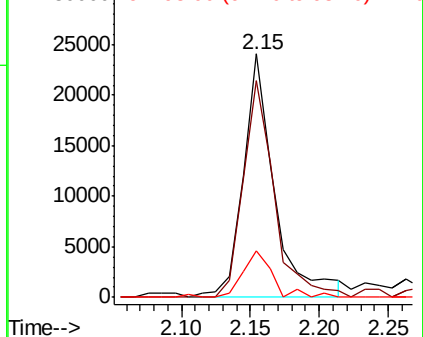
94 100

96 89.2 76.6 115.0

93 18.9 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: 23.871 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062255.D

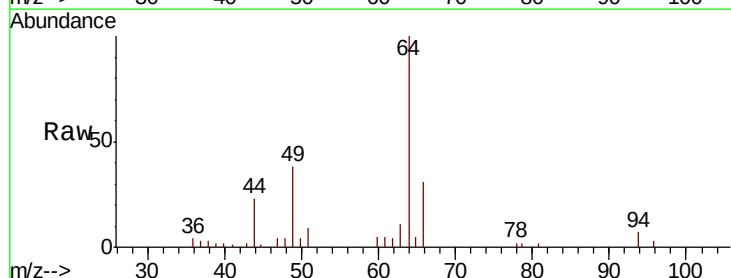
Acq: 12 May 2019 13:29

Tgt Ion: 64 Resp: 59816

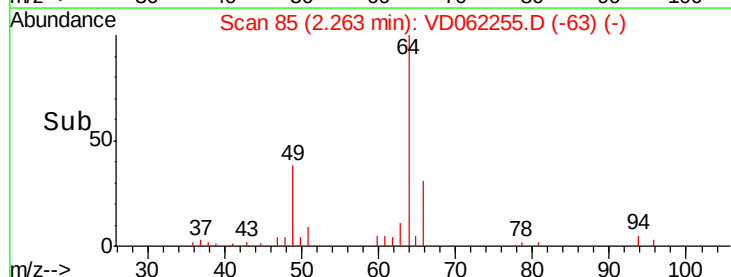
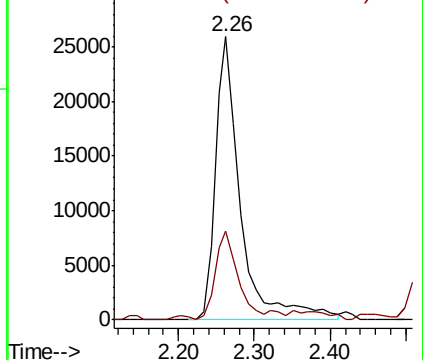
Ion Ratio Lower Upper

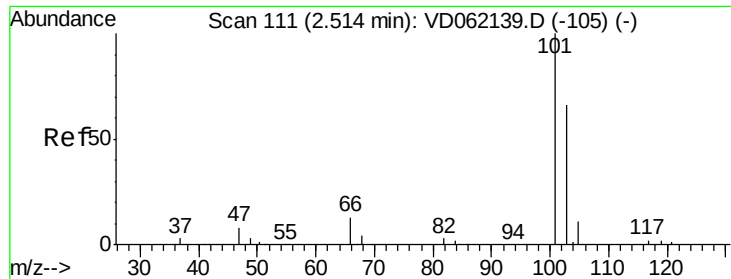
64 100

66 31.2 25.6 38.4



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



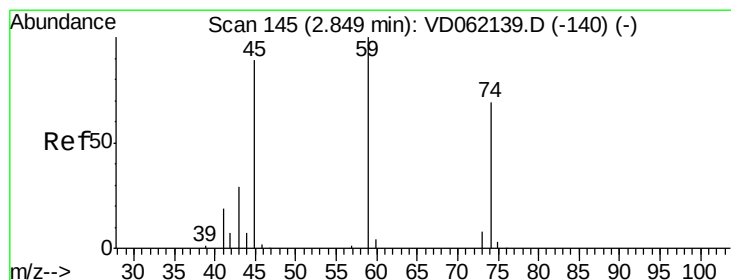
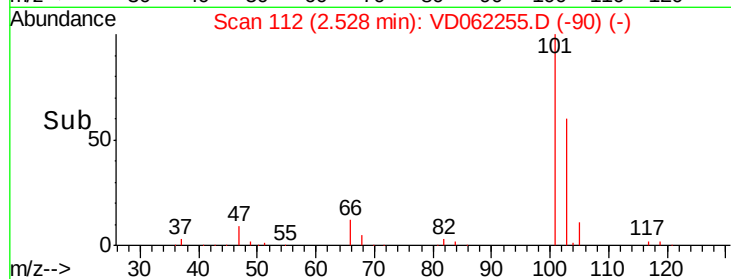
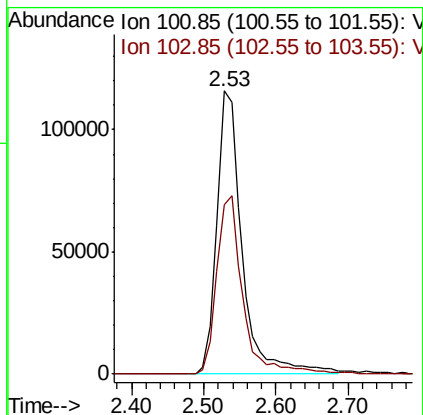
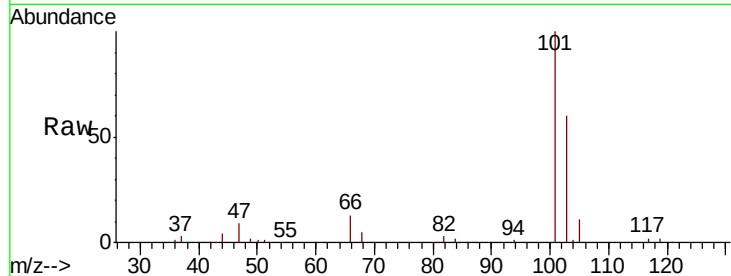


#7

Trichlorofluoromethane
Concen: 24.138 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

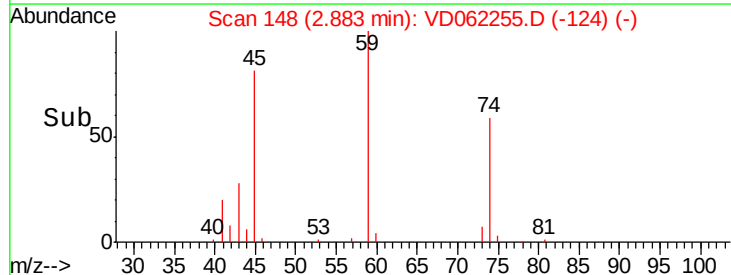
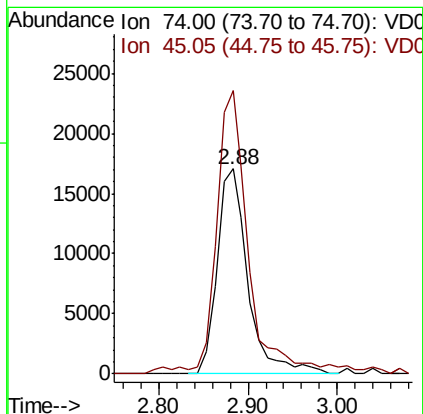
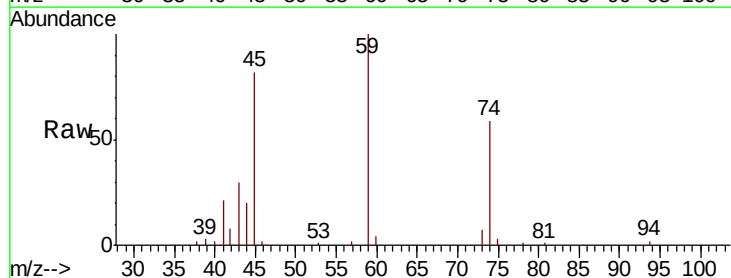
Tot Ion:101 Resp: 280241
Ion Ratio Lower Upper
101 100
103 60.0 53.6 80.4

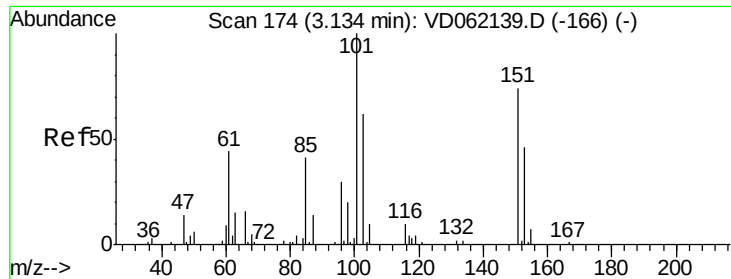


#8

Diethyl Ether
Concen: 18.419 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 74 Resp: 41243
Ion Ratio Lower Upper
74 100
45 142.1 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.152 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

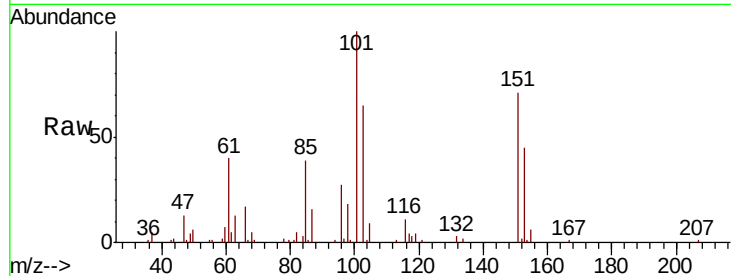
Tot Ion:101 Resp: 203337

Ion Ratio Lower Upper

101 100

85 40.0 32.4 48.6

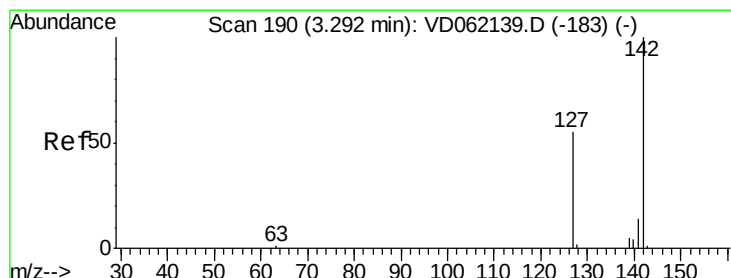
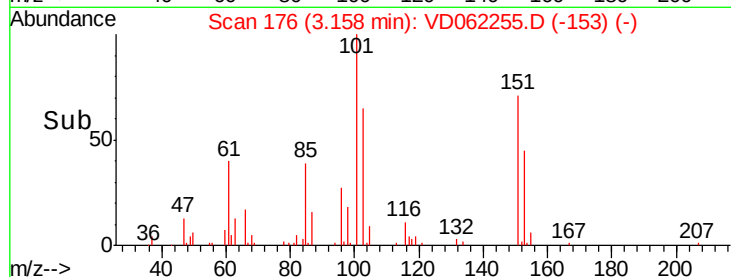
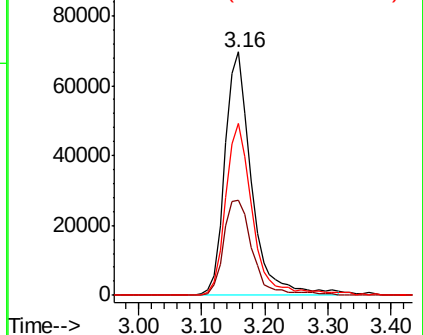
151 70.6 59.4 89.0



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: 15.946 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

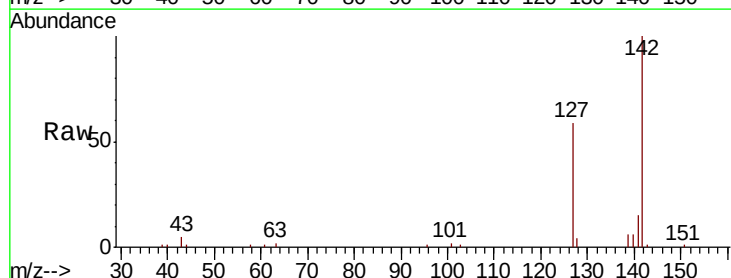
Tgt Ion:142 Resp: 211660

Ion Ratio Lower Upper

142 100

127 59.5 38.8 58.2#

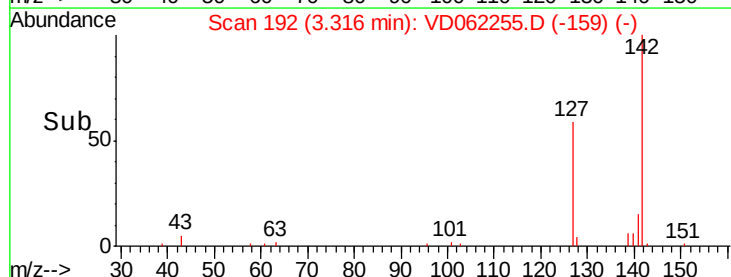
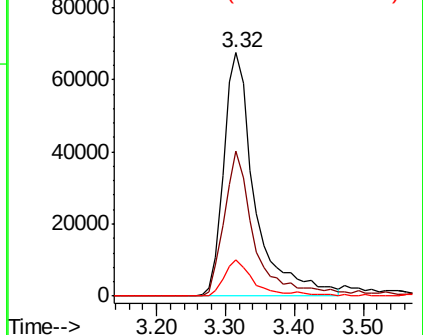
141 15.0 11.4 17.0

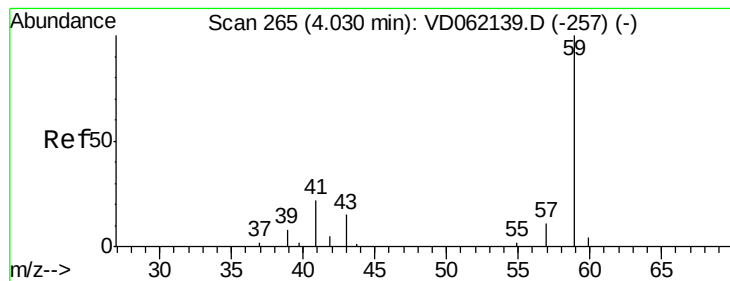


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 99.523 ug/l

RT: 4.09 min Scan# 271

Delta R.T. 0.06 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

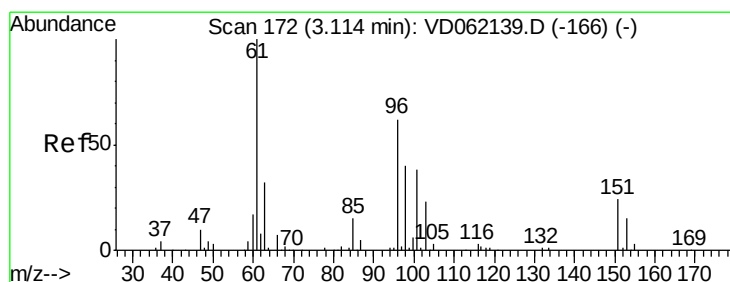
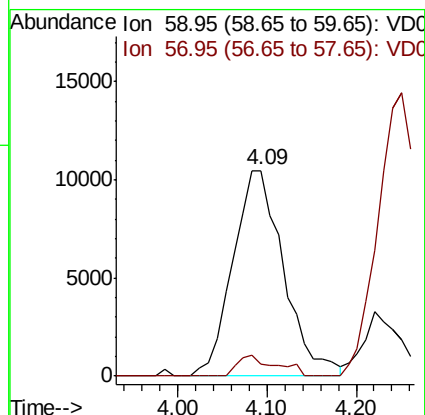
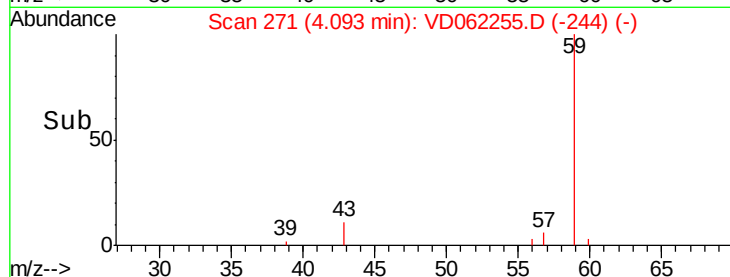
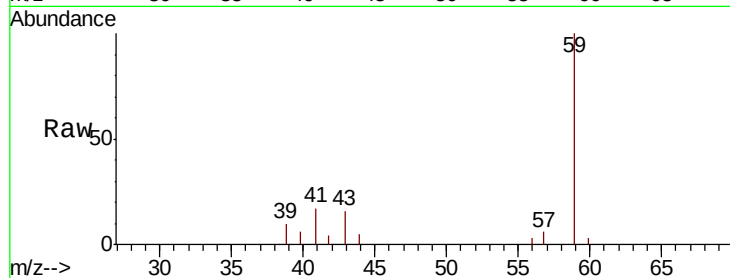
VD0512SBS01

Tot Ion: 59 Resp: 41510

Ion Ratio Lower Upper

59 100

57 6.1 6.9 10.3#



#12

1,1-Dichloroethene

Concen: 21.698 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

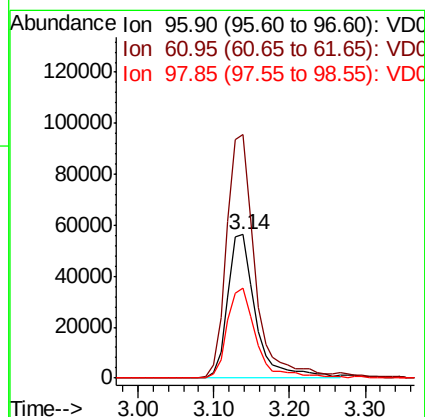
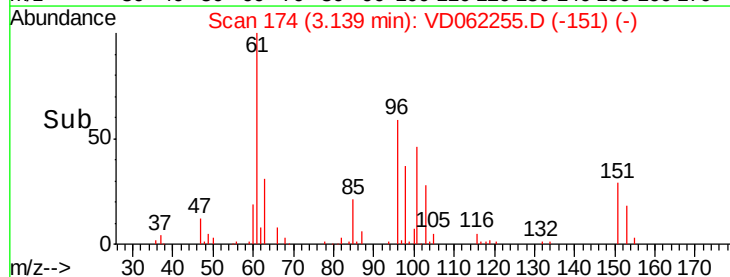
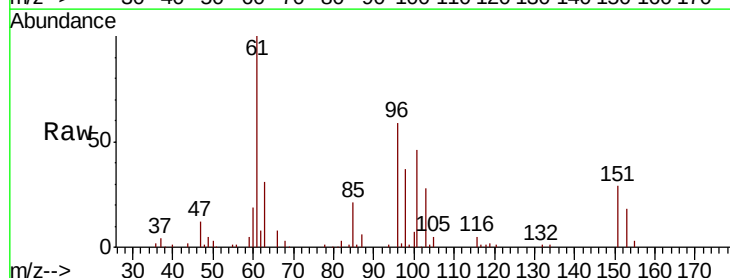
Tgt Ion: 96 Resp: 145470

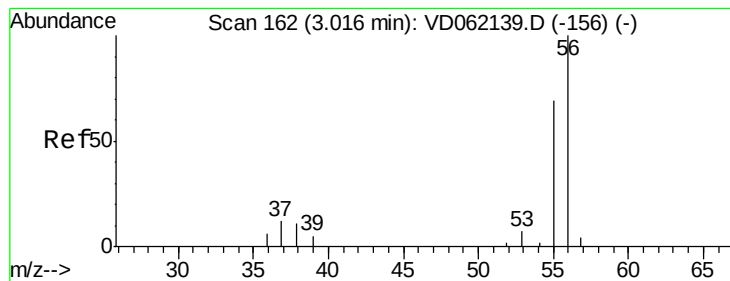
Ion Ratio Lower Upper

96 100

61 169.6 129.8 194.8

98 62.4 51.2 76.8





#13

Acrolein

Concen: 86.199 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

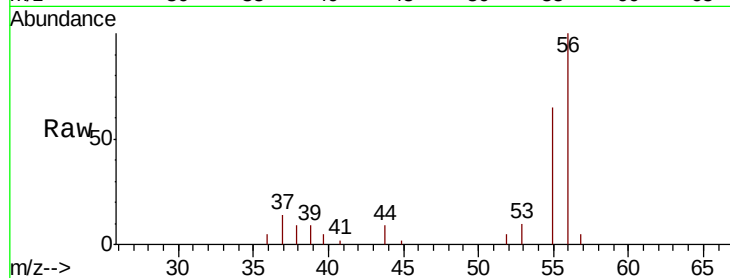
VD0512SBS01

Tot Ion: 56 Resp: 37186

Ion Ratio Lower Upper

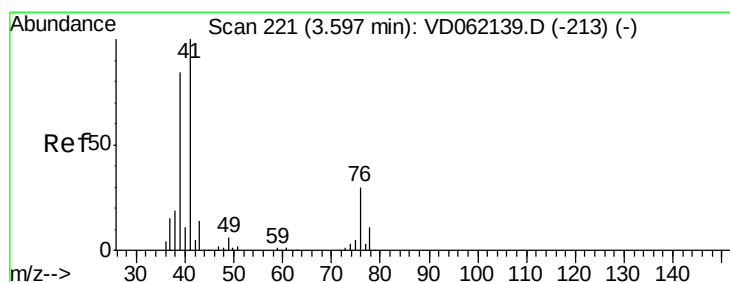
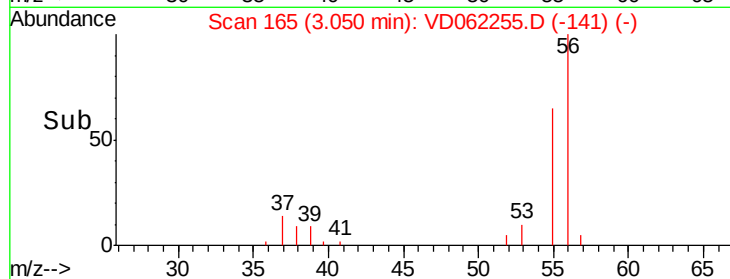
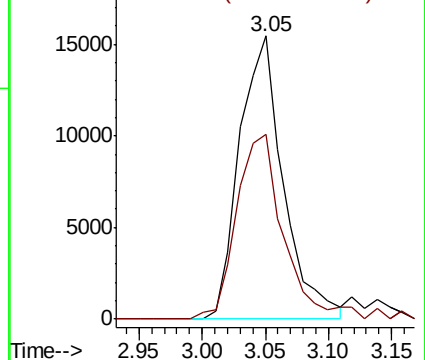
56 100

55 65.3 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: 22.440 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

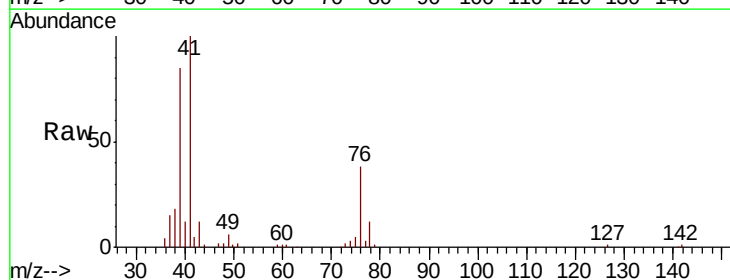
Tgt Ion: 41 Resp: 218739

Ion Ratio Lower Upper

41 100

39 85.4 60.5 90.7

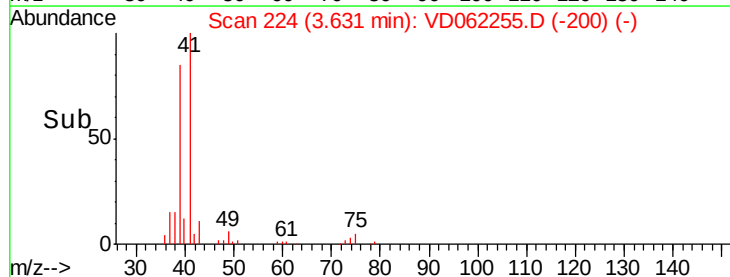
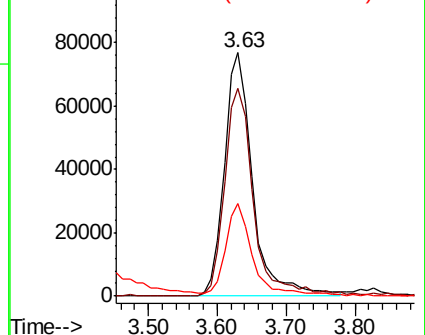
76 38.3 31.8 47.8

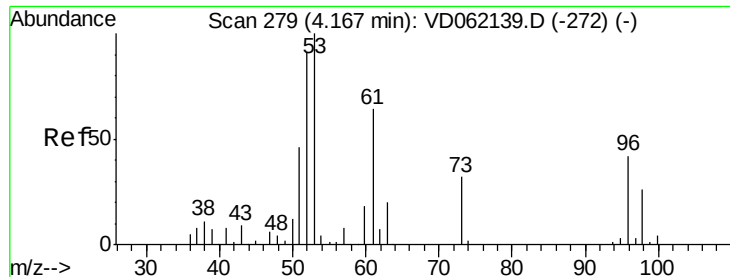


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 104.757 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

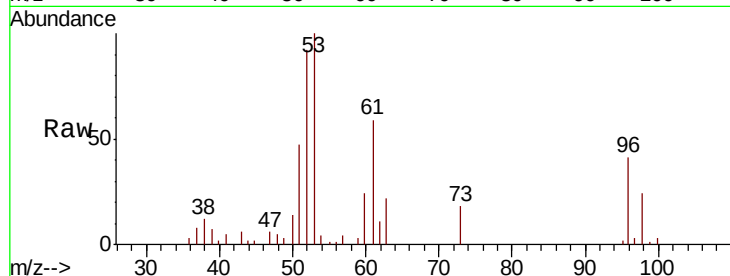
Tot Ion: 53 Resp: 114845

Ion Ratio Lower Upper

53 100

52 91.7 65.0 97.4

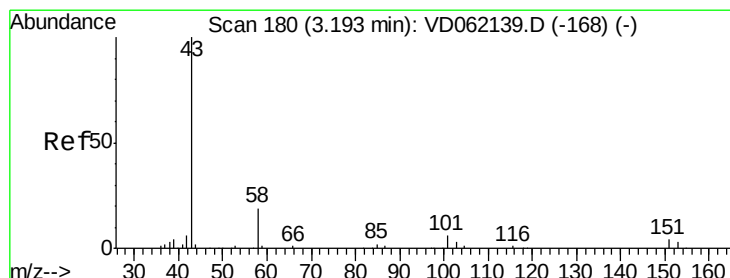
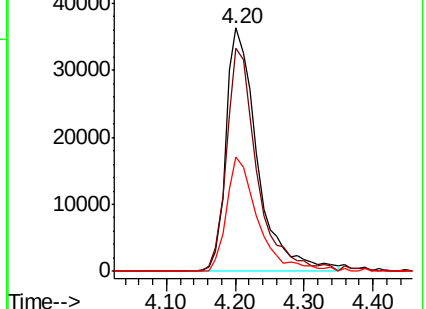
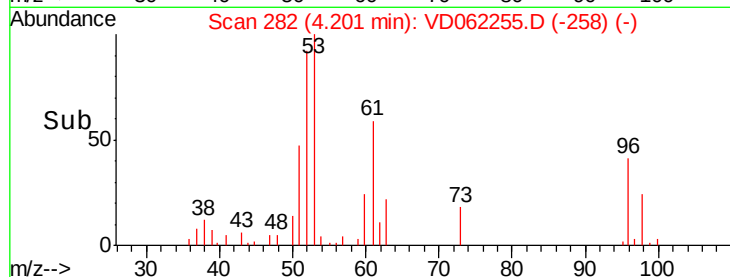
51 46.9 32.6 48.8



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: 112.031 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062255.D

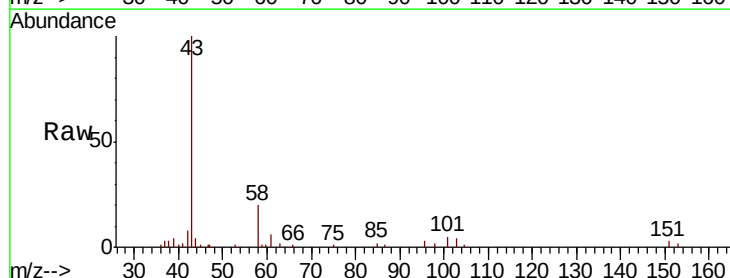
Acq: 12 May 2019 13:29

Tgt Ion: 43 Resp: 191972

Ion Ratio Lower Upper

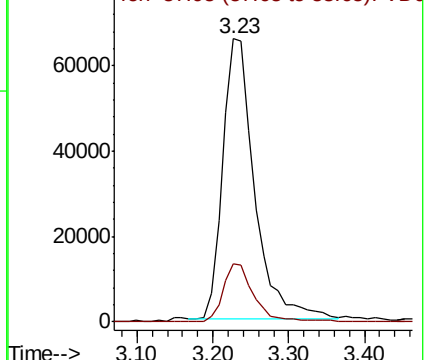
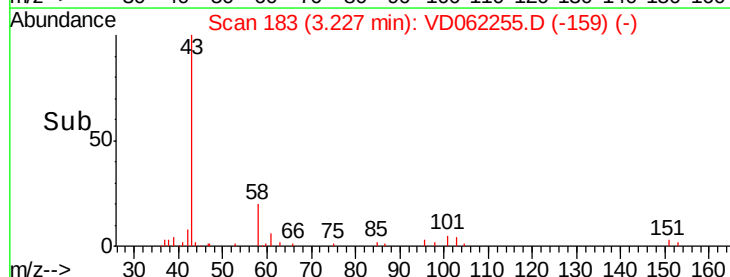
43 100

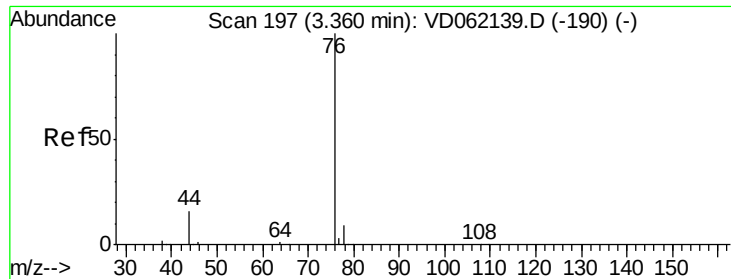
58 20.4 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

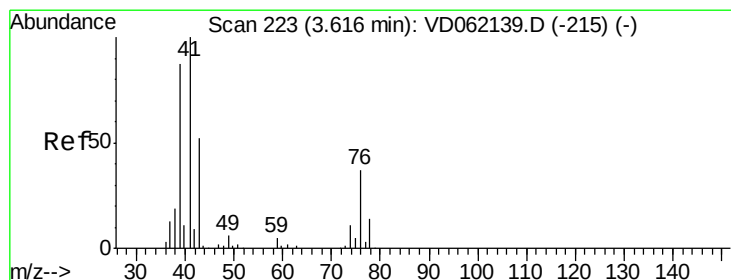
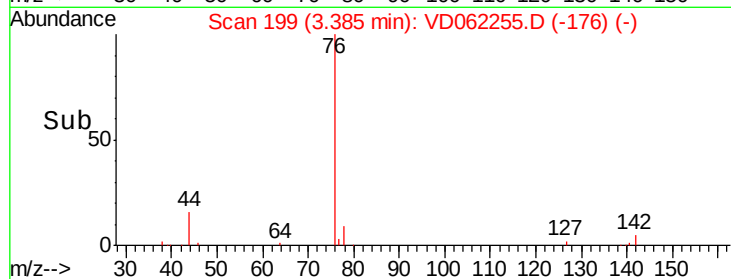
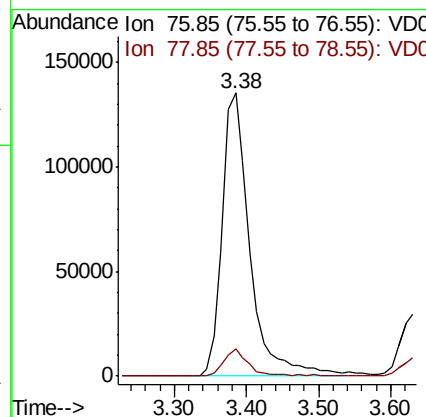
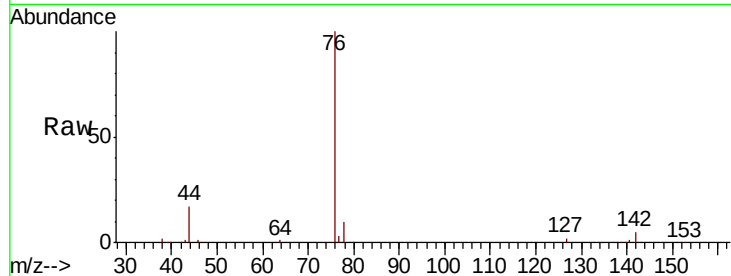




#17
Carbon Disulfide
Concen: 18.525 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

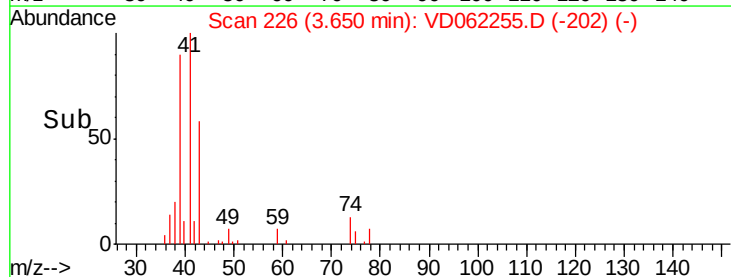
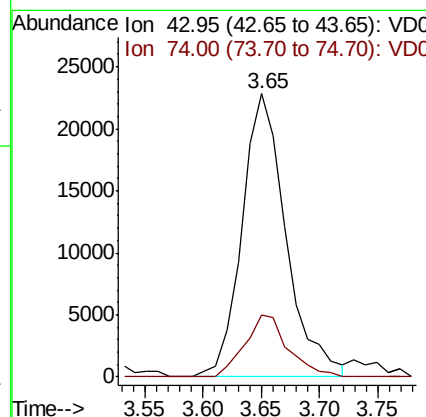
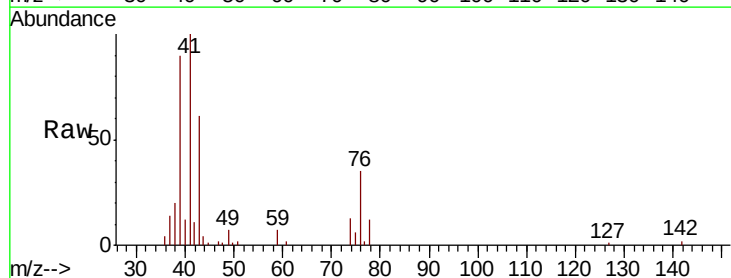
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

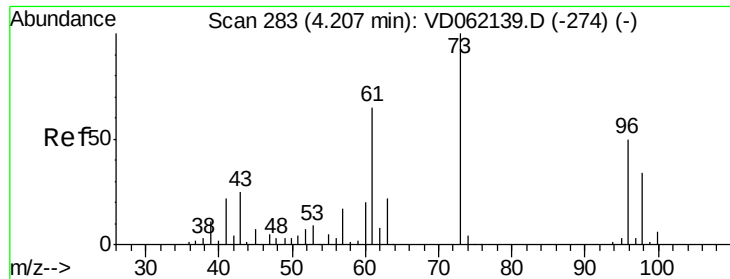
Tot Ion: 76 Resp: 357271
Ion Ratio Lower Upper
76 100
78 9.8 7.2 10.8



#18
Methyl Acetate
Concen: 19.273 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 43 Resp: 59638
Ion Ratio Lower Upper
43 100
74 21.8 18.0 27.0

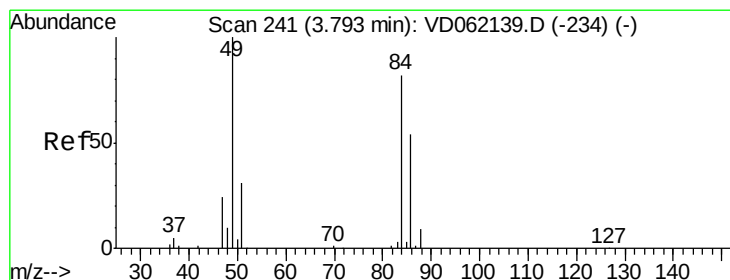
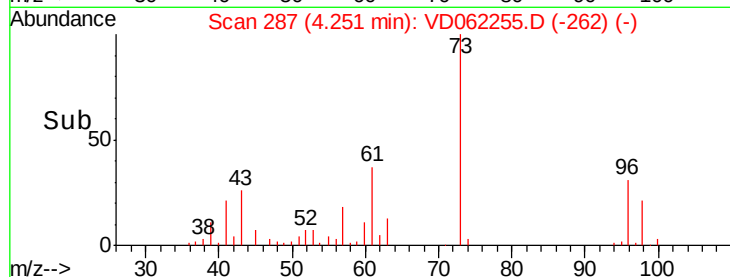
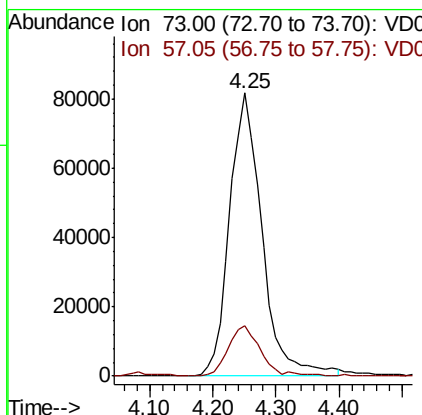
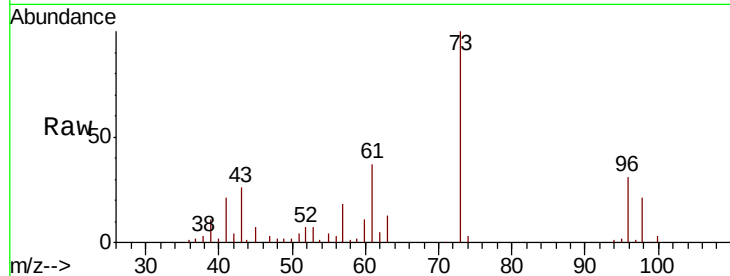




#19
Methyl tert-butyl Ether
Concen: 20.283 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

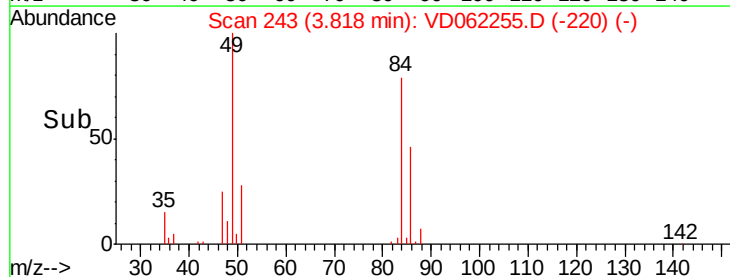
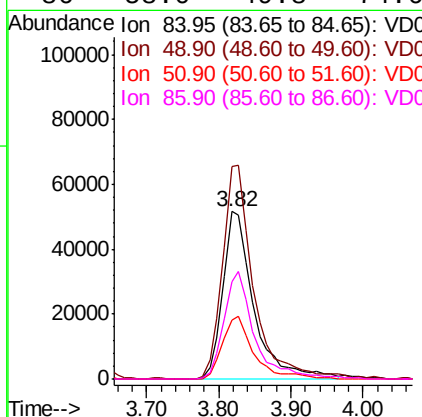
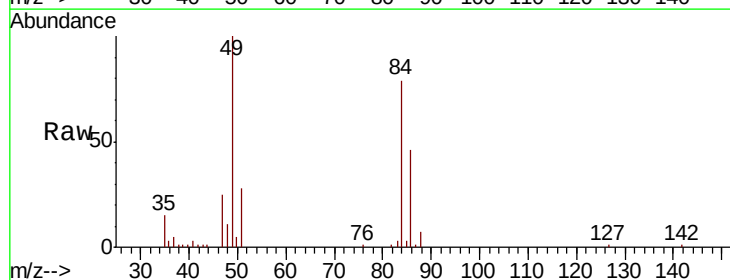
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS01

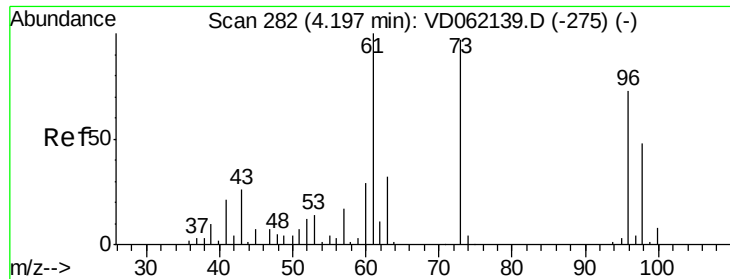
Tot Ion: 73 Resp: 291475
Ion Ratio Lower Upper
73 100
57 17.7 16.3 24.5



#20
Methylene Chloride
Concen: 21.479 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 84 Resp: 153674
Ion Ratio Lower Upper
84 100
49 127.3 94.0 141.0
51 35.1 29.0 43.4
86 58.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.879 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS01

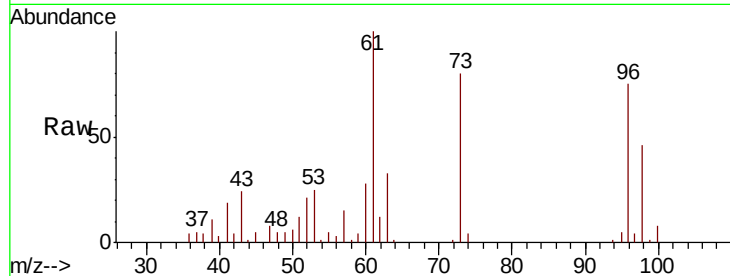
Tot Ion: 96 Resp: 148301

Ion Ratio Lower Upper

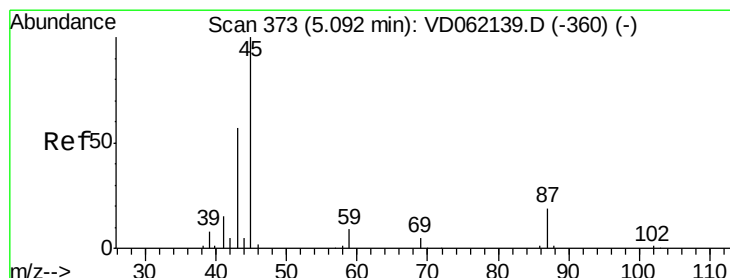
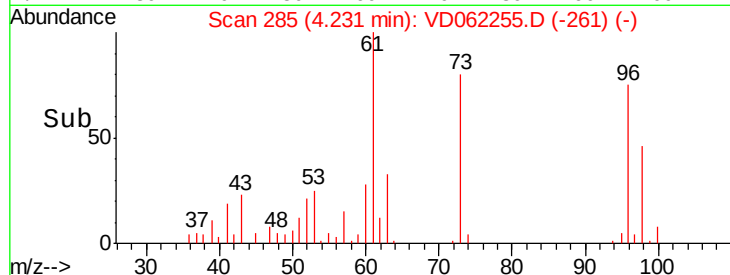
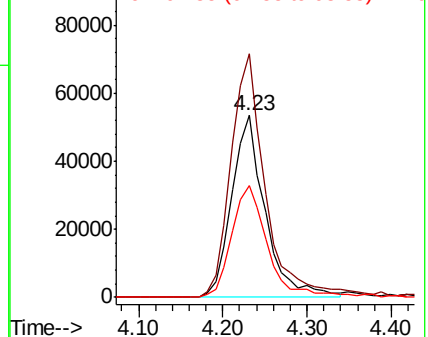
96 100

61 134.1 104.4 156.6

98 61.3 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



#22

Diisopropyl ether

Concen: 23.282 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Tgt Ion: 45 Resp: 482951

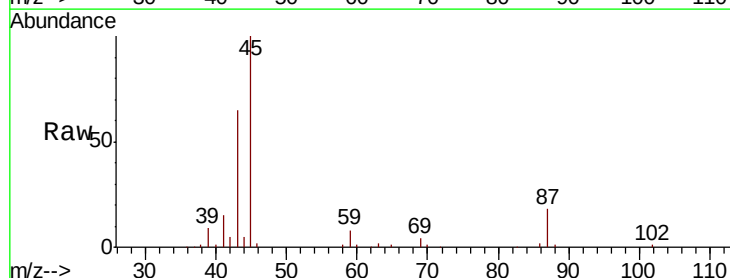
Ion Ratio Lower Upper

45 100

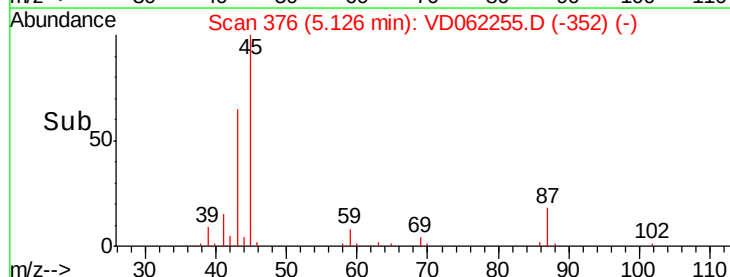
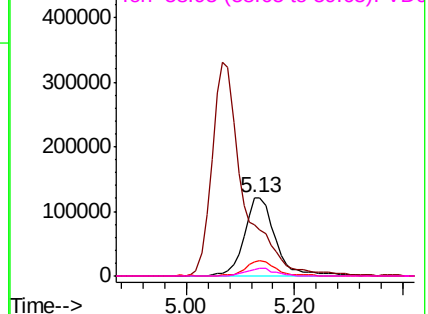
43 65.0 46.2 69.2

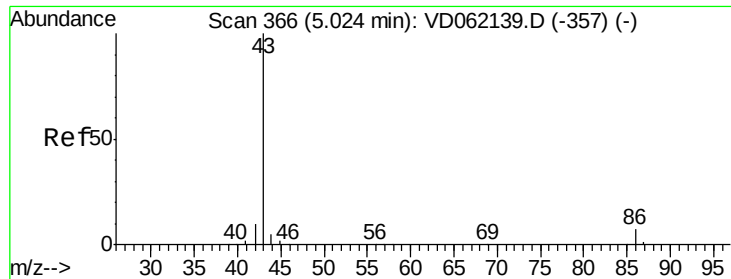
87 18.2 15.9 23.9

59 8.3 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

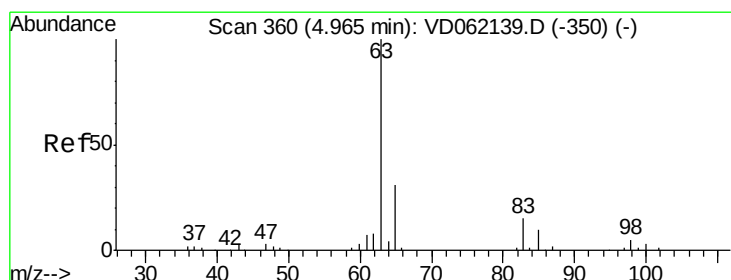
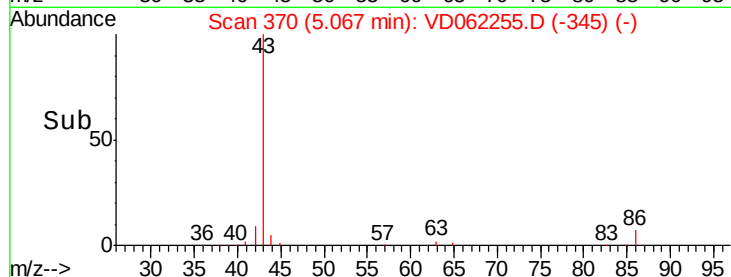
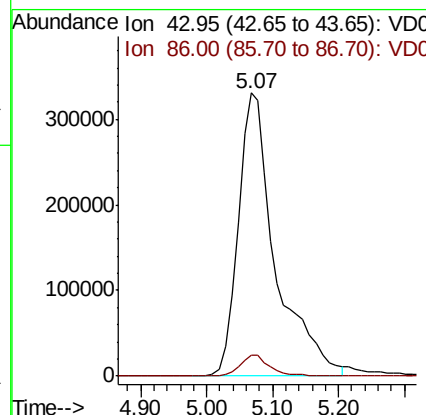
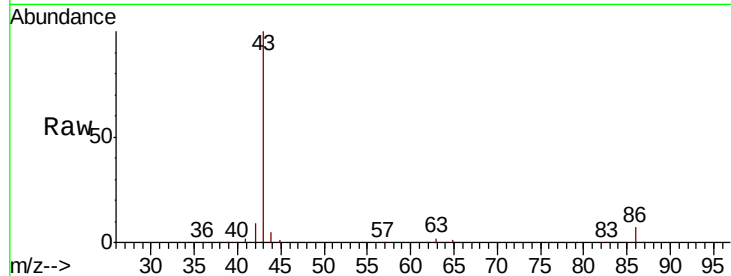




#23
 Vinyl Acetate
 Concen: 119.319 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.04 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

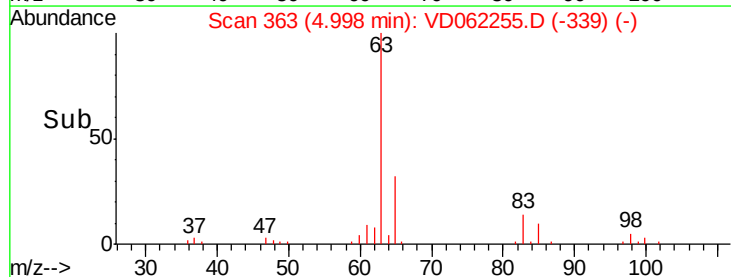
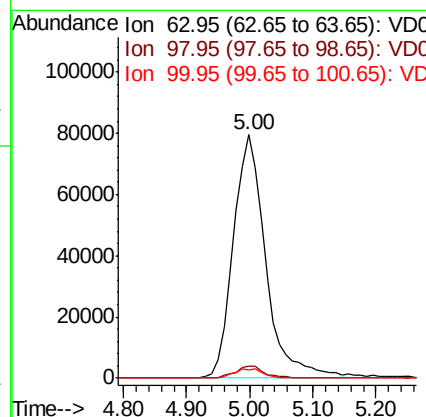
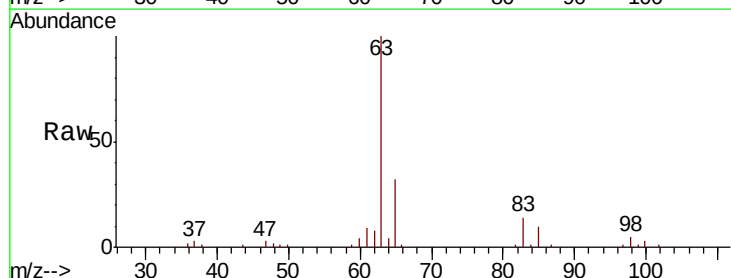
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

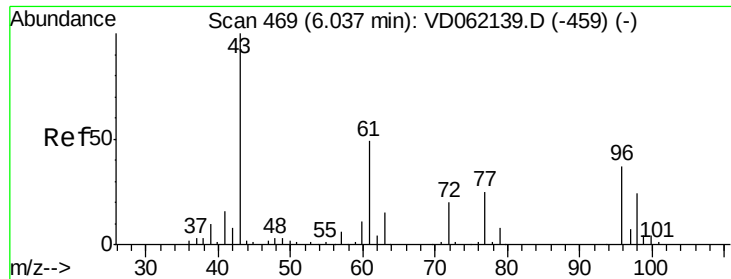
Tot Ion: 43 Resp: 1305872
 Ion Ratio Lower Upper
 43 100
 86 7.4 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 22.593 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.03 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion: 63 Resp: 282719
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.8 8.4
 100 3.3 1.8 5.5





#25

2-Butanone

Concen: 113.229 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

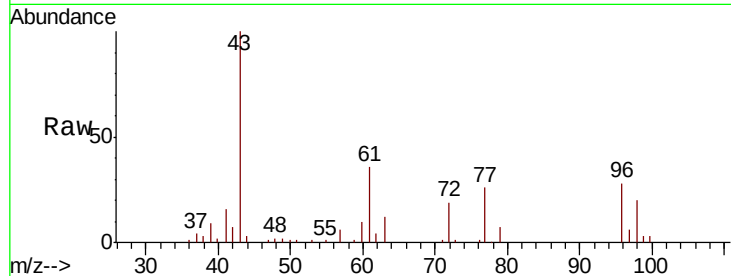
VD0512SBSD01

Tot Ion: 43 Resp: 211635

Ion Ratio Lower Upper

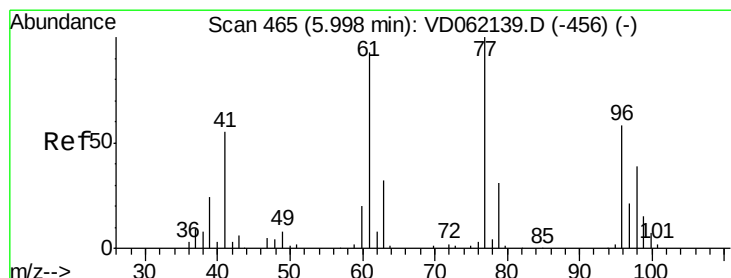
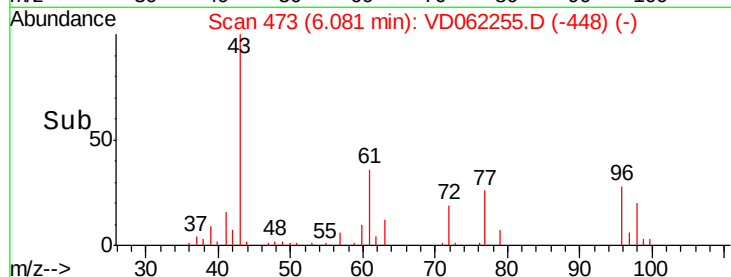
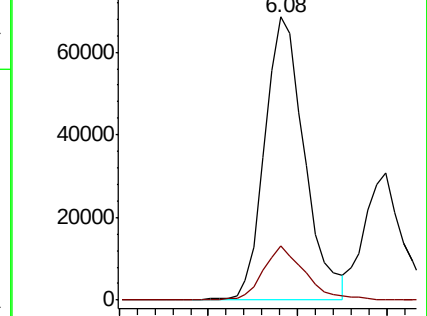
43 100

72 19.0 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: 23.684 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062255.D

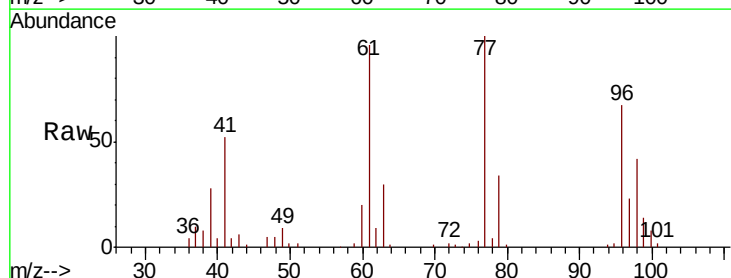
Acq: 12 May 2019 13:29

Tgt Ion: 77 Resp: 295227

Ion Ratio Lower Upper

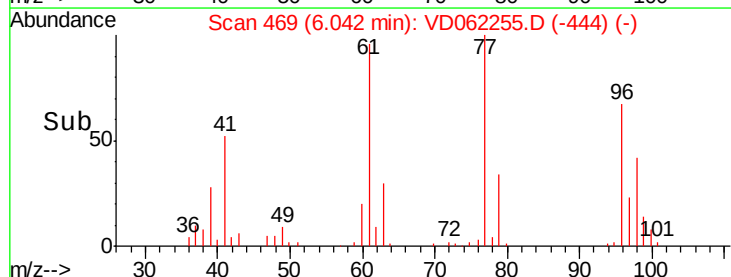
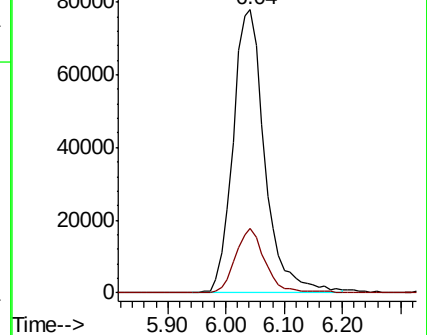
77 100

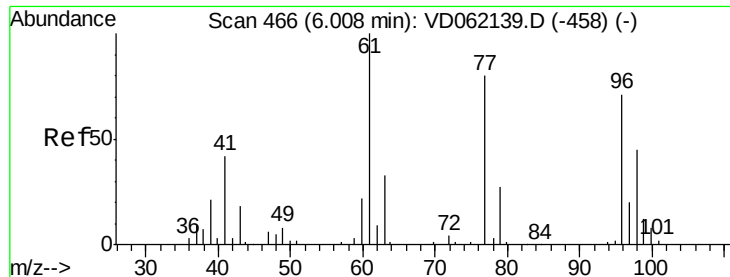
97 22.7 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



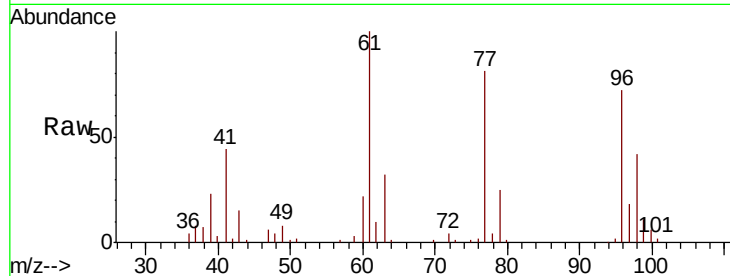


#27

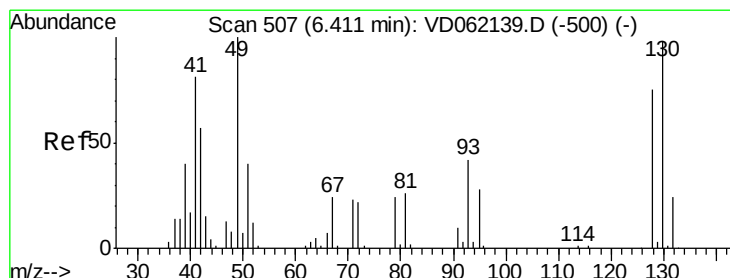
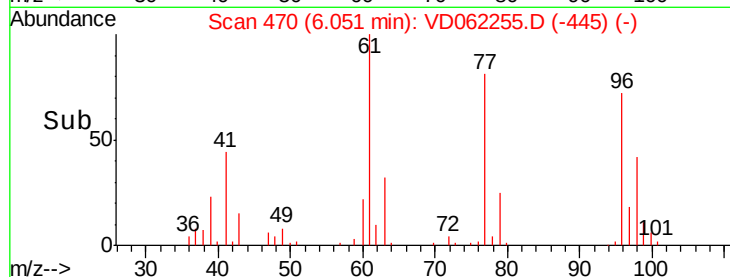
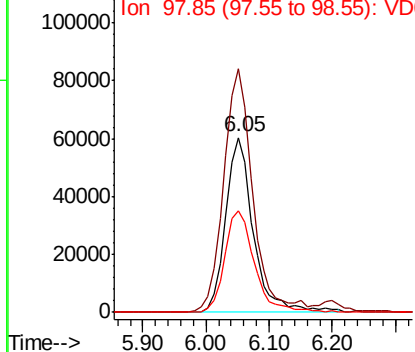
cis-1,2-Dichloroethene
Concen: 21.855 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Tot Ion: 96 Resp: 182501
Ion Ratio Lower Upper
96 100
61 139.4 0.0 279.8
98 58.1 0.0 136.0



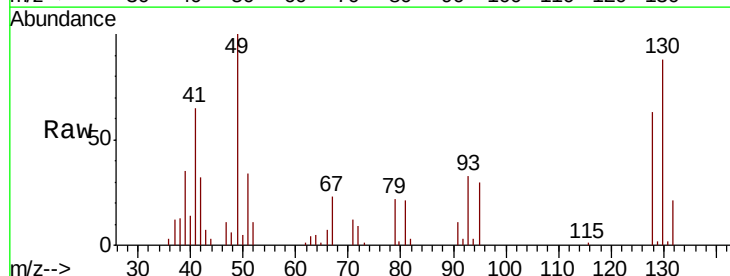
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



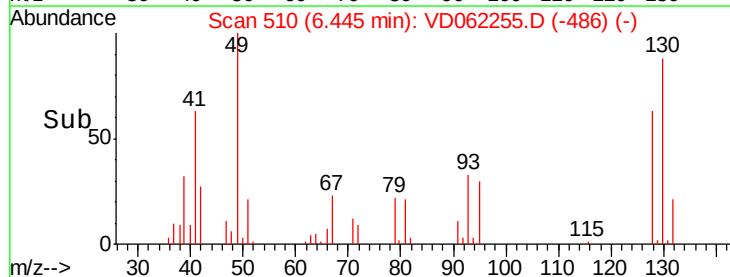
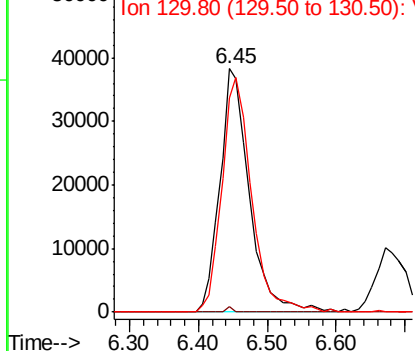
#28

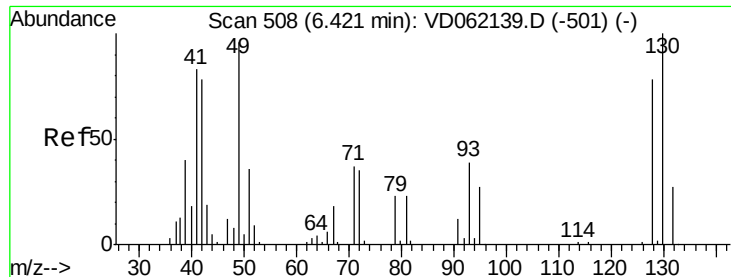
Bromochloromethane
Concen: 23.123 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 49 Resp: 113844
Ion Ratio Lower Upper
49 100
129 2.2 0.0 6.6
130 88.2 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

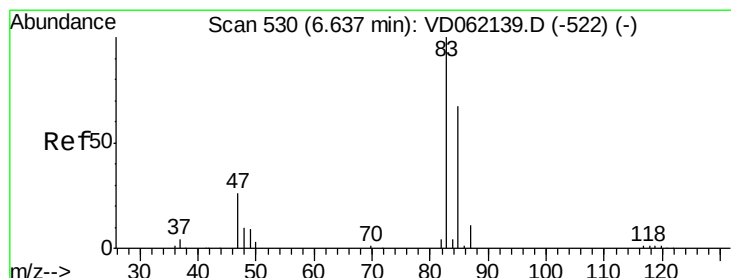
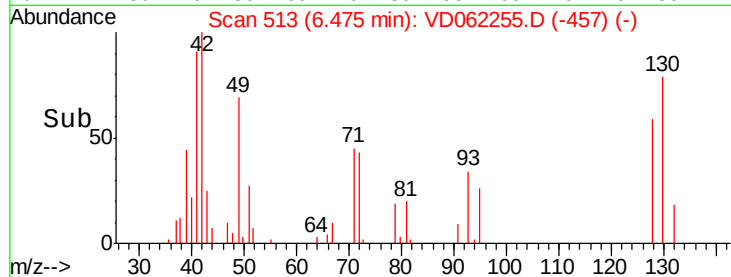
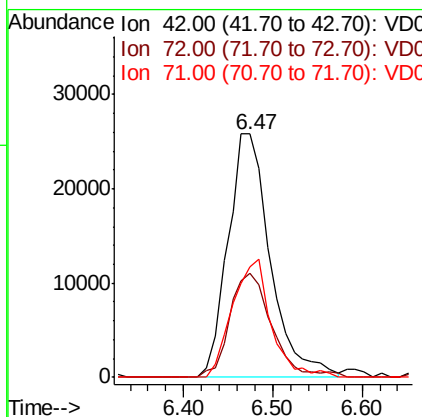
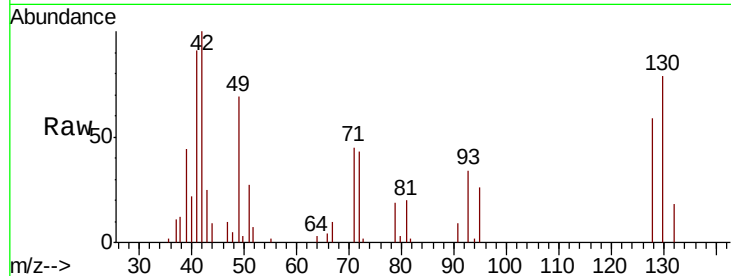




#29
Tetrahydrofuran
Concen: 99.357 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

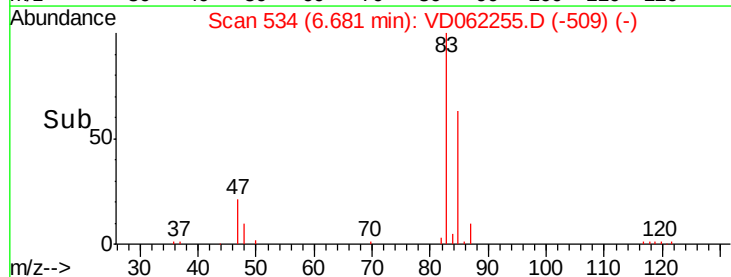
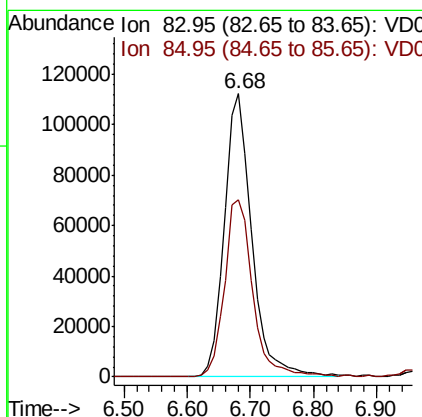
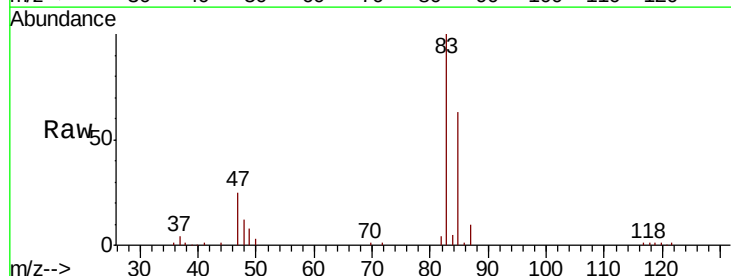
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

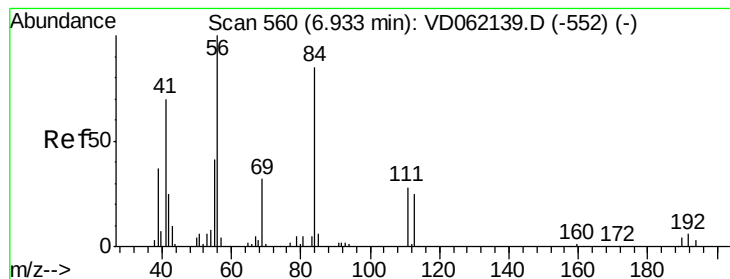
Tot Ion: 42 Resp: 85566
Ion Ratio Lower Upper
42 100
72 42.5 37.8 56.6
71 44.2 36.7 55.1



#30
Chloroform
Concen: 22.449 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.04 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 83 Resp: 338562
Ion Ratio Lower Upper
83 100
85 62.8 51.7 77.5





#31

Cyclohexane

Concen: 19.405 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

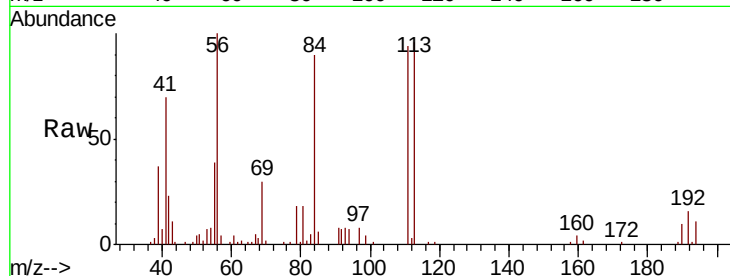
Tot Ion: 56 Resp: 166366

Ion Ratio Lower Upper

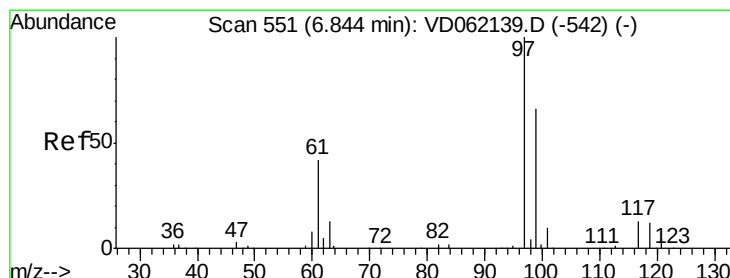
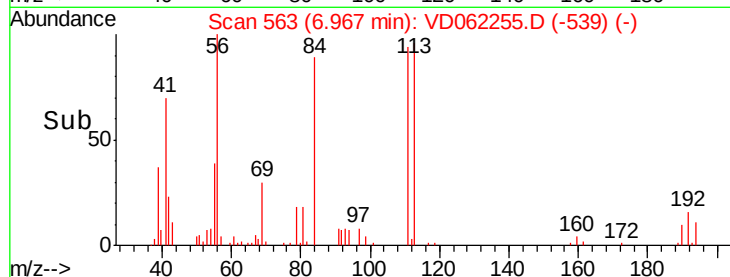
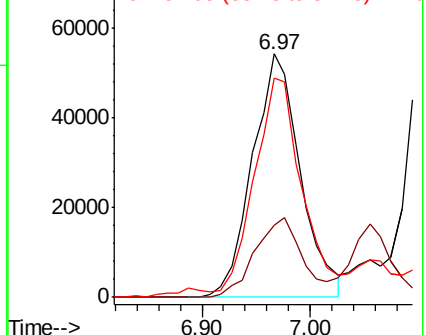
56 100

69 29.8 25.8 38.6

84 90.0 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 23.261 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.04 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

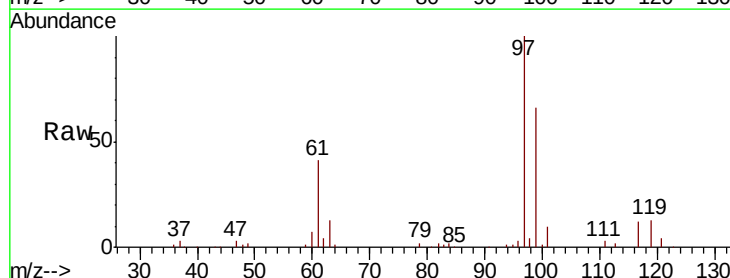
Tgt Ion: 97 Resp: 331577

Ion Ratio Lower Upper

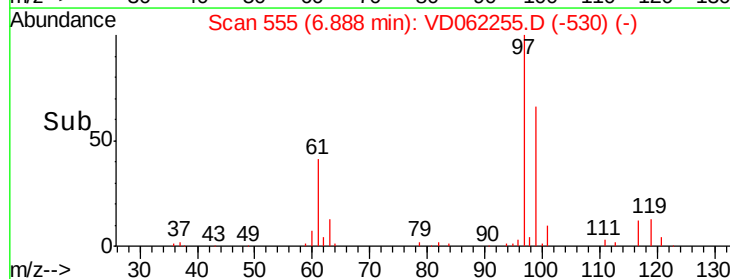
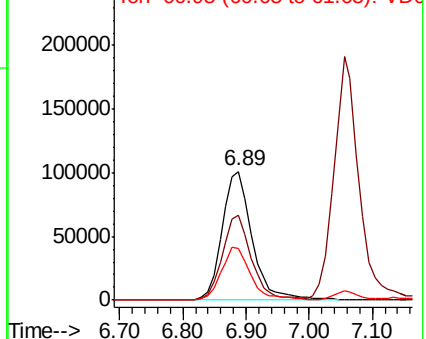
97 100

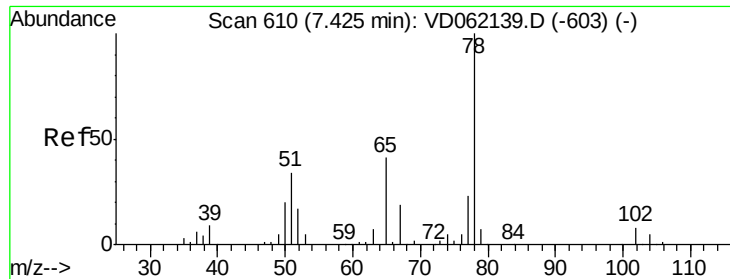
99 65.7 52.2 78.2

61 40.5 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

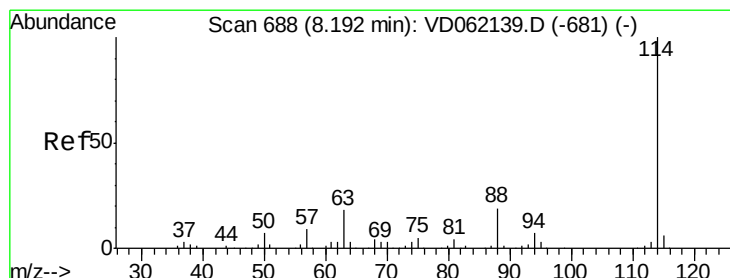
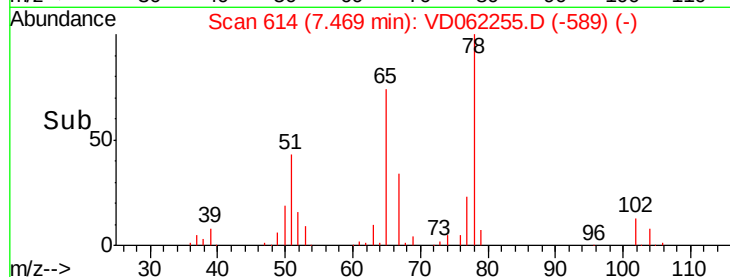
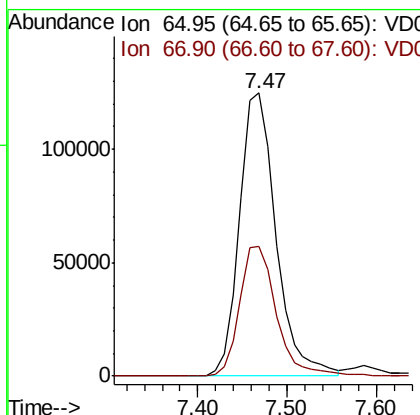
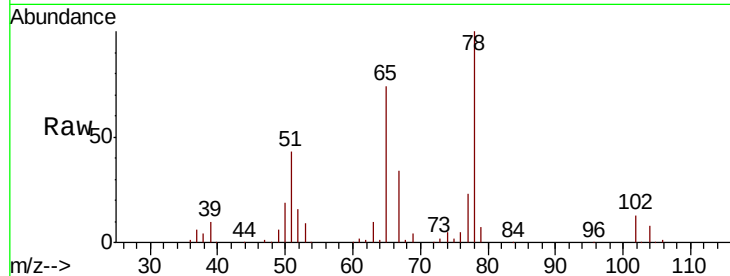




#33
 1,2-Dichloroethane-d4
 Concen: 43.406 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.04 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

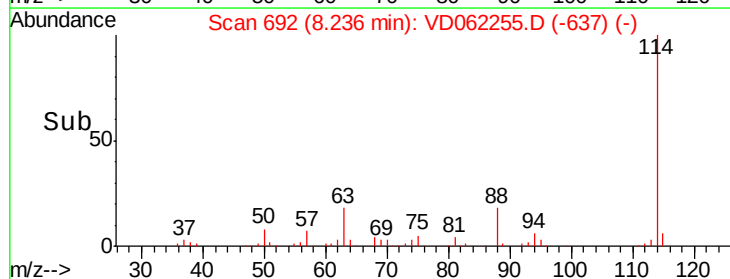
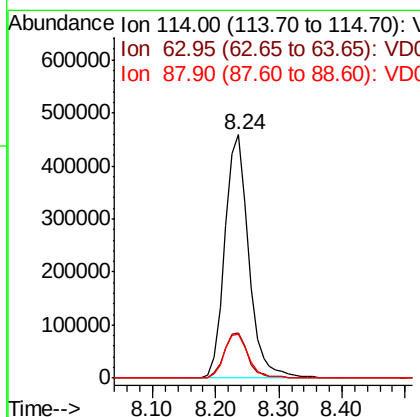
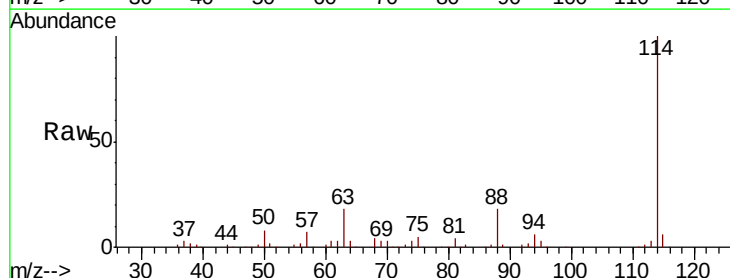
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

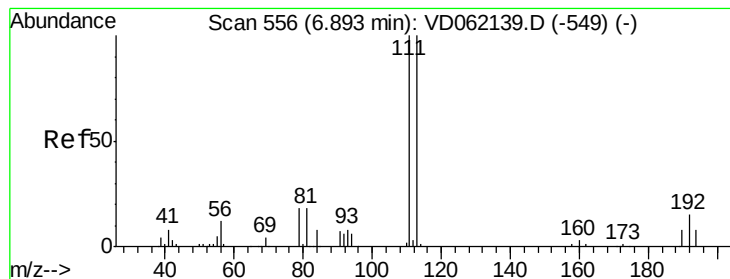
Tot Ion: 65 Resp: 354674
 Ion Ratio Lower Upper
 65 100
 67 45.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion: 114 Resp: 1206311
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 32.4
 88 18.2 0.0 33.6





#35

Dibromofluoromethane

Concen: 44.846 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

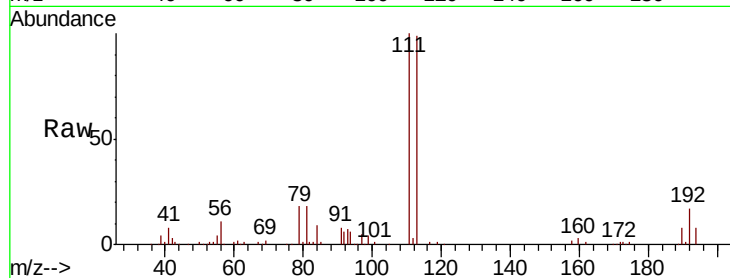
Tot Ion:113 Resp: 448858

Ion Ratio Lower Upper

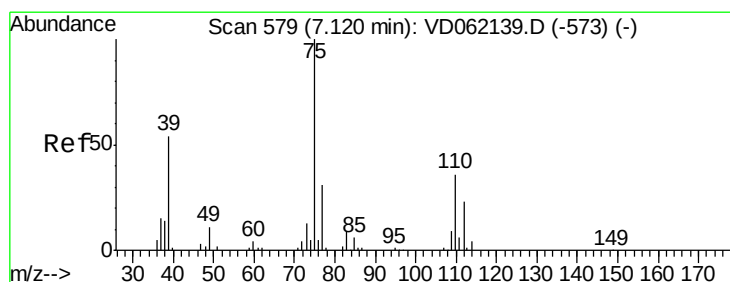
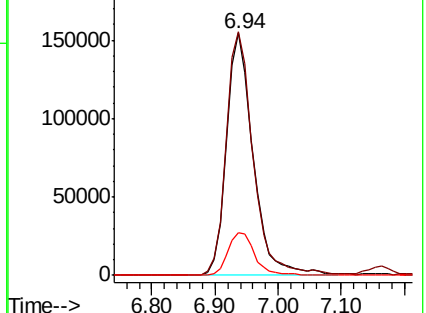
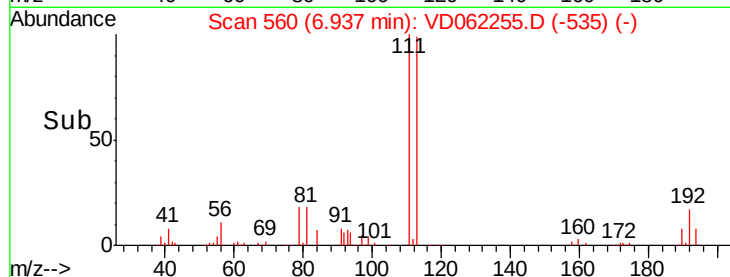
113 100

111 100.5 78.5 117.7

192 17.5 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: 23.845 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

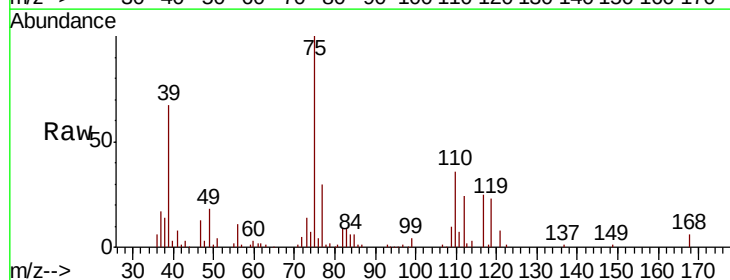
Tgt Ion: 75 Resp: 235843

Ion Ratio Lower Upper

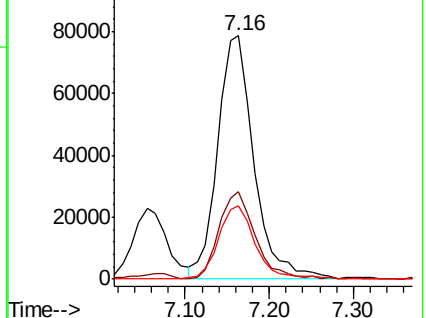
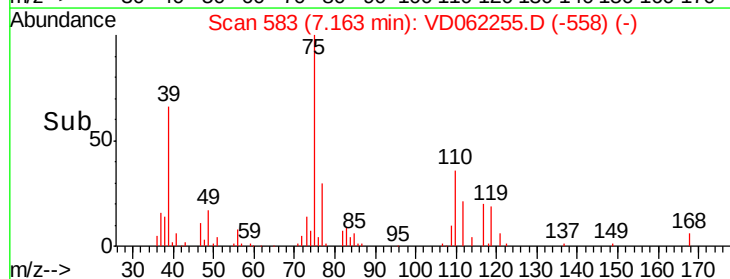
75 100

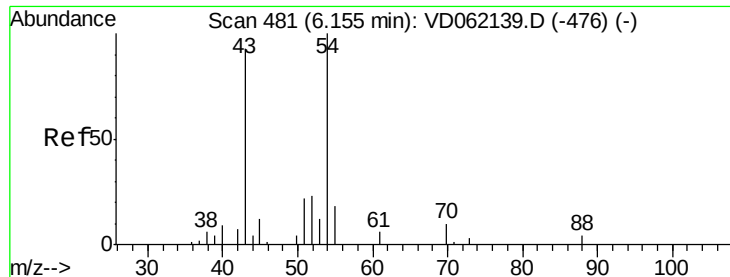
110 35.7 19.1 57.1

77 30.2 25.6 38.4



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





#37

Ethyl Acetate

Concen: 21.630 ug/l

RT: 6.20 min Scan# 485

Delta R.T. 0.04 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS01

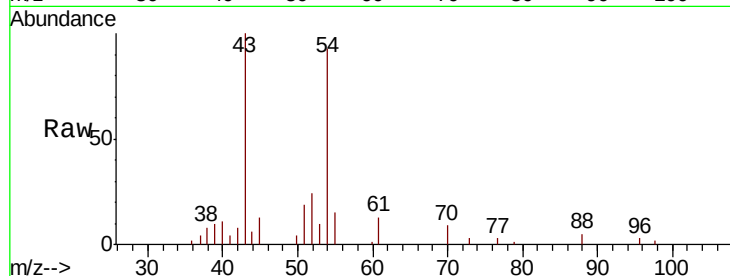
Tot Ion: 43 Resp: 90727

Ion Ratio Lower Upper

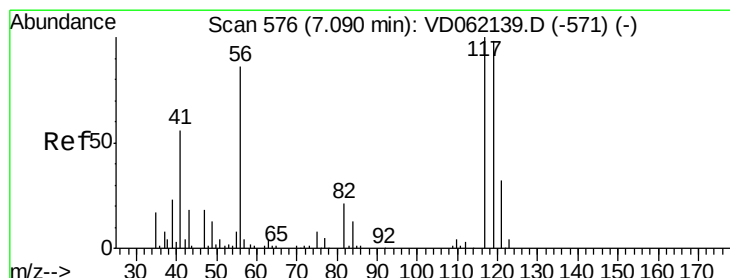
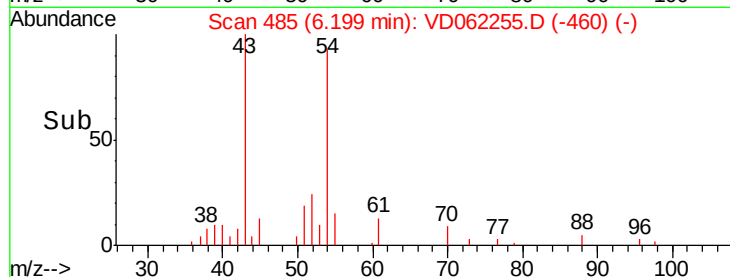
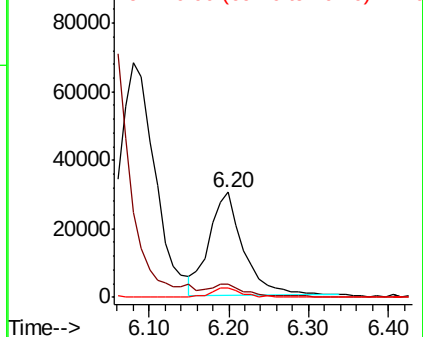
43 100

61 12.8 14.7 22.1#

70 8.9 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



#38

Carbon Tetrachloride

Concen: 24.232 ug/l

RT: 7.12 min Scan# 579

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

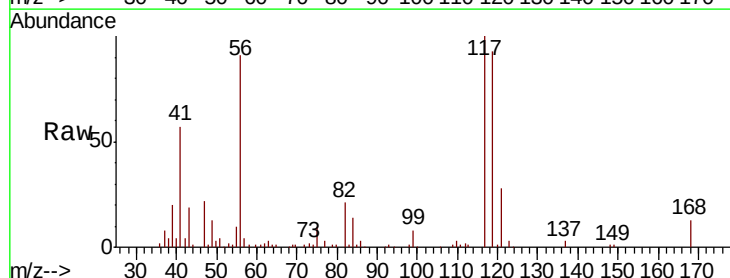
Tgt Ion: 117 Resp: 331720

Ion Ratio Lower Upper

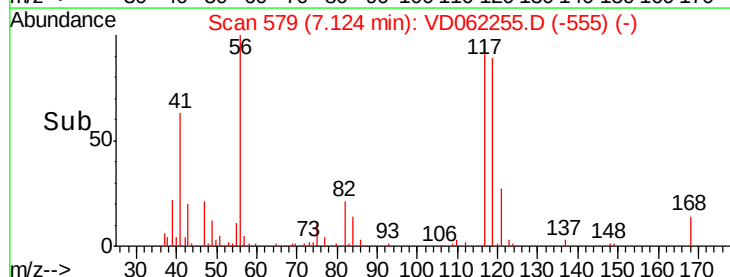
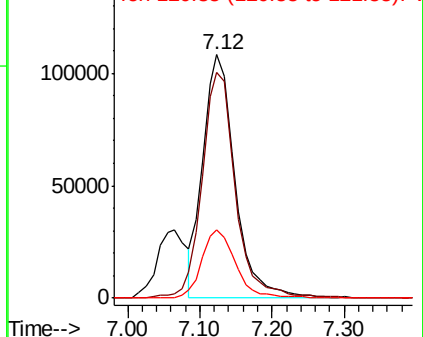
117 100

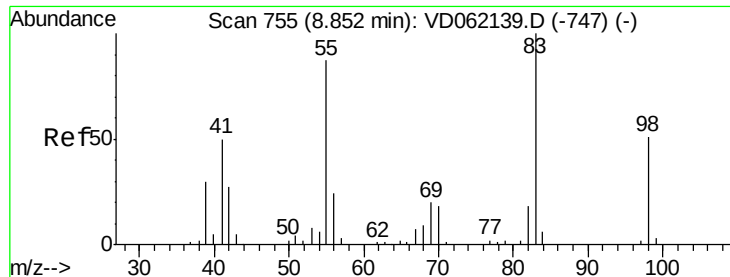
119 92.5 75.8 113.8

121 27.9 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

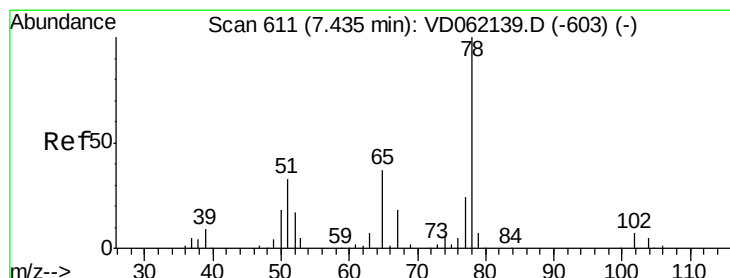
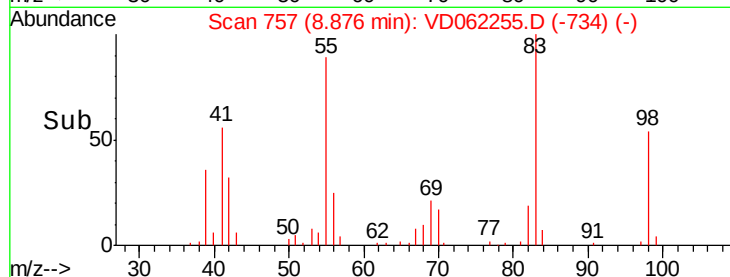
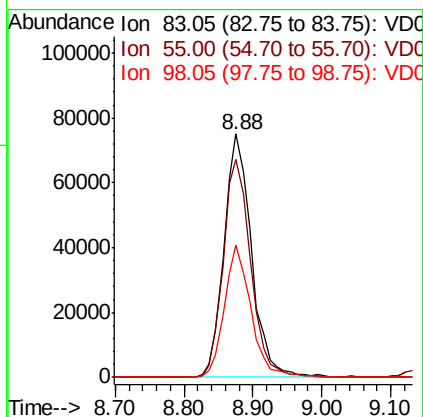
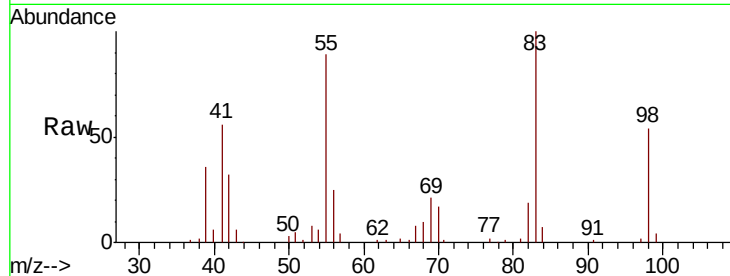




#39
Methylvlcyclohexane
Concen: 21.883 ug/l
RT: 8.88 min Scan# 757
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

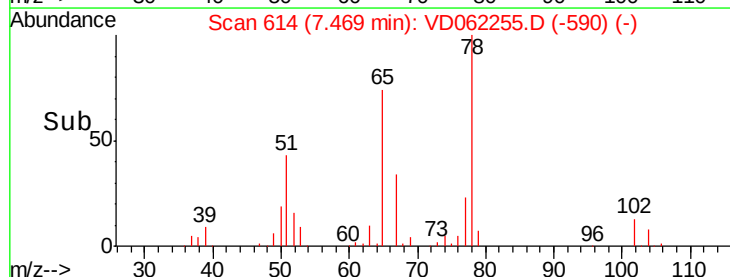
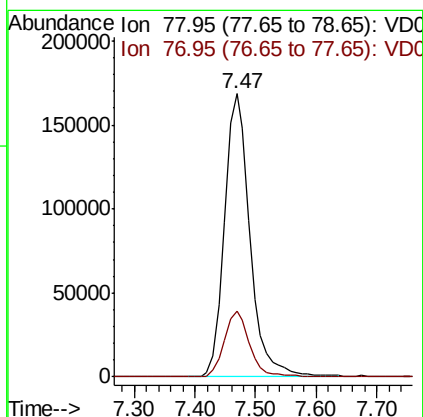
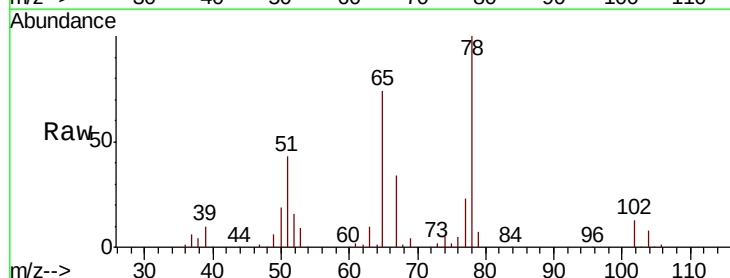
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBS01

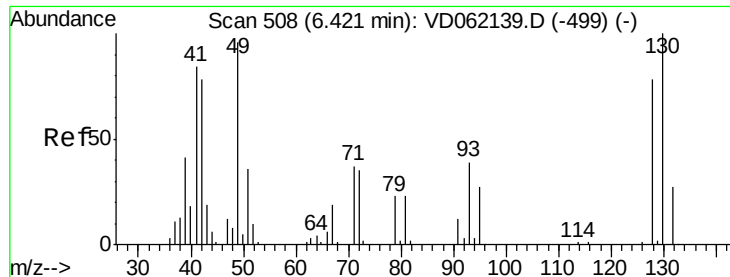
Tot Ion: 83 Resp: 207368
Ion Ratio Lower Upper
83 100
55 89.5 68.2 102.4
98 54.4 38.2 57.4



#40
Benzene
Concen: 21.989 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 78 Resp: 491109
Ion Ratio Lower Upper
78 100
77 23.3 19.7 29.5

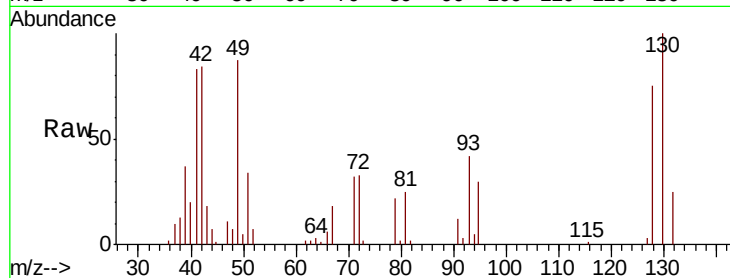




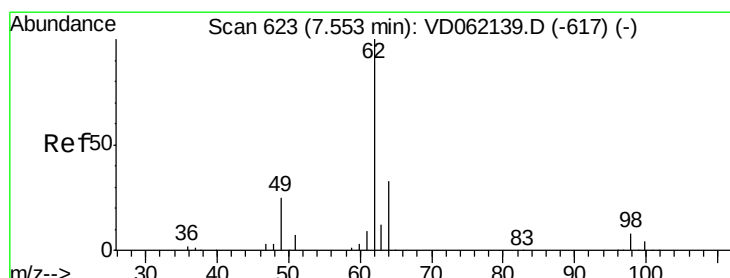
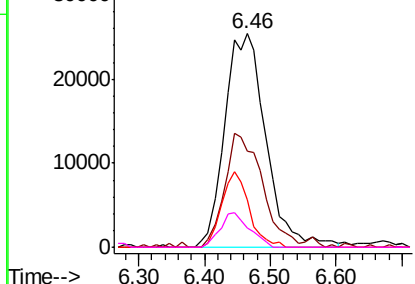
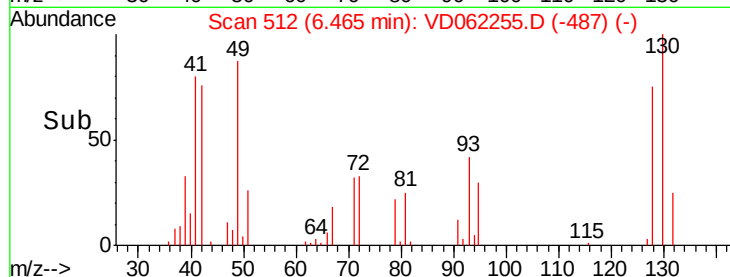
#41
Methacrylonitrile
Concen: 21.642 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Tot Ion: 41 Resp: 110931
Ion Ratio Lower Upper
41 100
39 45.1 34.1 51.1
67 21.9 23.8 35.6#
52 8.9 8.8 13.2

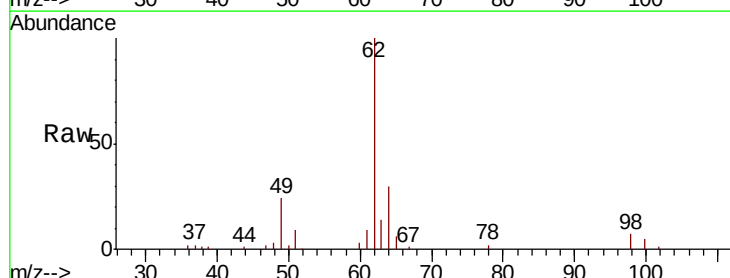


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

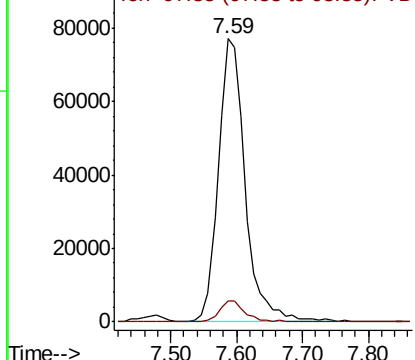
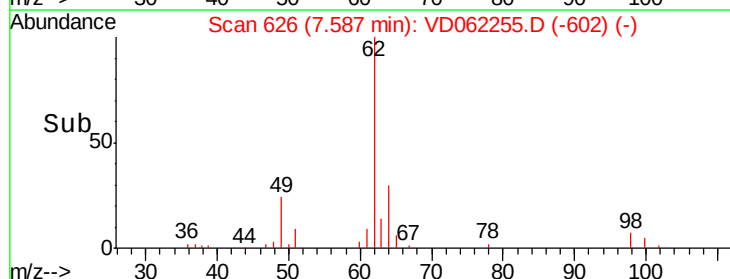


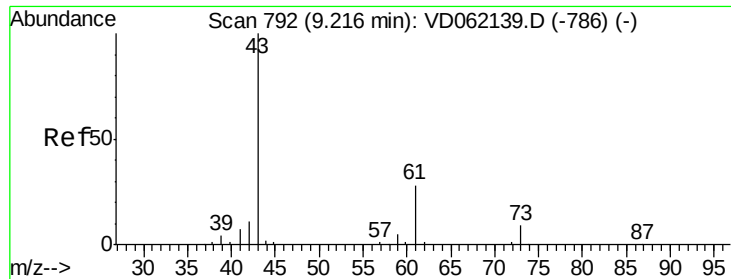
#42
1,2-Dichloroethane
Concen: 23.107 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 62 Resp: 218650
Ion Ratio Lower Upper
62 100
98 7.3 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 21.021 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

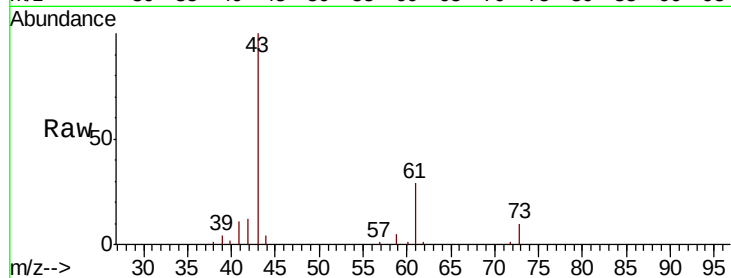
Tot Ion: 43 Resp: 125048

Ion Ratio Lower Upper

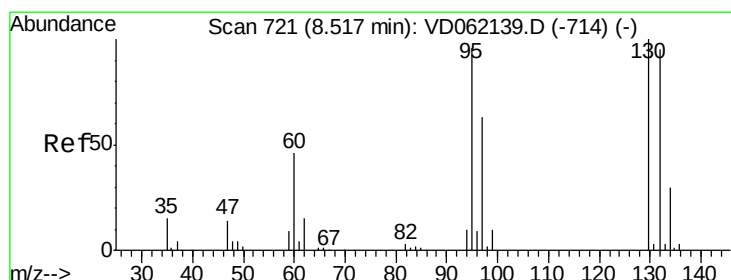
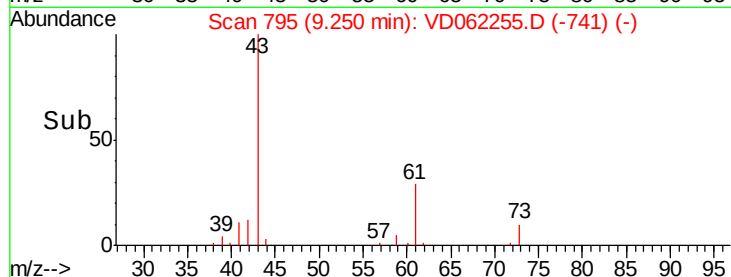
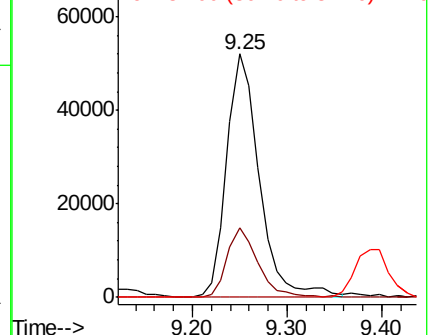
43 100

61 28.8 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: 22.155 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.03 min

Lab File: VD062255.D

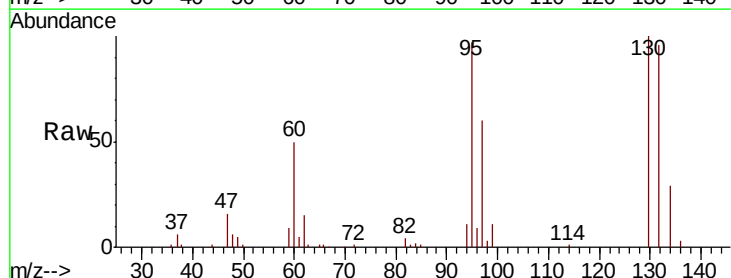
Acq: 12 May 2019 13:29

Tgt Ion:130 Resp: 188555

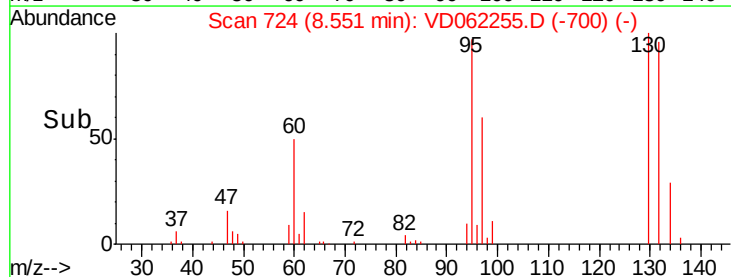
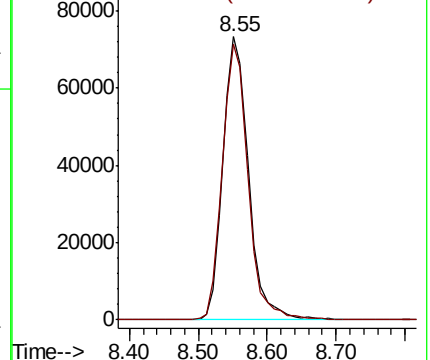
Ion Ratio Lower Upper

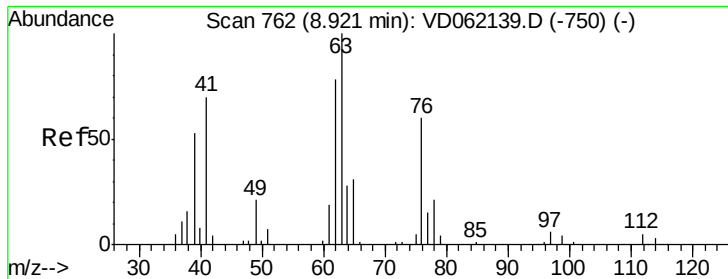
130 100

95 97.2 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 21.490 ug/l

RT: 8.95 min Scan# 765

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

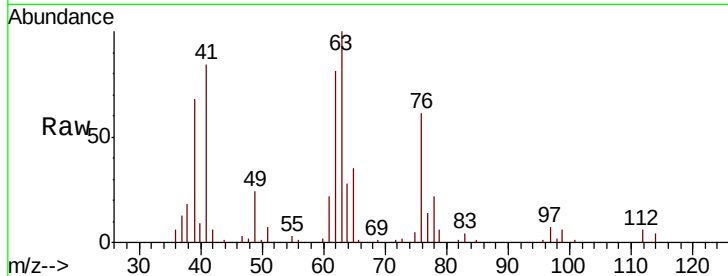
VD0512SBS01

Tot Ion: 63 Resp: 118719

Ion Ratio Lower Upper

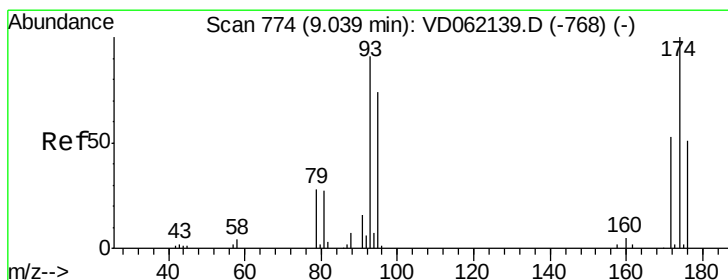
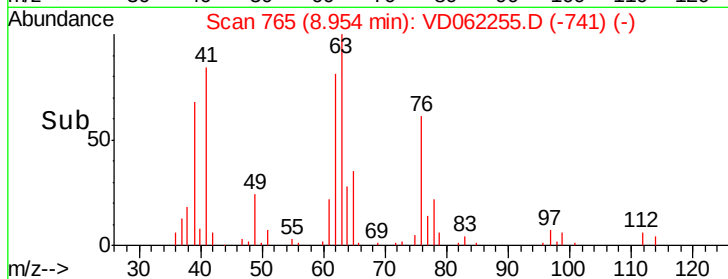
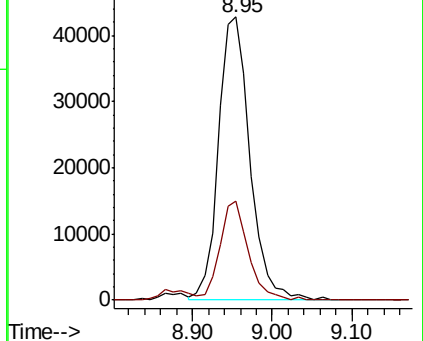
63 100

65 35.1 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: 21.309 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

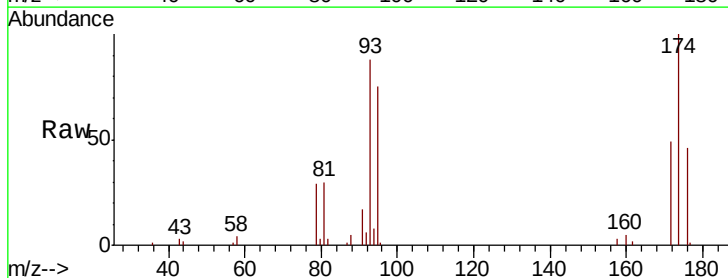
Tgt Ion: 93 Resp: 95727

Ion Ratio Lower Upper

93 100

95 84.6 64.8 97.2

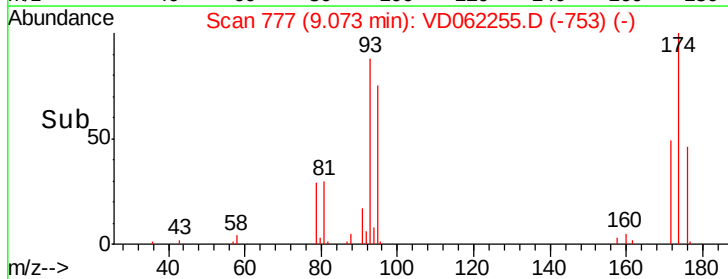
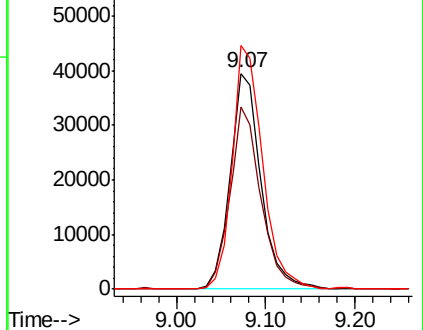
174 113.0 79.3 118.9

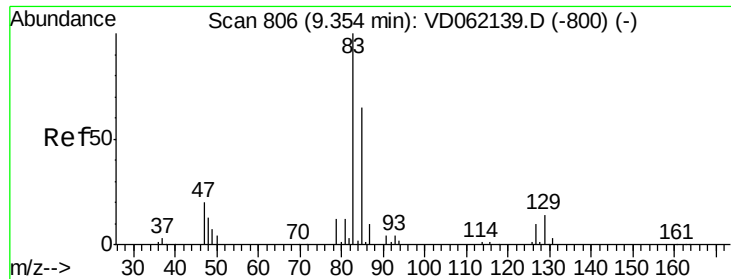


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

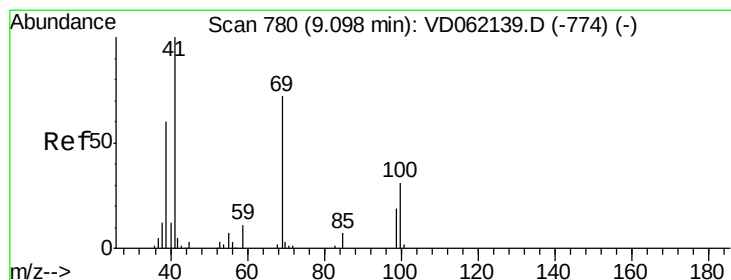
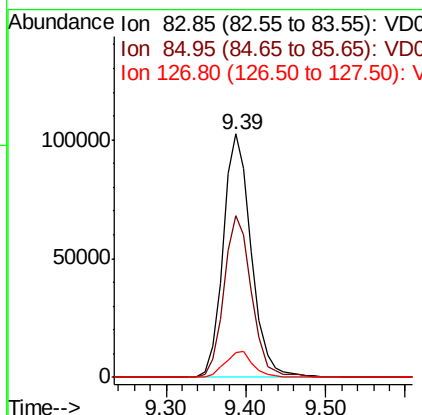
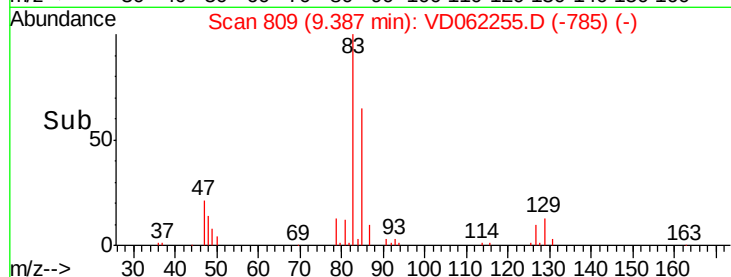
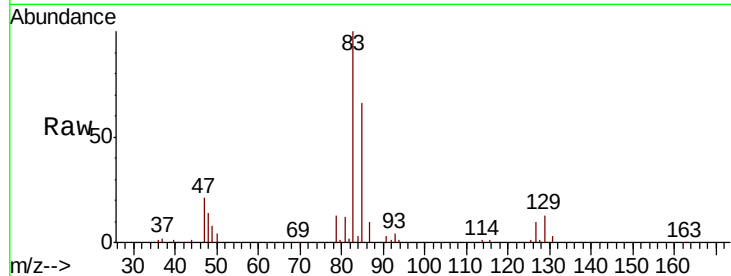




#47
Bromodichloromethane
Concen: 22.981 ug/l
RT: 9.39 min Scan# 809
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

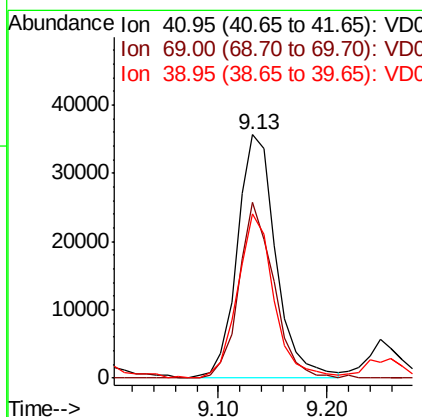
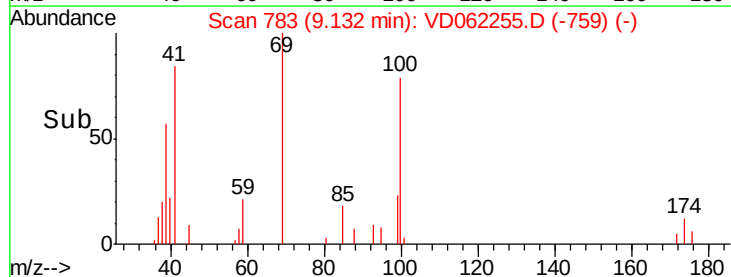
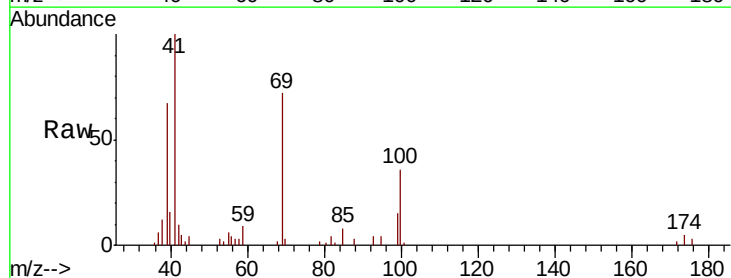
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

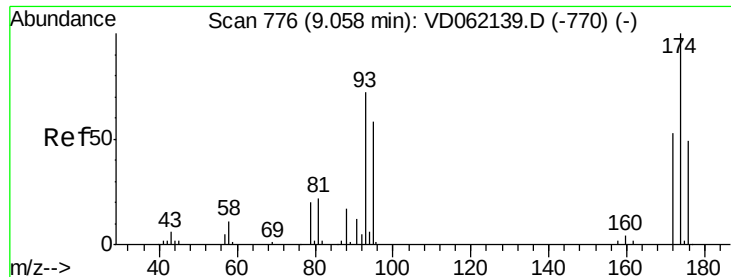
Tot Ion: 83 Resp: 252530
Ion Ratio Lower Upper
83 100
85 66.2 50.9 76.3
127 9.9 8.1 12.1



#48
Methyl methacrylate
Concen: 24.139 ug/l
RT: 9.13 min Scan# 783
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 41 Resp: 88449
Ion Ratio Lower Upper
41 100
69 72.2 64.2 96.2
39 67.3 46.8 70.2

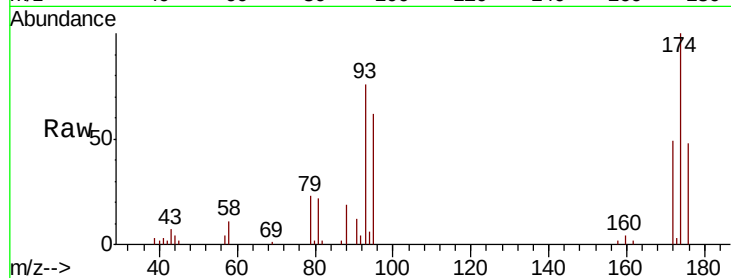




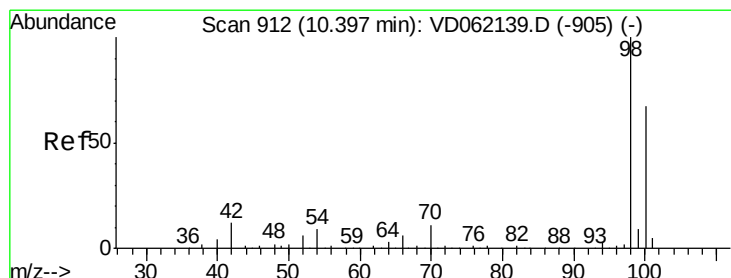
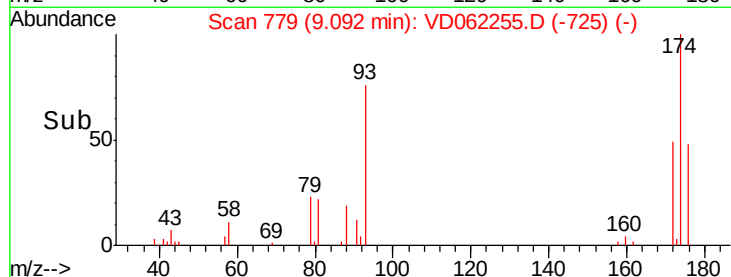
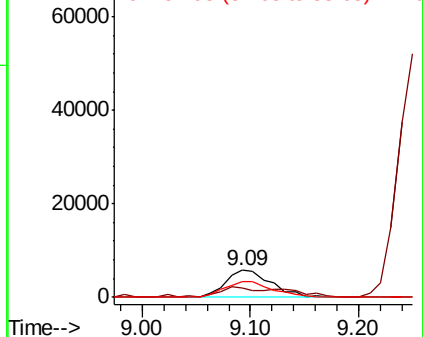
#49
1,4-Dioxane
Concen: 421.126 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Tot Ion: 88 Resp: 16649
Ion Ratio Lower Upper
88 100
43 37.0 23.4 35.0#
58 59.0 44.0 66.0

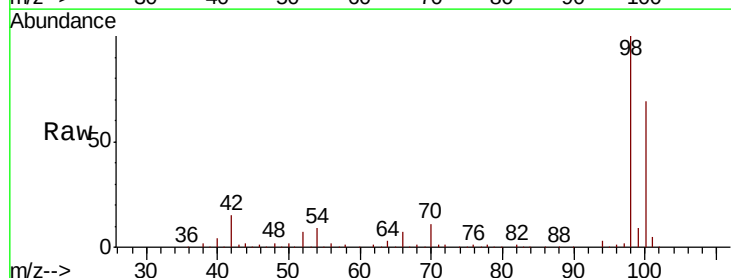


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

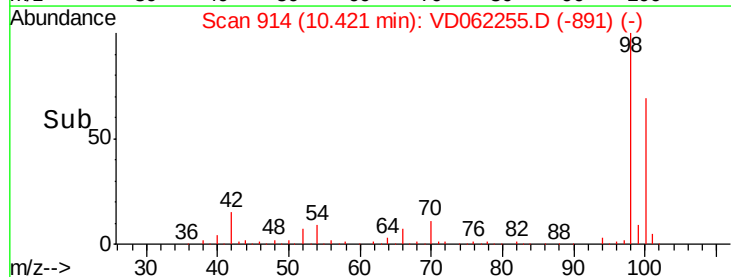
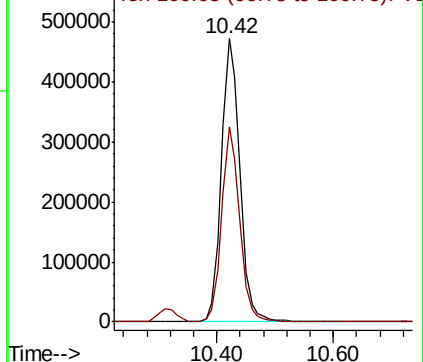


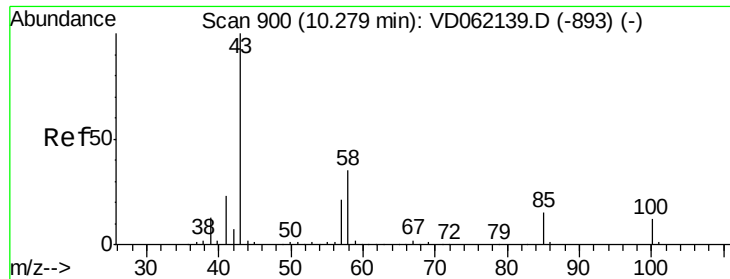
#50
Toluene-d8
Concen: 42.965 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 98 Resp: 1036849
Ion Ratio Lower Upper
98 100
100 69.0 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: 108.495 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.03 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

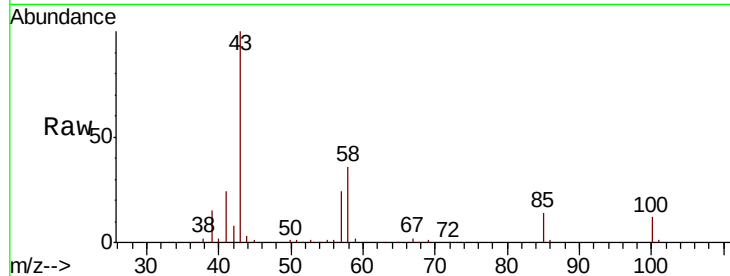
VD0512SBS01

Tot Ion: 43 Resp: 414873

Ion Ratio Lower Upper

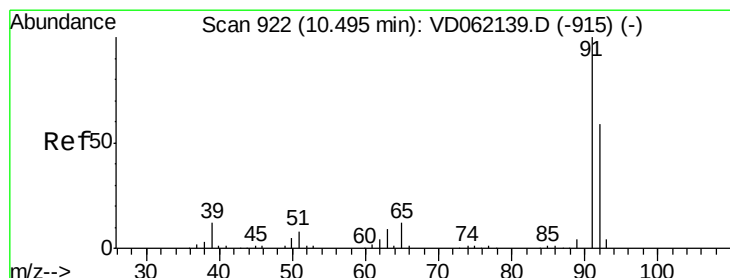
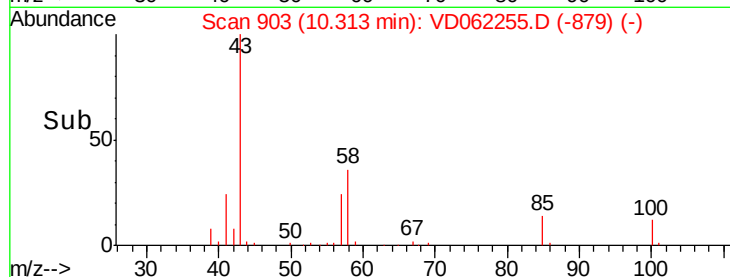
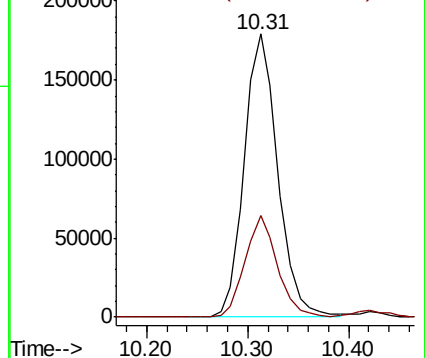
43 100

58 36.0 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: 22.900 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062255.D

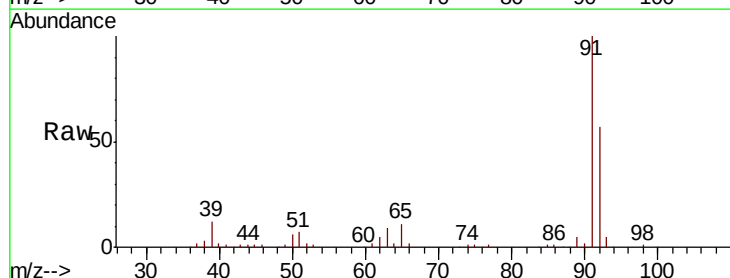
Acq: 12 May 2019 13:29

Tgt Ion: 92 Resp: 332778

Ion Ratio Lower Upper

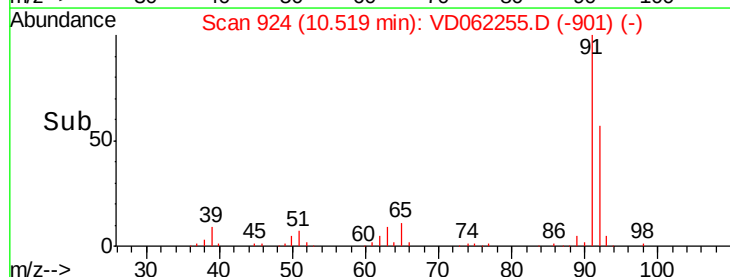
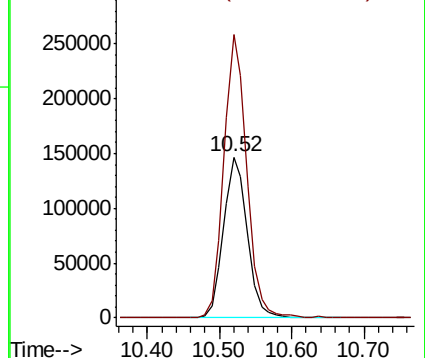
92 100

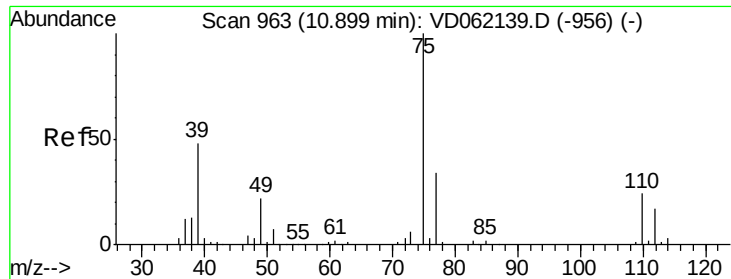
91 175.7 136.6 204.8



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: 21.840 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

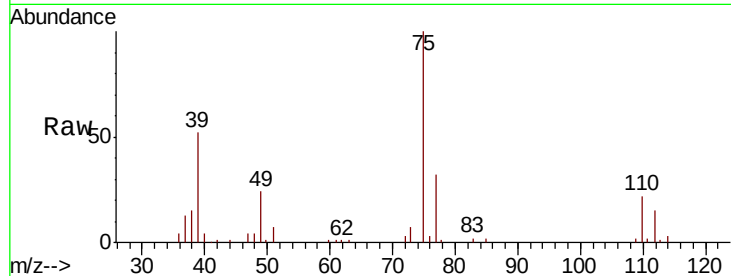
VD0512SBSD01

Tot Ion: 75 Resp: 207412

Ion Ratio Lower Upper

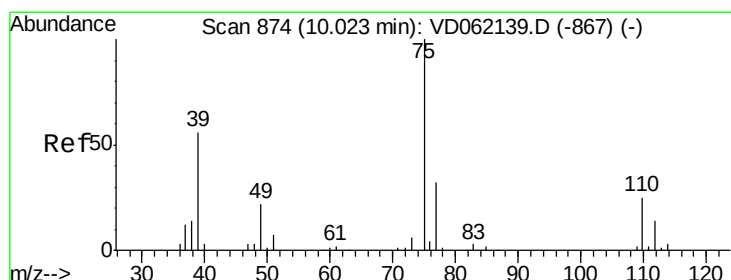
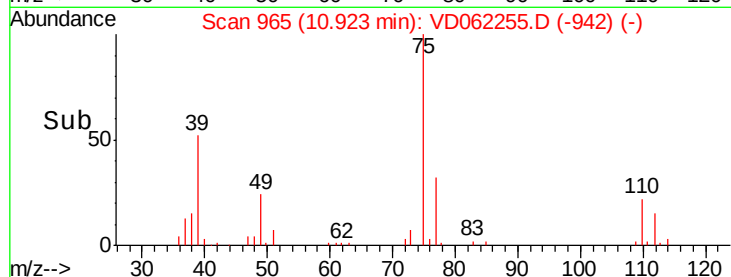
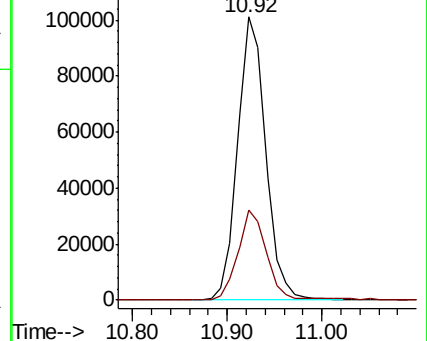
75 100

77 31.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.910 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

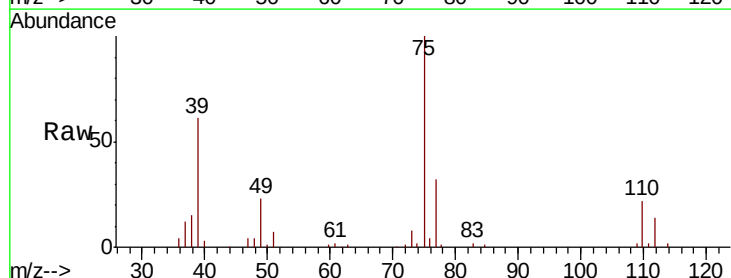
Tgt Ion: 75 Resp: 227000

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

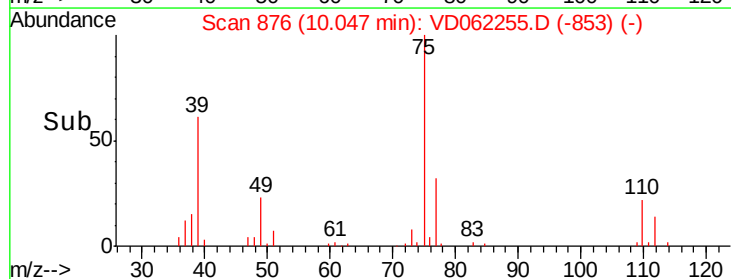
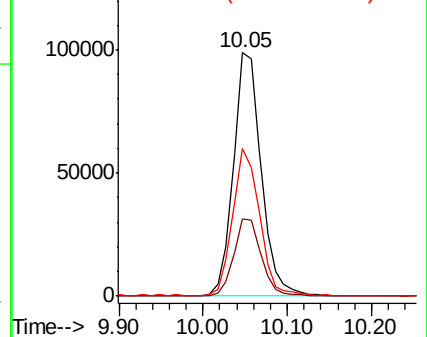
39 60.9 39.4 59.2#

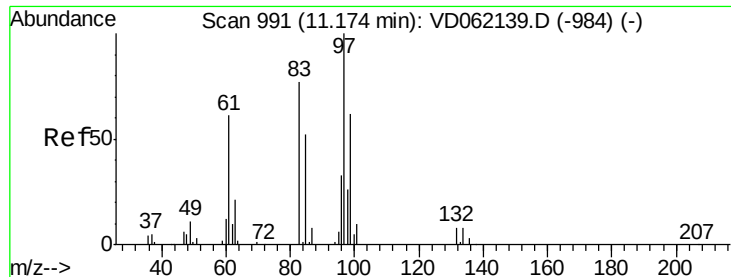


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

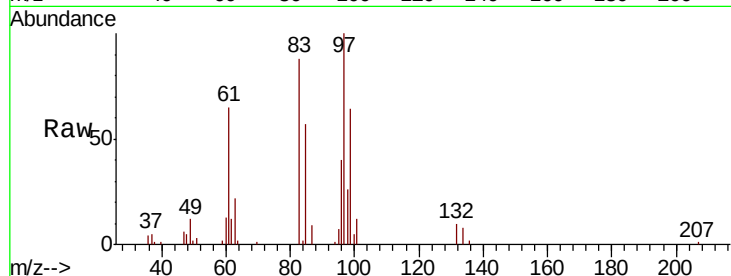




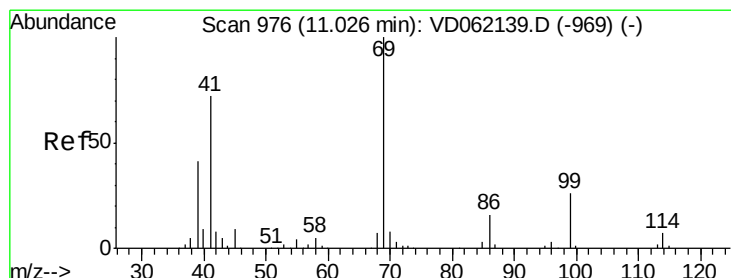
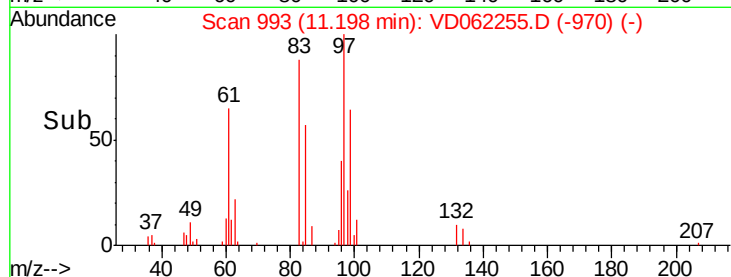
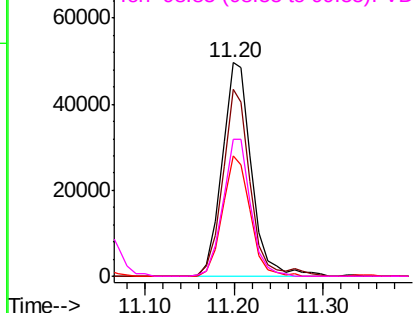
#55
 1,1,2-Trichloroethane
 Concen: 22.280 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.5	65.7	98.5
85	56.6	45.6	68.4
99	64.2	48.4	72.6

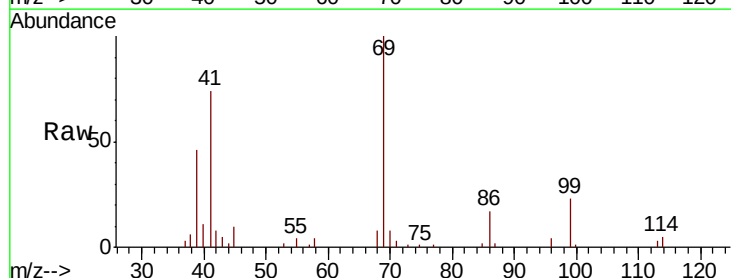


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

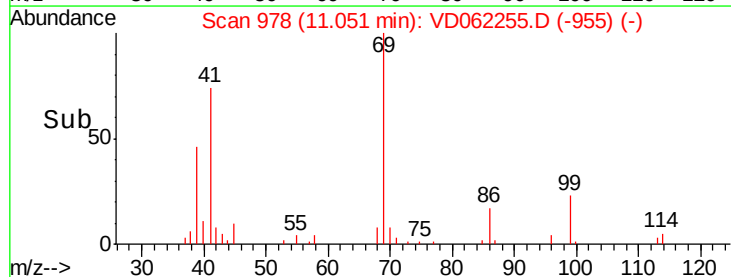
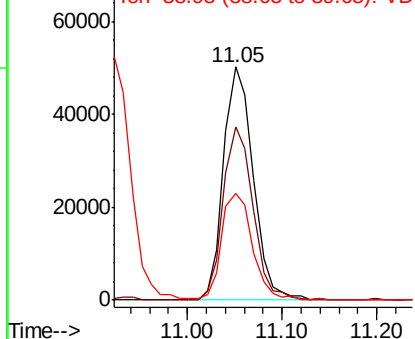


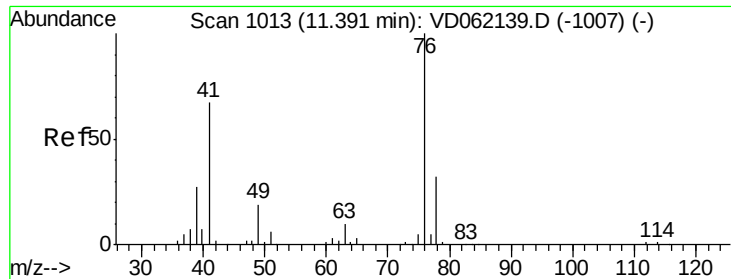
#56
 Ethyl methacrylate
 Concen: 20.519 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.1	56.3	84.5
39	46.0	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

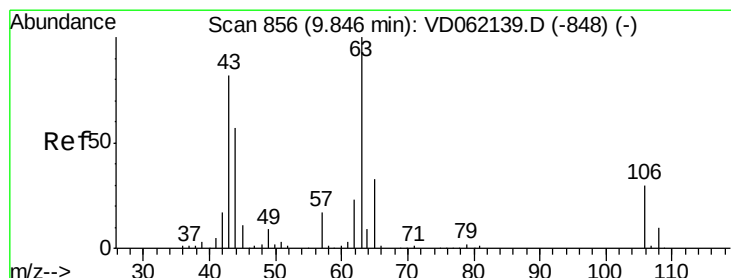
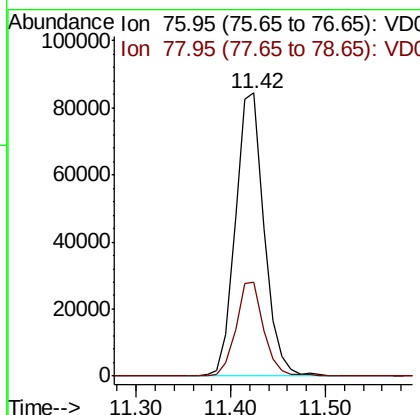
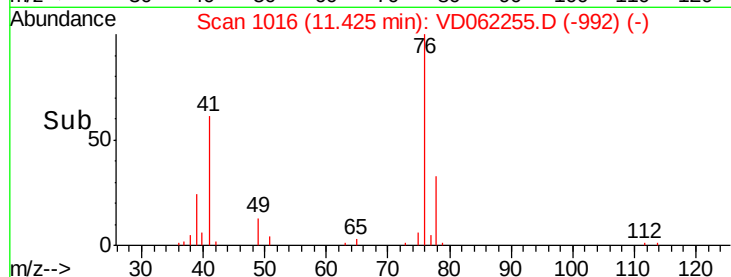
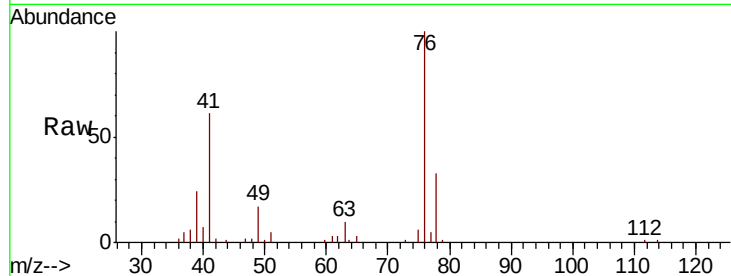




#57
 1,3-Dichloropropane
 Concen: 22.777 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

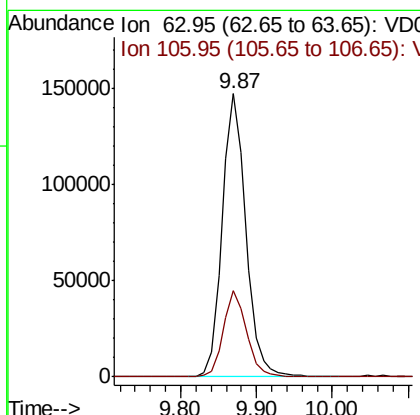
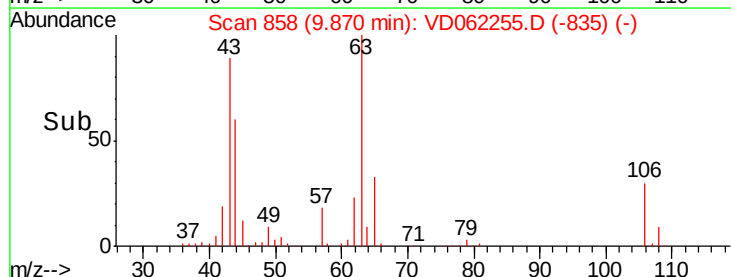
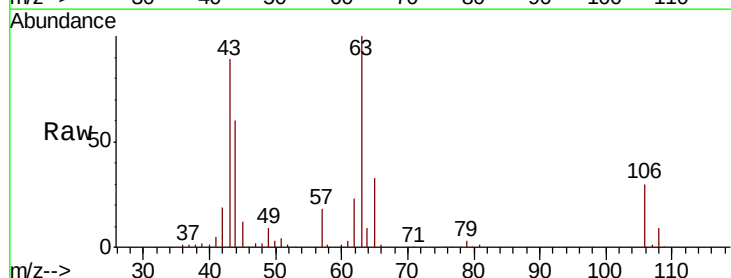
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

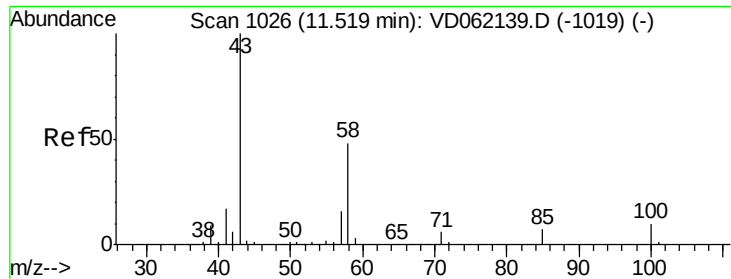
Tot Ion: 76 Resp: 176922
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.284 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.02 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion: 63 Resp: 318942
 Ion Ratio Lower Upper
 63 100
 106 30.4 22.6 34.0

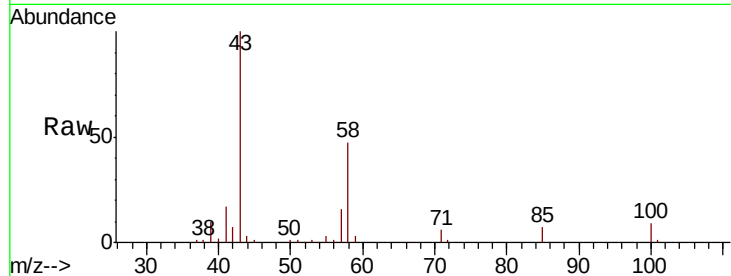




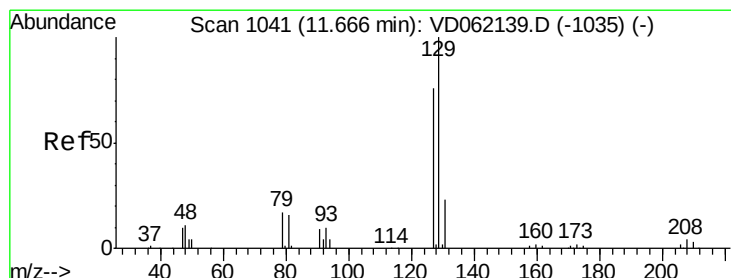
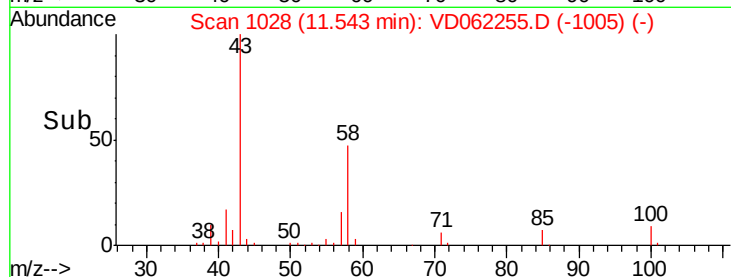
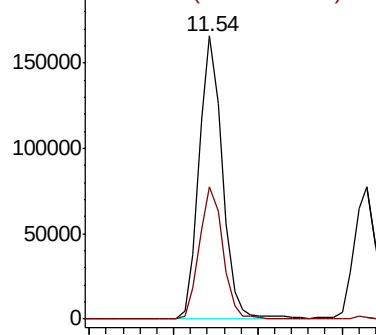
#59
2-Hexanone
Concen: 113.660 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Tot Ion: 43 Resp: 320332
Ion Ratio Lower Upper
43 100
58 46.8 25.4 76.4

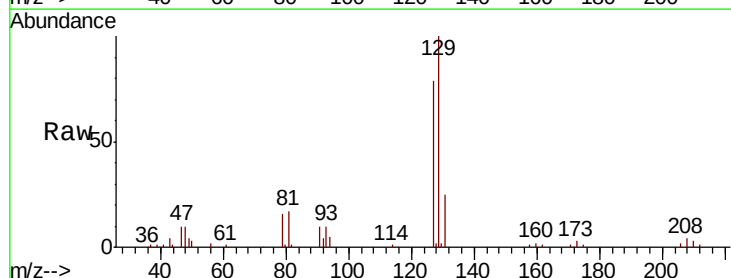


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

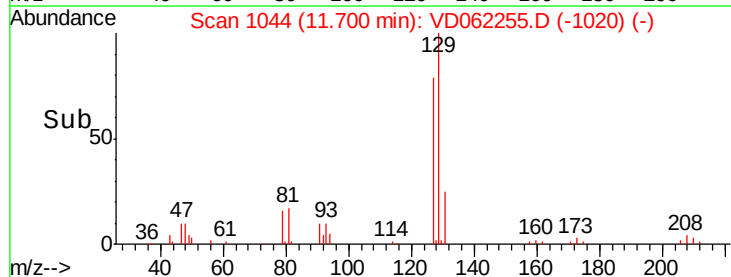
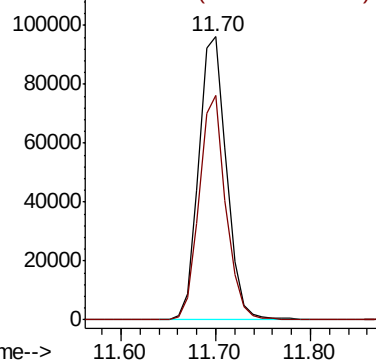


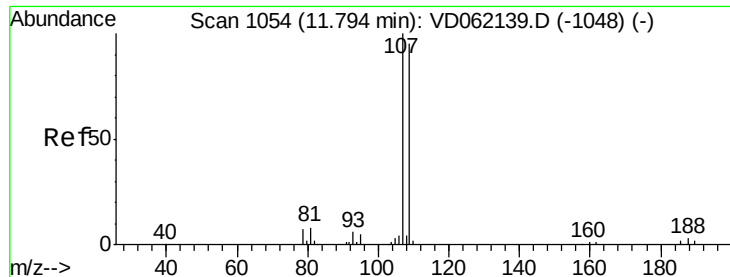
#60
Dibromochloromethane
Concen: 21.938 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 129 Resp: 194931
Ion Ratio Lower Upper
129 100
127 79.3 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 20.617 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

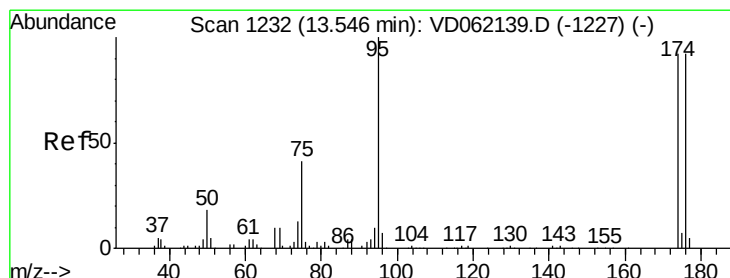
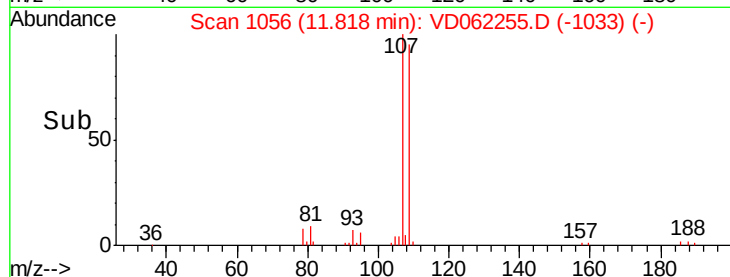
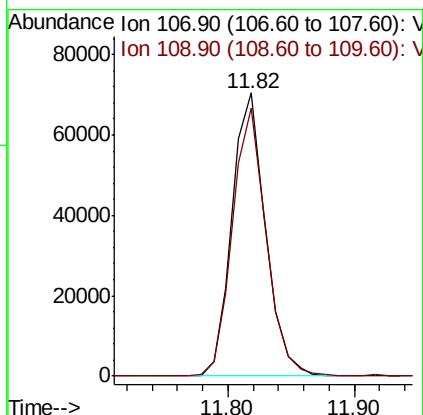
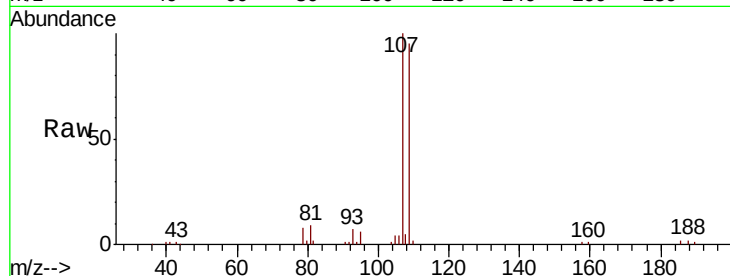
VD0512SBSD01

Tot Ion:107 Resp: 128874

Ion Ratio Lower Upper

107 100

109 94.7 78.3 117.5



#62

4-Bromofluorobenzene

Concen: 41.642 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

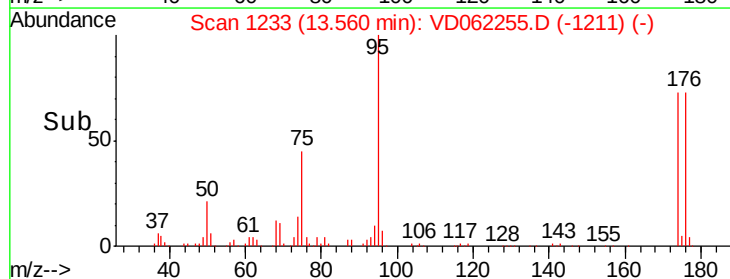
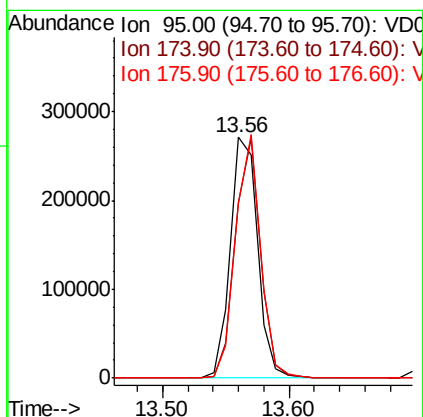
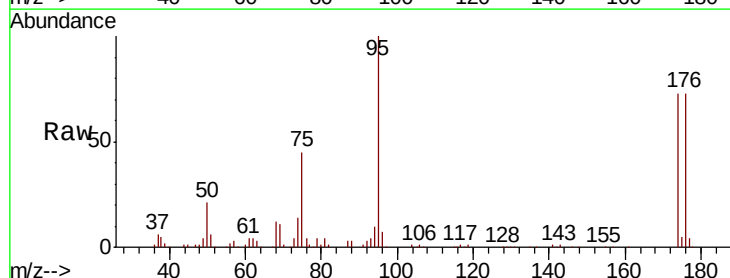
Tgt Ion: 95 Resp: 403540

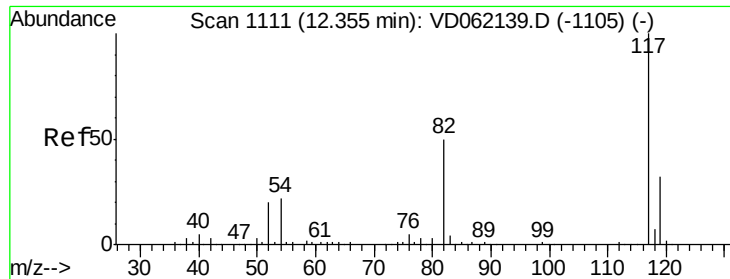
Ion Ratio Lower Upper

95 100

174 72.9 0.0 181.8

176 72.6 0.0 174.4

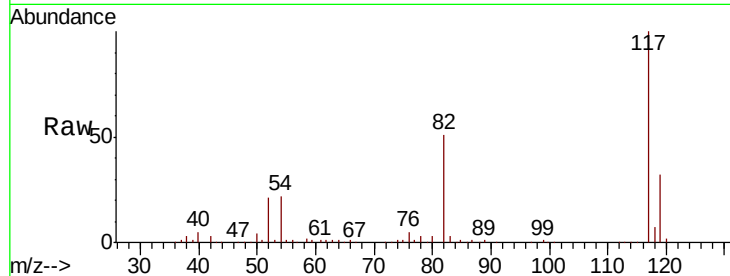




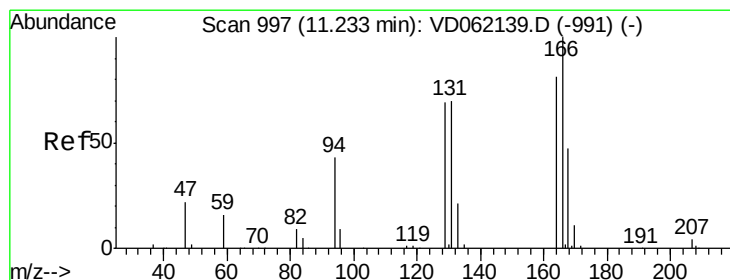
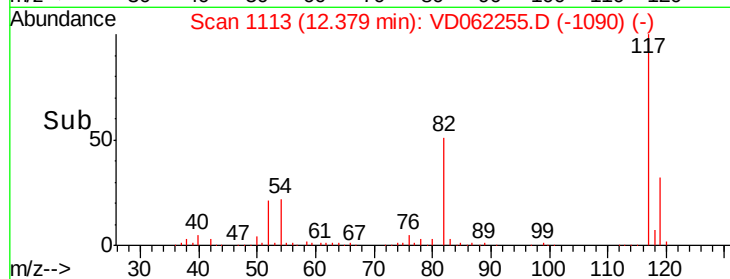
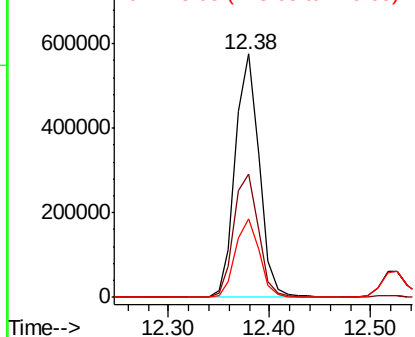
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Tot Ion:117 Resp: 947383
Ion Ratio Lower Upper
117 100
82 50.5 36.2 54.2
119 32.3 26.2 39.4

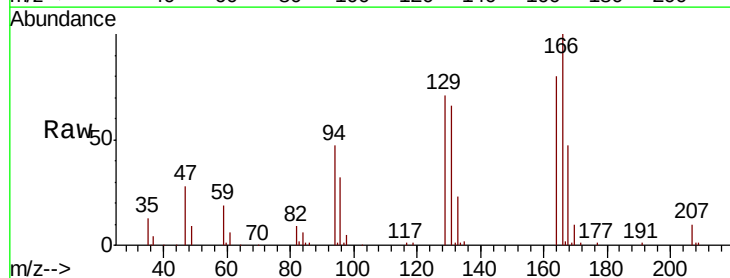


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

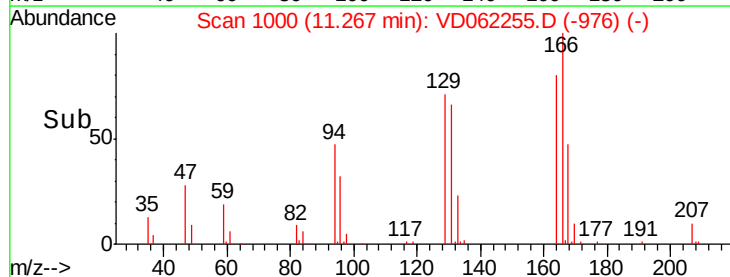
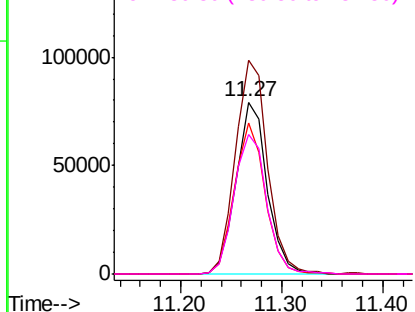


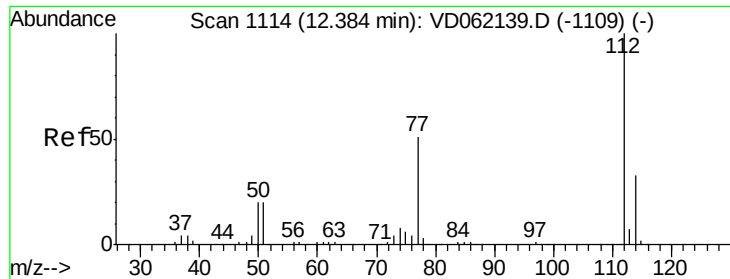
#64
Tetrachloroethene
Concen: 22.820 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.03 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion:164 Resp: 169054
Ion Ratio Lower Upper
164 100
166 124.4 101.5 152.3
129 88.1 74.6 112.0
131 81.6 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

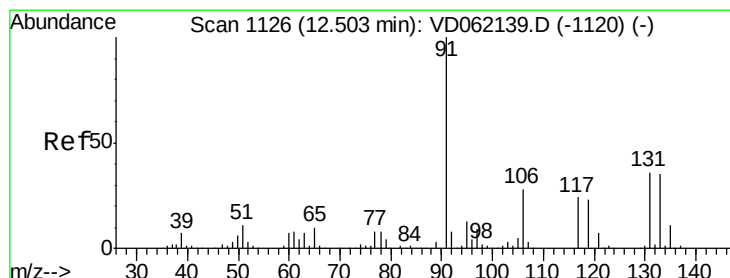
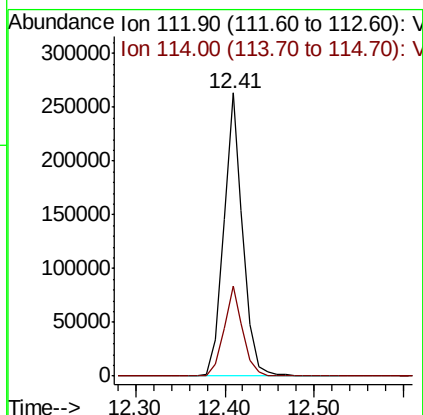
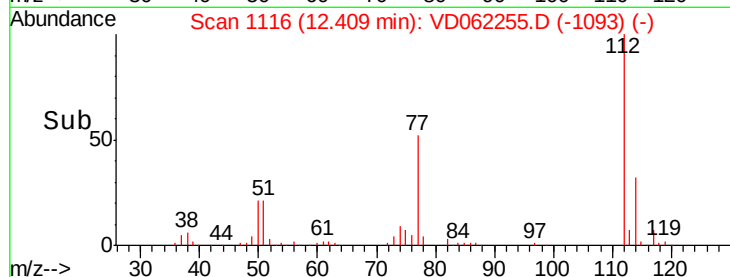
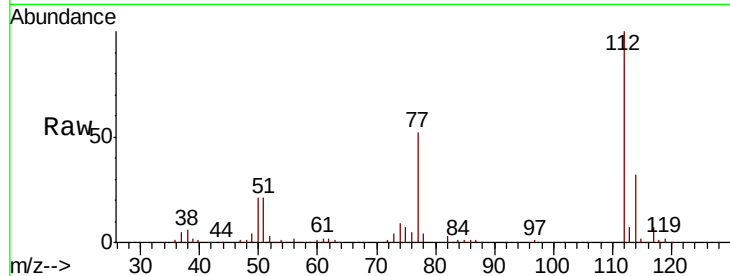




#65
Chlorobenzene
Concen: 22.237 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

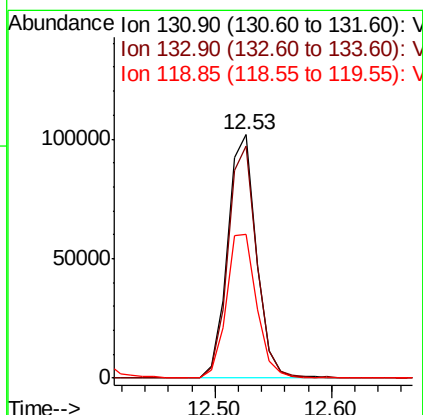
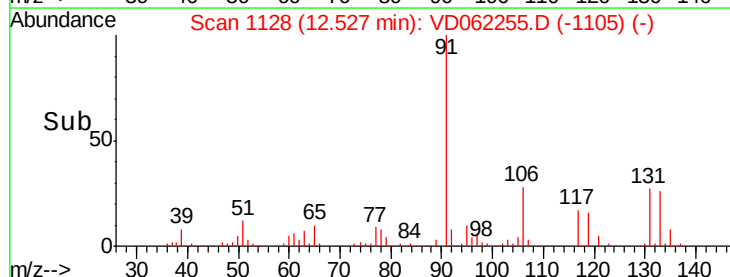
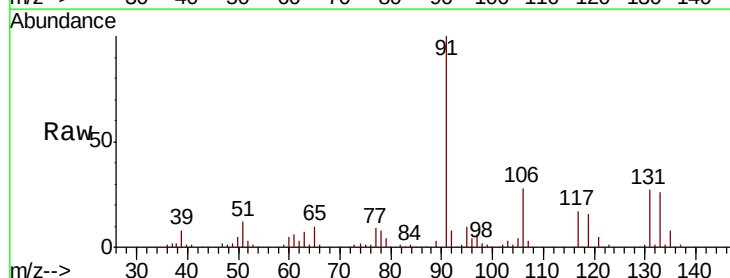
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

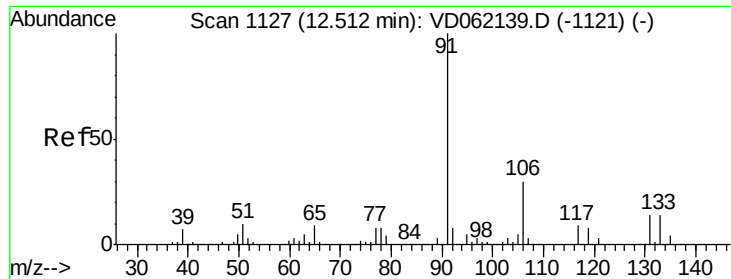
Tot Ion:112 Resp: 392382
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.635 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion:131 Resp: 173824
Ion Ratio Lower Upper
131 100
133 95.5 48.6 145.8
119 59.2 34.7 104.1

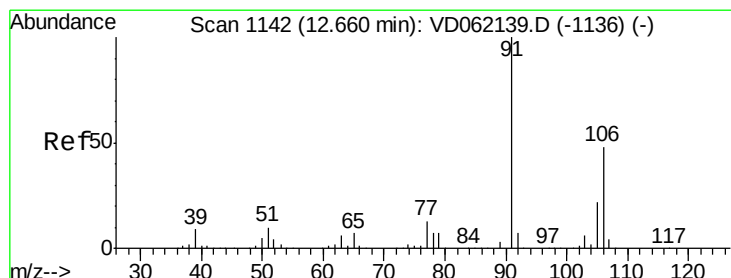
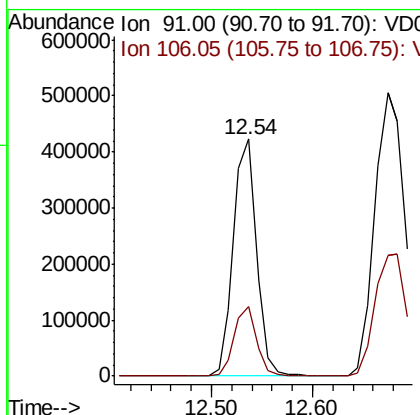
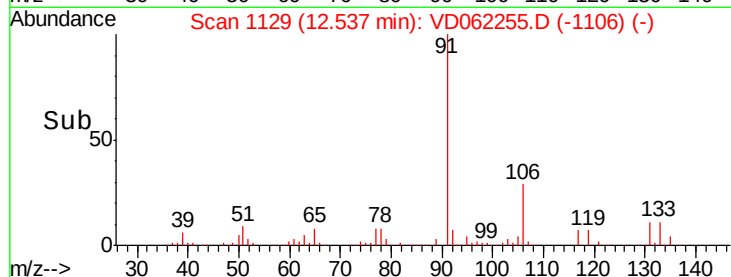
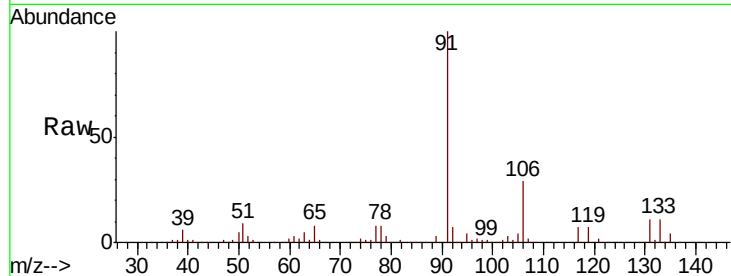




#67
Ethyl Benzene
Concen: 22.935 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

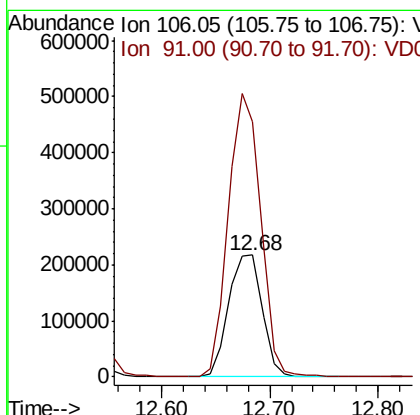
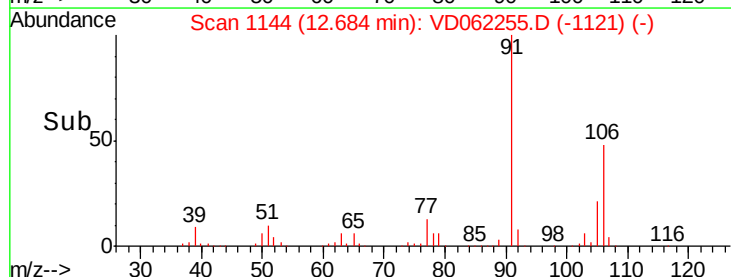
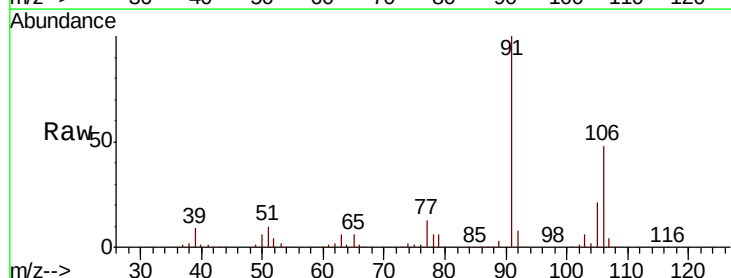
Instrument :
MSVOA_D
ClientSampleID :
VD0512SBS01

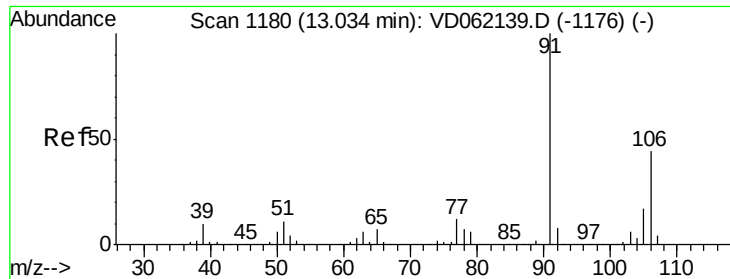
Tot Ion: 91 Resp: 677512
Ion Ratio Lower Upper
91 100
106 29.4 24.7 37.1



#68
m/p-Xylenes
Concen: 43.736 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion: 106 Resp: 470058
Ion Ratio Lower Upper
106 100
91 209.6 164.0 246.0

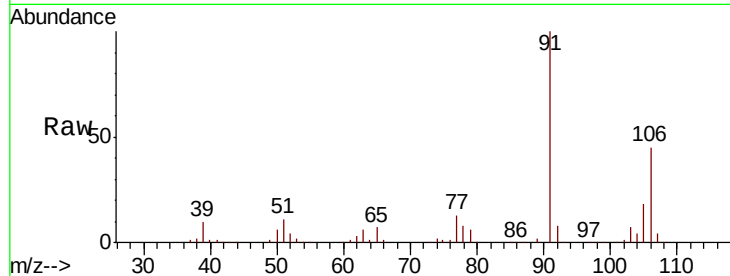




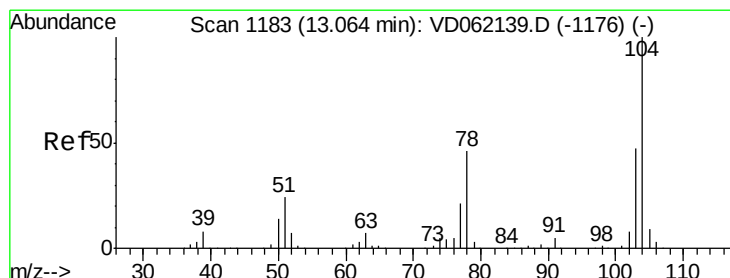
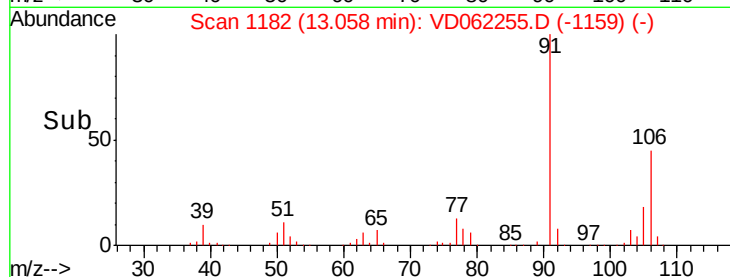
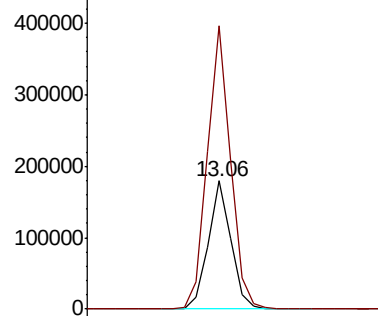
#69
o-Xylene
Concen: 24.171 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Tot Ion:106 Resp: 241518
Ion Ratio Lower Upper
106 100
91 220.7 106.7 319.9

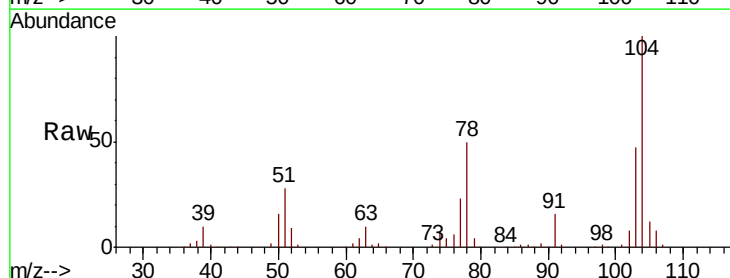


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

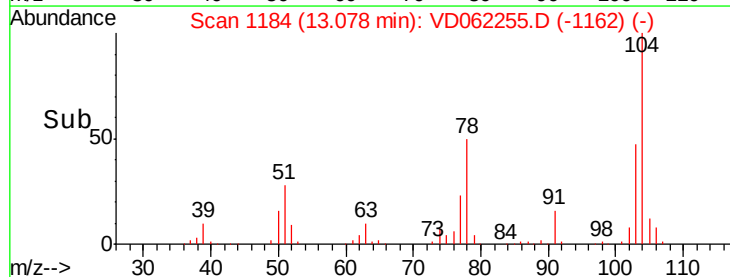
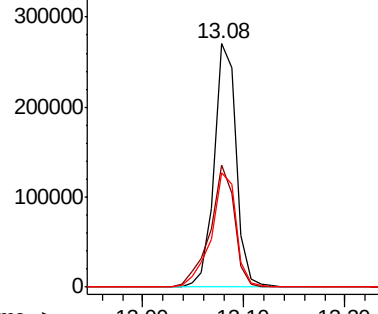


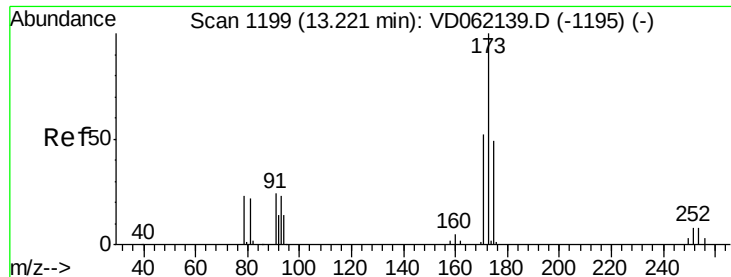
#70
Styrene
Concen: 24.236 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion:104 Resp: 410231
Ion Ratio Lower Upper
104 100
78 49.9 35.4 53.2
103 47.0 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: 22.871 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

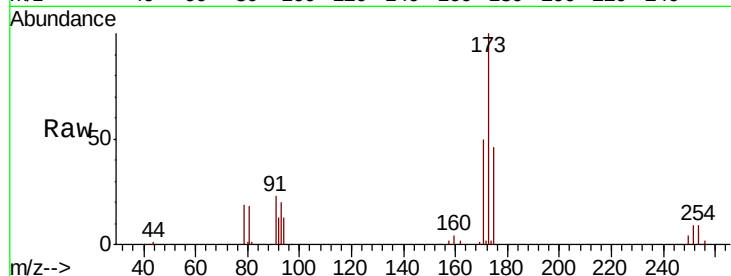
Tot Ion:173 Resp: 122196

Ion Ratio Lower Upper

173 100

175 46.0 24.4 73.4

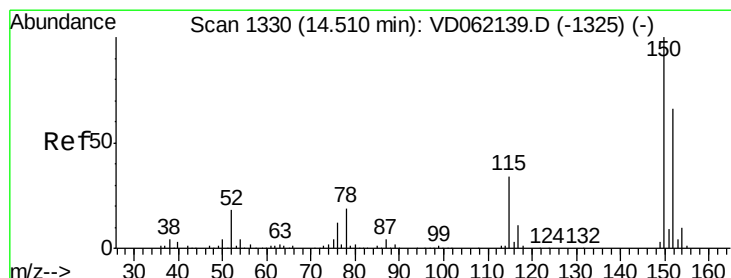
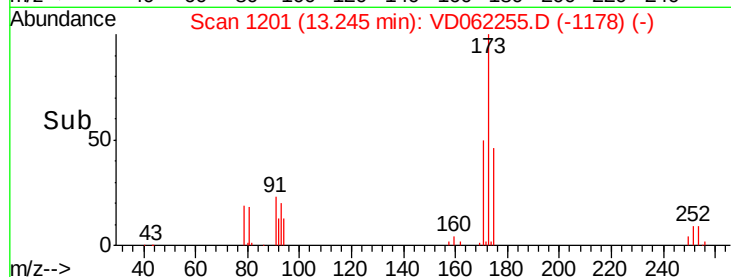
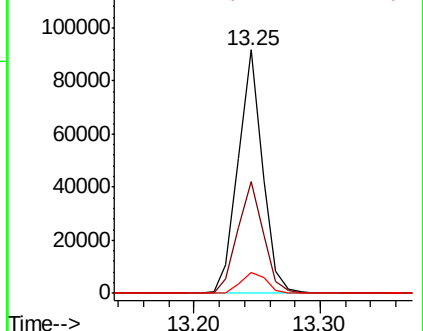
254 8.8 5.4 8.2#



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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

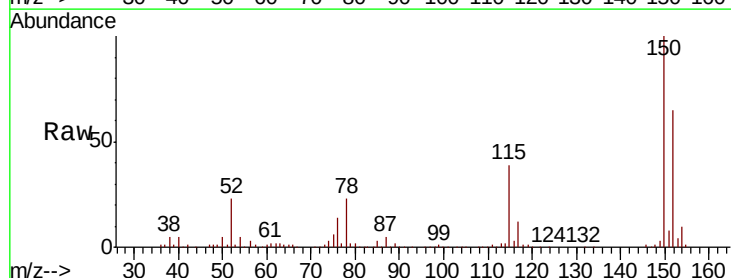
Tgt Ion:152 Resp: 493924

Ion Ratio Lower Upper

152 100

115 59.8 30.9 92.7

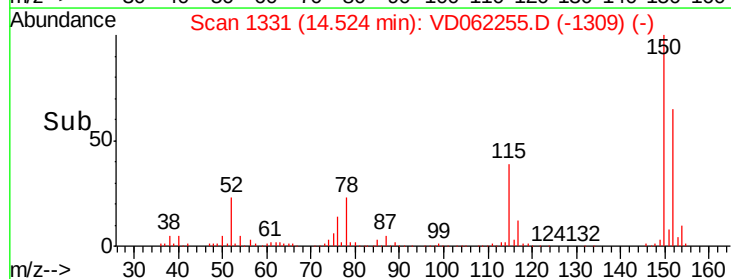
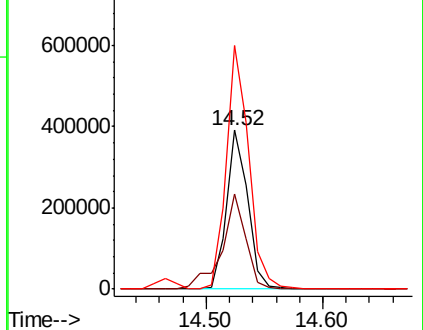
150 153.1 0.0 314.8

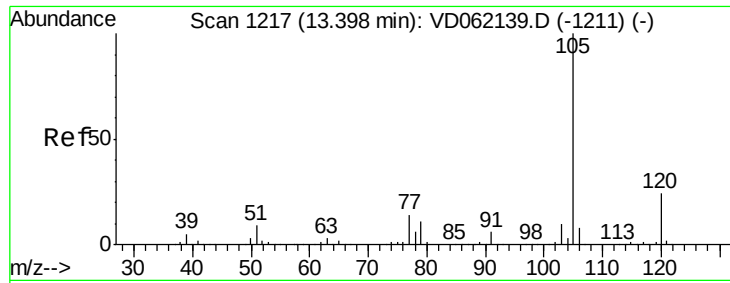


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.948 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

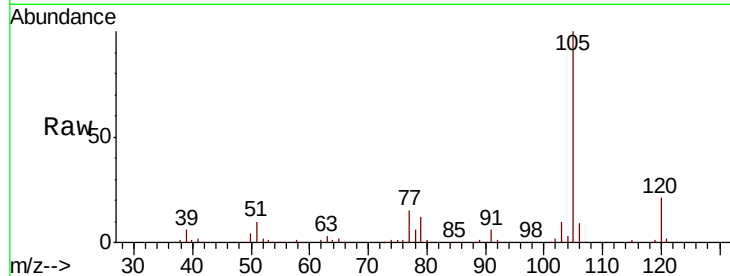
VD0512SBSD01

Tot Ion:105 Resp: 679443

Ion Ratio Lower Upper

105 100

120 21.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

500000

400000

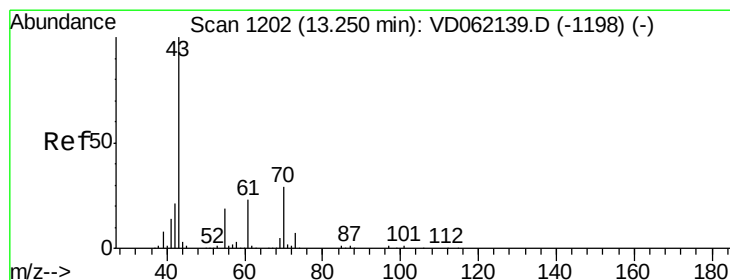
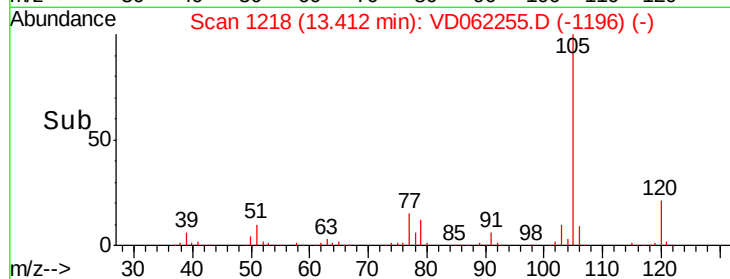
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 22.616 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Tgt Ion: 43 Resp: 175558

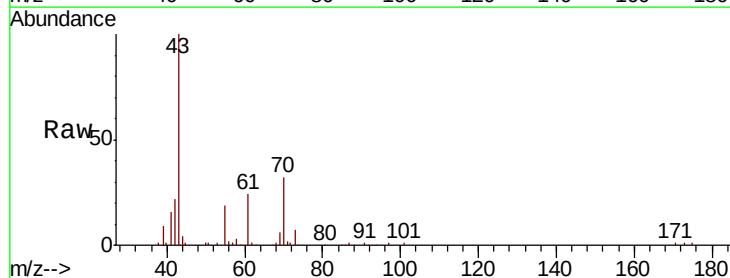
Ion Ratio Lower Upper

43 100

70 32.0 24.2 36.4

55 19.1 16.0 24.0

61 24.0 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

200000

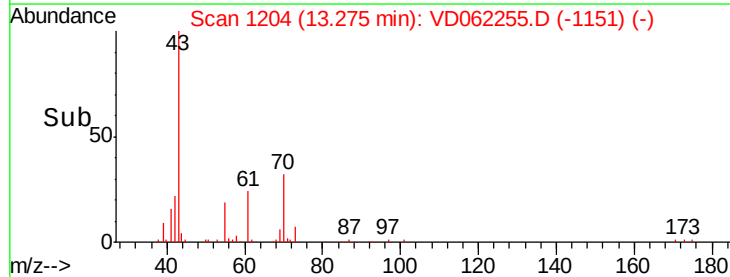
150000

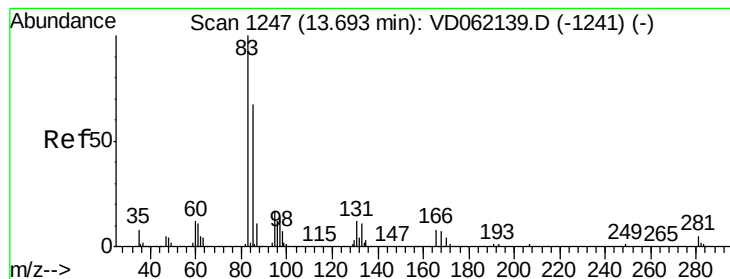
100000

50000

0

Time--> 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 22.580 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

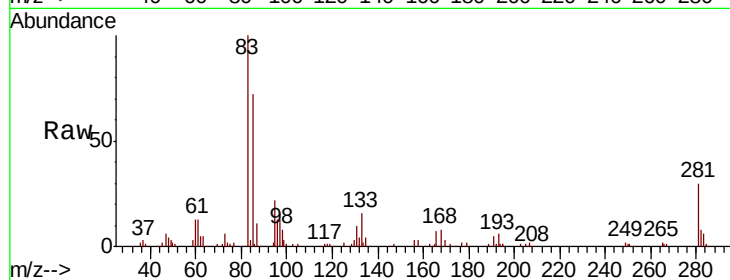
MSVOA_D

ClientSampleId :

VD0512SBSD01

Tot Ion: 83 Resp: 126560

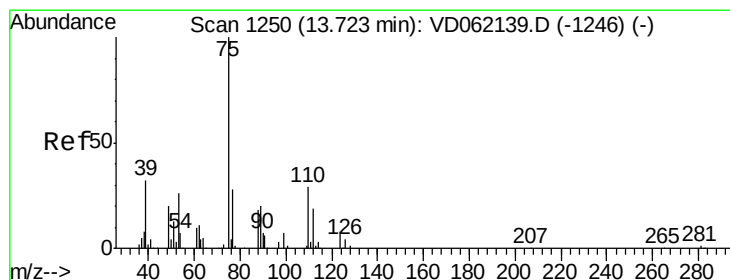
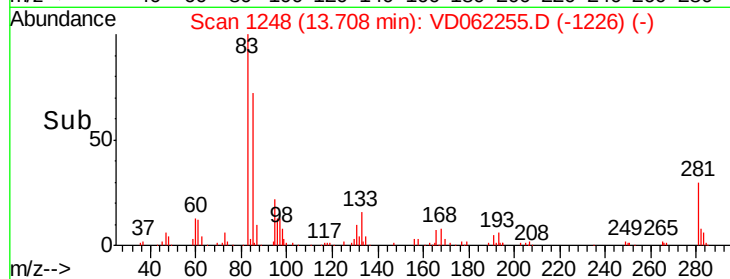
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	71.9	32.6	97.7



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: 24.232 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062255.D

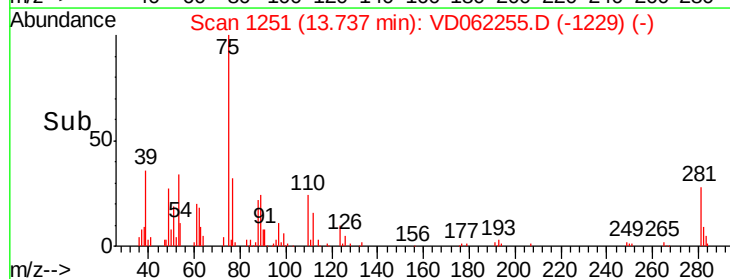
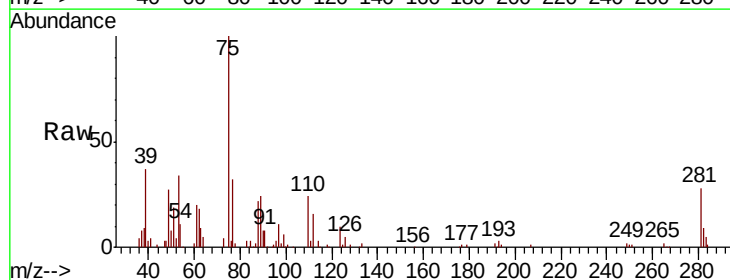
Acq: 12 May 2019 13:29

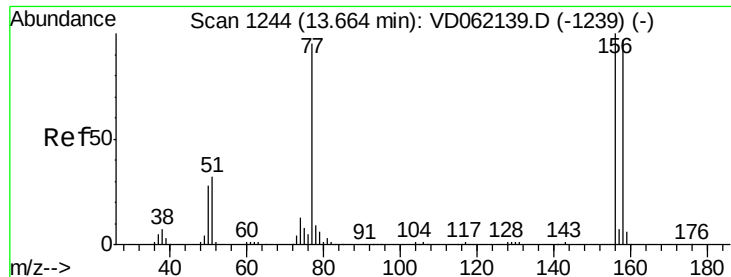
Tgt Ion: 75 Resp: 142239

Ion	Ratio	Lower	Upper
75	100		
77	31.9	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: 23.461 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS01

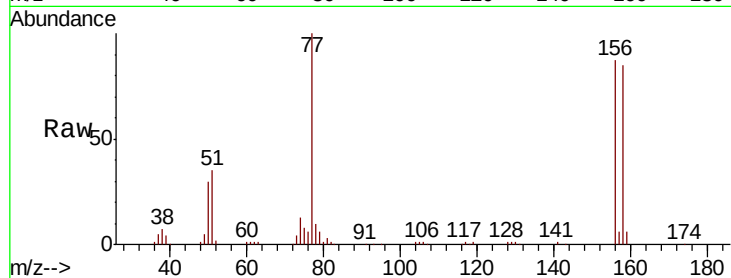
Tot Ion:156 Resp: 194449

Ion Ratio Lower Upper

156 100

77 114.8 53.1 159.4

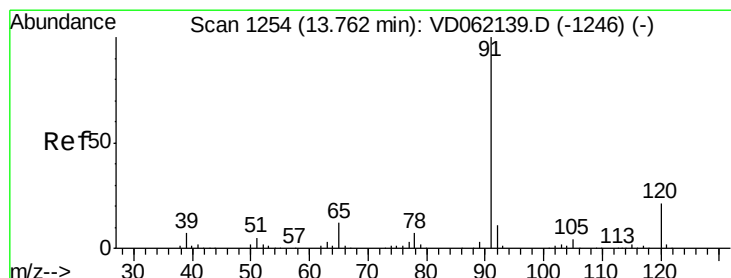
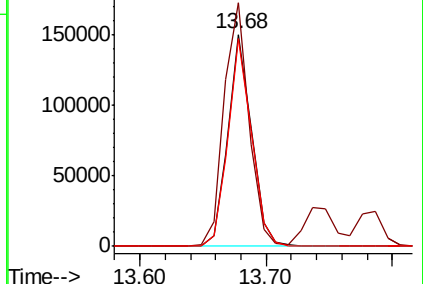
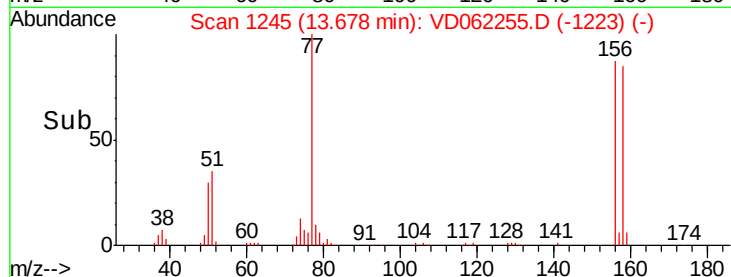
158 98.0 49.4 148.0



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: 25.807 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062255.D

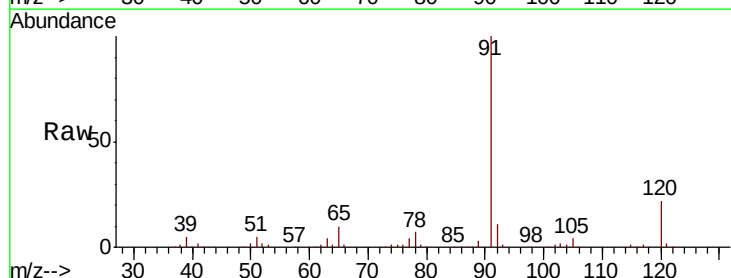
Acq: 12 May 2019 13:29

Tgt Ion: 91 Resp: 911458

Ion Ratio Lower Upper

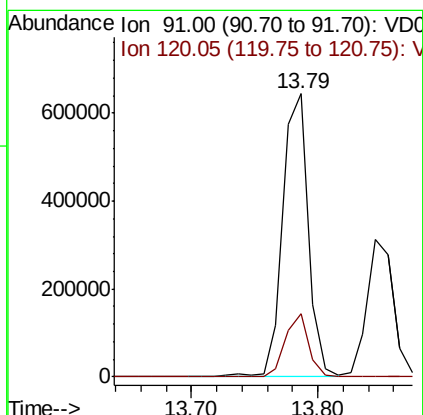
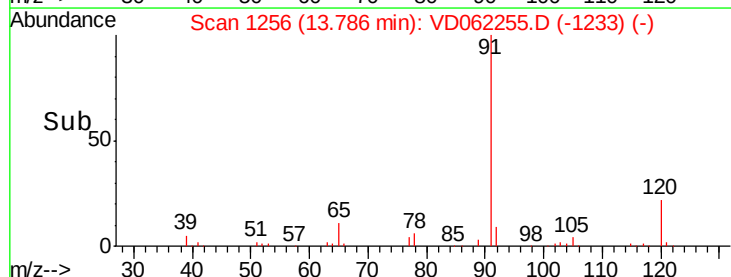
91 100

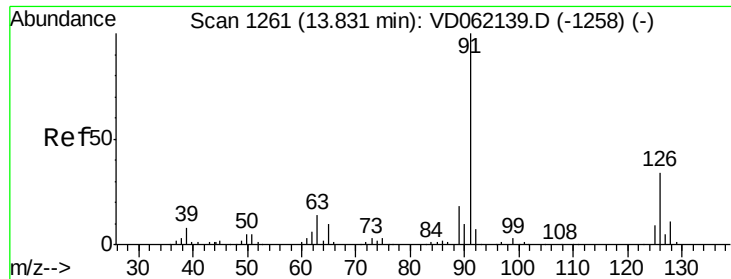
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

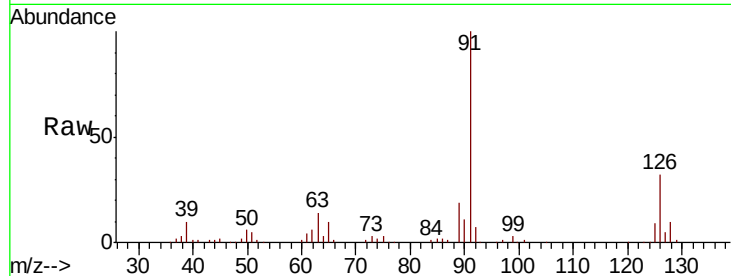




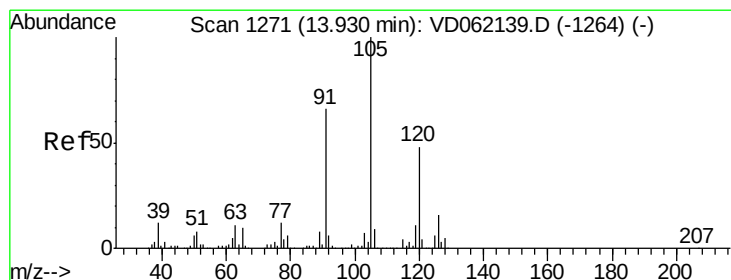
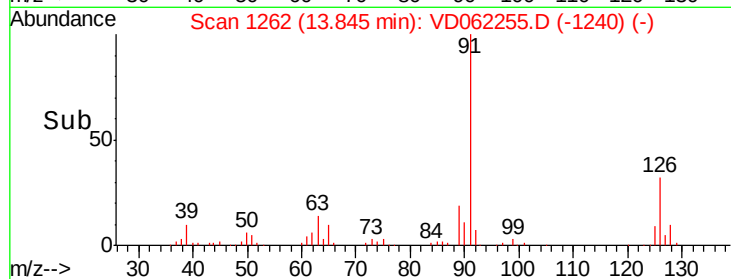
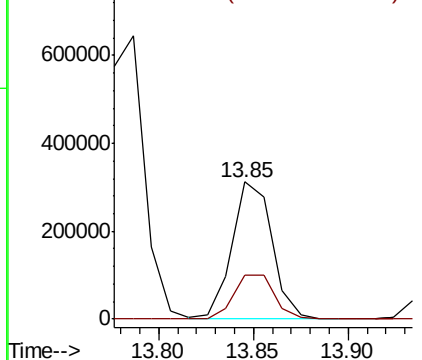
#79
 2-Chlorotoluene
 Concen: 22.291 ug/l
 RT: 13.85 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

Tot Ion: 91 Resp: 450898
 Ion Ratio Lower Upper
 91 100
 126 32.3 18.6 55.8

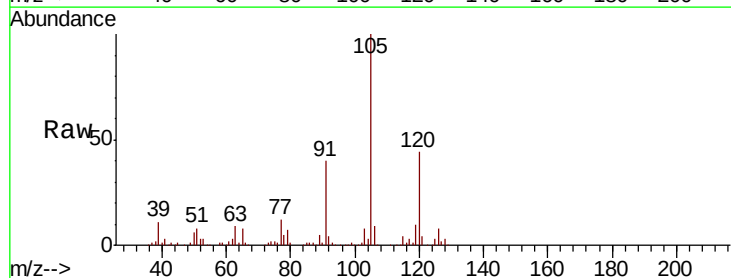


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

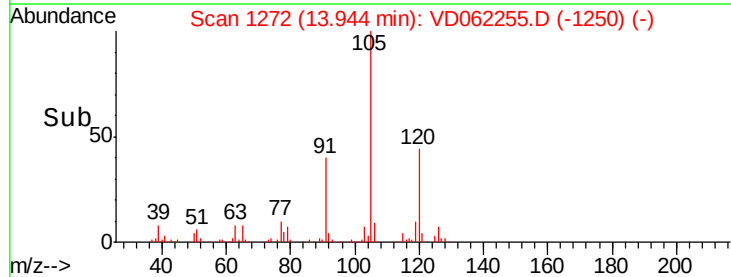
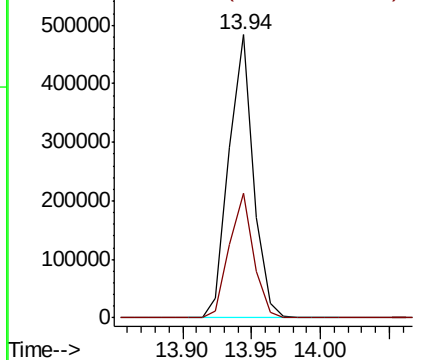


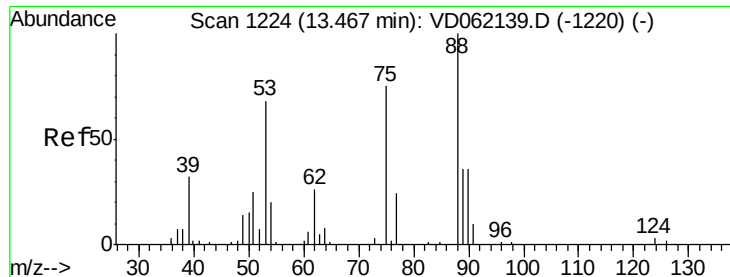
#80
 1,3,5-Trimethylbenzene
 Concen: 23.959 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion: 105 Resp: 597333
 Ion Ratio Lower Upper
 105 100
 120 44.0 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.372 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

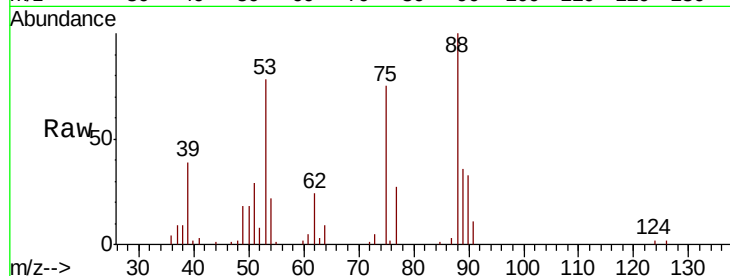
Tot Ion: 75 Resp: 35415

Ion Ratio Lower Upper

75 100

53 103.2 65.8 98.8#

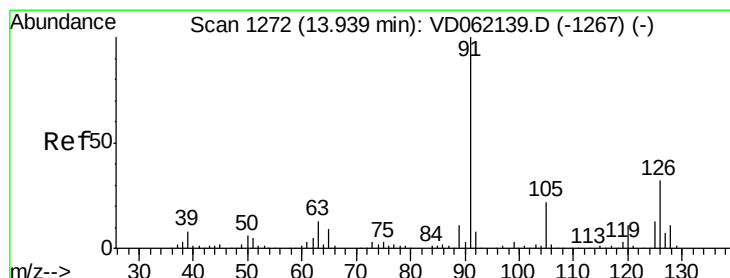
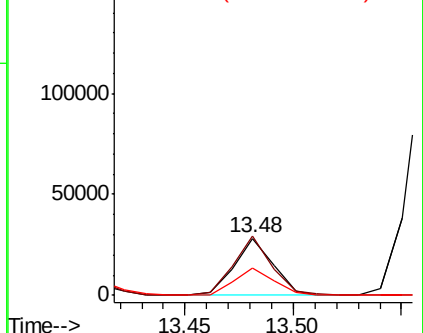
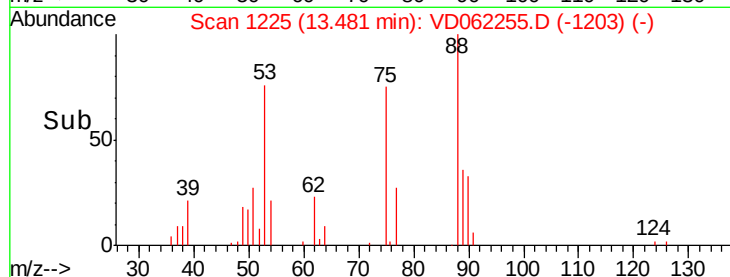
89 48.3 35.0 52.6



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: 24.734 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062255.D

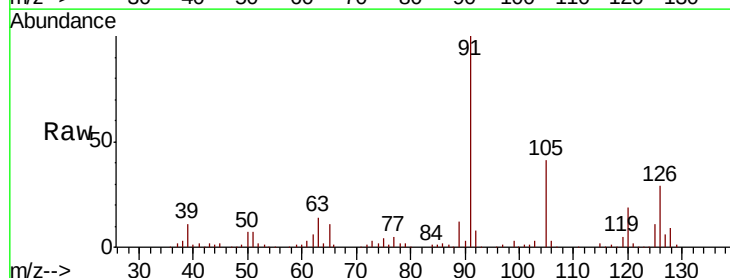
Acq: 12 May 2019 13:29

Tgt Ion: 91 Resp: 588740

Ion Ratio Lower Upper

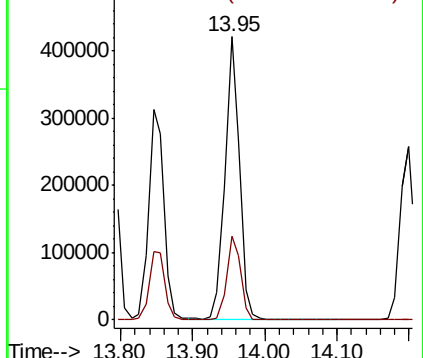
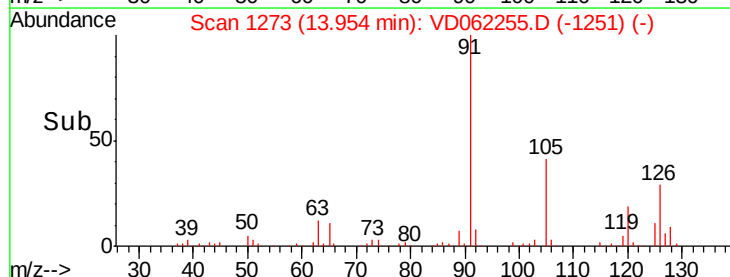
91 100

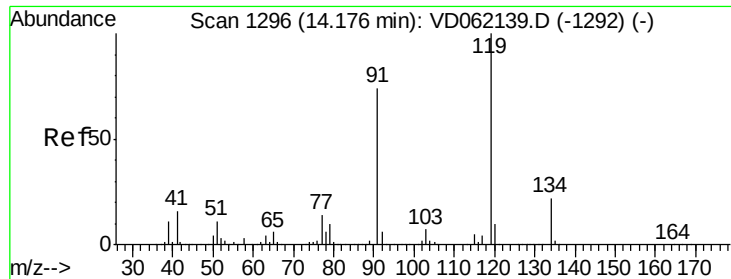
126 29.5 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

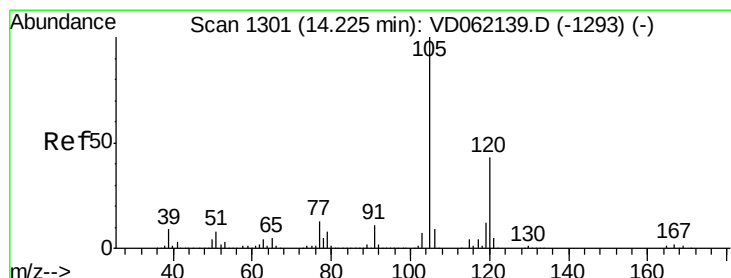
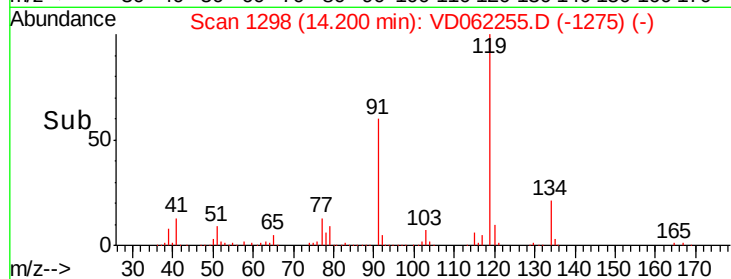
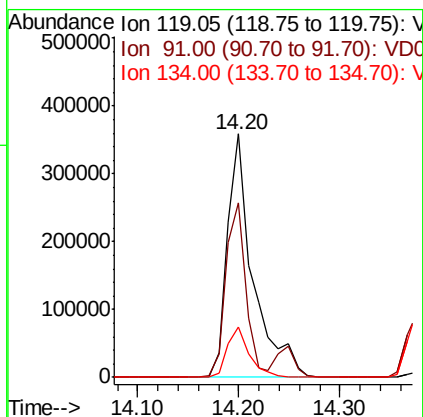
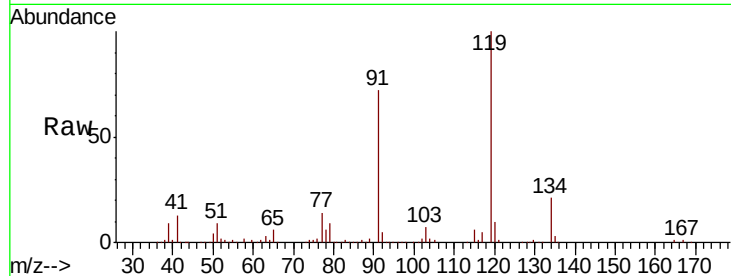




#83
 tert-Butylbenzene
 Concen: 22.483 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.02 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

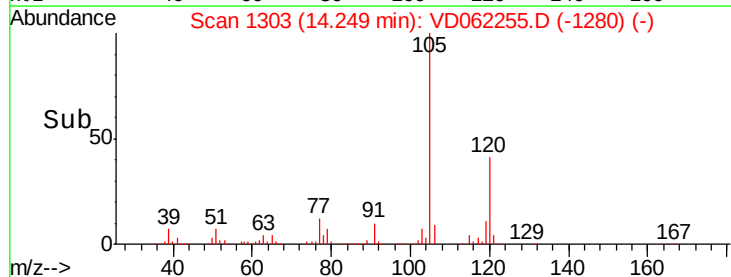
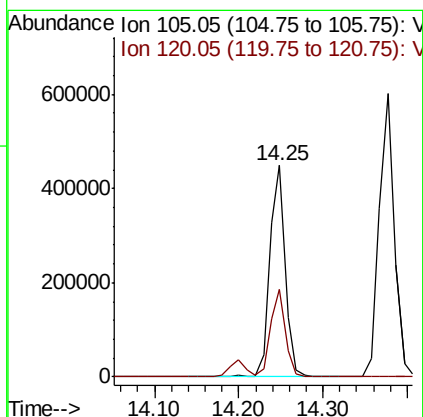
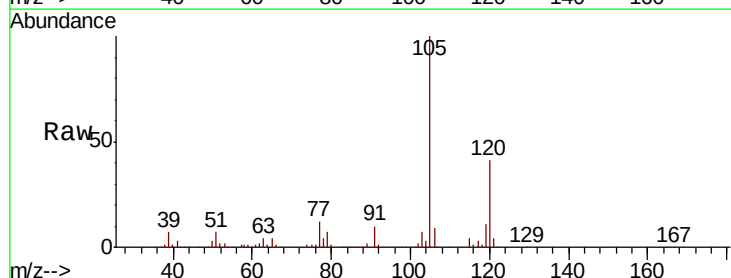
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

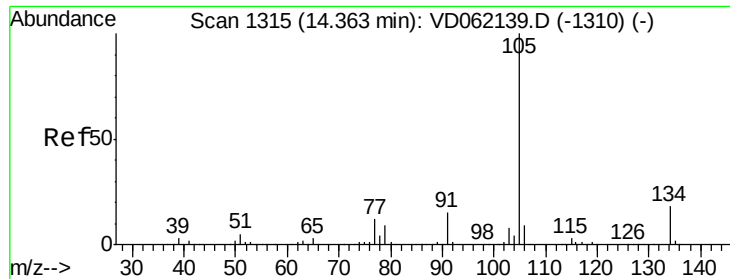
Tot Ion:119 Resp: 630055
 Ion Ratio Lower Upper
 119 100
 91 71.9 34.2 102.6
 134 20.7 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 23.122 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion:105 Resp: 578491
 Ion Ratio Lower Upper
 105 100
 120 41.3 23.1 69.2

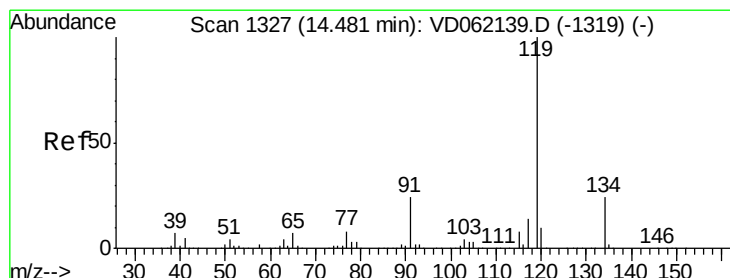
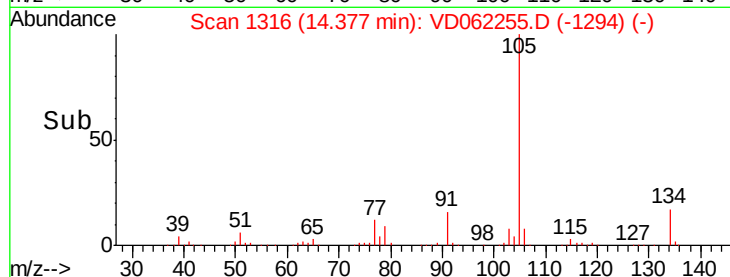
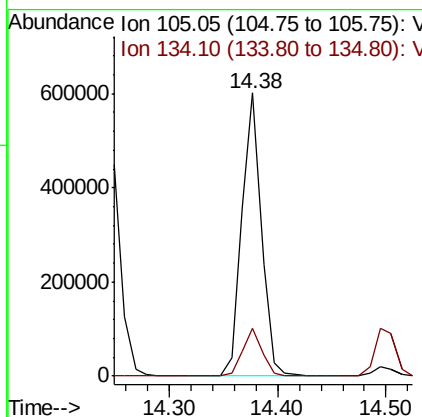
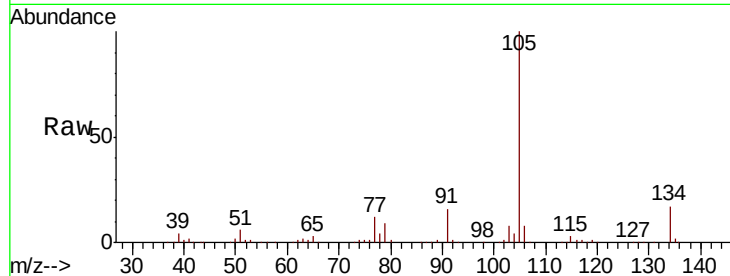




#85
 sec-Butylbenzene
 Concen: 24.572 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

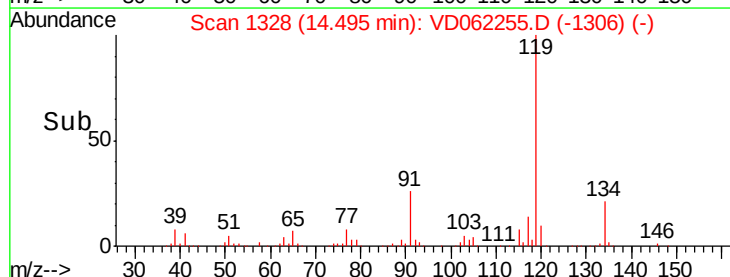
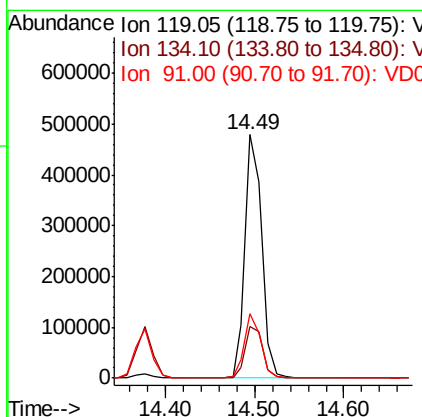
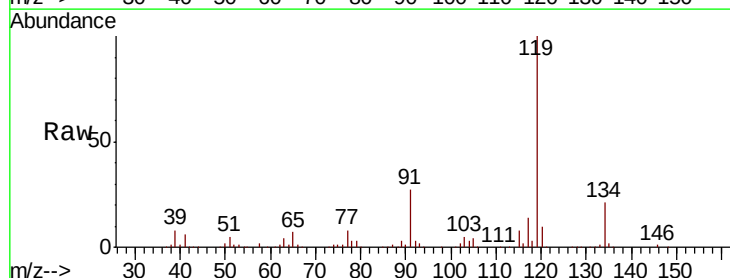
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

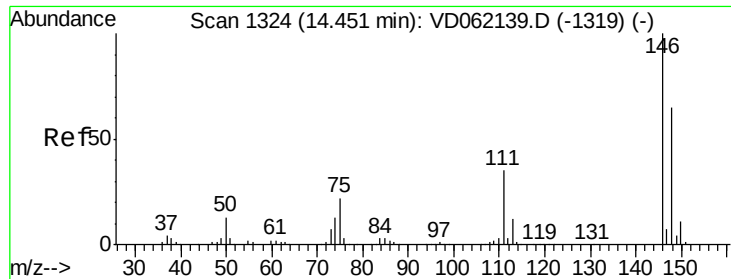
Tot Ion:105 Resp: 754965
 Ion Ratio Lower Upper
 105 100
 134 17.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 22.834 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion:119 Resp: 626802
 Ion Ratio Lower Upper
 119 100
 134 21.0 12.8 38.3
 91 26.6 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 21.010 ug/l

RT: 14.47 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBSD01

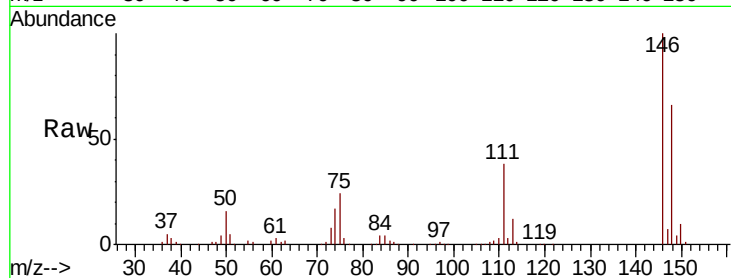
Tot Ion:146 Resp: 318108

Ion Ratio Lower Upper

146 100

111 38.1 20.0 60.0

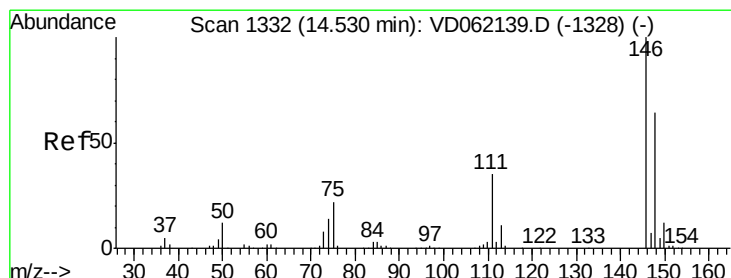
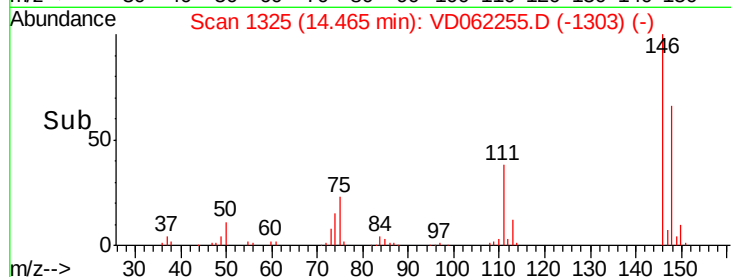
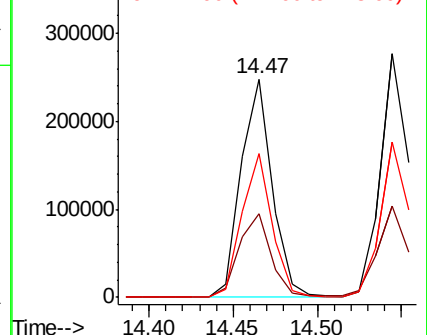
148 65.7 31.8 95.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 22.196 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

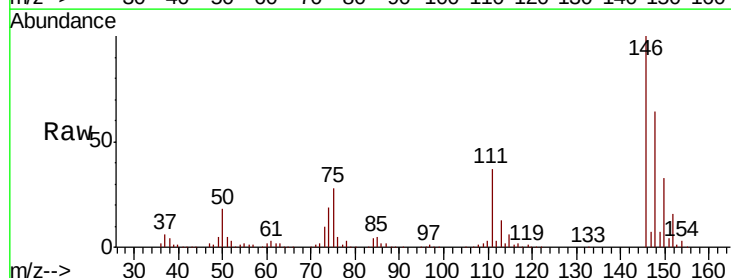
Tgt Ion:146 Resp: 330204

Ion Ratio Lower Upper

146 100

111 37.4 20.2 60.5

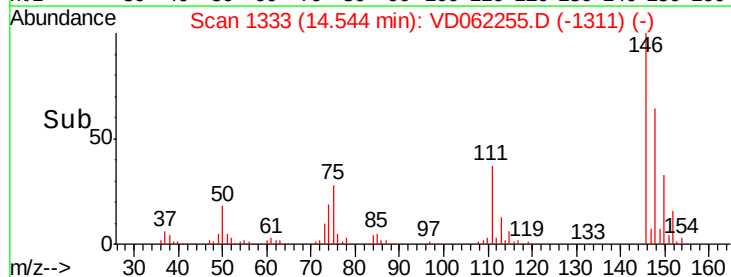
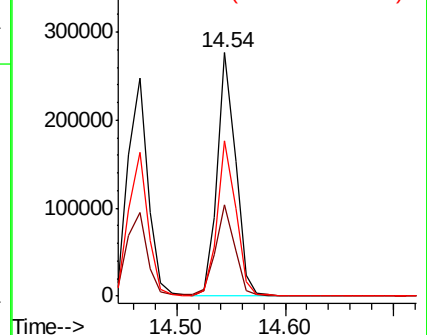
148 63.9 32.0 96.2

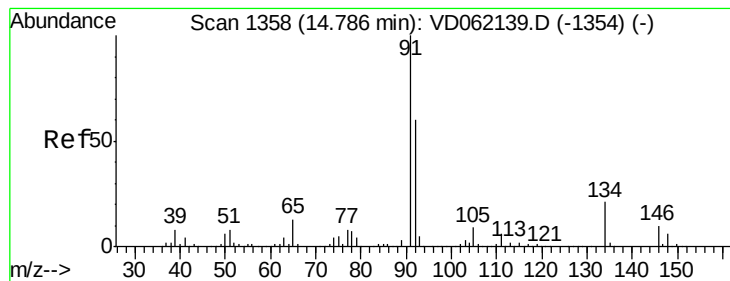


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 25.380 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.02 min

Lab File: VD062255.D

Acq: 12 May 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD0512SBS01

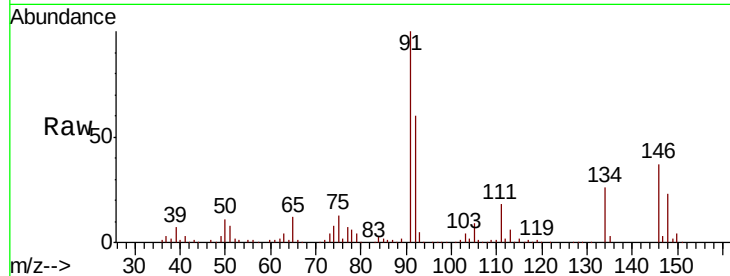
Tot Ion: 91 Resp: 625331

Ion Ratio Lower Upper

91 100

92 59.8 30.3 91.0

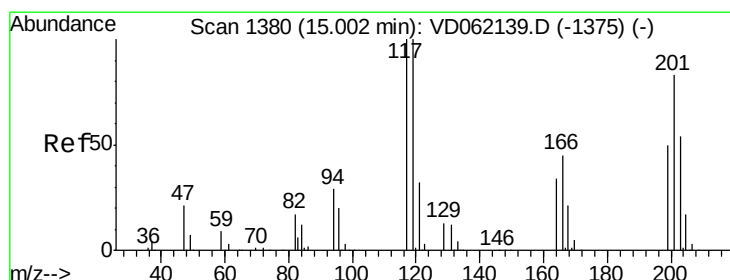
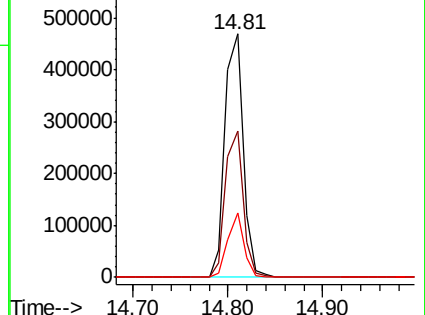
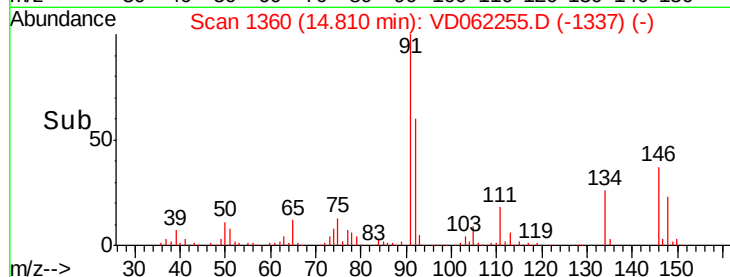
134 26.4 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 23.620 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD062255.D

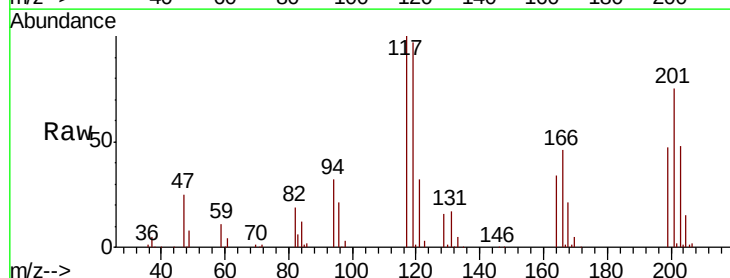
Acq: 12 May 2019 13:29

Tgt Ion: 117 Resp: 176325

Ion Ratio Lower Upper

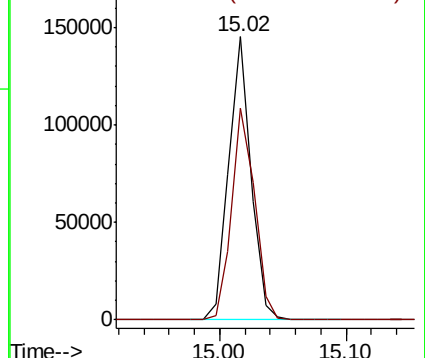
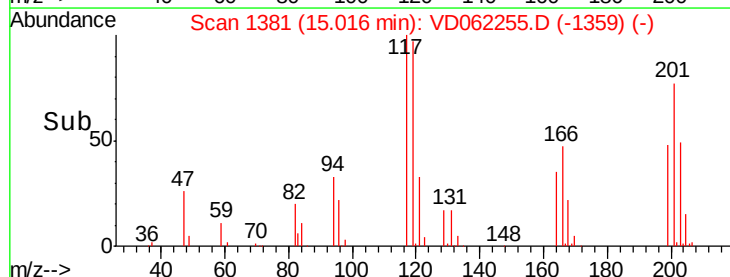
117 100

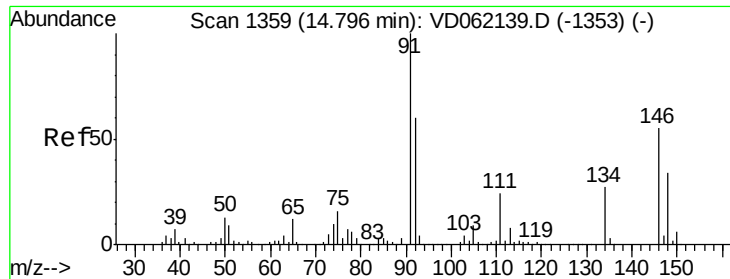
201 74.9 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

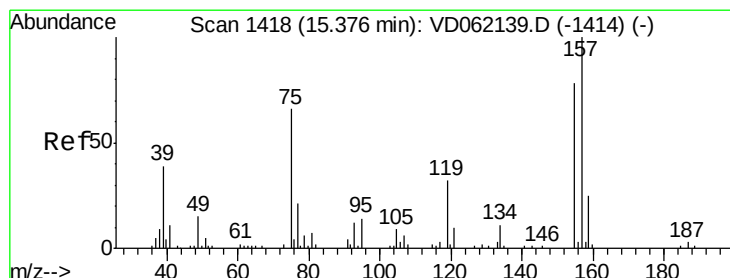
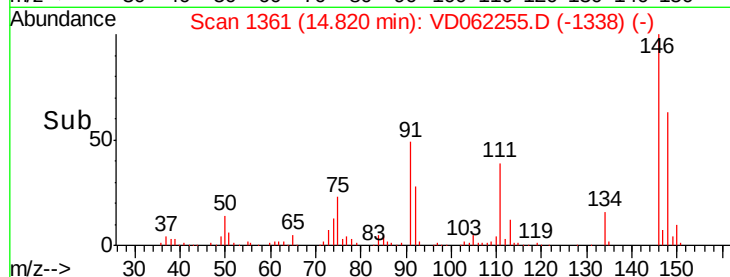
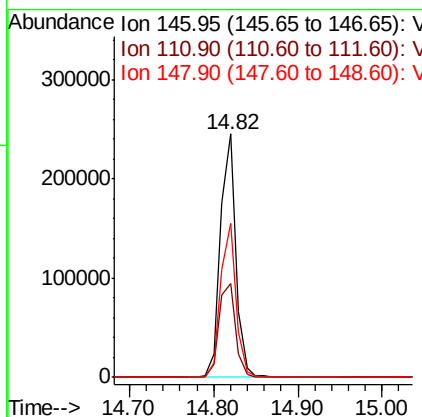
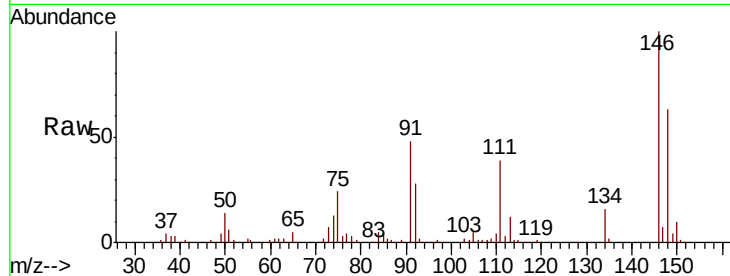




#91
 1,2-Dichlorobenzene
 Concen: 24.937 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

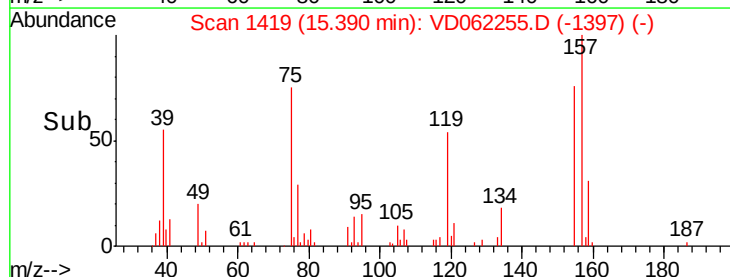
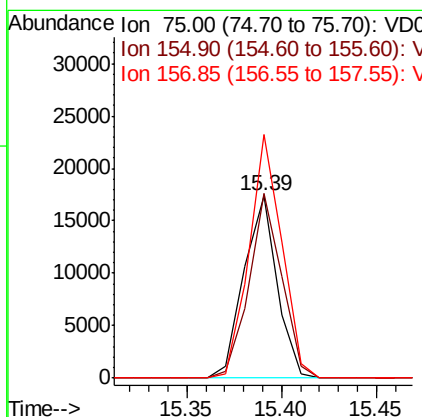
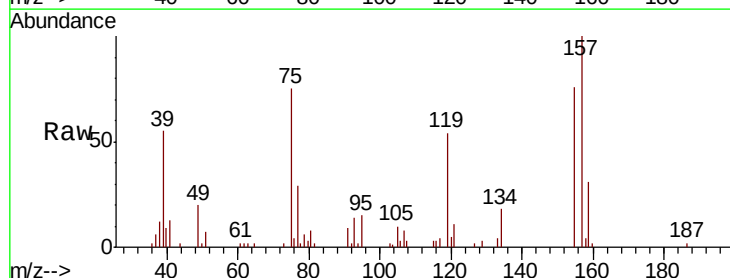
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBSD01

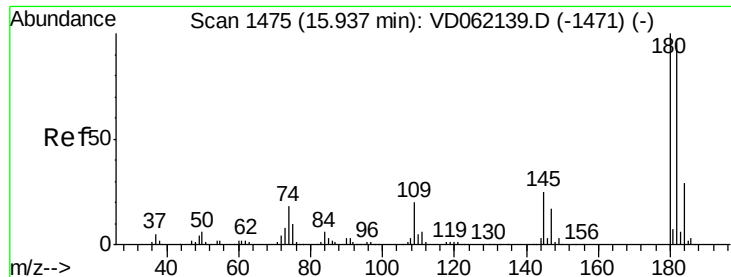
Tot Ion:146 Resp: 310949
 Ion Ratio Lower Upper
 146 100
 111 38.7 20.0 59.9
 148 63.3 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.809 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion: 75 Resp: 20986
 Ion Ratio Lower Upper
 75 100
 155 101.4 55.3 165.8
 157 133.5 67.8 203.2

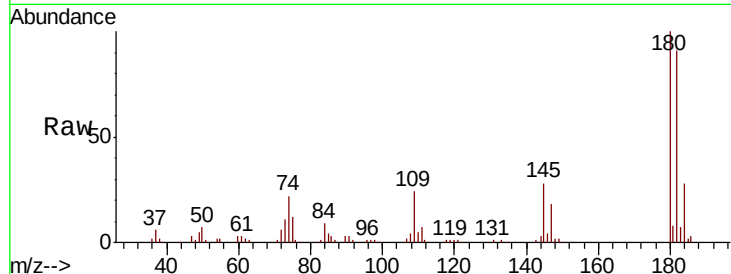




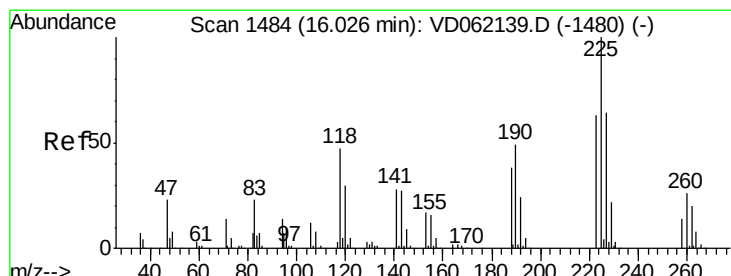
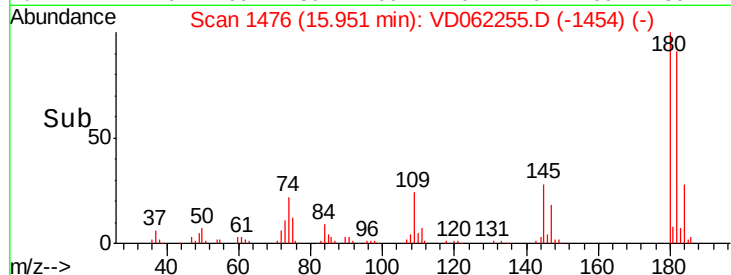
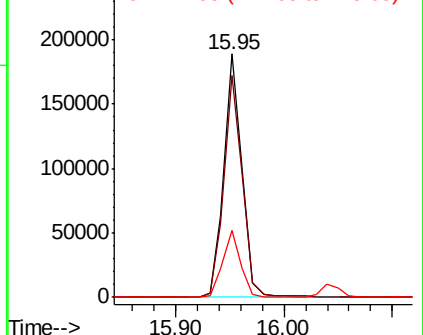
#93
 1,2,4-Trichlorobenzene
 Concen: 24.271 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBS01

Tot Ion:180 Resp: 220280
 Ion Ratio Lower Upper
 180 100
 182 91.2 49.3 147.8
 145 27.7 16.2 48.6

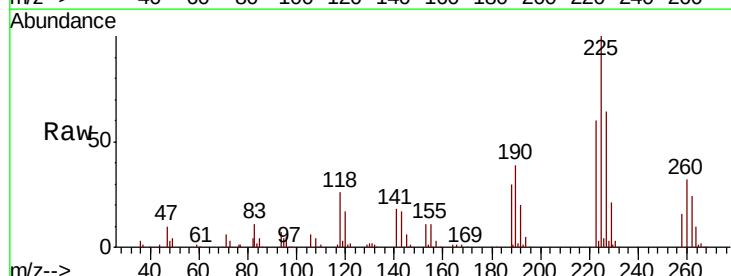


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

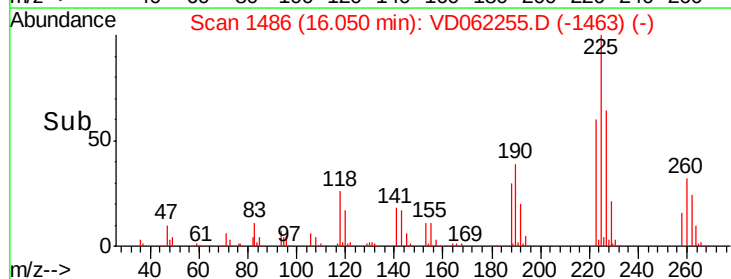
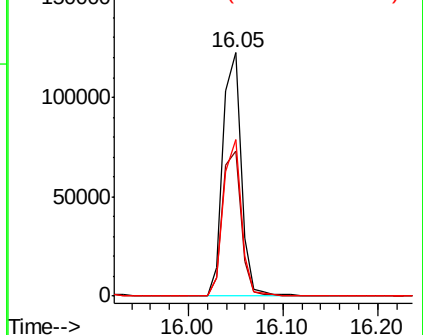


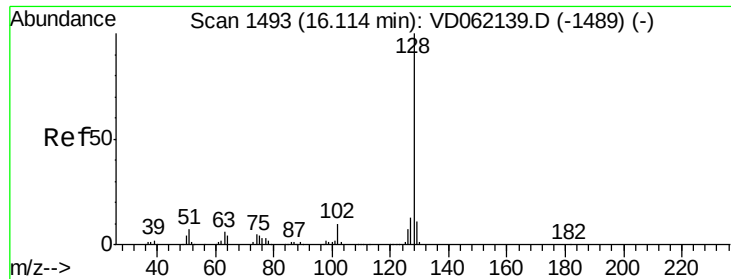
#94
 Hexachlorobutadiene
 Concen: 24.351 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062255.D
 Acq: 12 May 2019 13:29

Tgt Ion:225 Resp: 164377
 Ion Ratio Lower Upper
 225 100
 223 59.8 30.6 92.0
 227 64.2 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

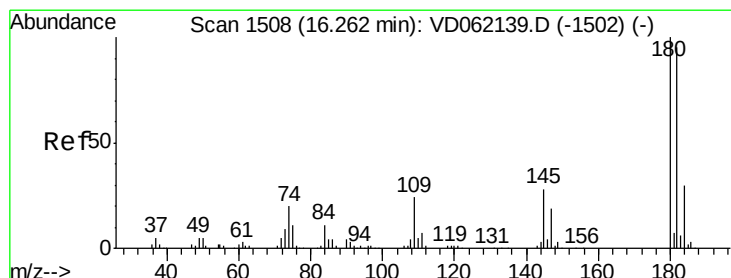
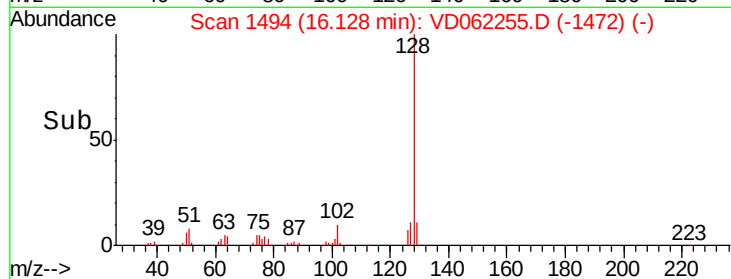
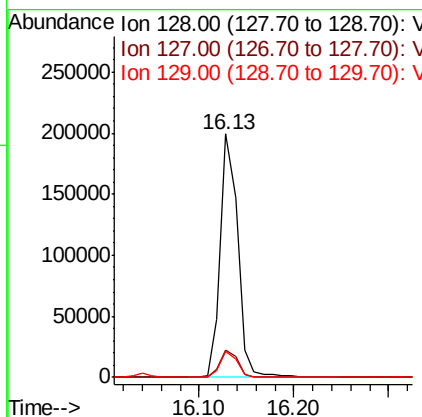
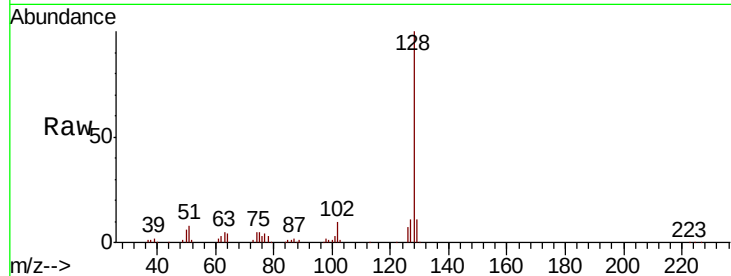




#95
Naphthalene
Concen: 20.144 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBSD01

Tot Ion:128 Resp: 255248
Ion Ratio Lower Upper
128 100
127 11.3 9.8 14.8
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 27.889 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062255.D
Acq: 12 May 2019 13:29

Tgt Ion:180 Resp: 159142
Ion Ratio Lower Upper
180 100
182 94.9 47.0 141.0
145 30.5 17.0 51.0

