

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062298.D
 Acq On : 13 May 2019 12:13
 Operator : FY/SY
 Sample : VD0513SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

Quant Time: May 14 05:08:29 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	697139	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.23	114	1034296	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	806077	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	444133	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	377469	58.26	ug/l	0.05
Spiked Amount 50.000			Recovery =	116.52%		
35) Dibromofluoromethane	6.94	113	412355	48.05	ug/l	0.05
Spiked Amount 50.000			Recovery =	96.10%		
50) Toluene-d8	10.43	98	894704	43.24	ug/l	0.03
Spiked Amount 50.000			Recovery =	86.48%		
62) 4-Bromofluorobenzene	13.57	95	366776	44.14	ug/l	0.02
Spiked Amount 50.000			Recovery =	88.28%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	129454	19.416	ug/l	95
3) Chloromethane	1.76	50	88723	18.416	ug/l #	87
4) Vinyl Chloride	1.86	62	88098	18.606	ug/l	100
5) Bromomethane	2.16	94	32049	28.887	ug/l #	96
6) Chloroethane	2.27	64	39780	20.022	ug/l	96
7) Trichlorofluoromethane	2.53	101	228354	24.807	ug/l	94
8) Diethyl Ether	2.89	74	33338	18.779	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.16	101	140803	20.220	ug/l	95
10) Methyl Iodide	3.32	142	158388	15.050	ug/l #	84
11) Tert butyl alcohol	4.10	59	36775	111.204	ug/l	99
12) 1,1-Dichloroethene	3.14	96	91951	17.298	ug/l	88
13) Acrolein	3.05	56	28029	81.946	ug/l	96
14) Allyl chloride	3.64	41	158583	20.519	ug/l #	81
15) Acrylonitrile	4.22	53	88548	101.870	ug/l	94
16) Acetone	3.24	43	151141	111.245	ug/l #	82
17) Carbon Disulfide	3.39	76	250908	16.409	ug/l	96
18) Methyl Acetate	3.67	43	51800	21.143	ug/l	94
19) Methyl tert-butyl Ether	4.26	73	249619	21.909	ug/l	96
20) Methylene Chloride	3.83	84	121334	21.389	ug/l	94
21) trans-1,2-Dichloroethene	4.24	96	115695	19.560	ug/l	93
22) Diisopropyl ether	5.14	45	341720	20.777	ug/l	92
23) Vinyl Acetate	5.08	43	1020441	117.597	ug/l	96
24) 1,1-Dichloroethane	5.01	63	213027	21.471	ug/l	99
25) 2-Butanone	6.09	43	155946	105.231	ug/l	92
26) 2,2-Dichloropropane	6.05	77	232544	23.529	ug/l	98
27) cis-1,2-Dichloroethene	6.06	96	127199	19.212	ug/l	90
28) Bromochloromethane	6.46	49	95795	24.541	ug/l #	80
29) Tetrahydrofuran	6.48	42	75191	110.119	ug/l	92
30) Chloroform	6.69	83	270820	22.649	ug/l	96
31) Cyclohexane	6.97	56	127707	18.788	ug/l	95
32) 1,1,1-Trichloroethane	6.89	97	271598	24.031	ug/l	96
36) 1,1-Dichloropropene	7.17	75	170586	20.116	ug/l	97
37) Ethyl Acetate	6.21	43	74155	20.619	ug/l #	91
38) Carbon Tetrachloride	7.13	117	238627	20.330	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062298.D
 Acq On : 13 May 2019 12:13
 Operator : FY/SY
 Sample : VD0513SBSD01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBSD01

Quant Time: May 14 05:08:29 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	151181	18.607	ug/l	93
40) Benzene	7.47	78	356445	18.614	ug/l	98
41) Methacrylonitrile	6.48	41	96384	21.931	ug/l #	78
42) 1,2-Dichloroethane	7.60	62	185983	22.923	ug/l	87
43) Isopropyl Acetate	9.26	43	98375	19.288	ug/l	94
44) Trichloroethene	8.56	130	129206	17.707	ug/l	90
45) 1,2-Dichloropropane	8.96	63	94404	19.931	ug/l	96
46) Dibromomethane	9.08	93	80481	20.895	ug/l	92
47) Bromodichloromethane	9.39	83	203029	21.549	ug/l	98
48) Methyl methacrylate	9.14	41	71485	22.754	ug/l #	78
49) 1,4-Dioxane	9.10	88	12948	381.981	ug/l #	85
51) 4-Methyl-2-Pentanone	10.32	43	355882	108.547	ug/l	92
52) Toluene	10.52	92	232615	18.670	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	169996	20.877	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	171875	19.348	ug/l #	83
55) 1,1,2-Trichloroethane	11.20	97	85390	19.370	ug/l	96
56) Ethyl methacrylate	11.07	69	85564	18.678	ug/l	97
57) 1,3-Dichloropropane	11.42	76	128535	19.299	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.88	63	267288	106.817	ug/l	97
59) 2-Hexanone	11.55	43	249286	103.162	ug/l	89
60) Dibromochloromethane	11.70	129	155437	20.402	ug/l	99
61) 1,2-Dibromoethane	11.81	107	102712	19.164	ug/l	93
64) Tetrachloroethene	11.27	164	125597	19.926	ug/l	96
65) Chlorobenzene	12.41	112	288607	19.223	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	144126	22.058	ug/l	95
67) Ethyl Benzene	12.53	91	547388	21.778	ug/l	93
68) m/p-Xylenes	12.68	106	373607	40.855	ug/l	82
69) o-Xylene	13.05	106	173903	20.455	ug/l	75
70) Styrene	13.08	104	302549	21.008	ug/l	94
71) Bromoform	13.24	173	97256	21.394	ug/l	97
73) Isopropylbenzene	13.41	105	571743	21.476	ug/l	92
74) N-amyl acetate	13.27	43	140478	20.126	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	102920	20.421	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	109107	20.671	ug/l	99
77) Bromobenzene	13.68	156	141802	19.027	ug/l	93
78) n-propylbenzene	13.78	91	618878	19.487	ug/l	95
79) 2-Chlorotoluene	13.85	91	392552	21.583	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	458336	20.445	ug/l	88
81) trans-1,4-Dichloro-2-buten	13.49	75	27520	18.469	ug/l #	84
82) 4-Chlorotoluene	13.96	91	462118	21.591	ug/l	89
83) tert-Butylbenzene	14.20	119	496786	19.715	ug/l	89
84) 1,2,4-Trimethylbenzene	14.24	105	459384	20.420	ug/l	89
85) sec-Butylbenzene	14.37	105	554285	20.063	ug/l	97
86) p-Isopropyltoluene	14.50	119	487750	19.760	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	251131	18.446	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	255482	19.099	ug/l	93
89) n-Butylbenzene	14.81	91	488480	22.048	ug/l	94
90) Hexachloroethane	15.01	117	140451	20.923	ug/l	98
91) 1,2-Dichlorobenzene	14.82	146	240826	21.479	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	18985	22.947	ug/l	77

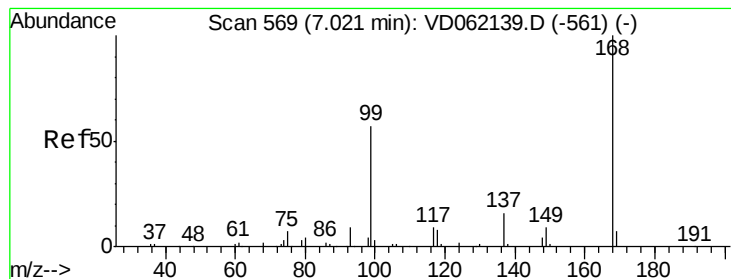
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
Data File : VD062298.D
Acq On : 13 May 2019 12:13
Operator : FY/SY
Sample : VD0513SBSD01
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBSD01

Quant Time: May 14 05:08:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	164029	20.099	ug/l	97
94) Hexachlorobutadiene	16.05	225	122769	20.226	ug/l	98
95) Naphthalene	16.13	128	236082	20.721	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	111248	21.681	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

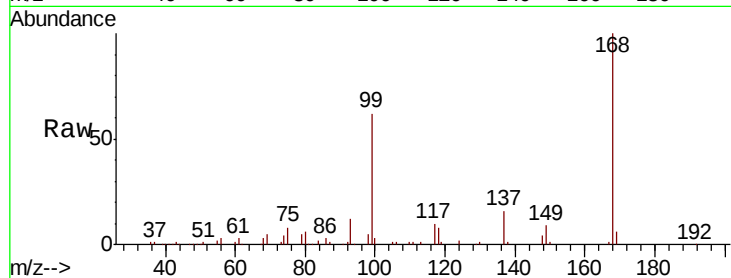
VD0513SBSD01

Tot Ion:168 Resp: 697139

Ion Ratio Lower Upper

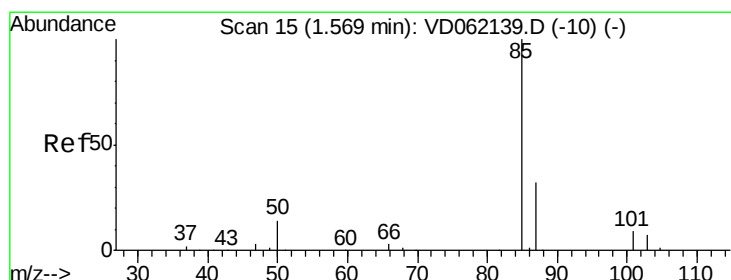
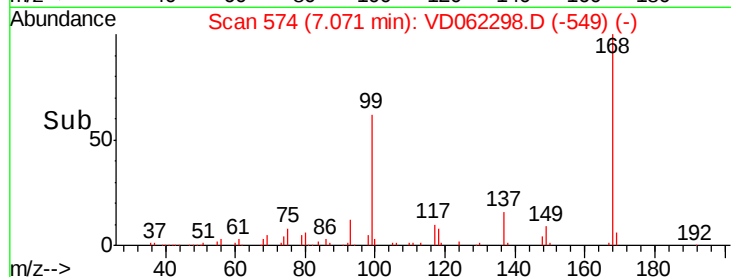
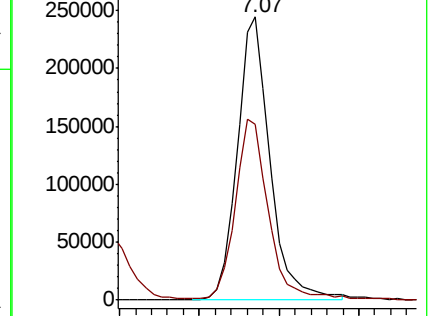
168 100

99 62.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.416 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD062298.D

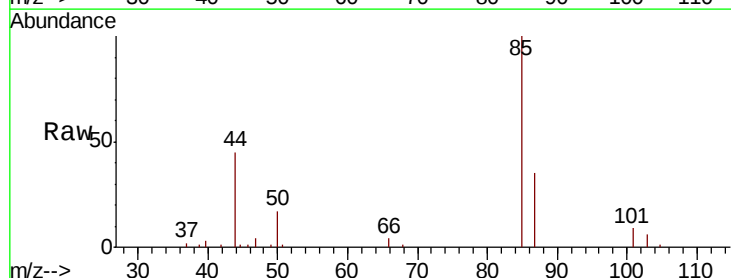
Acq: 13 May 2019 12:13

Tgt Ion: 85 Resp: 129454

Ion Ratio Lower Upper

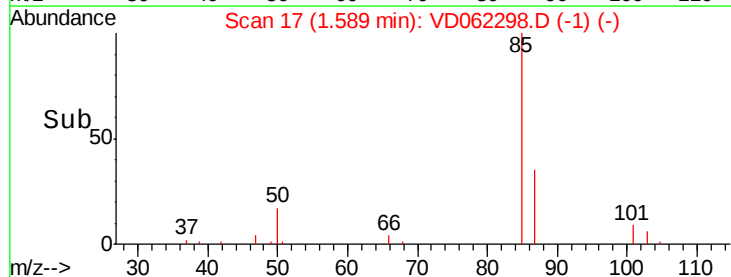
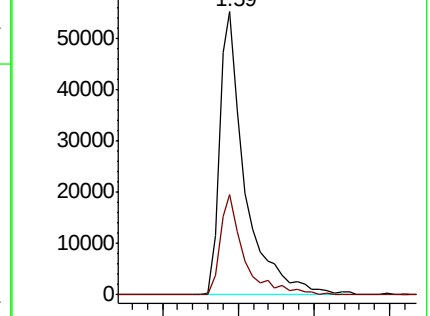
85 100

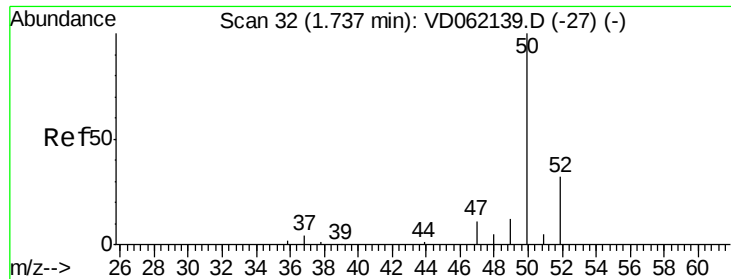
87 35.5 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.416 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

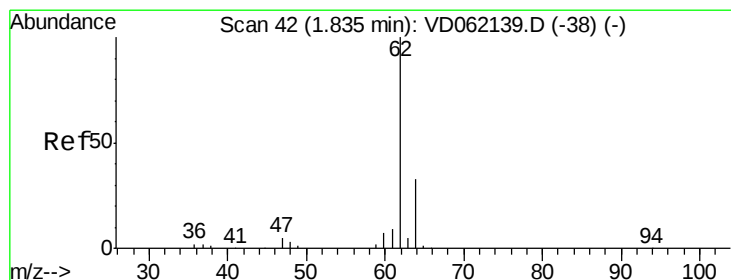
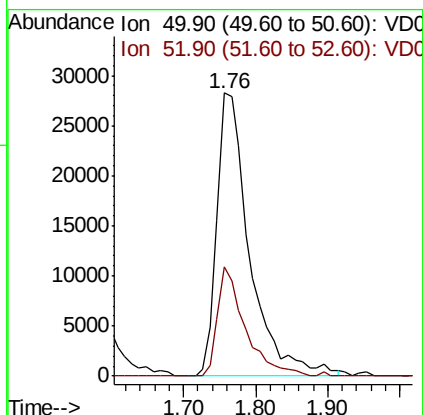
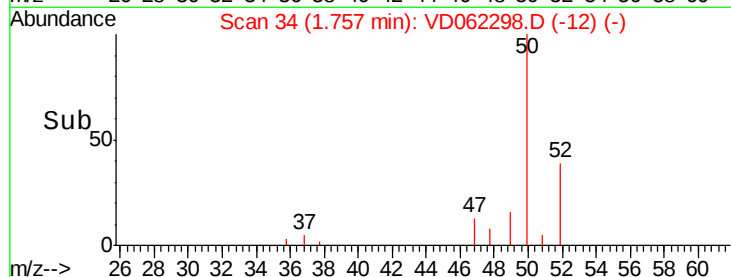
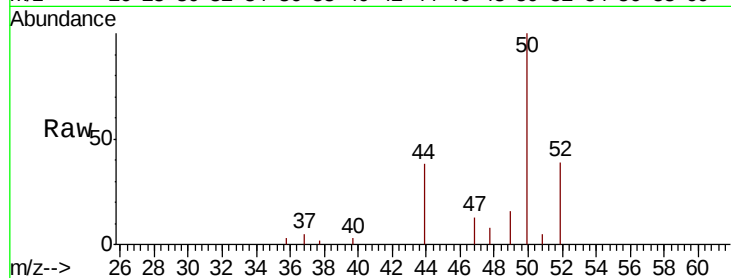
VD0513SBSD01

Tot Ion: 50 Resp: 88723

Ion Ratio Lower Upper

50 100

52 38.8 25.2 37.8#



#4

Vinyl Chloride

Concen: 18.606 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.03 min

Lab File: VD062298.D

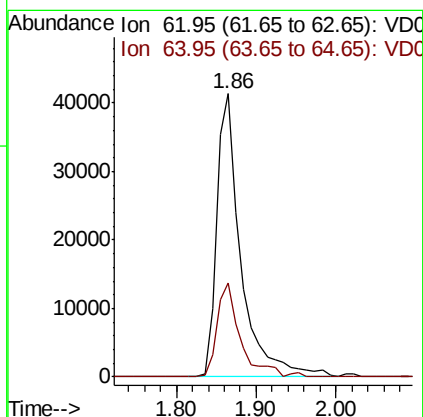
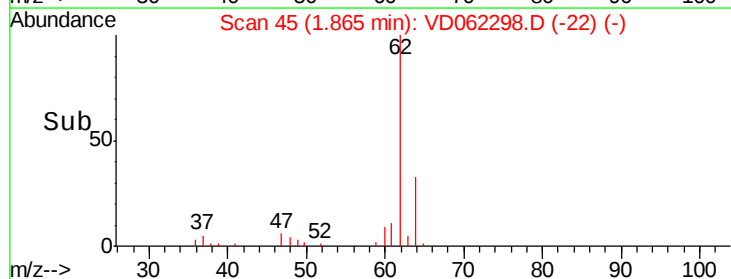
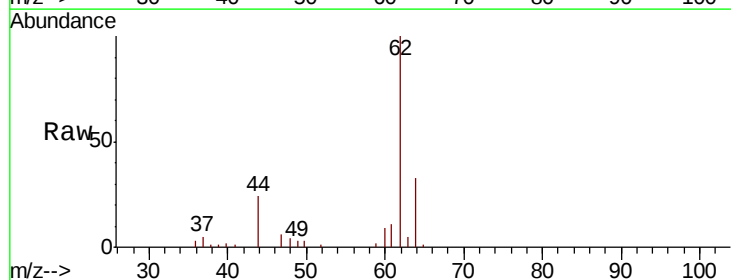
Acq: 13 May 2019 12:13

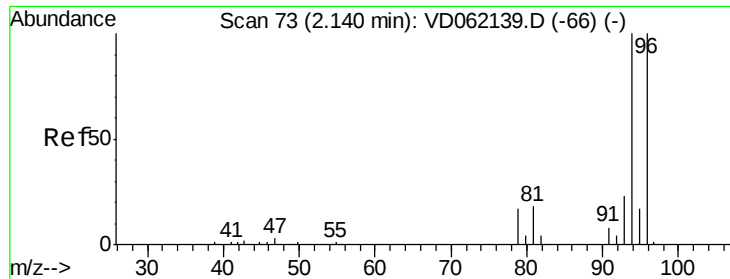
Tgt Ion: 62 Resp: 88098

Ion Ratio Lower Upper

62 100

64 33.2 26.5 39.7





#5

Bromomethane

Concen: 28.887 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBSD01

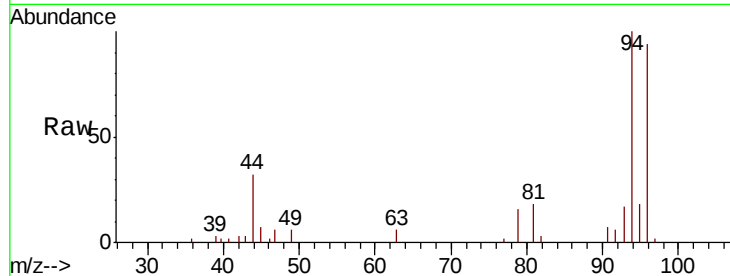
Tot Ion: 94 Resp: 32049

Ion Ratio Lower Upper

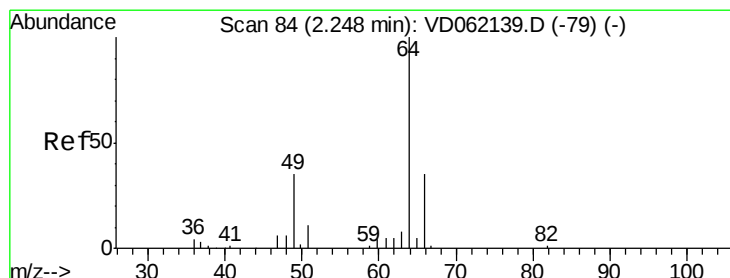
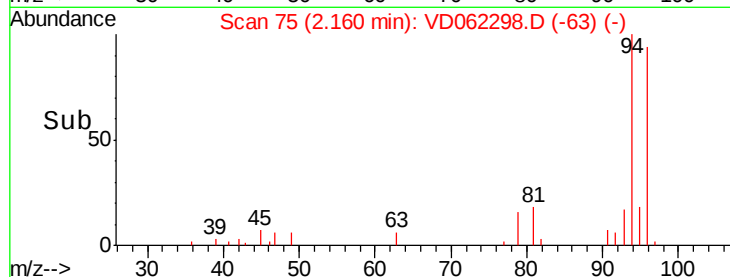
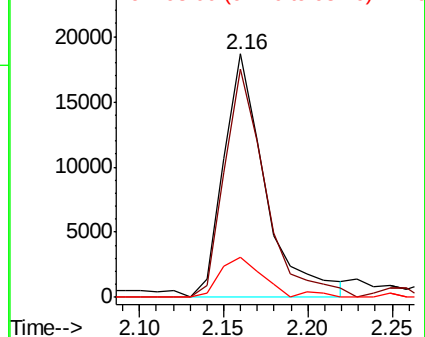
94 100

96 93.6 76.6 115.0

93 16.5 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: 20.022 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.02 min

Lab File: VD062298.D

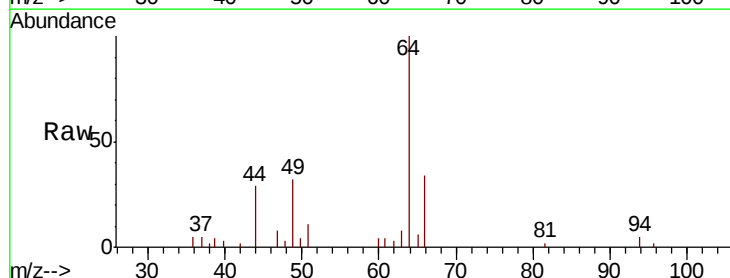
Acq: 13 May 2019 12:13

Tgt Ion: 64 Resp: 39780

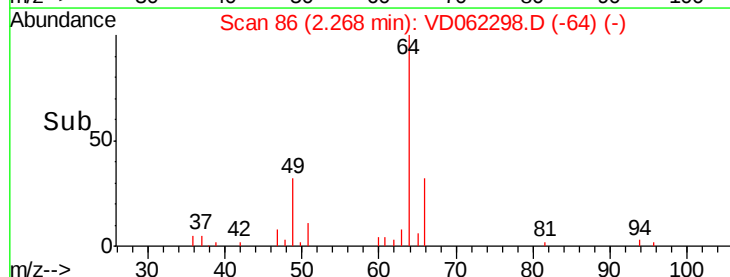
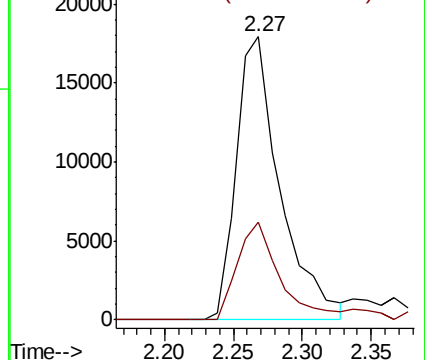
Ion Ratio Lower Upper

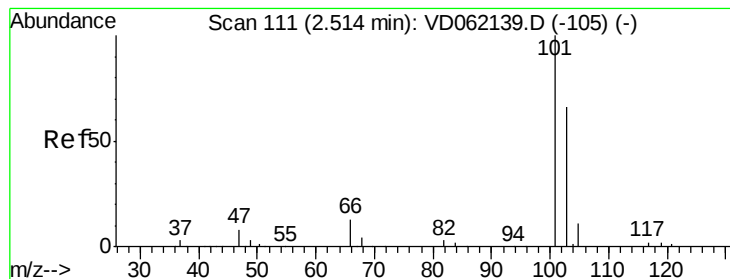
64 100

66 34.4 25.6 38.4



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



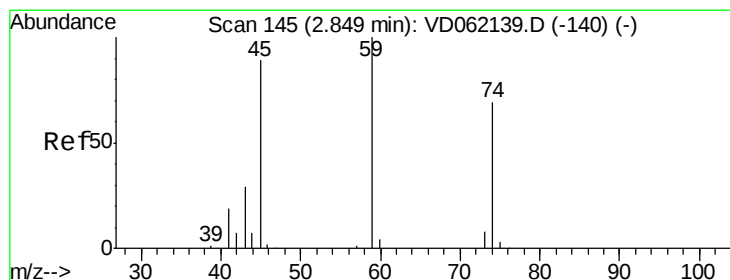
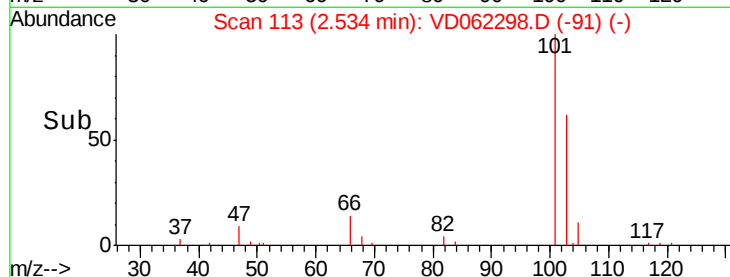
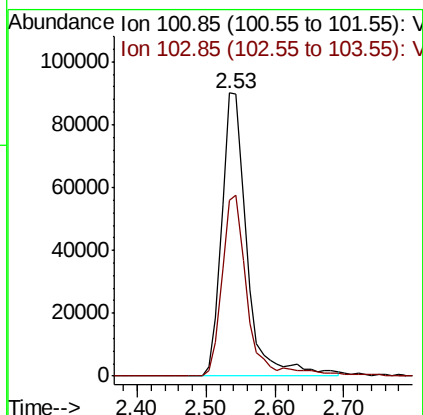
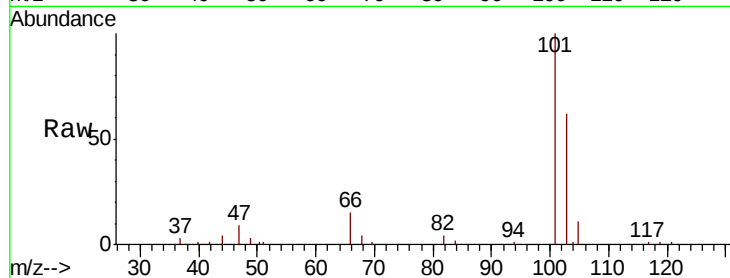


#7

Trichlorofluoromethane
 Concen: 24.807 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBSD01

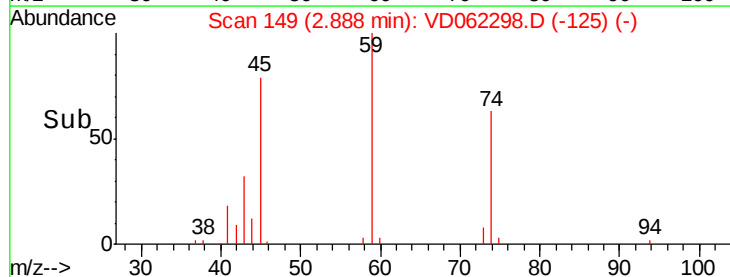
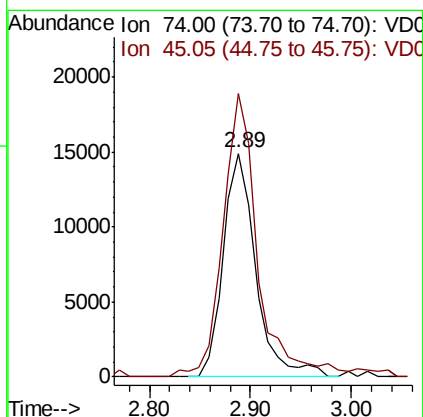
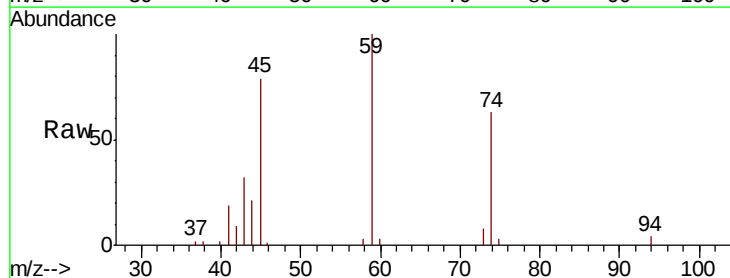
Tot Ion:101 Resp: 228354
 Ion Ratio Lower Upper
 101 100
 103 62.0 53.6 80.4

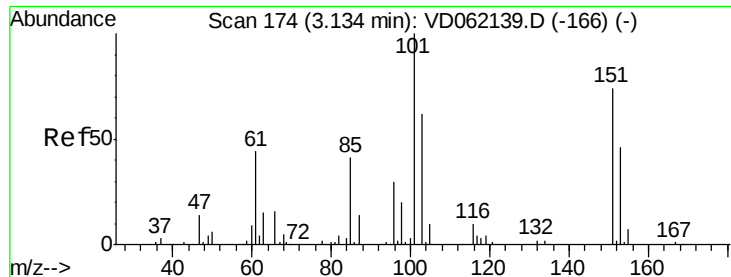


#8

Diethyl Ether
 Concen: 18.779 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.04 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Tgt Ion: 74 Resp: 33338
 Ion Ratio Lower Upper
 74 100
 45 126.5 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.220 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

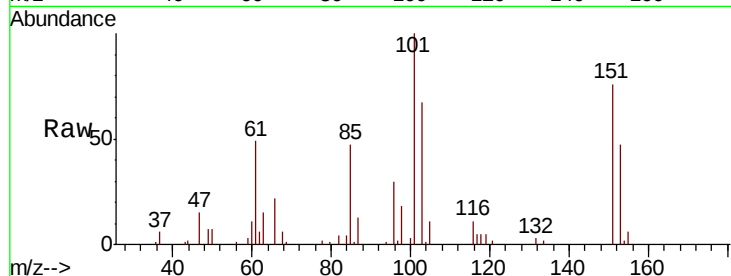
Tot Ion:101 Resp: 140803

Ion Ratio Lower Upper

101 100

85 46.6 32.4 48.6

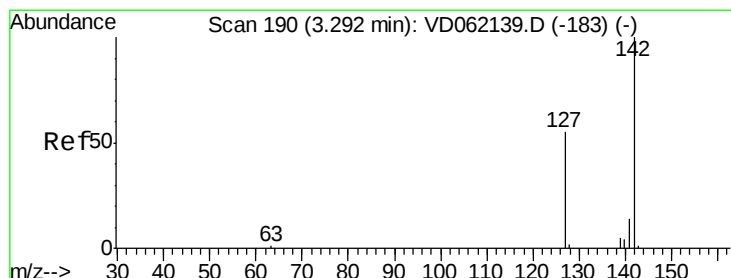
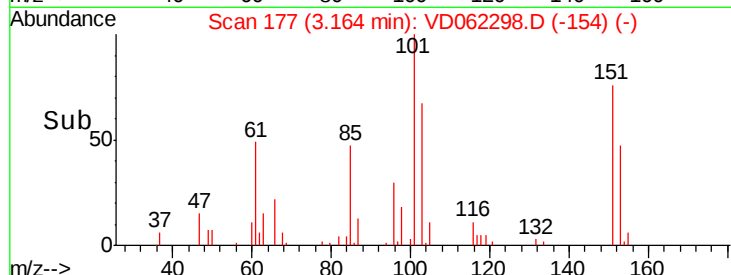
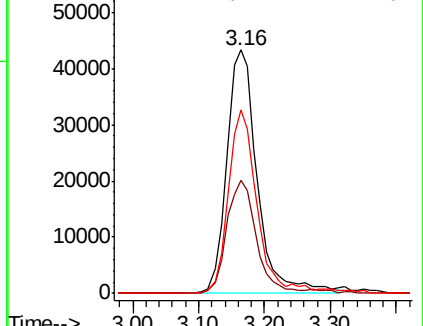
151 75.6 59.4 89.0



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: 15.050 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

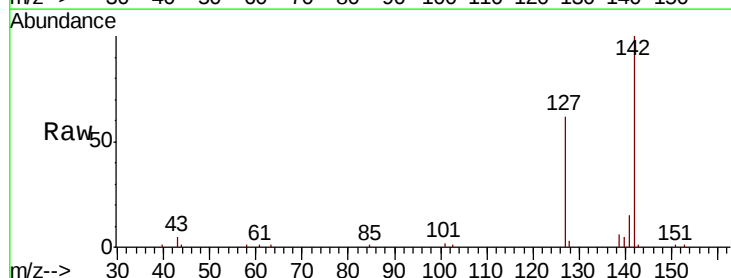
Tgt Ion:142 Resp: 158388

Ion Ratio Lower Upper

142 100

127 62.4 38.8 58.2#

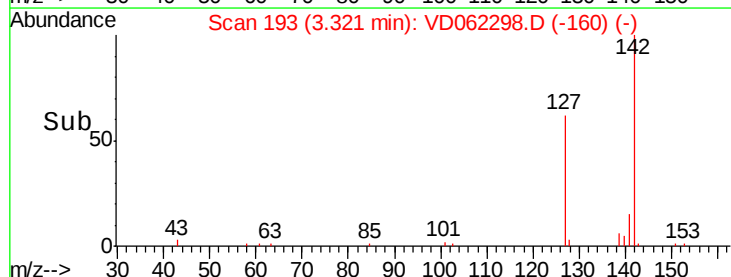
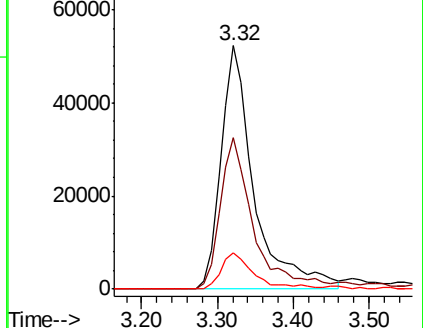
141 14.9 11.4 17.0

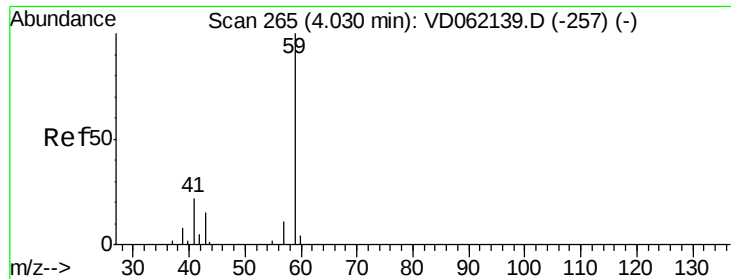


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

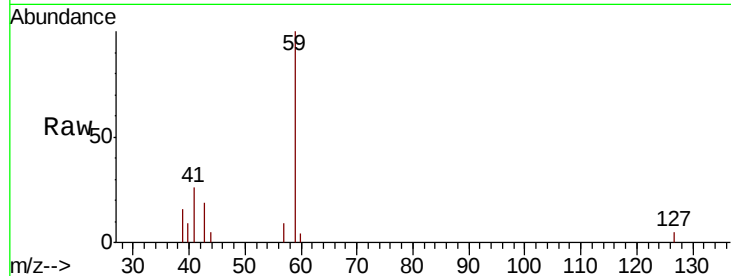




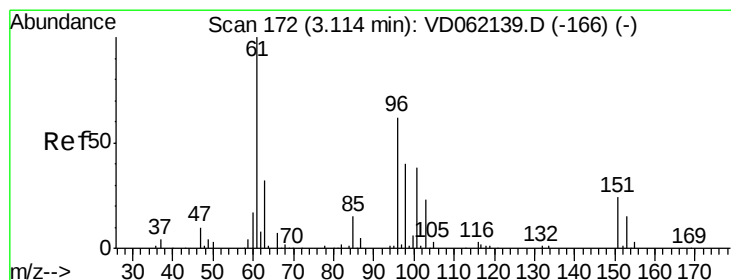
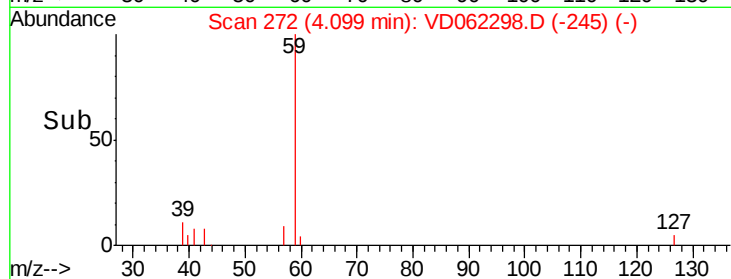
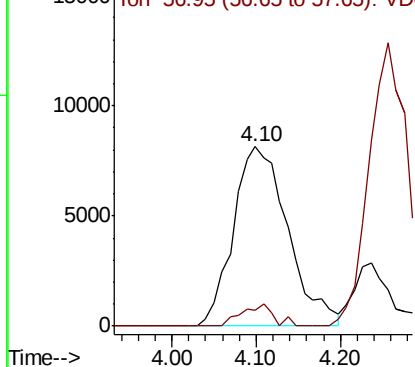
#11
Tert butyl alcohol
Concen: 111.204 ug/l
RT: 4.10 min Scan# 272
Delta R.T. 0.07 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBSD01

Tot Ion: 59 Resp: 36775
Ion Ratio Lower Upper
59 100
57 9.0 6.9 10.3

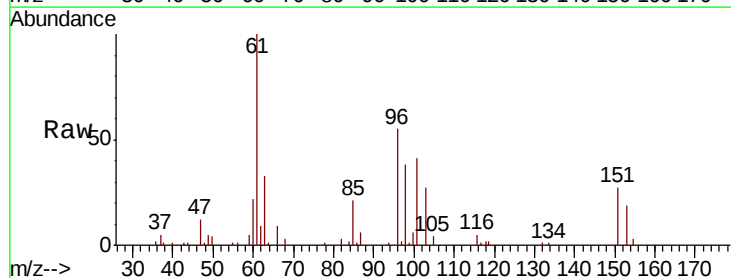


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

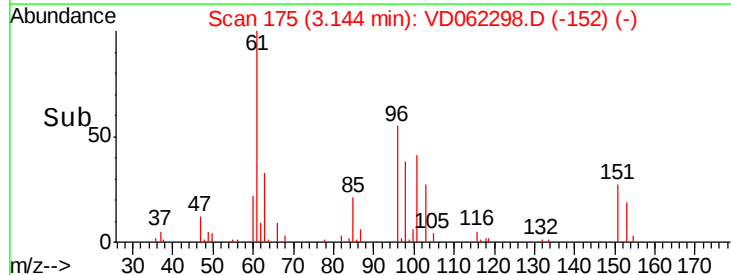
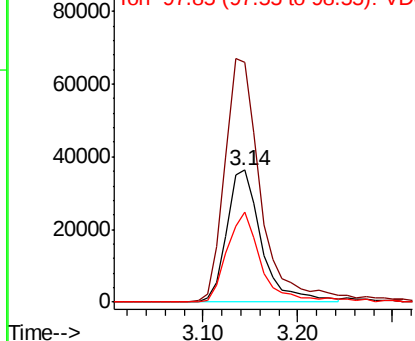


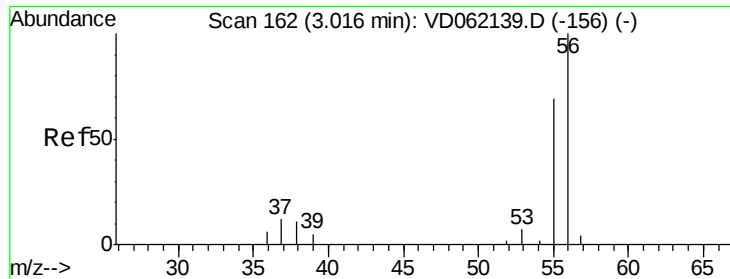
#12
1,1-Dichloroethene
Concen: 17.298 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.03 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion: 96 Resp: 91951
Ion Ratio Lower Upper
96 100
61 181.3 129.8 194.8
98 68.3 51.2 76.8



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





#13

Acrolein

Concen: 81.946 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

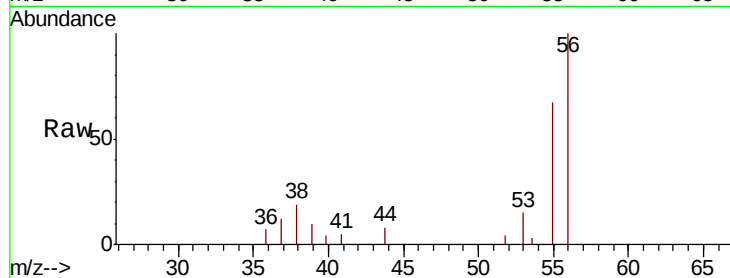
VD0513SBSD01

Tot Ion: 56 Resp: 28029

Ion Ratio Lower Upper

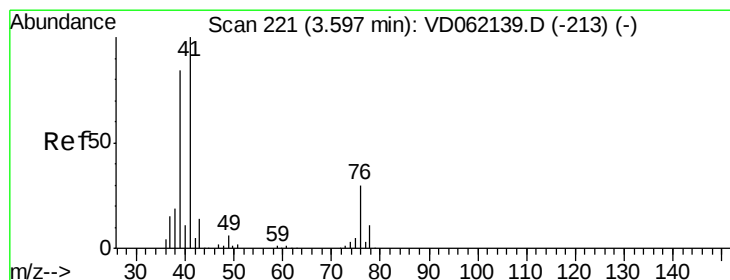
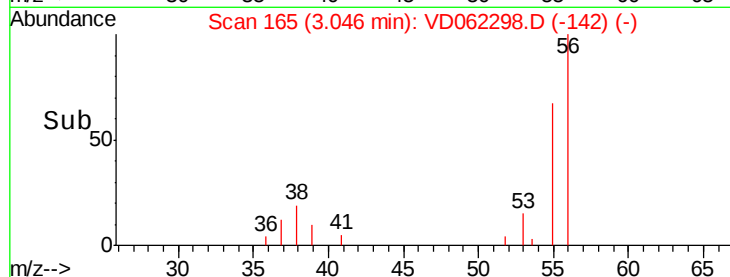
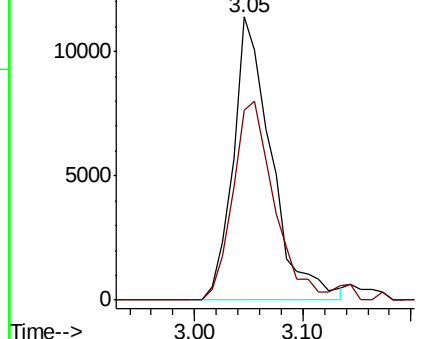
56 100

55 67.3 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: 20.519 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.04 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

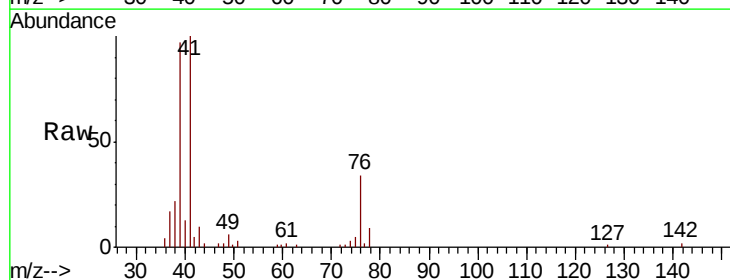
Tgt Ion: 41 Resp: 158583

Ion Ratio Lower Upper

41 100

39 96.7 60.5 90.7#

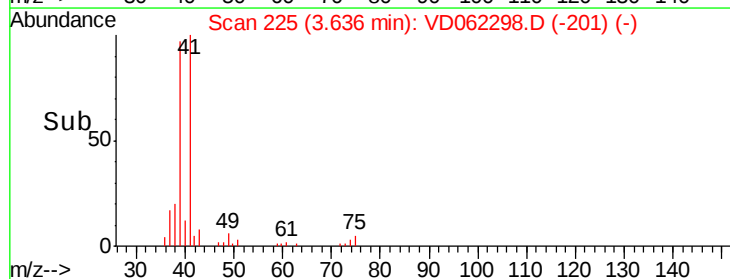
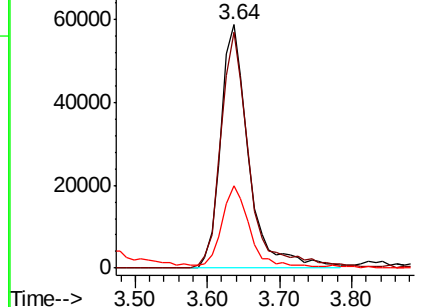
76 33.9 31.8 47.8



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: 101.870 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.05 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

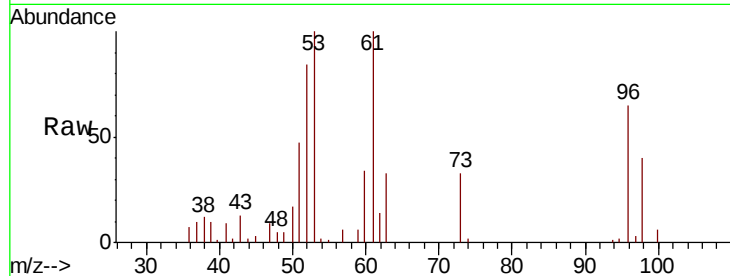
Tot Ion: 53 Resp: 88548

Ion Ratio Lower Upper

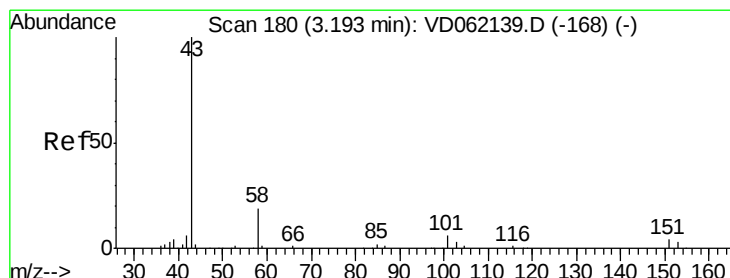
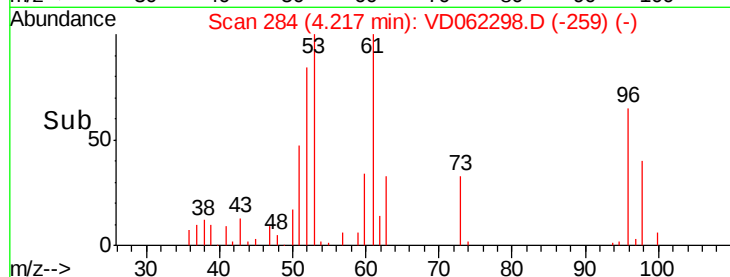
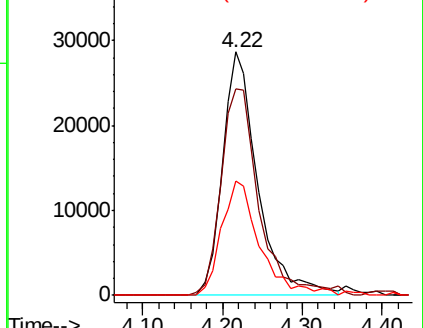
53 100

52 84.6 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: 111.245 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD062298.D

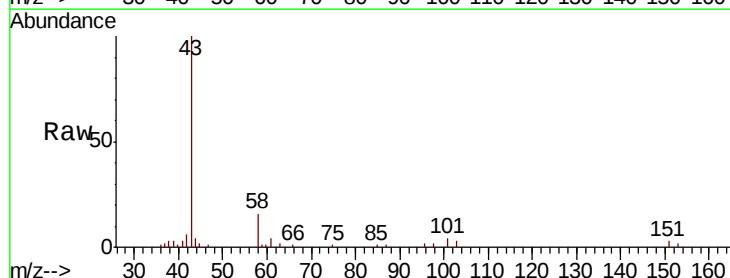
Acq: 13 May 2019 12:13

Tgt Ion: 43 Resp: 151141

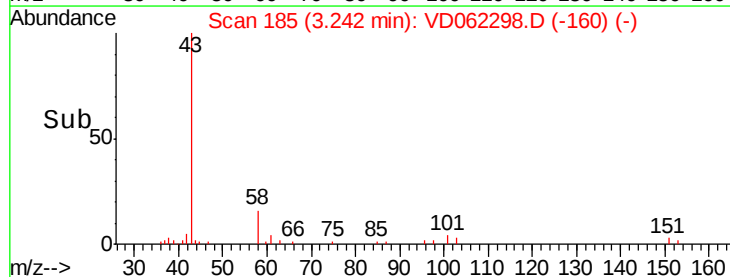
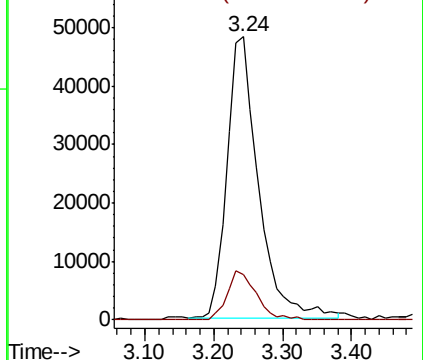
Ion Ratio Lower Upper

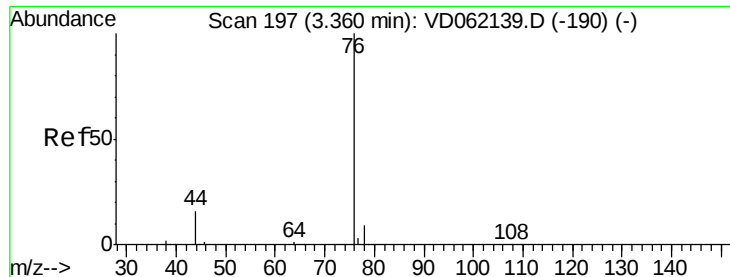
43 100

58 16.1 19.9 29.9#



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

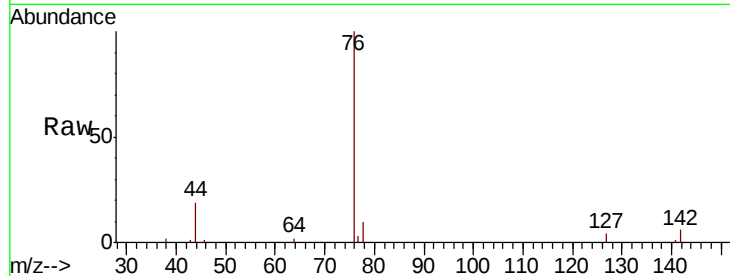




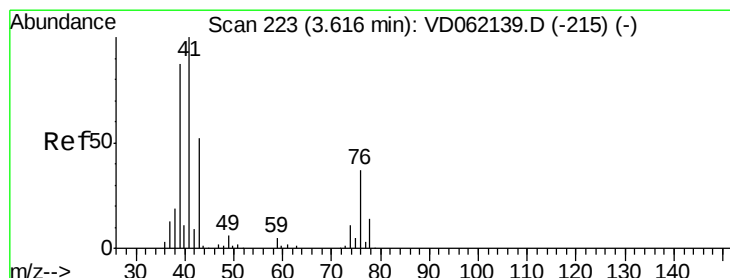
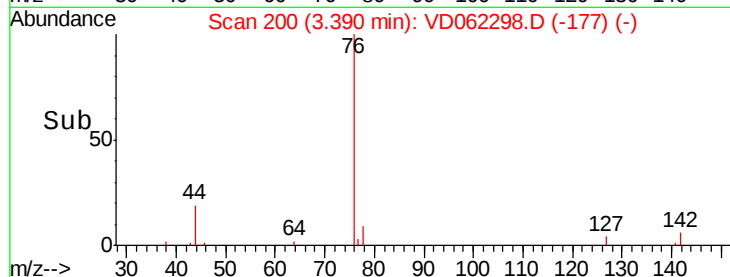
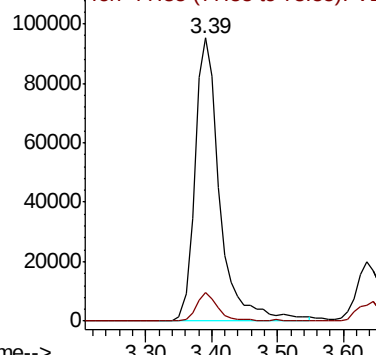
#17
Carbon Disulfide
Concen: 16.409 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.03 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBSD01

Tot Ion: 76 Resp: 250908
Ion Ratio Lower Upper
76 100
78 10.3 7.2 10.8

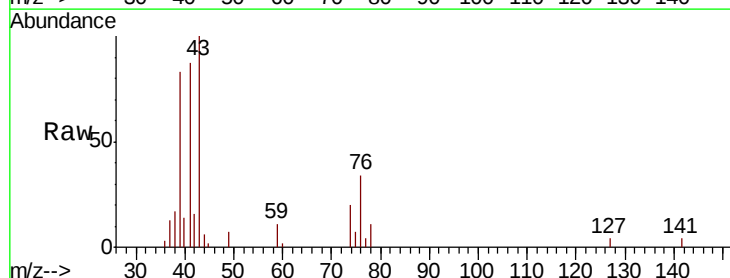


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

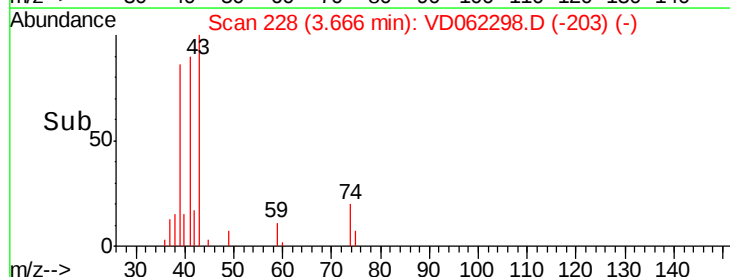
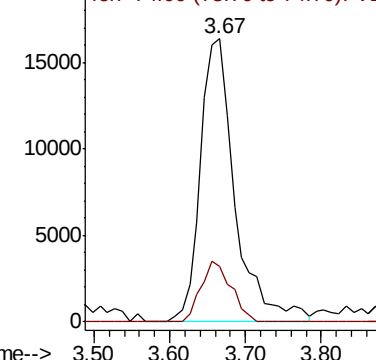


#18
Methyl Acetate
Concen: 21.143 ug/l
RT: 3.67 min Scan# 228
Delta R.T. 0.05 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion: 43 Resp: 51800
Ion Ratio Lower Upper
43 100
74 19.6 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

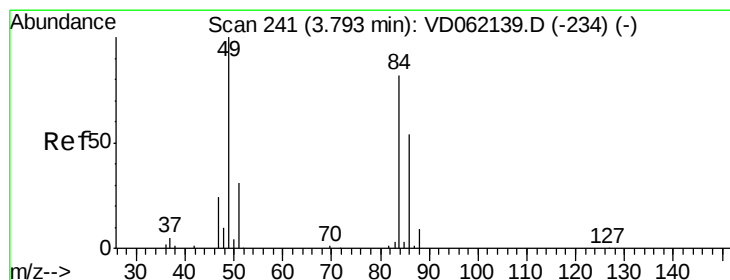
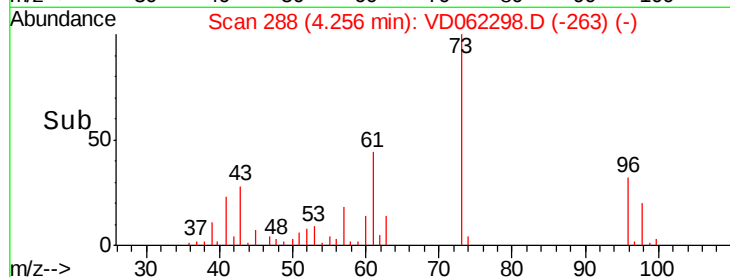
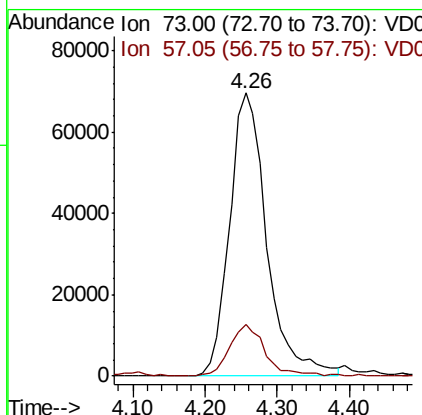
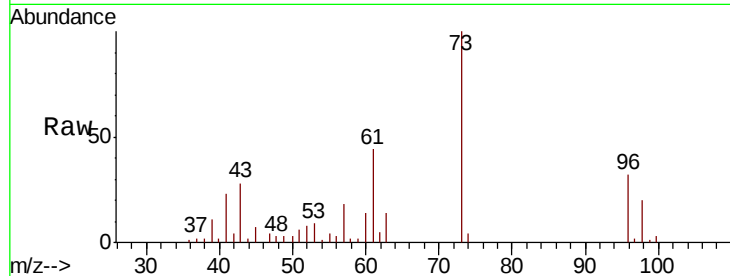




#19
Methyl tert-butyl Ether
Concen: 21.909 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.05 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

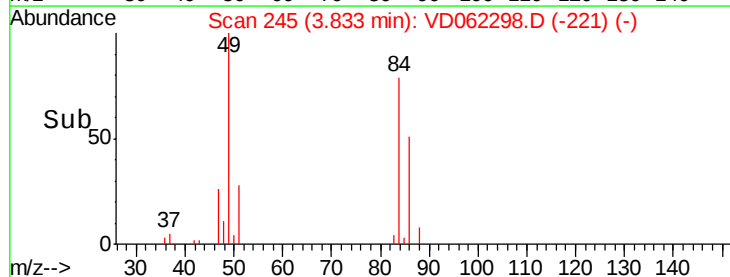
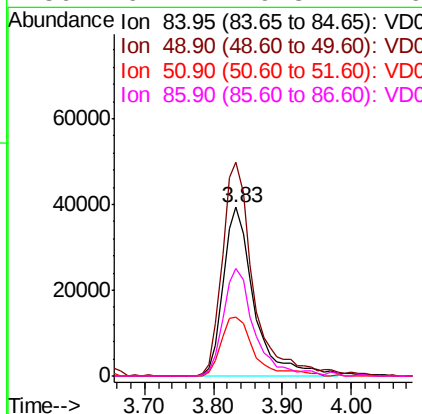
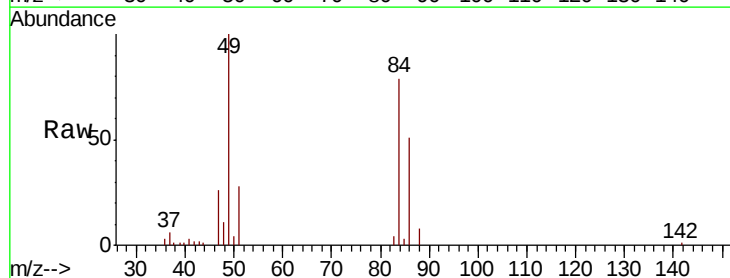
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

Tot Ion: 73 Resp: 249619
Ion Ratio Lower Upper
73 100
57 18.5 16.3 24.5



#20
Methylene Chloride
Concen: 21.389 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion: 84 Resp: 121334
Ion Ratio Lower Upper
84 100
49 126.8 94.0 141.0
51 35.3 29.0 43.4
86 64.1 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 19.560 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.04 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBS01

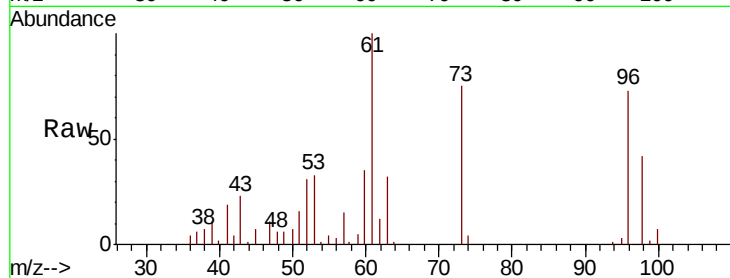
Tot Ion: 96 Resp: 115695

Ion Ratio Lower Upper

96 100

61 137.6 104.4 156.6

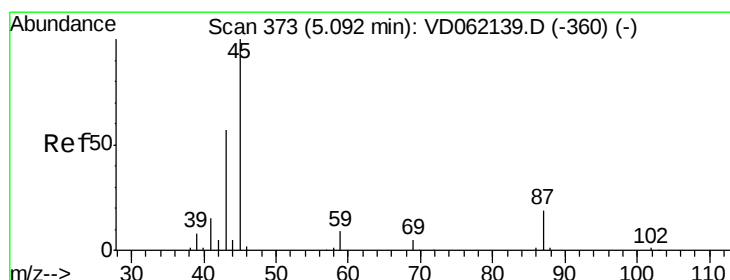
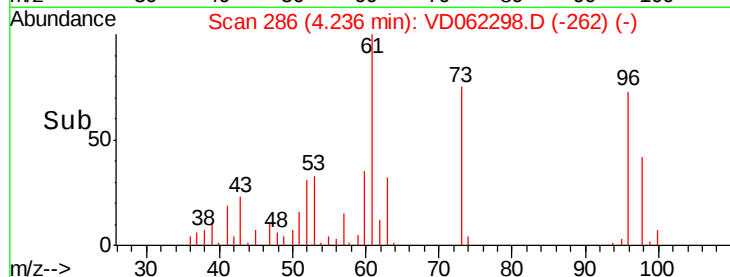
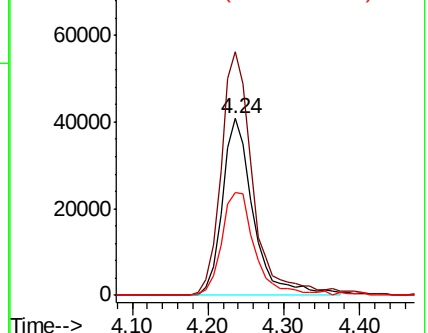
98 58.2 51.8 77.8



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: 20.777 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.05 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Tgt Ion: 45 Resp: 341720

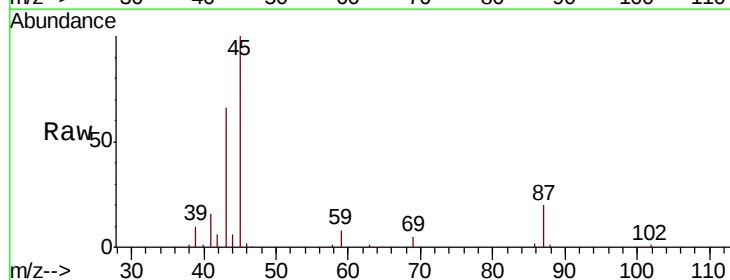
Ion Ratio Lower Upper

45 100

43 66.3 46.2 69.2

87 19.7 15.9 23.9

59 8.4 7.9 11.9

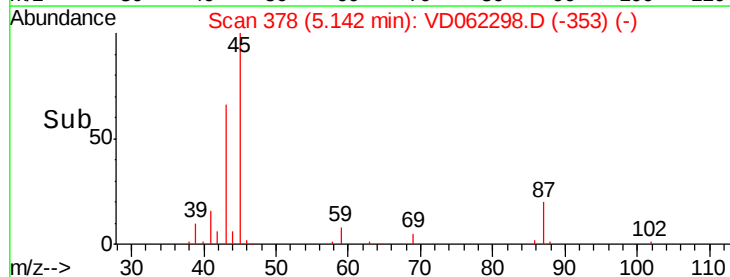
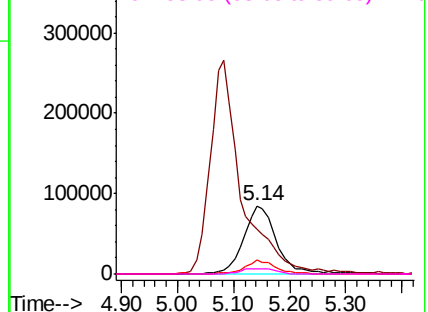


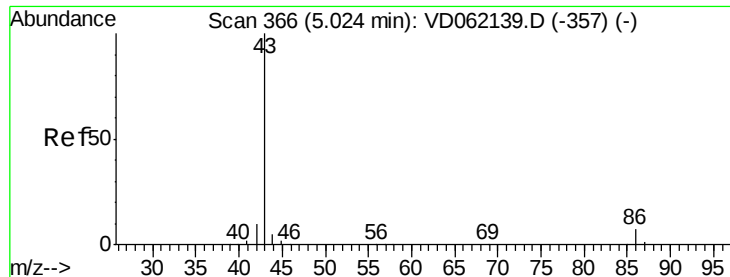
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 117.597 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.06 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

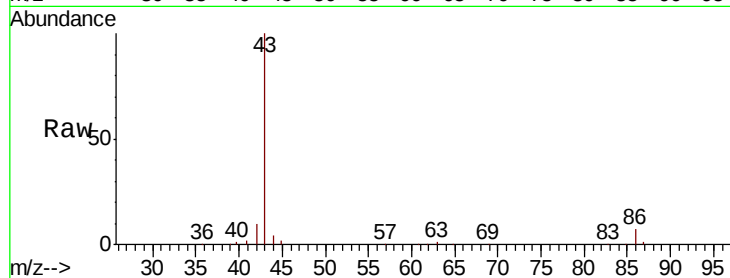
VD0513SBS01

Tot Ion: 43 Resp: 1020441

Ion Ratio Lower Upper

43 100

86 6.7 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD062298.D (-372) (-)

Ion 86.00 (85.70 to 86.70): VD062298.D (-372) (-)

5.08

300000

250000

200000

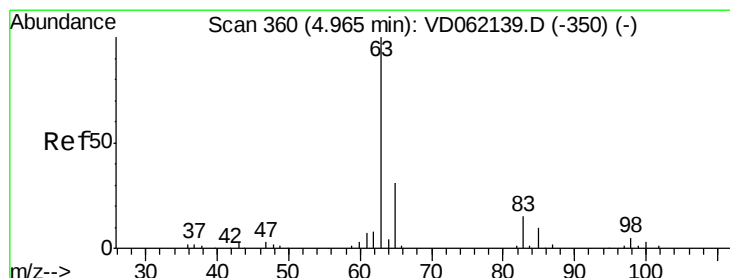
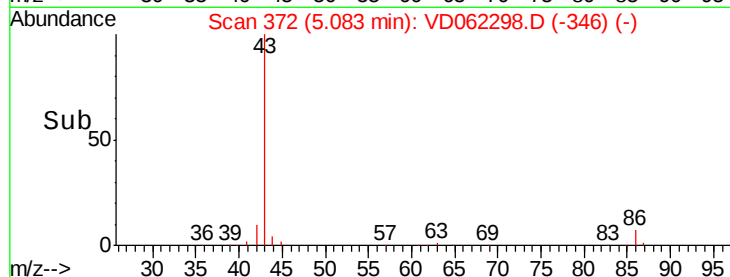
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 21.471 ug/l

RT: 5.01 min Scan# 365

Delta R.T. 0.05 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

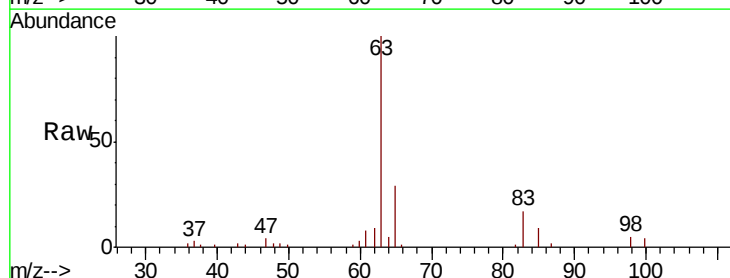
Tgt Ion: 63 Resp: 213027

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.4

100 4.1 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD062298.D (-365) (-)

Ion 97.95 (97.65 to 98.65): VD062298.D (-365) (-)

Ion 99.95 (99.65 to 100.65): VD062298.D (-365) (-)

5.01

80000

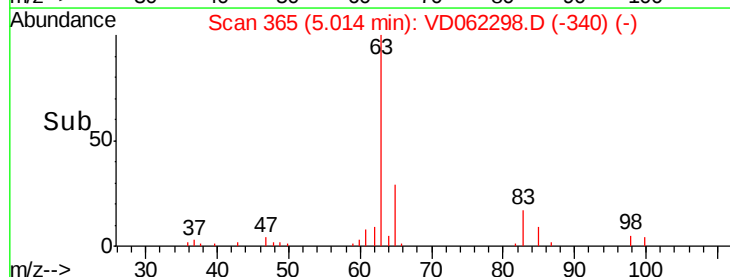
60000

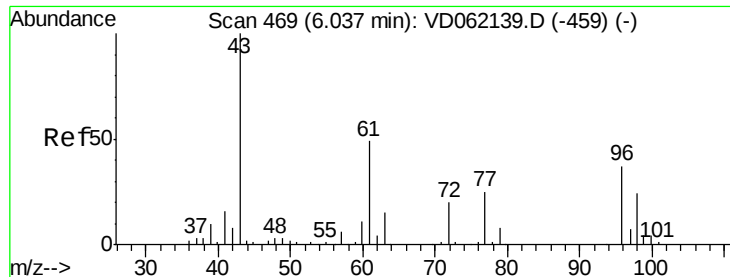
40000

20000

0

Time--> 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 105.231 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

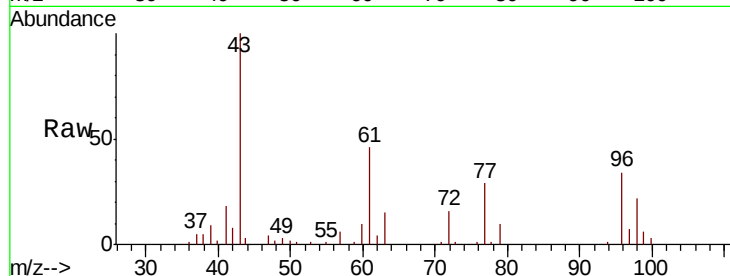
VD0513SBSD01

Tot Ion: 43 Resp: 155946

Ion Ratio Lower Upper

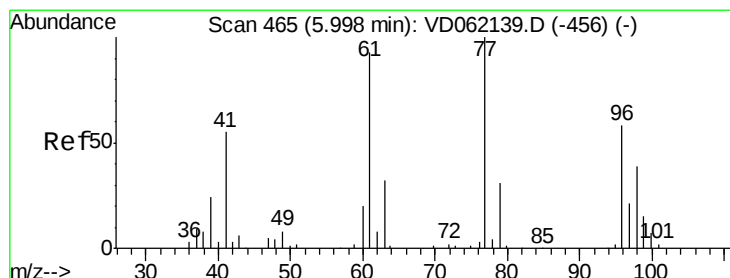
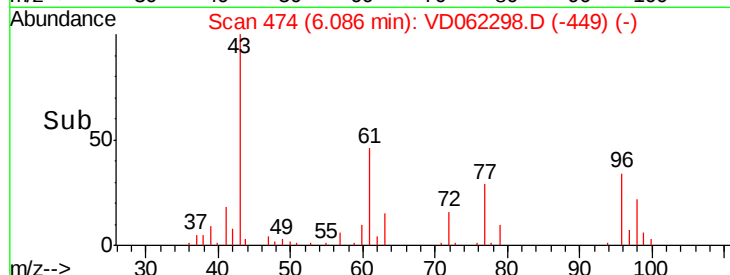
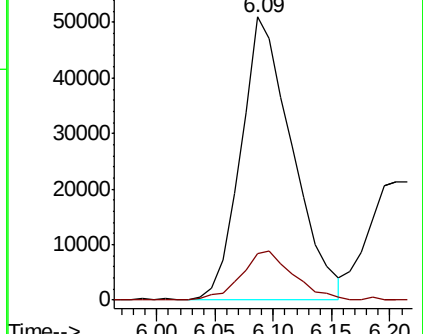
43 100

72 16.5 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: 23.529 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.05 min

Lab File: VD062298.D

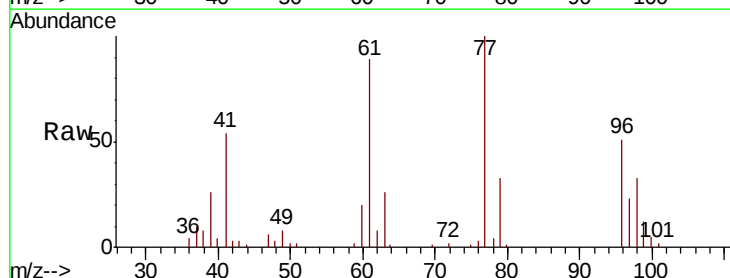
Acq: 13 May 2019 12:13

Tgt Ion: 77 Resp: 232544

Ion Ratio Lower Upper

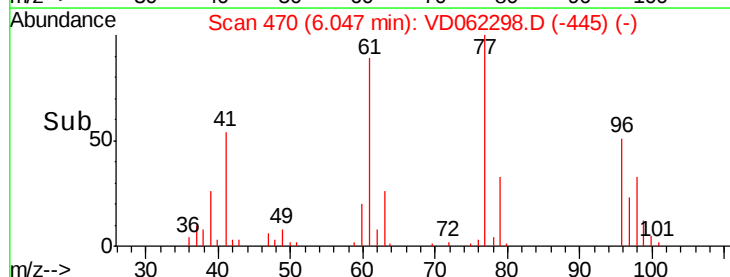
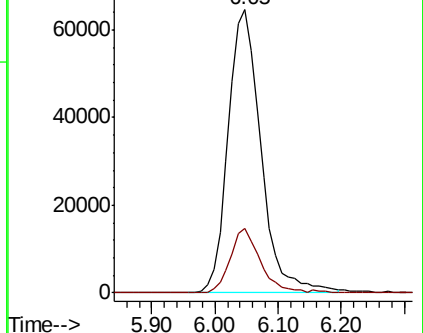
77 100

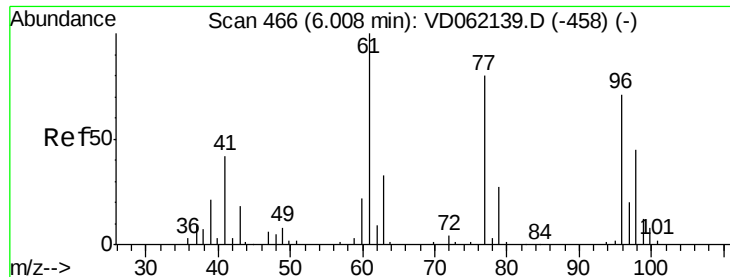
97 22.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



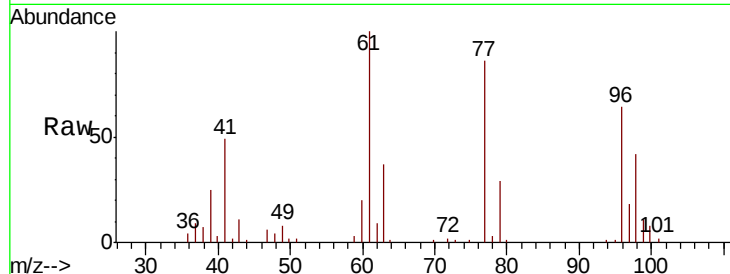


#27

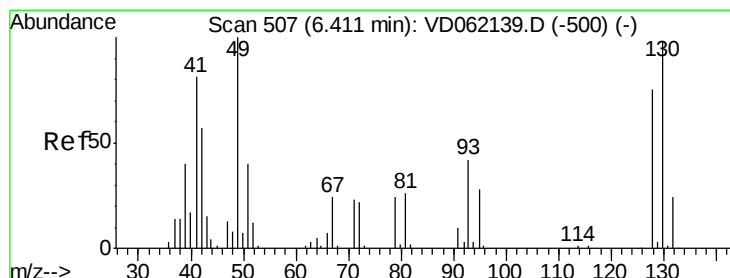
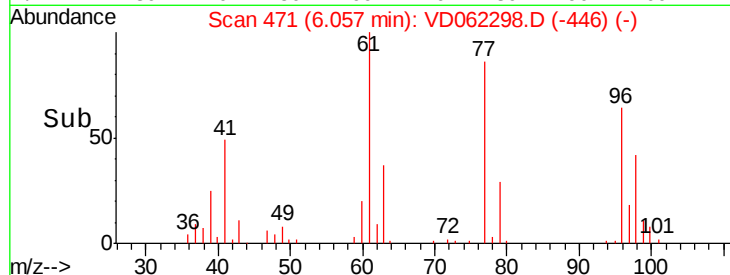
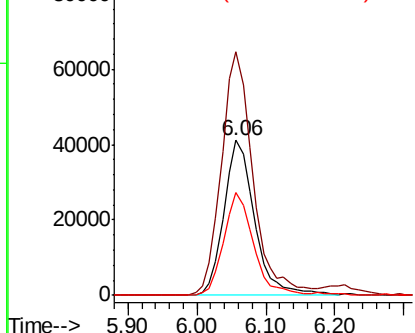
cis-1,2-Dichloroethene
Concen: 19.212 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.05 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBSD01

Tot Ion: 96 Resp: 127199
Ion Ratio Lower Upper
96 100
61 157.1 0.0 279.8
98 66.0 0.0 136.0



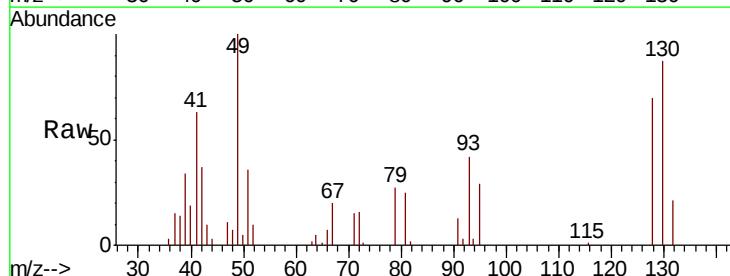
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



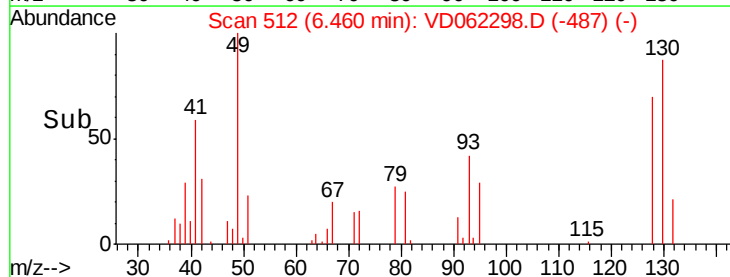
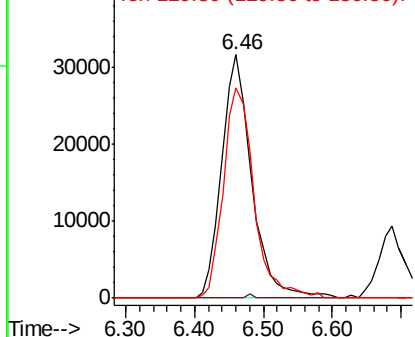
#28

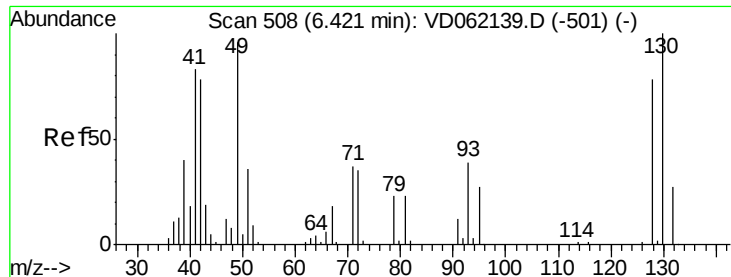
Bromochloromethane
Concen: 24.541 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.05 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion: 49 Resp: 95795
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.6
130 86.6 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

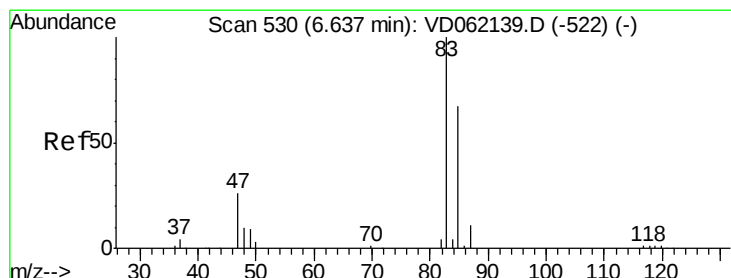
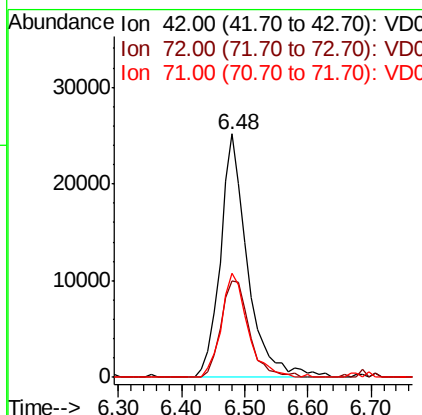
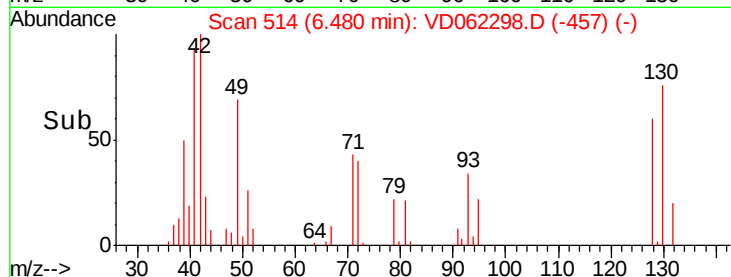
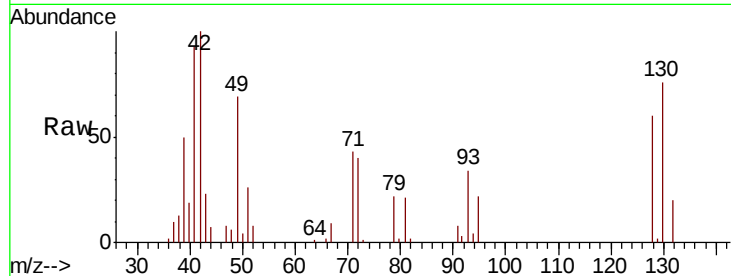




#29
Tetrahydrofuran
Concen: 110.119 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.06 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

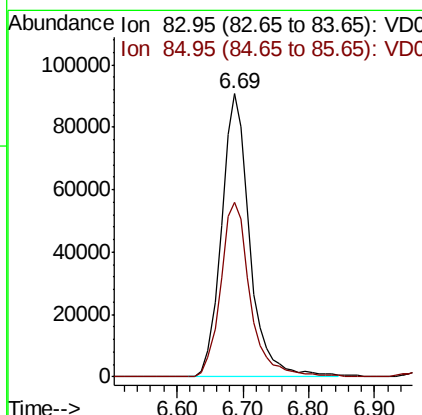
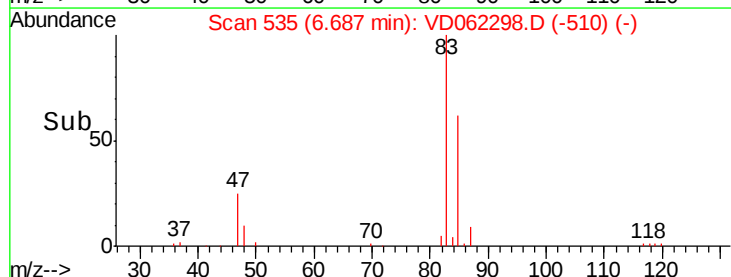
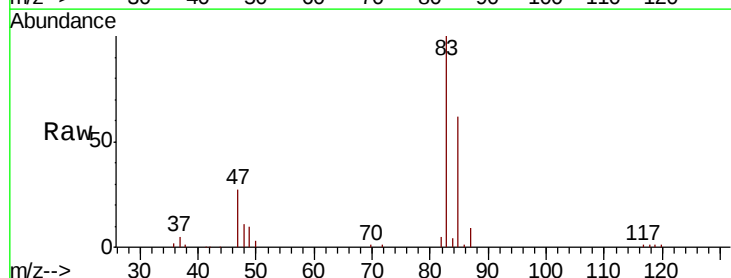
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

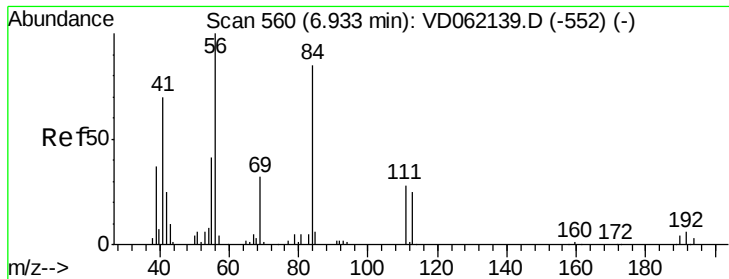
Tot Ion: 42 Resp: 75191
Ion Ratio Lower Upper
42 100
72 41.4 37.8 56.6
71 41.6 36.7 55.1



#30
Chloroform
Concen: 22.649 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.05 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion: 83 Resp: 270820
Ion Ratio Lower Upper
83 100
85 61.7 51.7 77.5

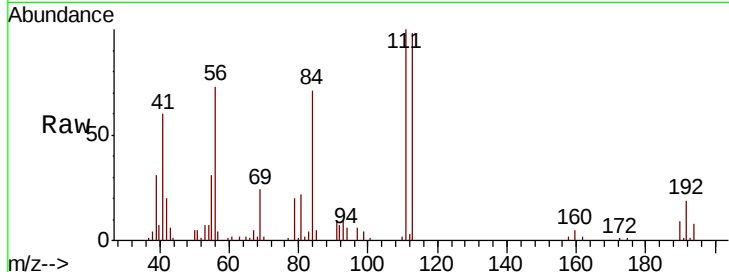




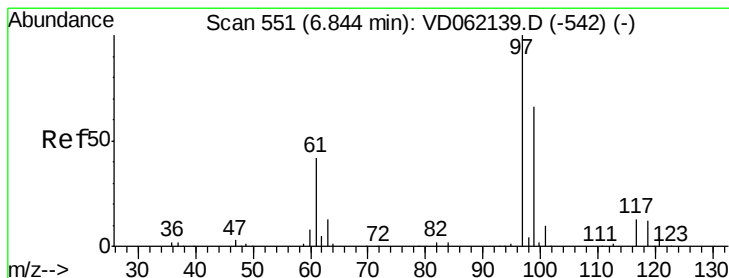
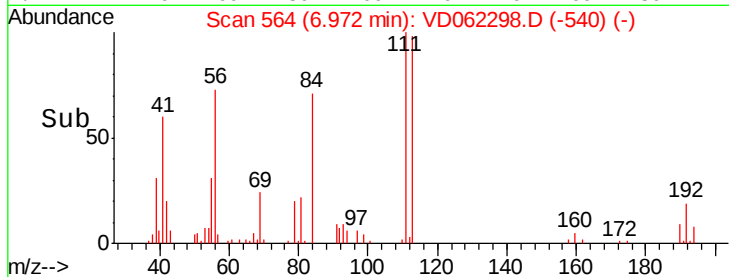
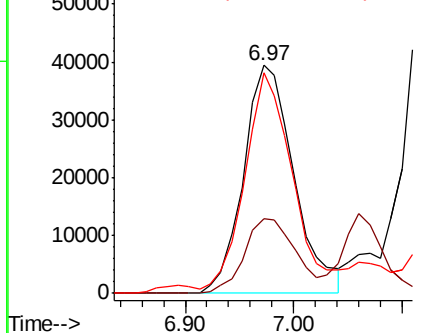
#31
Cyclohexane
Concen: 18.788 ug/l
RT: 6.97 min Scan# 564
Delta R.T. 0.04 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

Tot Ion: 56 Resp: 127707
Ion Ratio Lower Upper
56 100
69 32.6 25.8 38.6
84 96.6 72.2 108.4

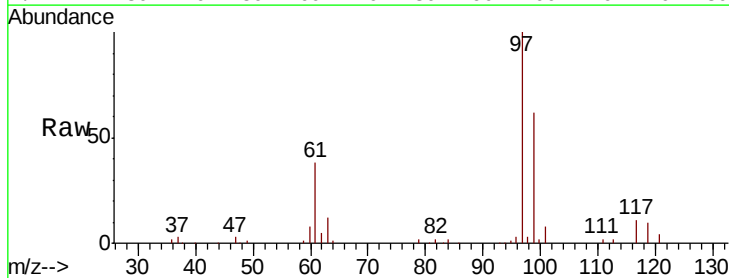


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

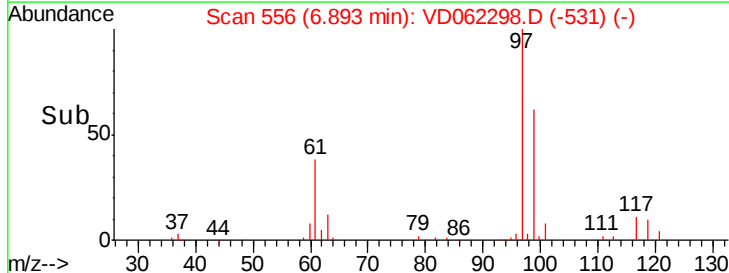
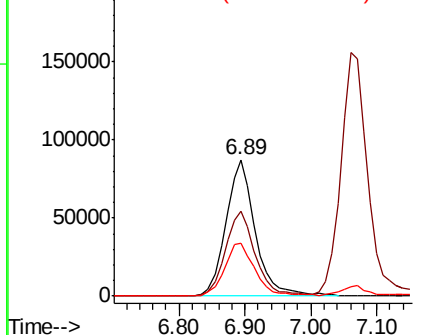


#32
1,1,1-Trichloroethane
Concen: 24.031 ug/l
RT: 6.89 min Scan# 556
Delta R.T. 0.05 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion: 97 Resp: 271598
Ion Ratio Lower Upper
97 100
99 61.9 52.2 78.2
61 38.3 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: 58.264 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

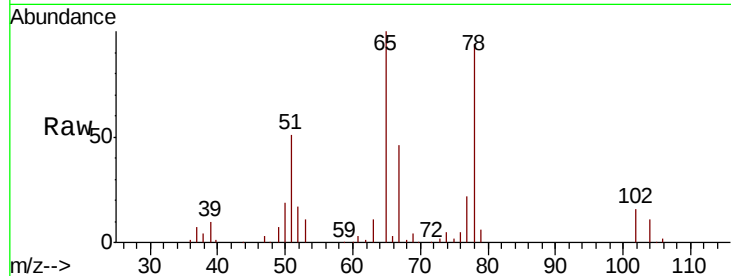
VD0513SBSD01

Tot Ion: 65 Resp: 377469

Ion Ratio Lower Upper

65 100

67 45.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

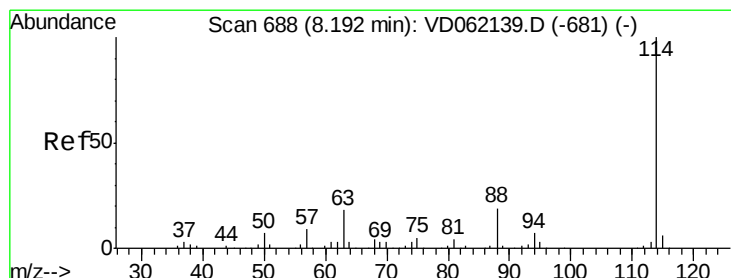
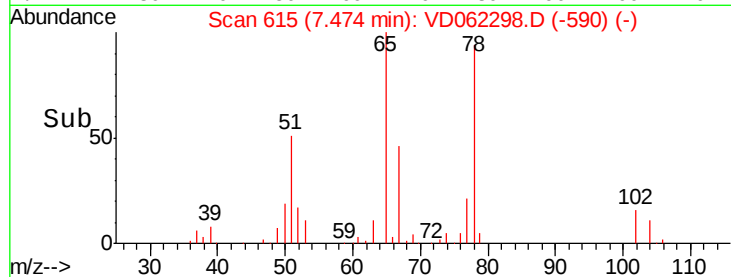
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

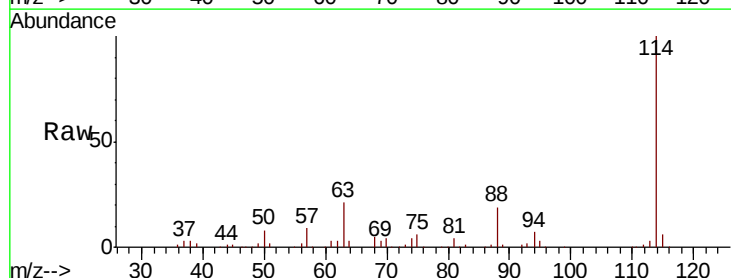
Tgt Ion: 114 Resp: 1034296

Ion Ratio Lower Upper

114 100

63 20.7 0.0 32.4

88 18.9 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

500000

400000

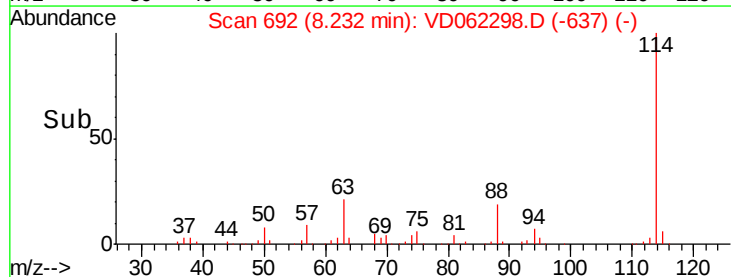
300000

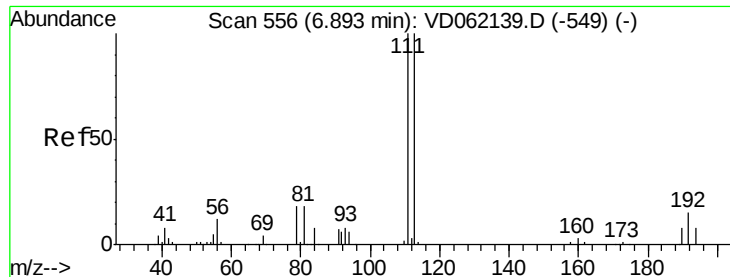
200000

100000

0

Time-->

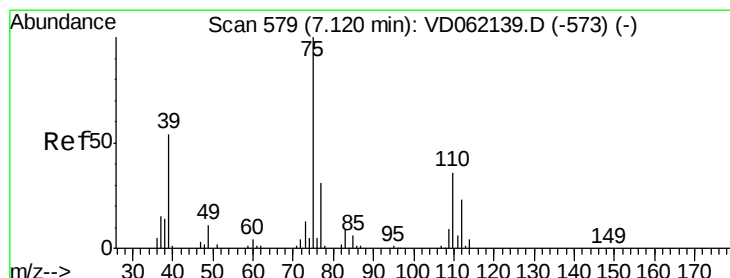
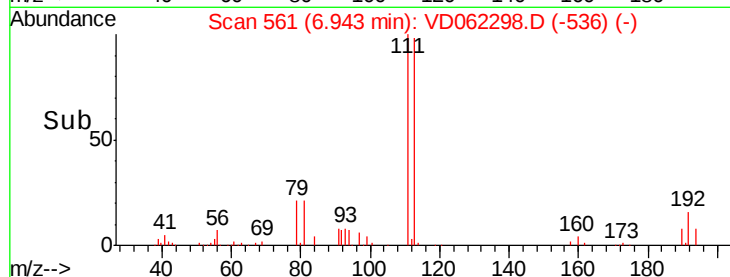
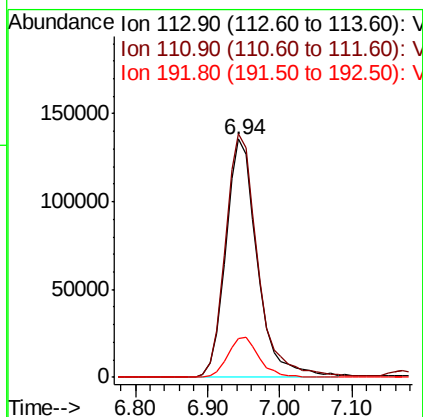
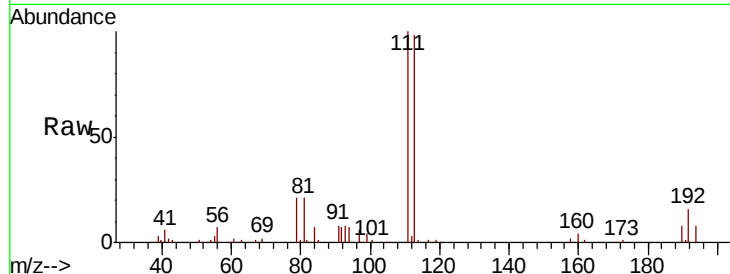




#35
 Dibromofluoromethane
 Concen: 48.051 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

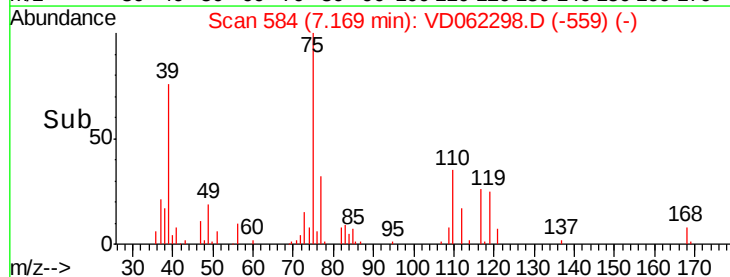
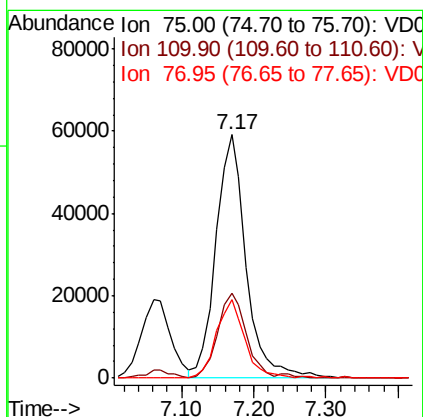
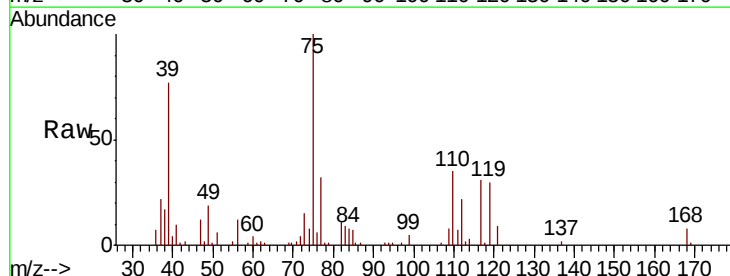
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBSD01

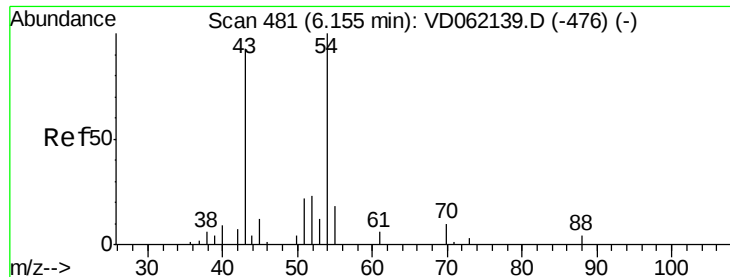
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	78.5	117.7
192	16.4	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 20.116 ug/l
 RT: 7.17 min Scan# 584
 Delta R.T. 0.05 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	19.1	57.1
77	32.3	25.6	38.4

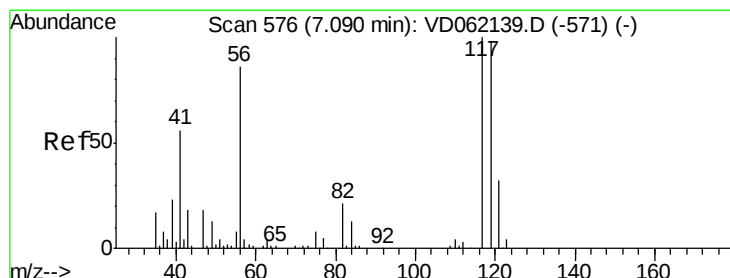
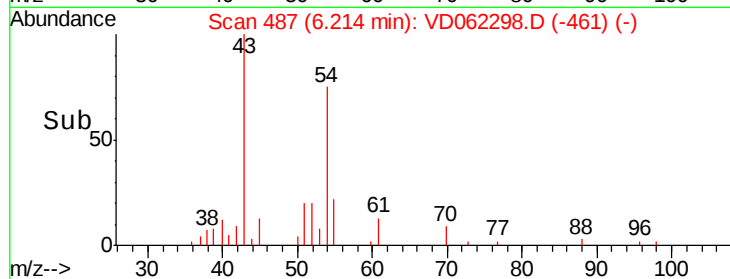
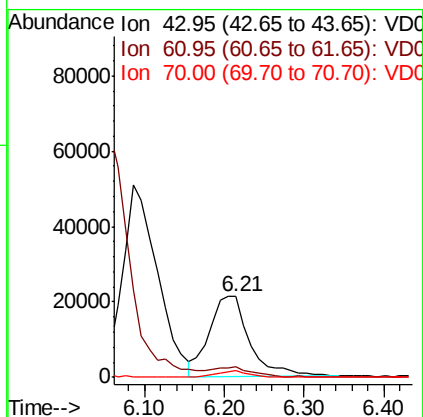
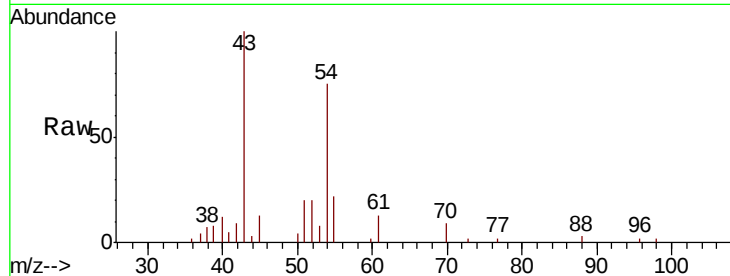




#37
Ethyl Acetate
Concen: 20.619 ug/l
RT: 6.21 min Scan# 487
Delta R.T. 0.06 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

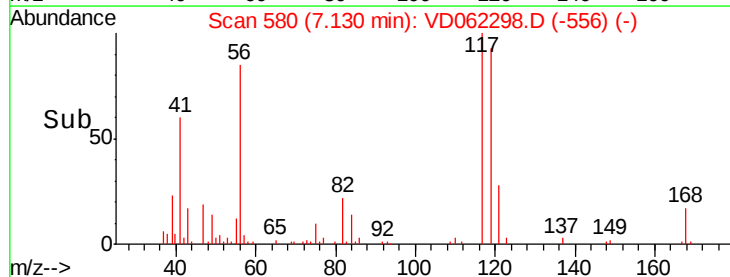
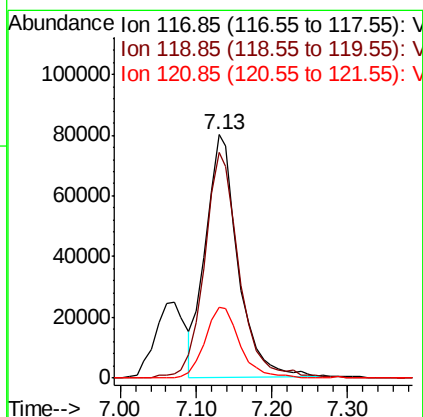
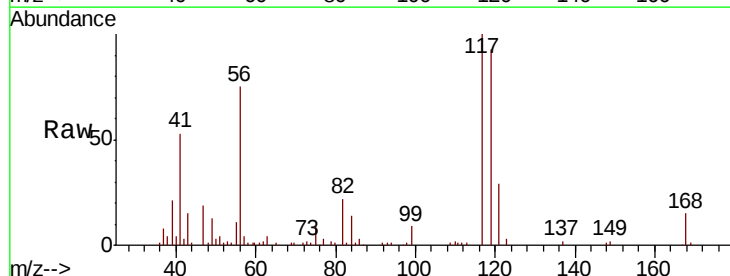
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

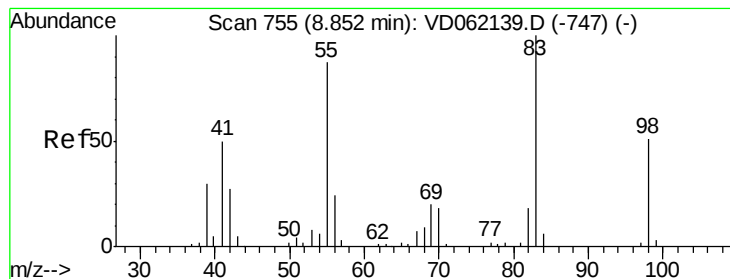
Tot Ion: 43 Resp: 74155
Ion Ratio Lower Upper
43 100
61 12.9 14.7 22.1#
70 9.1 7.8 11.6



#38
Carbon Tetrachloride
Concen: 20.330 ug/l
RT: 7.13 min Scan# 580
Delta R.T. 0.04 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion: 117 Resp: 238627
Ion Ratio Lower Upper
117 100
119 92.8 75.8 113.8
121 29.1 25.9 38.9





#39

Methvlcvclohexane

Concen: 18.607 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.03 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBSD01

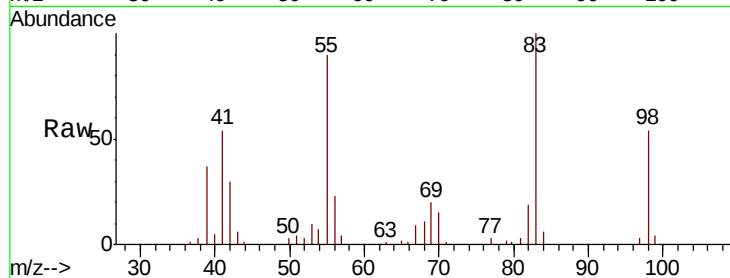
Tot Ion: 83 Resp: 151181

Ion Ratio Lower Upper

83 100

55 90.3 68.2 102.4

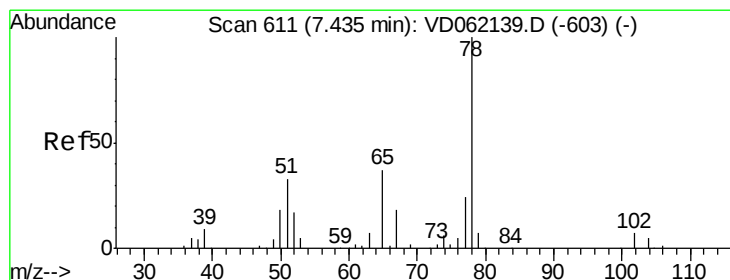
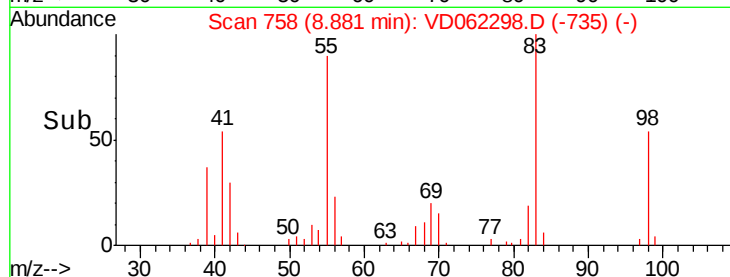
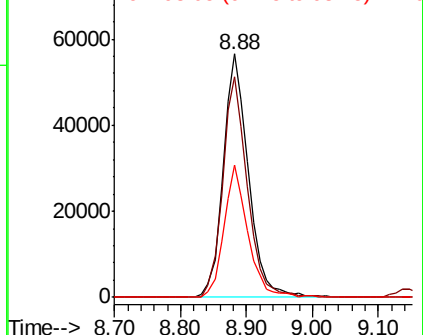
98 54.2 38.2 57.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 18.614 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD062298.D

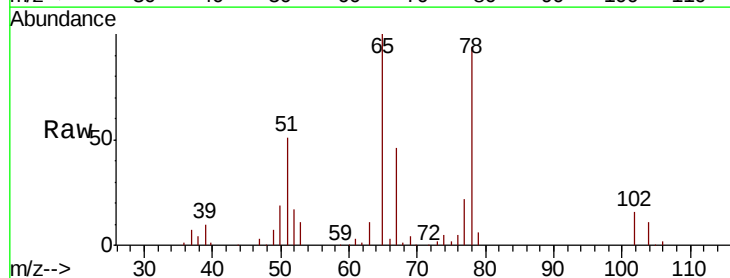
Acq: 13 May 2019 12:13

Tgt Ion: 78 Resp: 356445

Ion Ratio Lower Upper

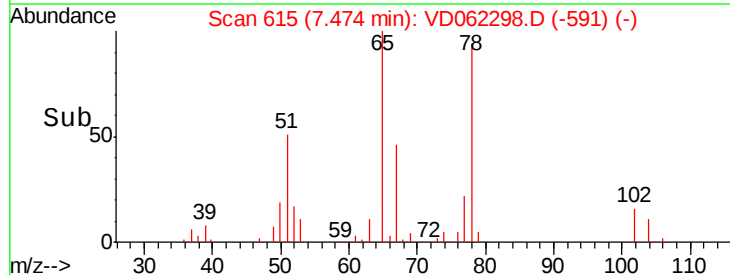
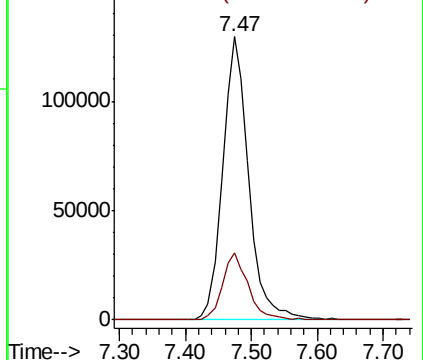
78 100

77 23.6 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

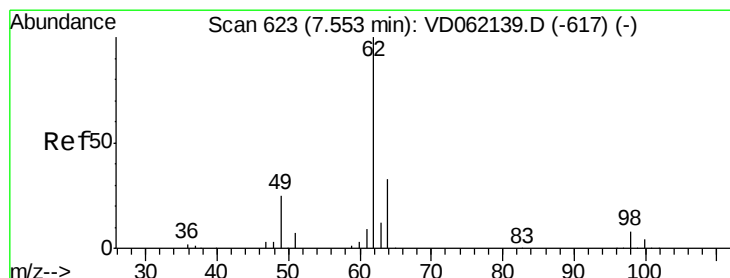
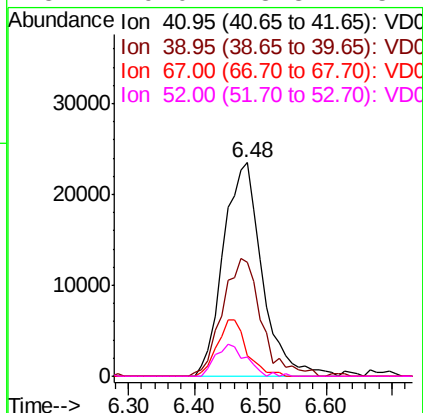
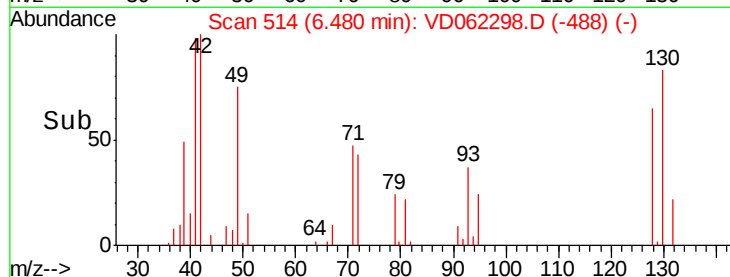
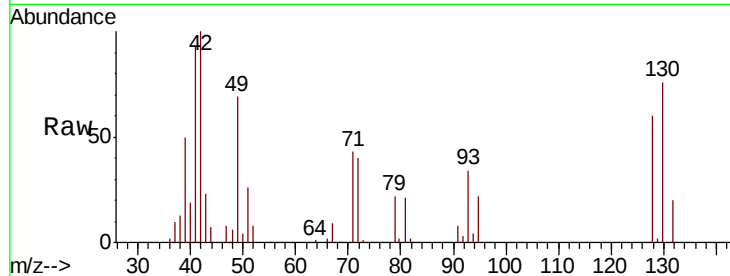




#41
Methacrylonitrile
Concen: 21.931 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.06 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

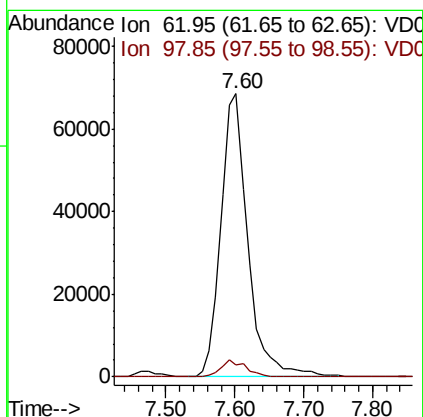
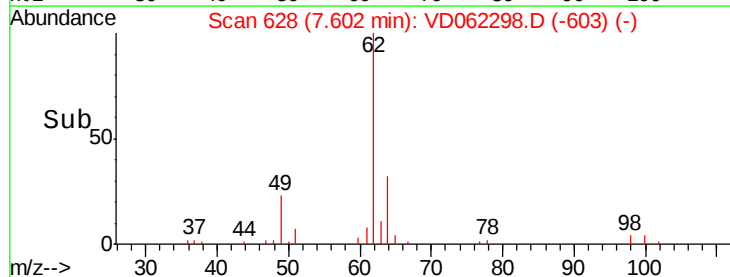
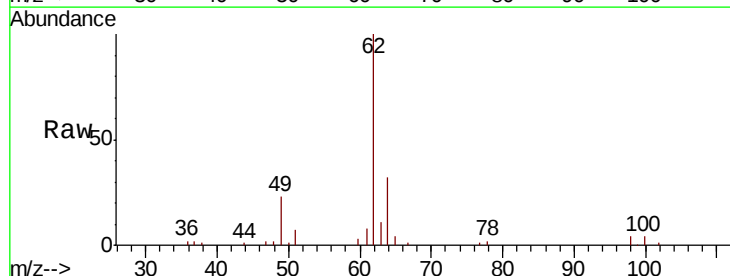
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

Tot Ion: 41 Resp: 96384
Ion Ratio Lower Upper
41 100
39 53.2 34.1 51.1#
67 9.7 23.8 35.6#
52 9.0 8.8 13.2



#42
1,2-Dichloroethane
Concen: 22.923 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.05 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion: 62 Resp: 185983
Ion Ratio Lower Upper
62 100
98 4.1 0.0 17.8



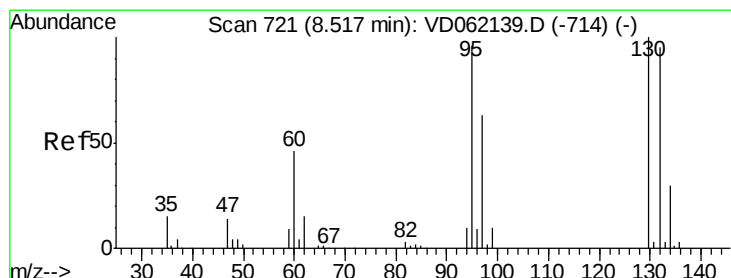
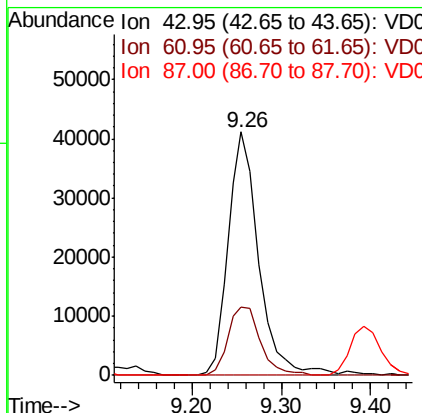
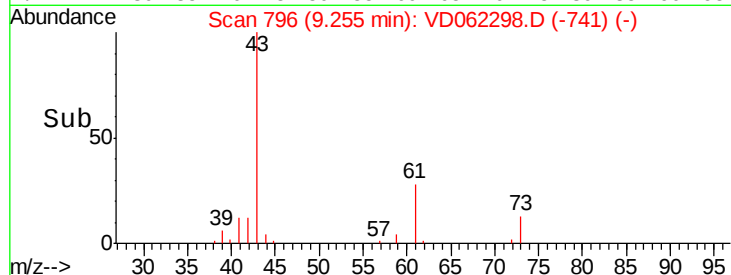
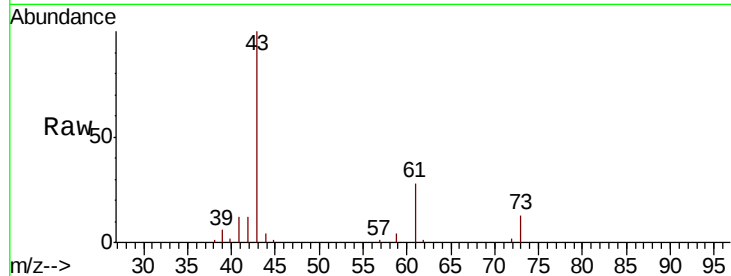


#43

Isopropyl Acetate
 Concen: 19.288 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.04 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0513SBS01

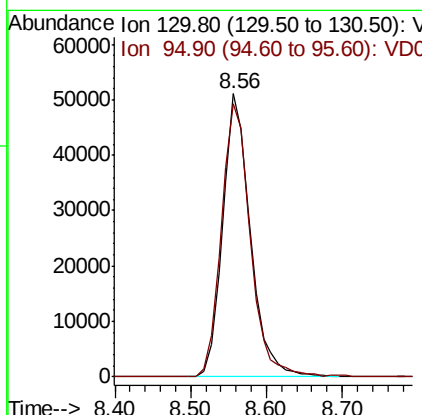
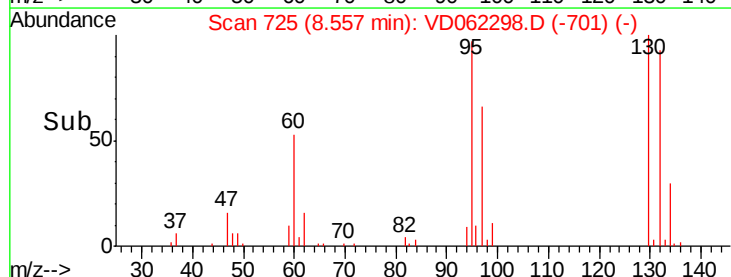
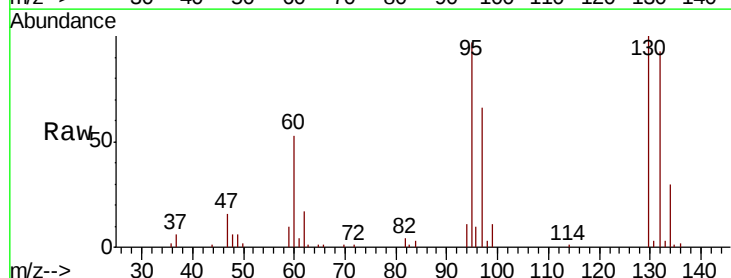
Tot Ion: 43 Resp: 98375
 Ion Ratio Lower Upper
 43 100
 61 27.8 25.1 37.7
 87 0.0 0.0 0.0



#44

Trichloroethene
 Concen: 17.707 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.04 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Tgt Ion: 130 Resp: 129206
 Ion Ratio Lower Upper
 130 100
 95 96.7 0.0 174.0





#45

1,2-Dichloropropane

Concen: 19.931 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.04 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

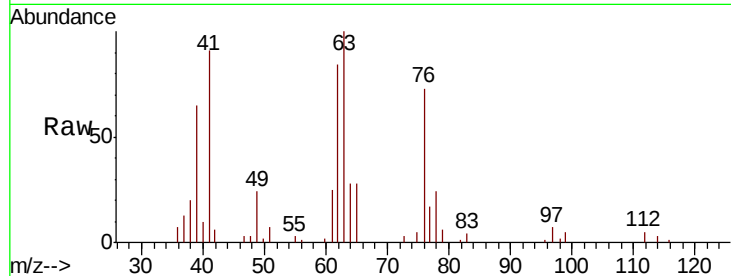
VD0513SBSD01

Tot Ion: 63 Resp: 94404

Ion Ratio Lower Upper

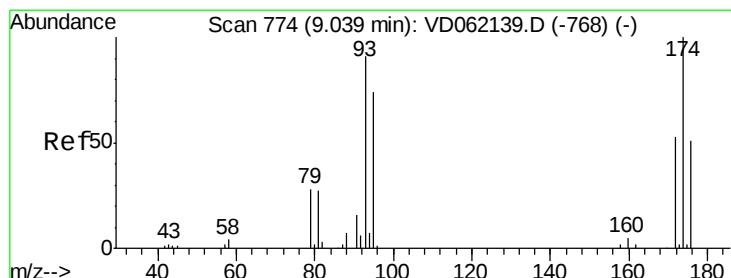
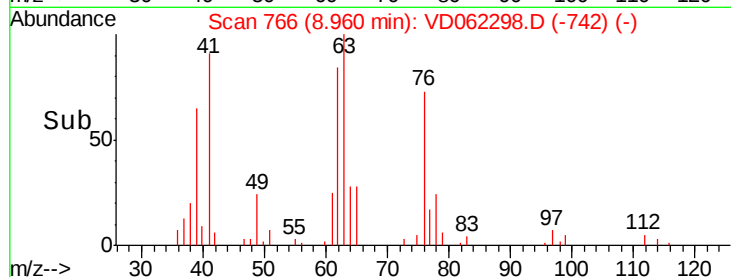
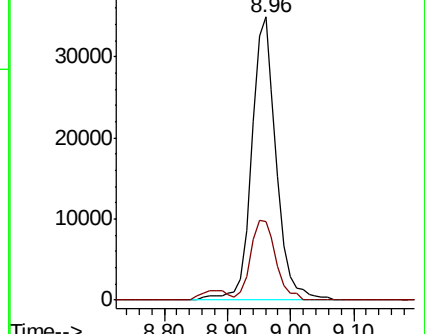
63 100

65 27.8 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: 20.895 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.04 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

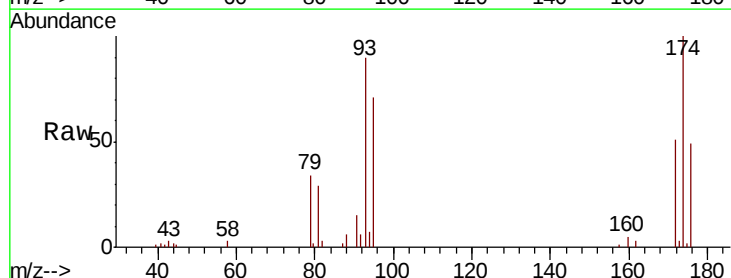
Tgt Ion: 93 Resp: 80481

Ion Ratio Lower Upper

93 100

95 78.8 64.8 97.2

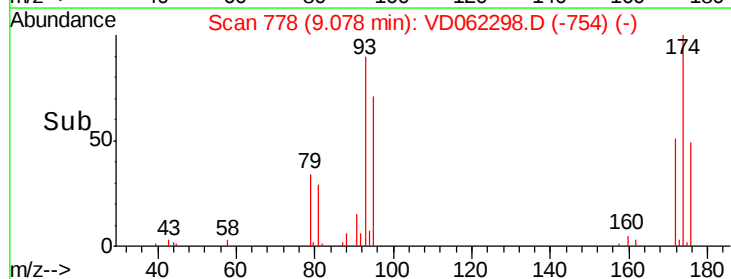
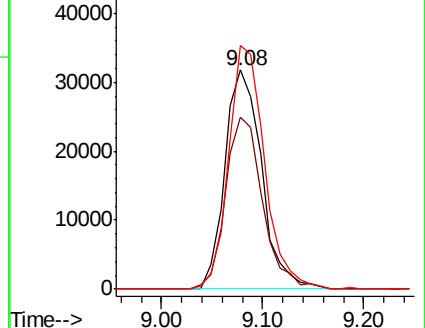
174 111.1 79.3 118.9

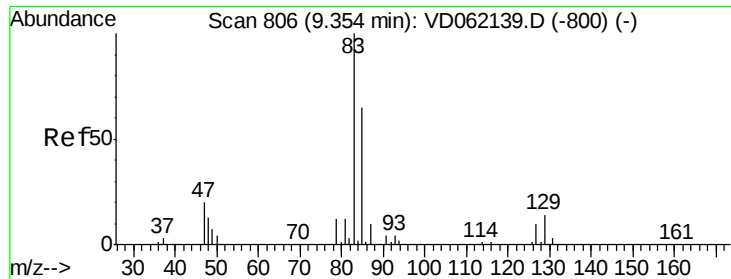


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.549 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.04 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBSD01

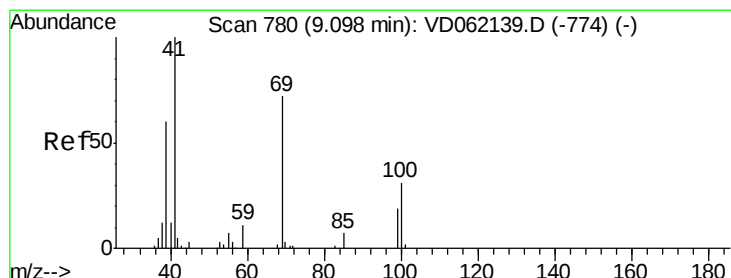
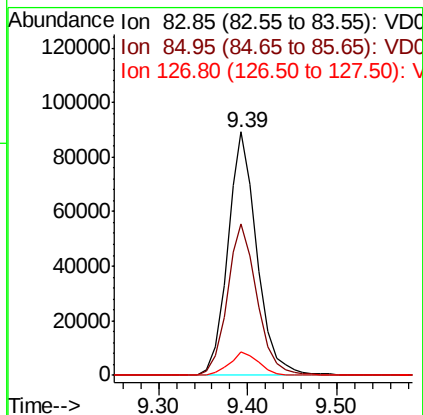
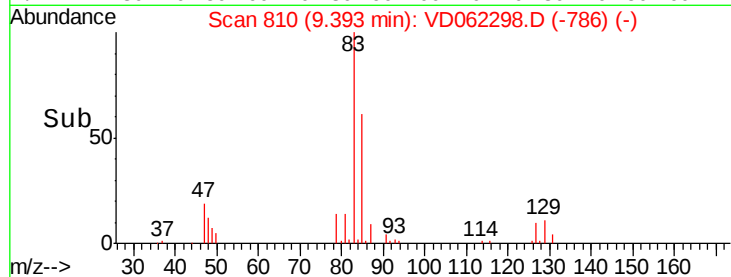
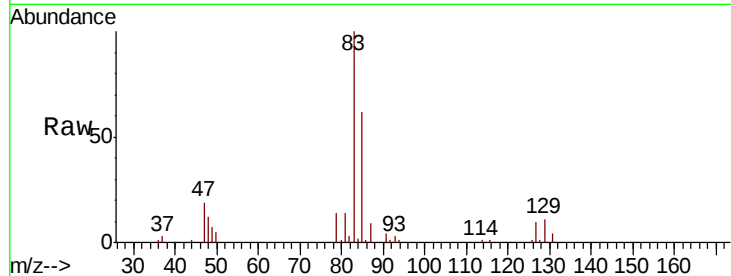
Tot Ion: 83 Resp: 203029

Ion Ratio Lower Upper

83 100

85 62.2 50.9 76.3

127 9.9 8.1 12.1



#48

Methyl methacrylate

Concen: 22.754 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.04 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

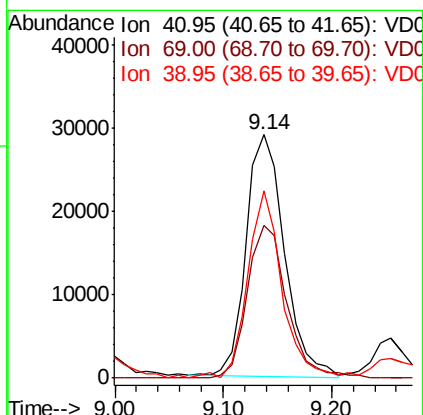
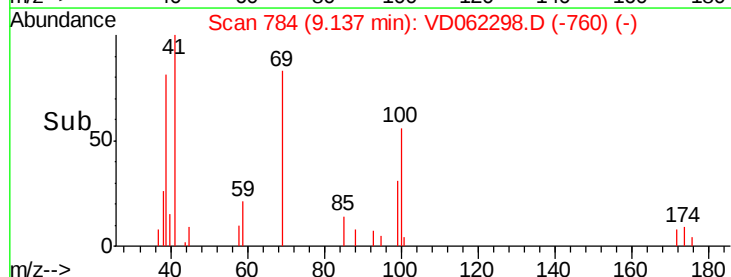
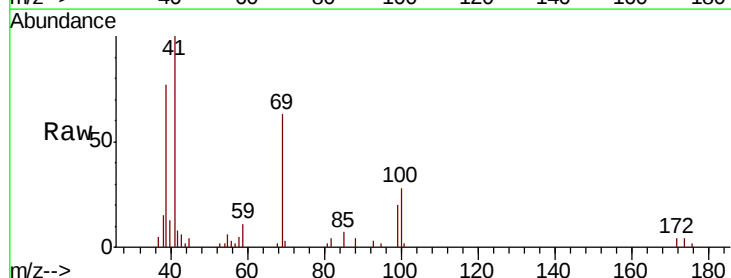
Tgt Ion: 41 Resp: 71485

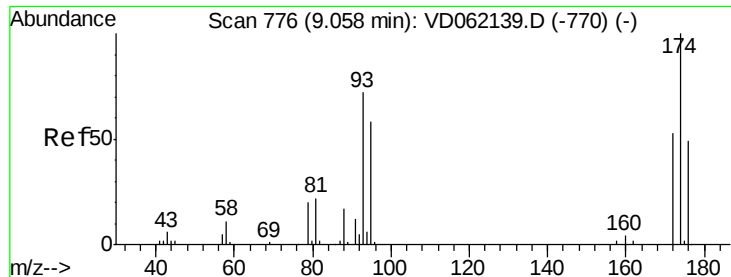
Ion Ratio Lower Upper

41 100

69 62.6 64.2 96.2#

39 76.7 46.8 70.2#

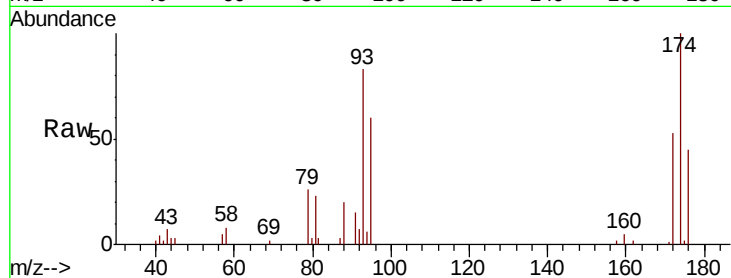




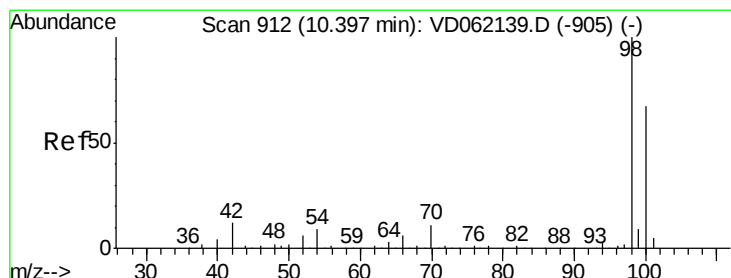
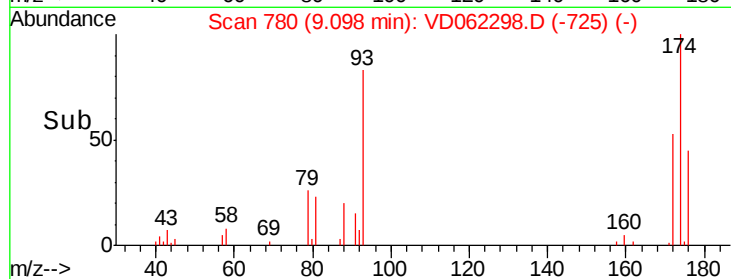
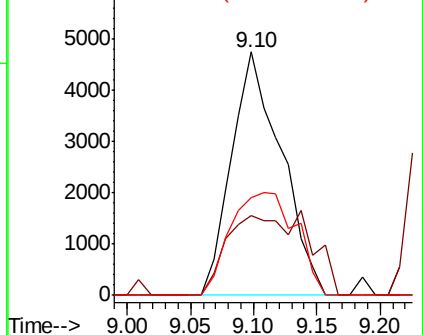
#49
 1,4-Dioxane
 Concen: 381.981 ug/l
 RT: 9.10 min Scan# 780
 Delta R.T. 0.04 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBS01

Tot Ion: 88 Resp: 12948
 Ion Ratio Lower Upper
 88 100
 43 32.7 23.4 35.0
 58 40.4 44.0 66.0#

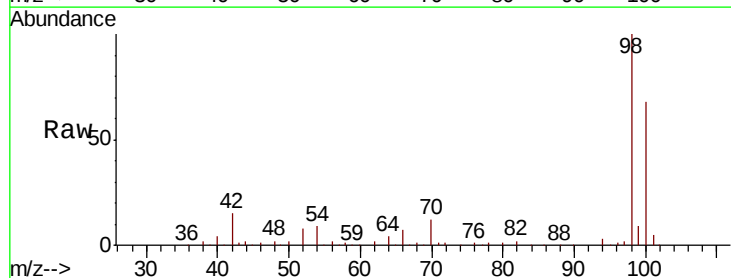


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

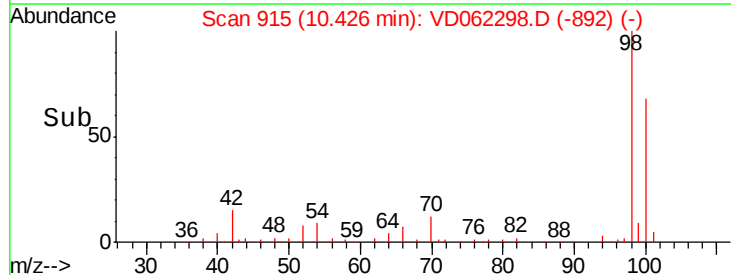
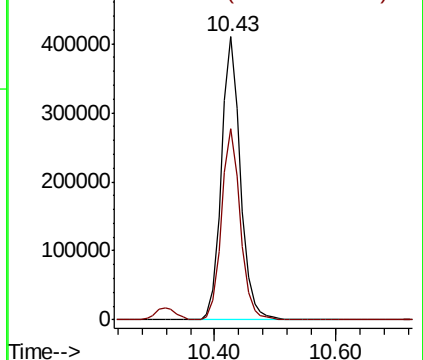


#50
 Toluene-d8
 Concen: 43.241 ug/l
 RT: 10.43 min Scan# 915
 Delta R.T. 0.03 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Tgt Ion: 98 Resp: 894704
 Ion Ratio Lower Upper
 98 100
 100 67.6 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: 108.547 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.04 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

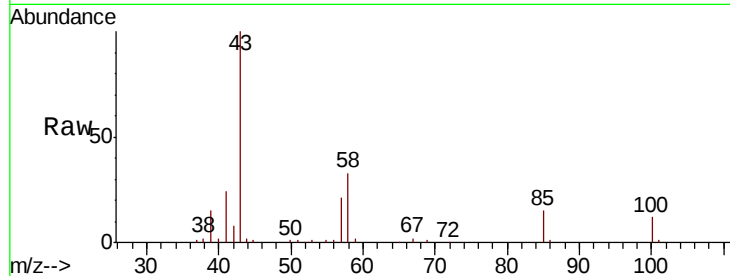
VD0513SBS01

Tot Ion: 43 Resp: 355882

Ion Ratio Lower Upper

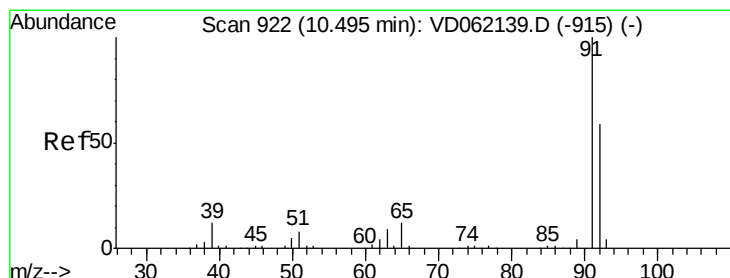
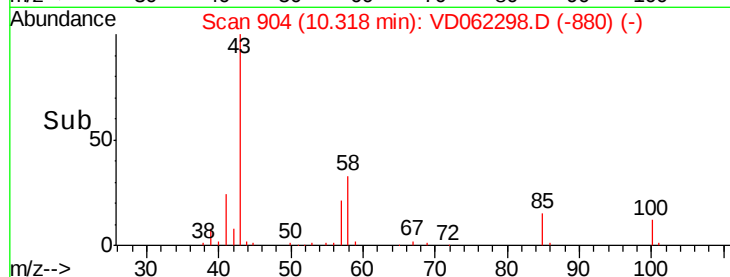
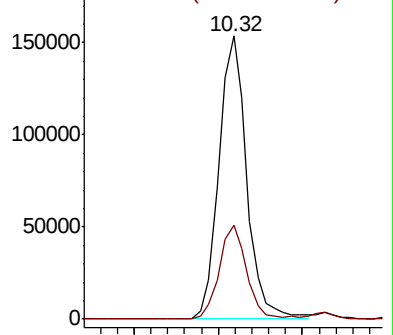
43 100

58 33.0 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: 18.670 ug/l

RT: 10.52 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062298.D

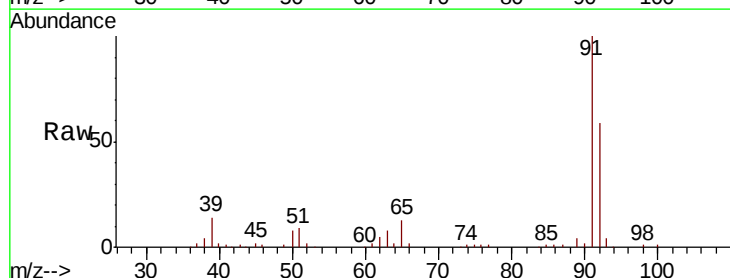
Acq: 13 May 2019 12:13

Tgt Ion: 92 Resp: 232615

Ion Ratio Lower Upper

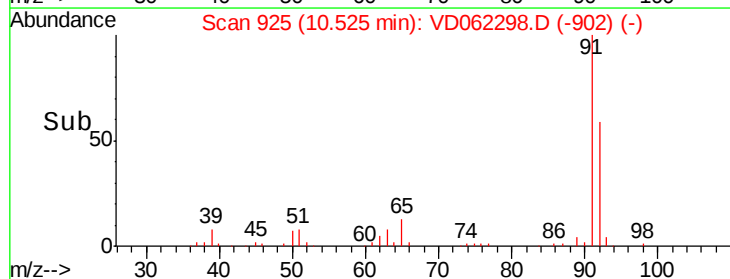
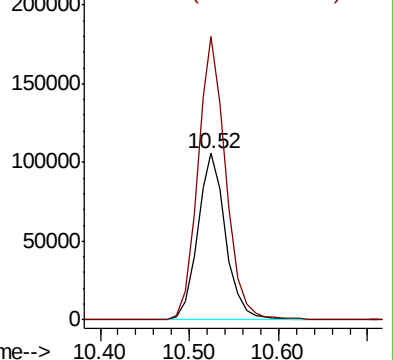
92 100

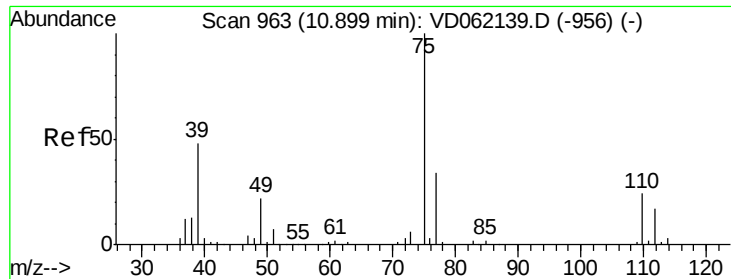
91 170.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

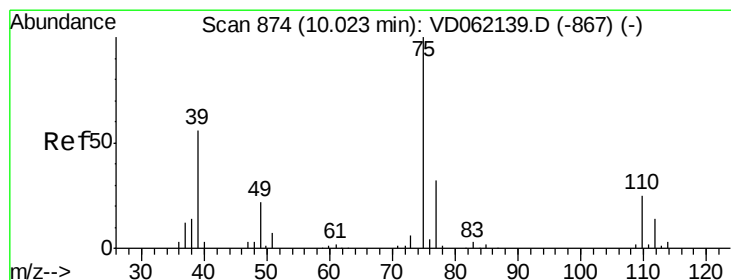
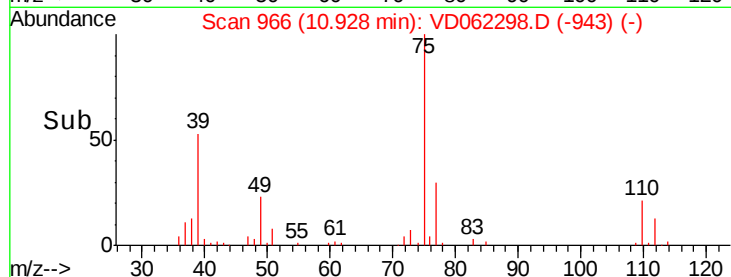
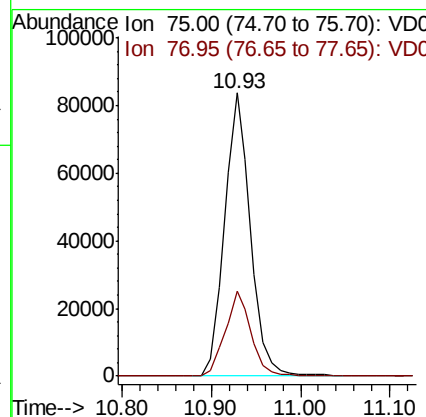
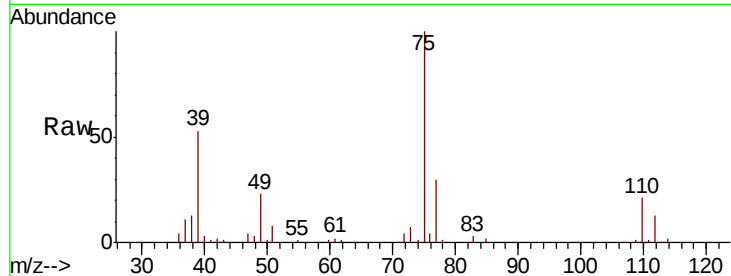




#53
 t-1,3-Dichloropropene
 Concen: 20.877 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

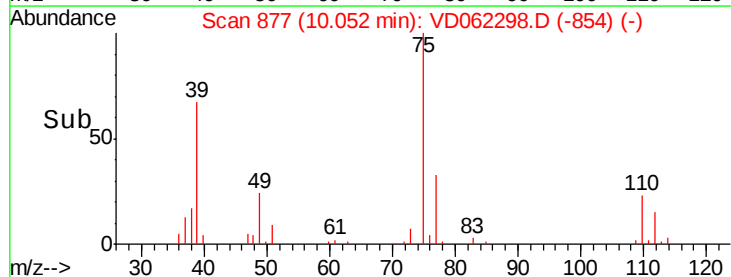
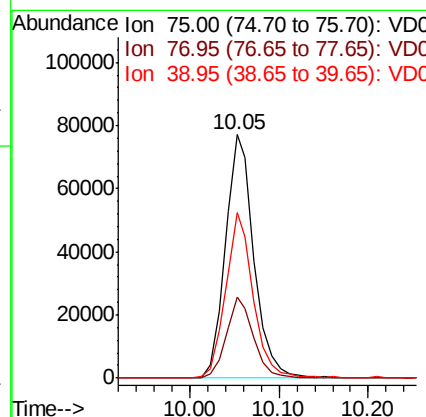
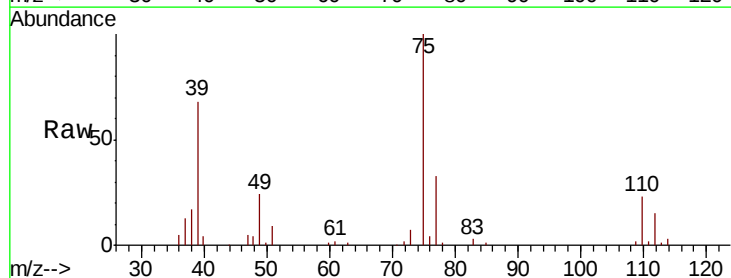
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBSD01

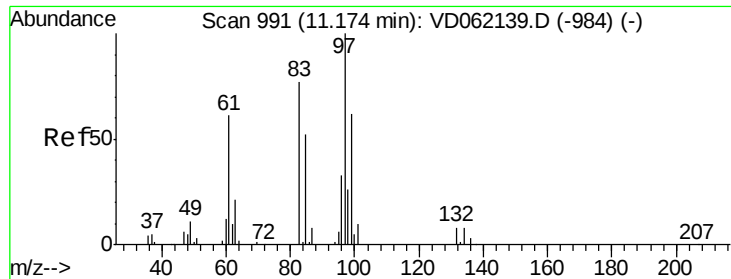
Tot Ion: 75 Resp: 169996
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 19.348 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.03 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Tgt Ion: 75 Resp: 171875
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.5 38.3
 39 68.0 39.4 59.2#

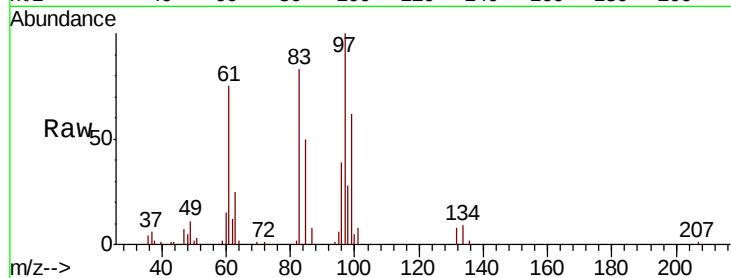




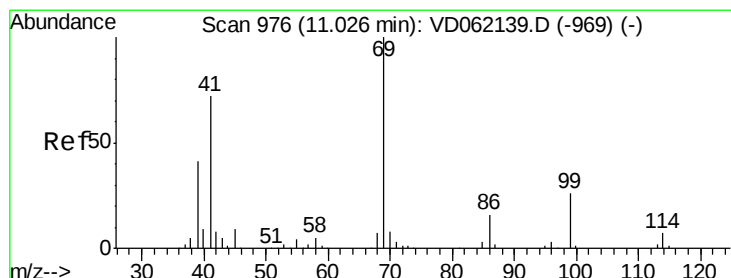
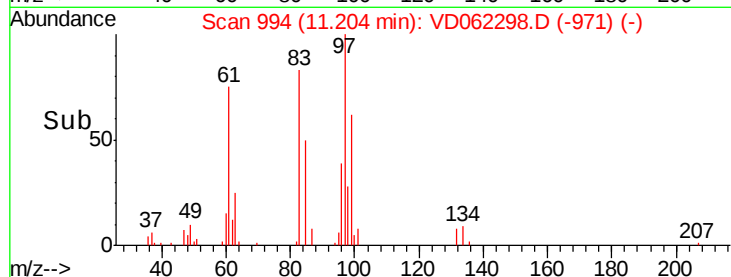
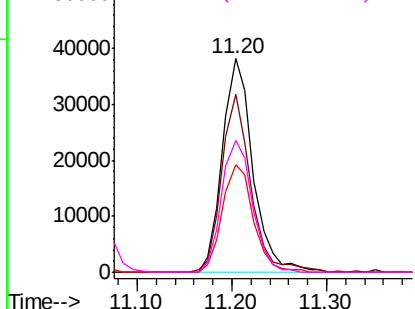
#55
 1,1,2-Trichloroethane
 Concen: 19.370 ug/l
 RT: 11.20 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBSD01

Tot Ion:	97	Resp:	85390
Ion	Ratio	Lower	Upper
97	100		
83	83.4	65.7	98.5
85	50.3	45.6	68.4
99	61.9	48.4	72.6

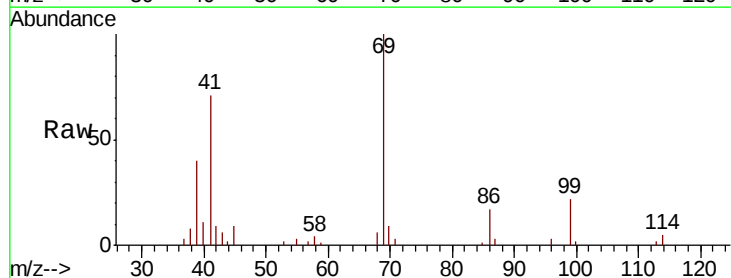


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

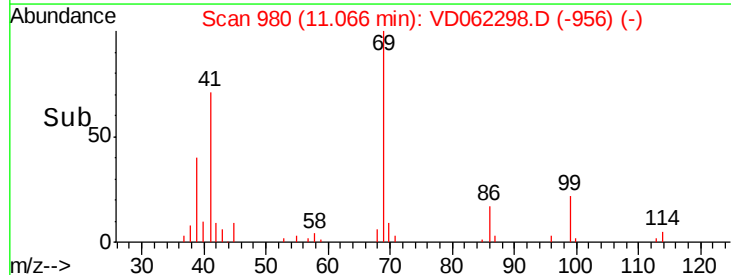
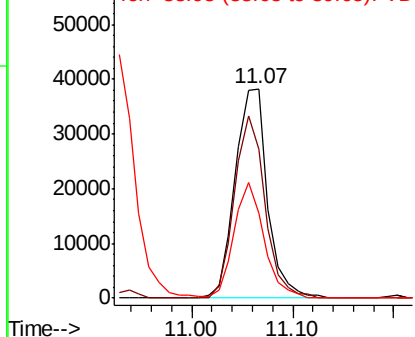


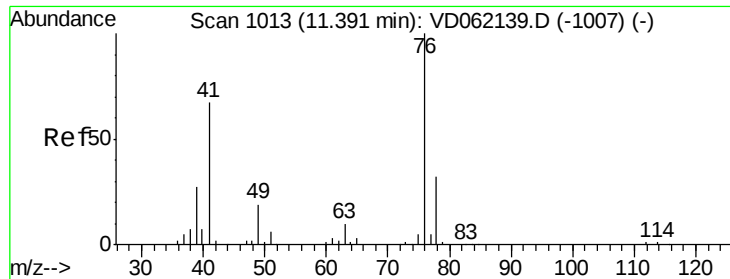
#56
 Ethyl methacrylate
 Concen: 18.678 ug/l
 RT: 11.07 min Scan# 980
 Delta R.T. 0.04 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Tgt Ion:	69	Resp:	85564
Ion	Ratio	Lower	Upper
69	100		
41	71.1	56.3	84.5
39	40.3	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: 19.299 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.03 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

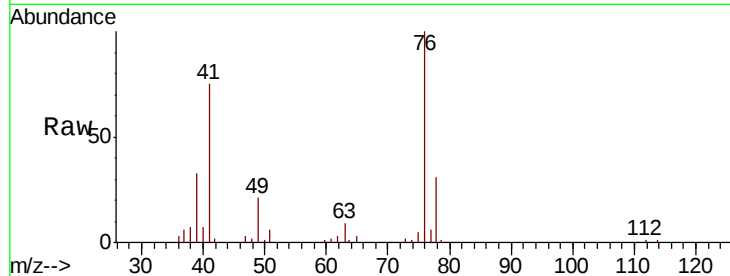
VD0513SBSD01

Tot Ion: 76 Resp: 128535

Ion Ratio Lower Upper

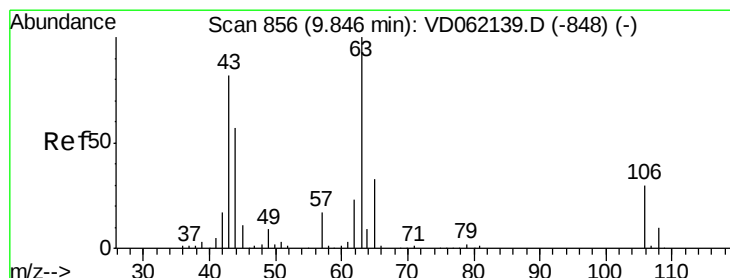
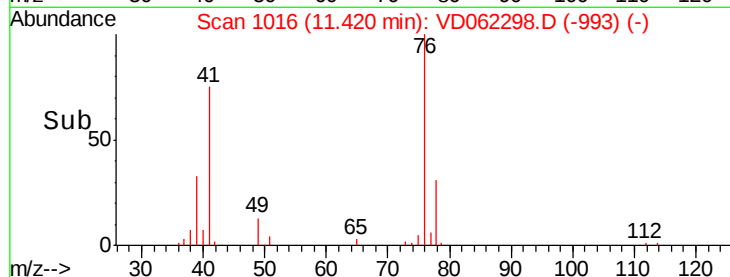
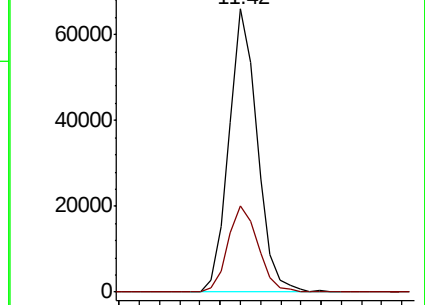
76 100

78 30.7 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 106.817 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.03 min

Lab File: VD062298.D

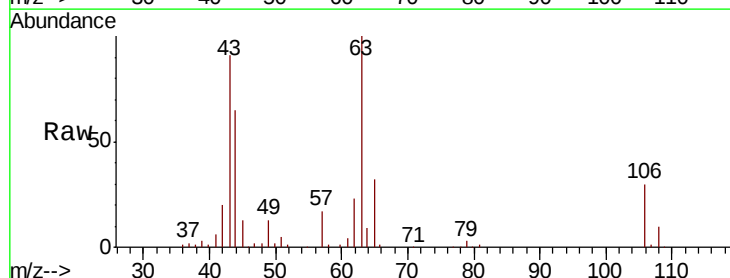
Acq: 13 May 2019 12:13

Tgt Ion: 63 Resp: 267288

Ion Ratio Lower Upper

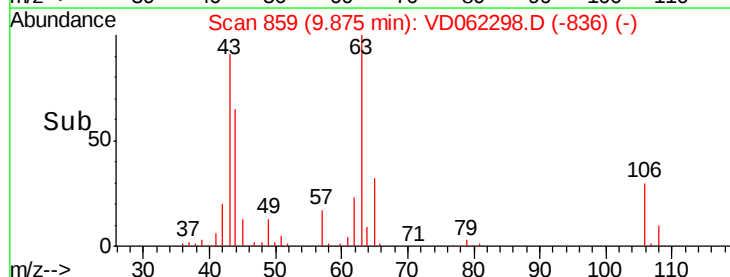
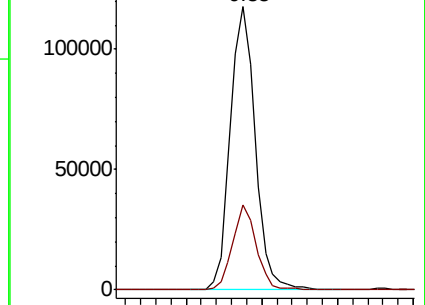
63 100

106 30.1 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

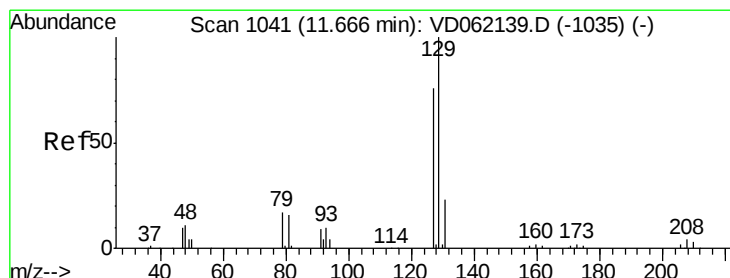
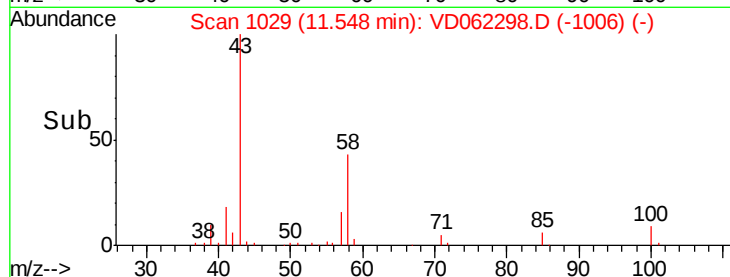
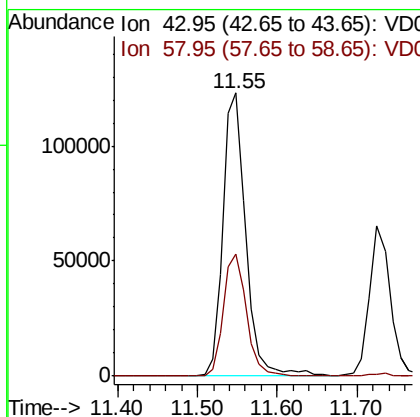
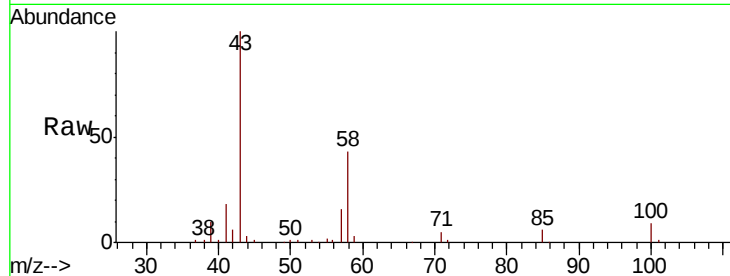




#59
2-Hexanone
Concen: 103.162 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

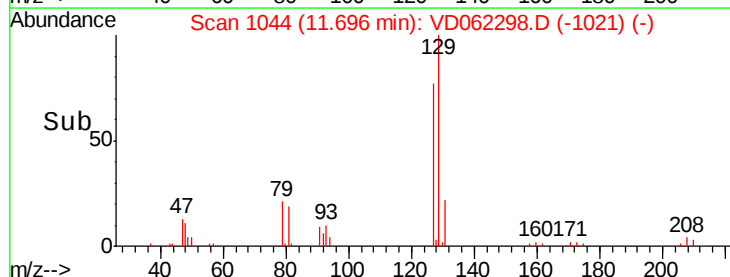
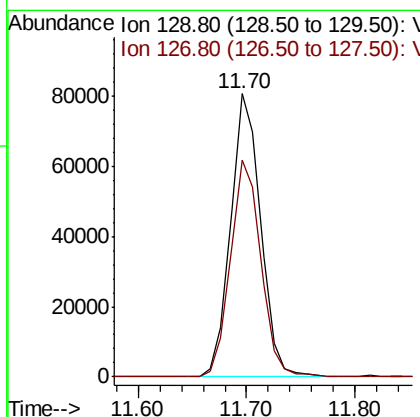
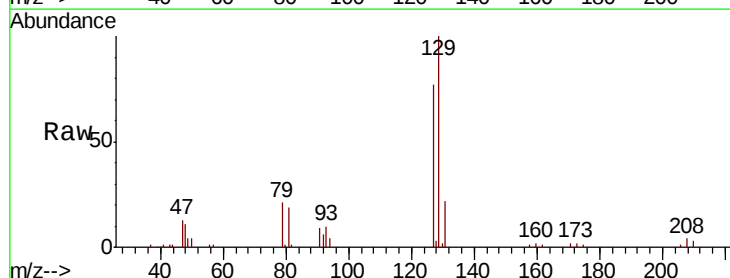
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBSD01

Tot Ion: 43 Resp: 249286
Ion Ratio Lower Upper
43 100
58 43.2 25.4 76.4



#60
Dibromochloromethane
Concen: 20.402 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion: 129 Resp: 155437
Ion Ratio Lower Upper
129 100
127 76.5 38.0 113.9





#61

1,2-Dibromoethane

Concen: 19.164 ug/l

RT: 11.81 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

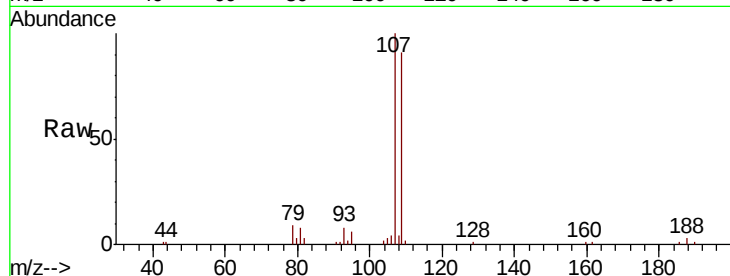
VD0513SBS01

Tot Ion:107 Resp: 102712

Ion Ratio Lower Upper

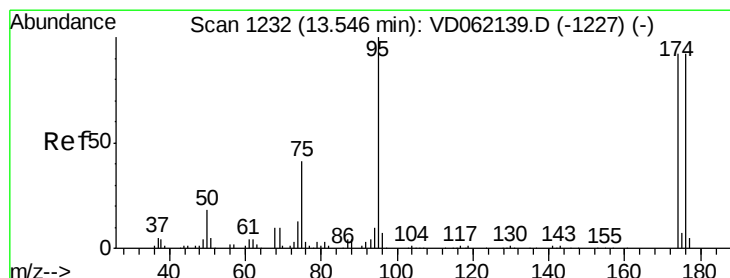
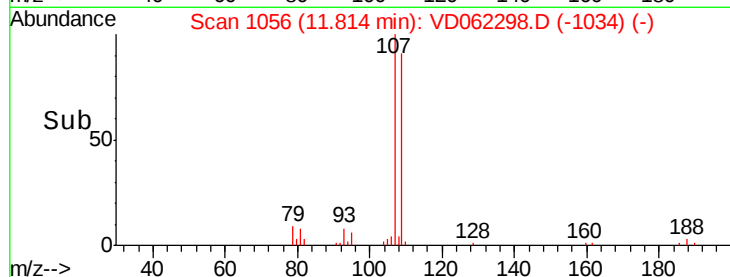
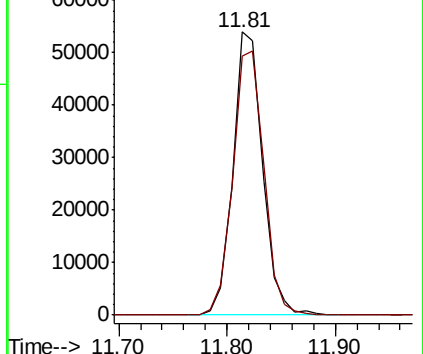
107 100

109 91.4 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 44.143 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

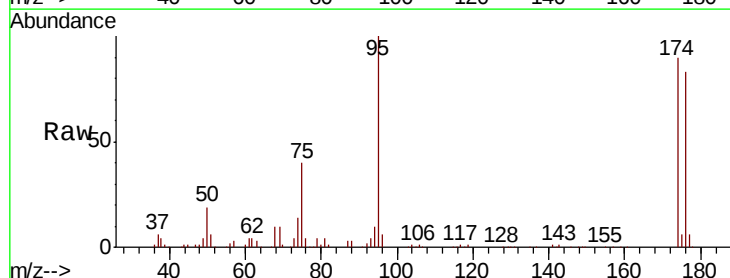
Tgt Ion: 95 Resp: 366776

Ion Ratio Lower Upper

95 100

174 90.1 0.0 181.8

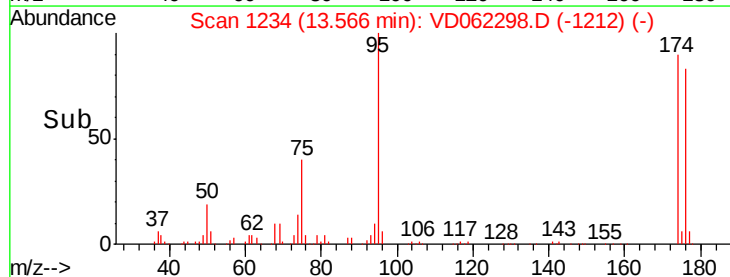
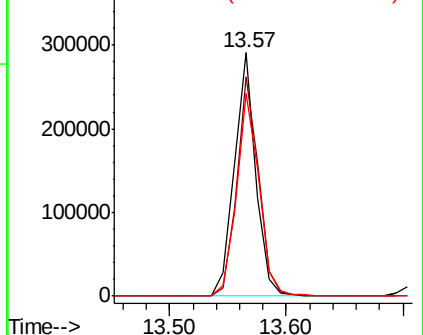
176 83.5 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

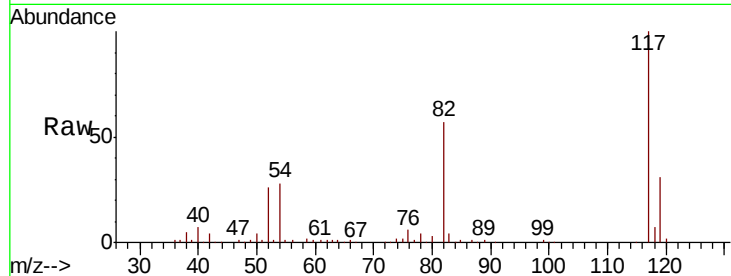




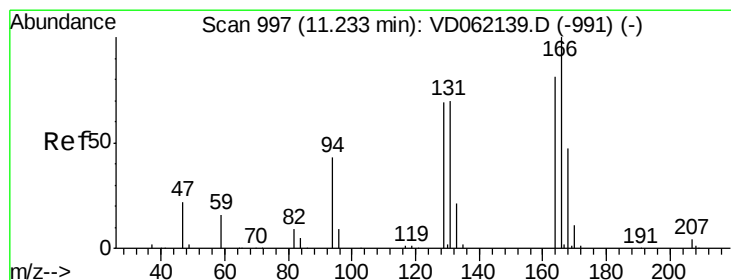
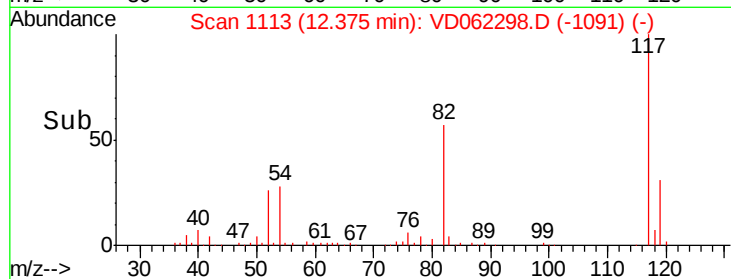
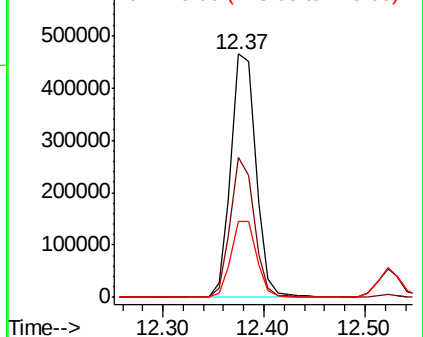
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBSD01

Tot Ion:117 Resp: 806077
Ion Ratio Lower Upper
117 100
82 57.4 36.2 54.2#
119 31.3 26.2 39.4

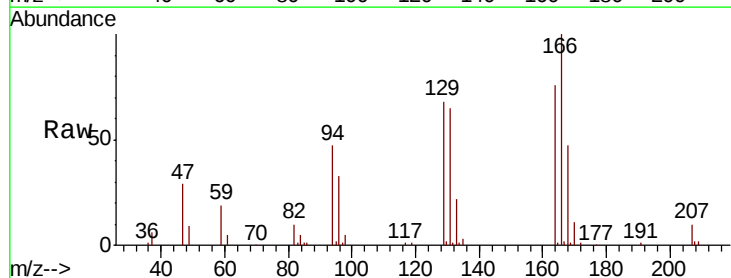


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

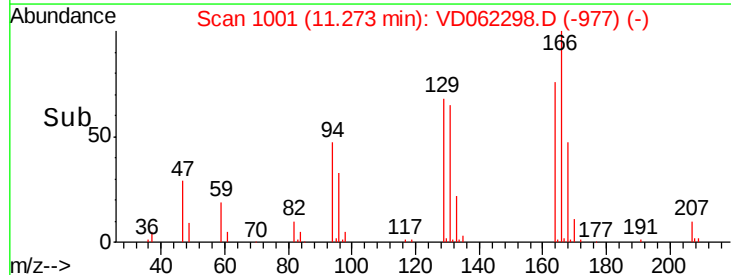
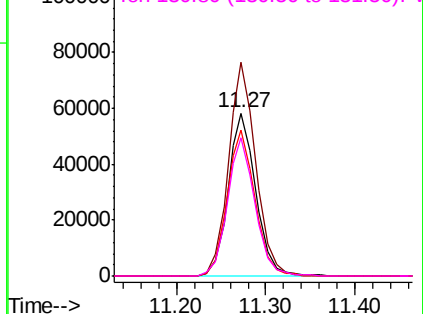


#64
Tetrachloroethene
Concen: 19.926 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion:164 Resp: 125597
Ion Ratio Lower Upper
164 100
166 131.3 101.5 152.3
129 89.8 74.6 112.0
131 84.7 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: 19.223 ug/l

RT: 12.41 min Scan# 1117

Delta R.T. 0.03 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

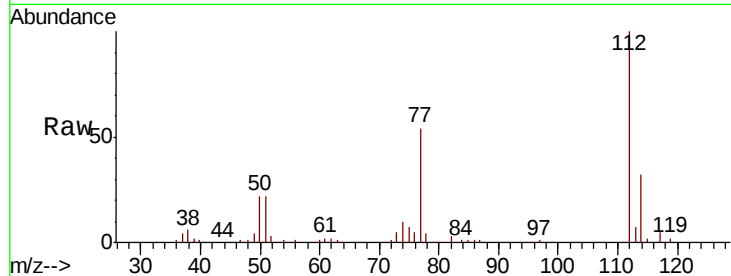
VD0513SBSD01

Tot Ion:112 Resp: 288607

Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

200000

150000

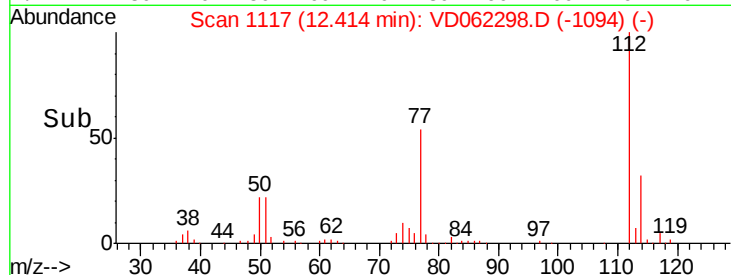
100000

50000

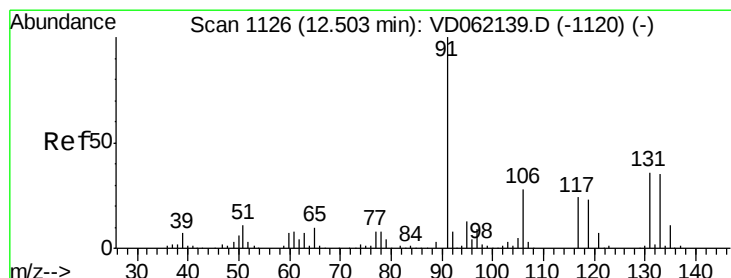
0

12.41

12.30 12.40 12.50



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.058 ug/l

RT: 12.52 min Scan# 1128

Delta R.T. 0.02 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

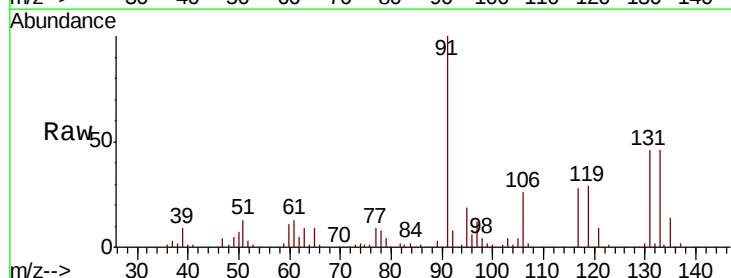
Tgt Ion:131 Resp: 144126

Ion Ratio Lower Upper

131 100

133 100.8 48.6 145.8

119 62.8 34.7 104.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

120000

100000

80000

60000

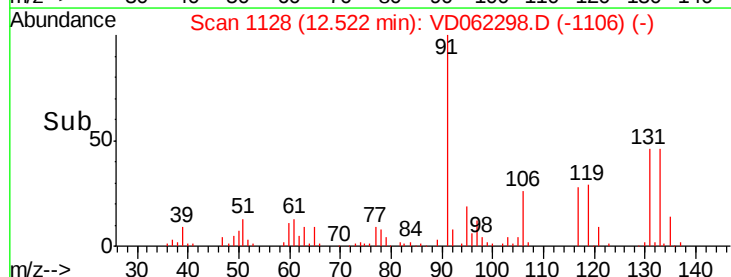
40000

20000

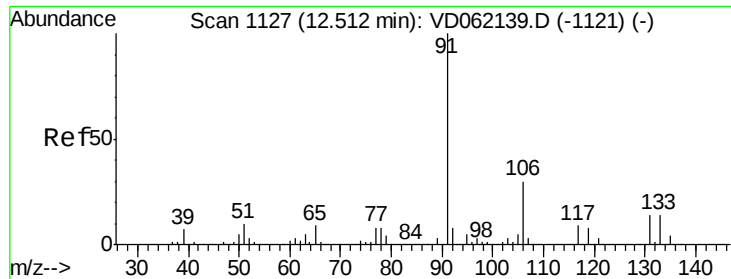
0

12.52

12.50 12.60



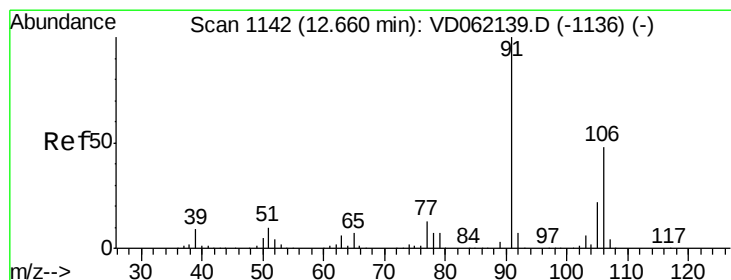
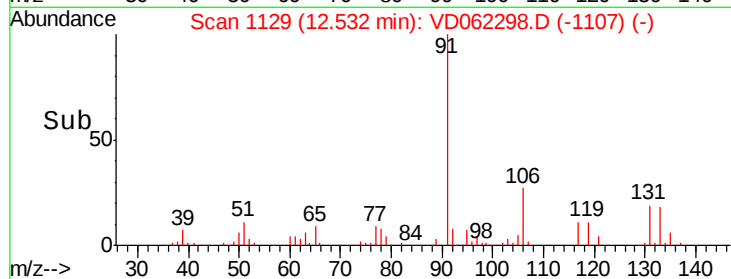
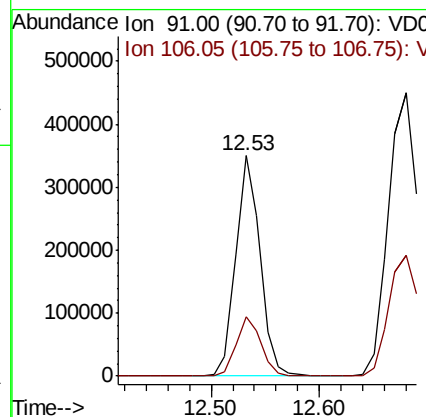
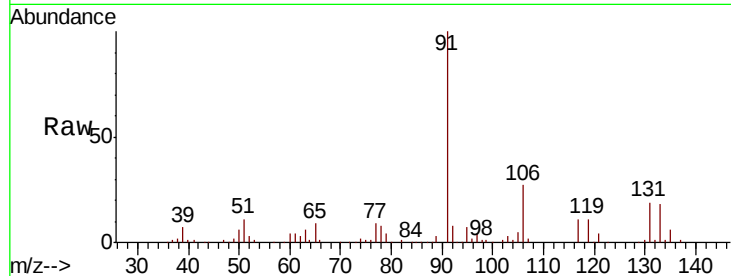
Time-->



#67
Ethyl Benzene
Concen: 21.778 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

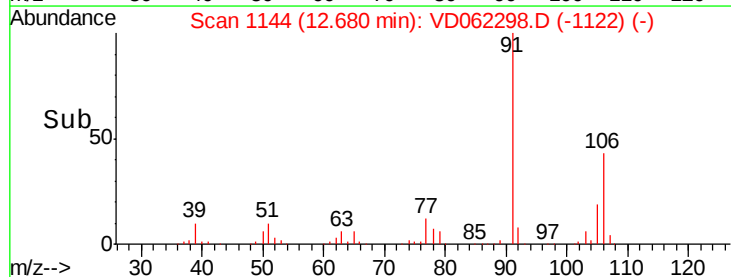
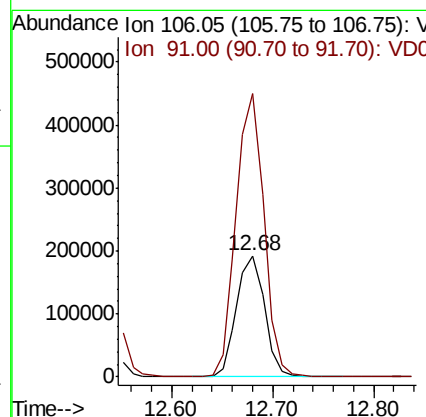
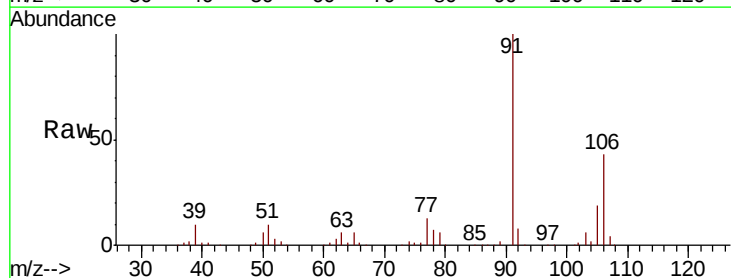
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

Tot Ion: 91 Resp: 547388
Ion Ratio Lower Upper
91 100
106 27.0 24.7 37.1



#68
m/p-Xylenes
Concen: 40.855 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion: 106 Resp: 373607
Ion Ratio Lower Upper
106 100
91 233.4 164.0 246.0

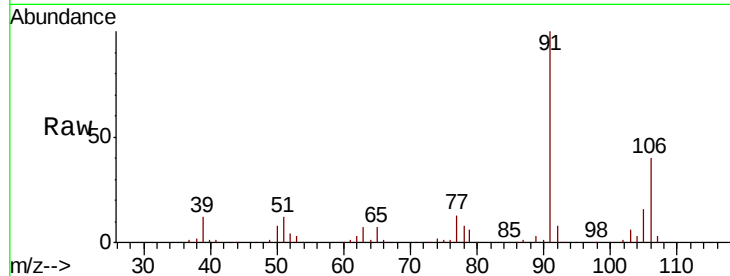




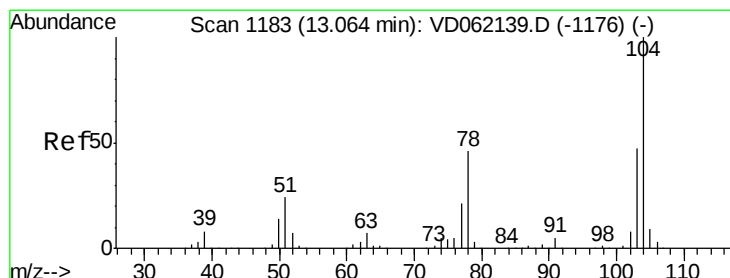
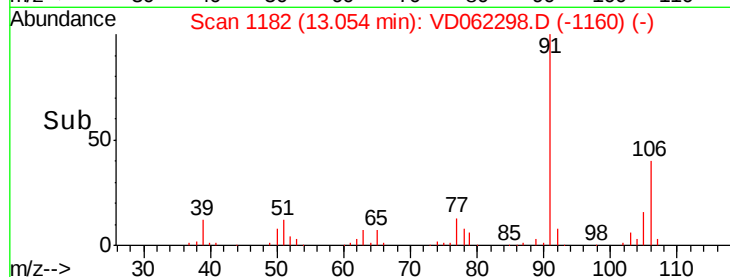
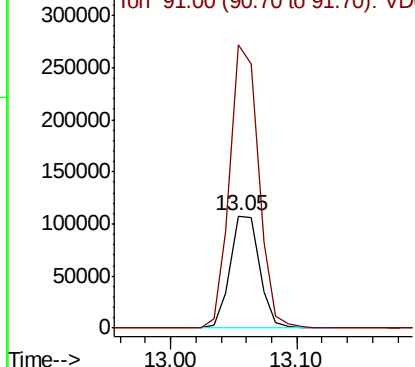
#69
o-Xylene
Concen: 20.455 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Instrument :
MSVOA_D
ClientSampleID :
VD0513SBS01

Tot Ion:106 Resp: 173903
Ion Ratio Lower Upper
106 100
91 252.2 106.7 319.9

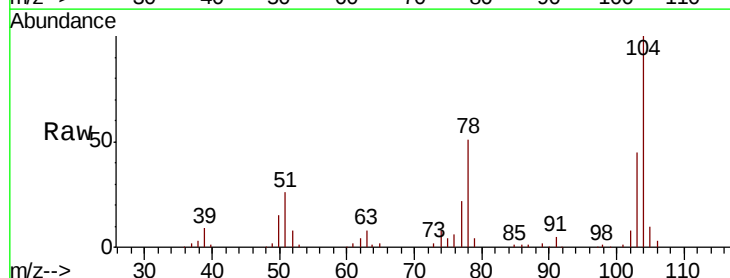


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

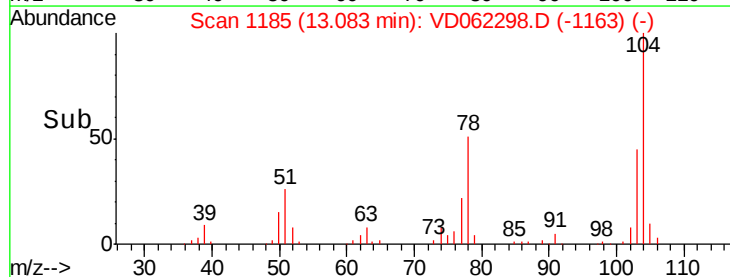
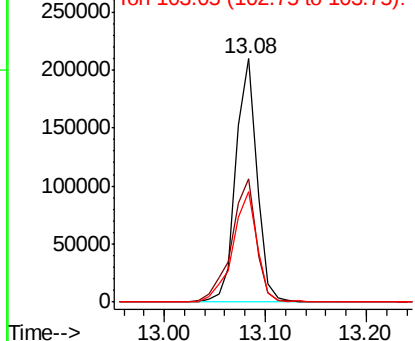


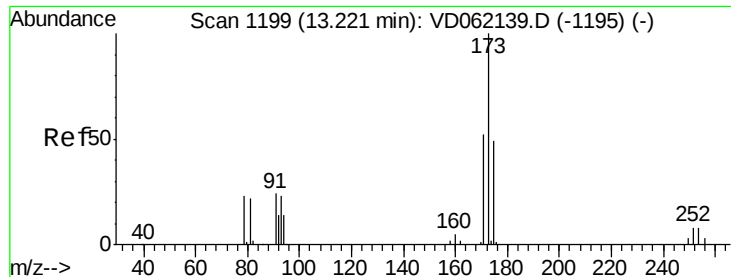
#70
Styrene
Concen: 21.008 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion:104 Resp: 302549
Ion Ratio Lower Upper
104 100
78 50.6 35.4 53.2
103 45.3 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

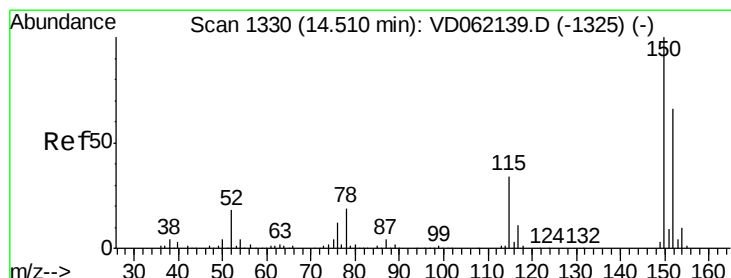
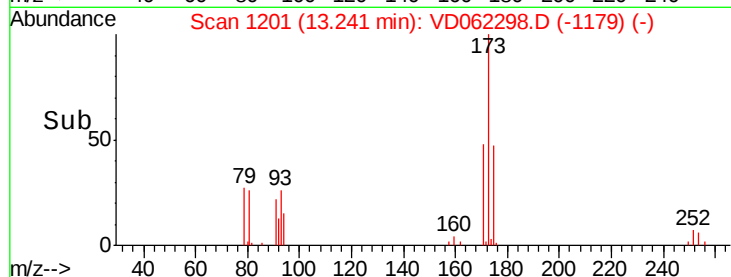
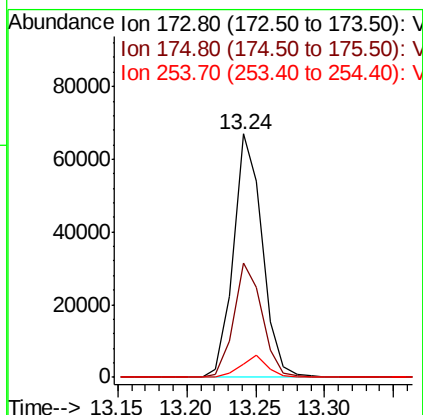
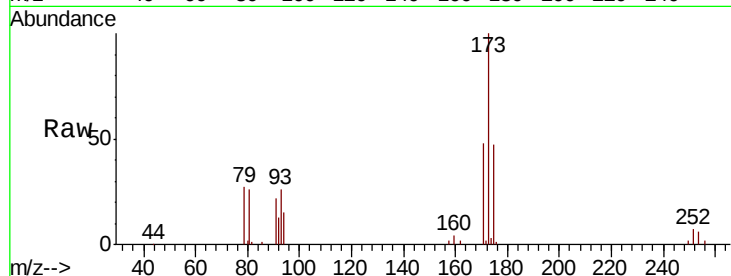




#71
Bromoform
Concen: 21.394 ug/l
RT: 13.24 min Scan# 1201
Delta R.T. 0.02 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

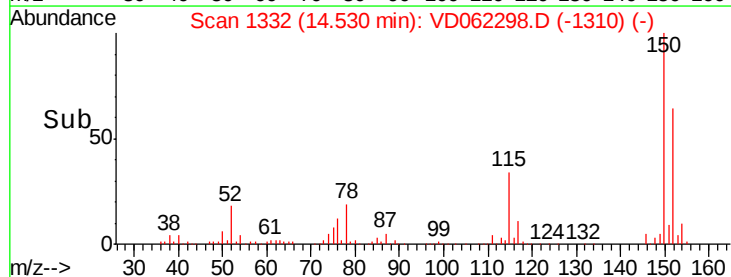
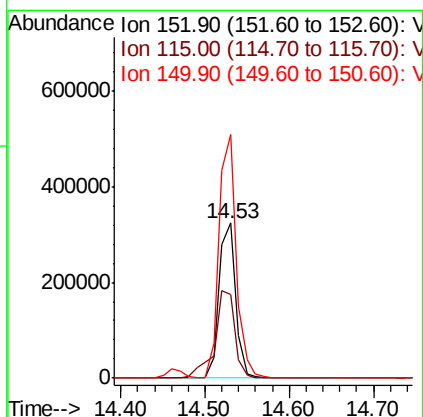
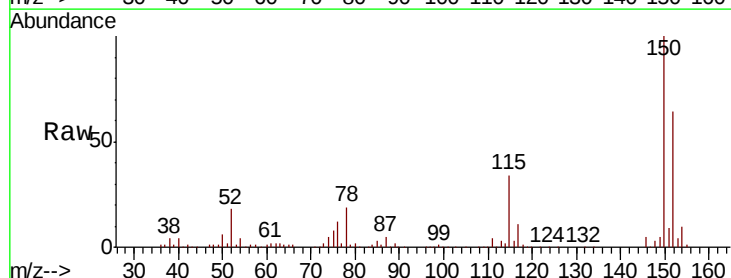
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBS01

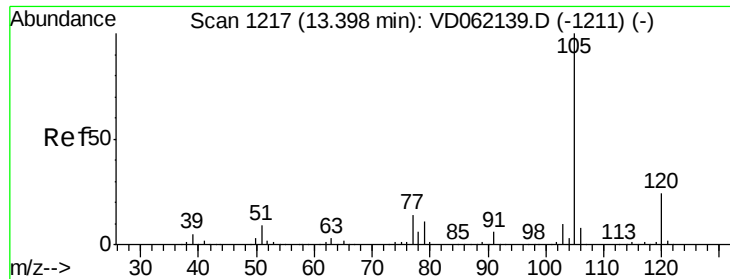
Tot Ion:173 Resp: 97256
Ion Ratio Lower Upper
173 100
175 47.1 24.4 73.4
254 5.5 5.4 8.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion:152 Resp: 444133
Ion Ratio Lower Upper
152 100
115 53.8 30.9 92.7
150 157.3 0.0 314.8





#73

Isopropylbenzene

Concen: 21.476 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

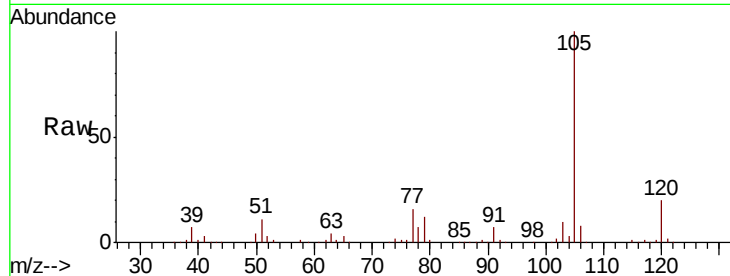
VD0513SBS01

Tot Ion:105 Resp: 571743

Ion Ratio Lower Upper

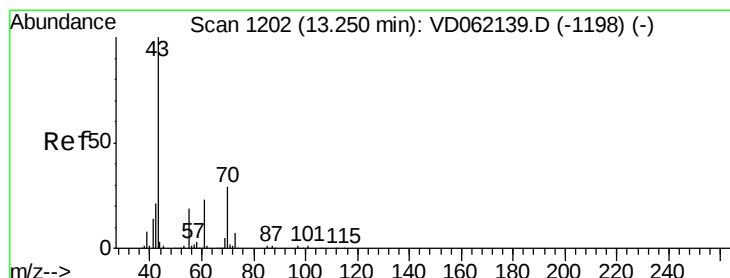
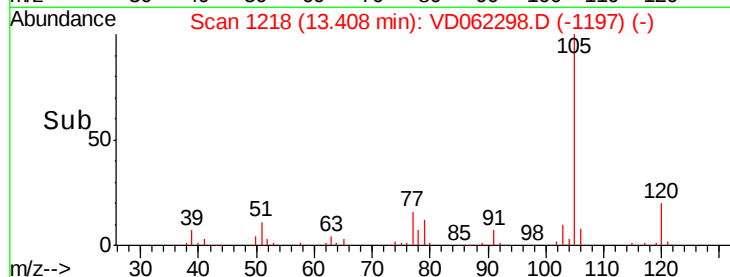
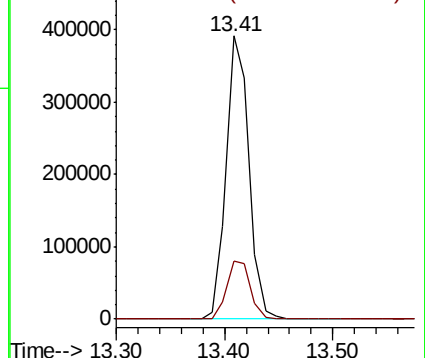
105 100

120 20.4 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.126 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Tgt Ion: 43 Resp: 140478

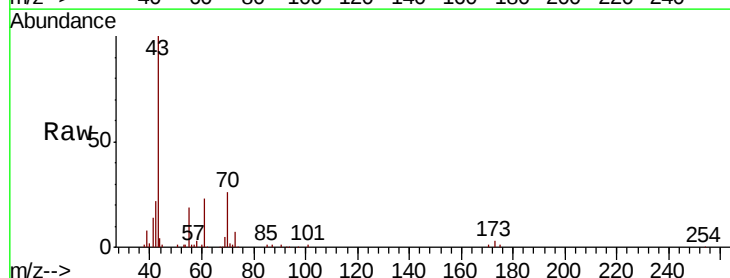
Ion Ratio Lower Upper

43 100

70 26.5 24.2 36.4

55 18.8 16.0 24.0

61 22.7 21.6 32.4

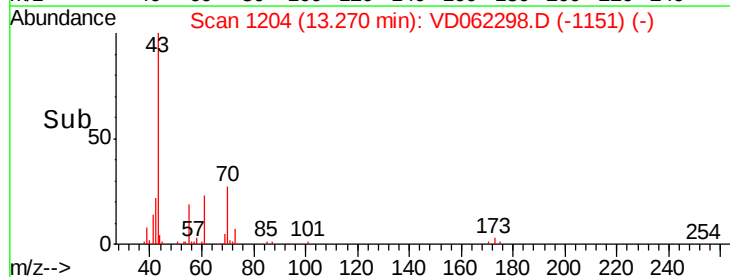
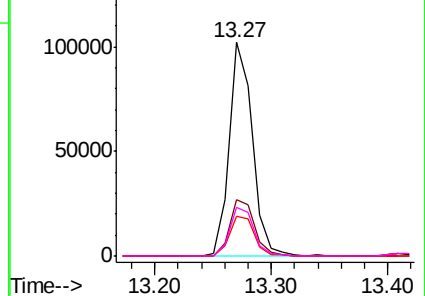


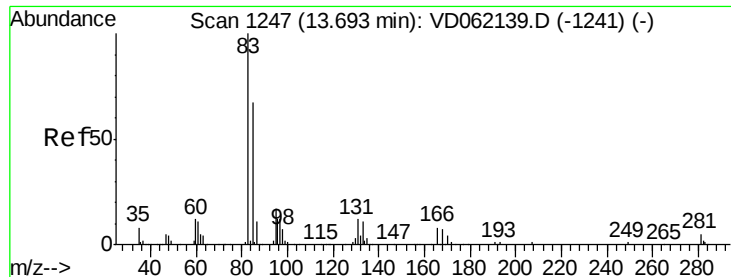
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.421 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

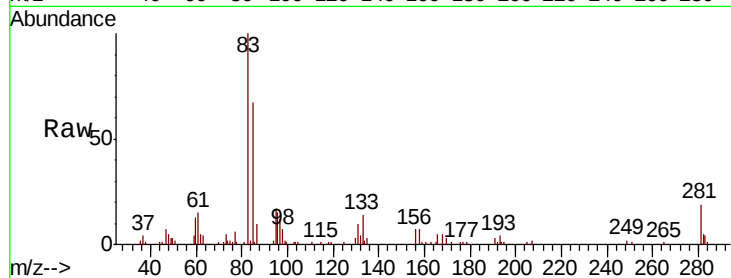
MSVOA_D

ClientSampleId :

VD0513SBSD01

Tot Ion: 83 Resp: 102920

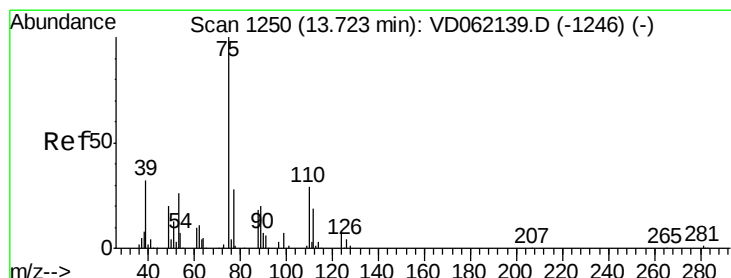
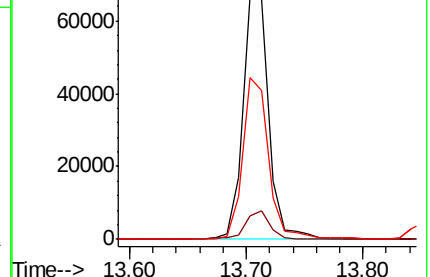
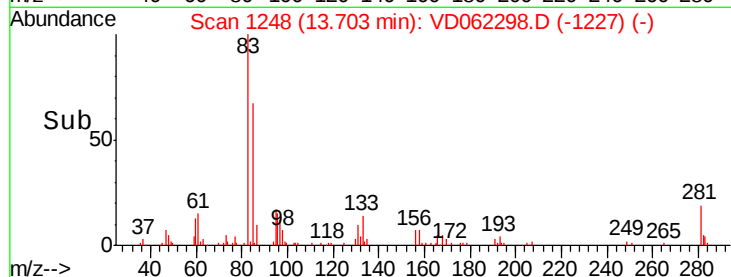
Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	66.5	32.6	97.7



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: 20.671 ug/l

RT: 13.74 min Scan# 1252

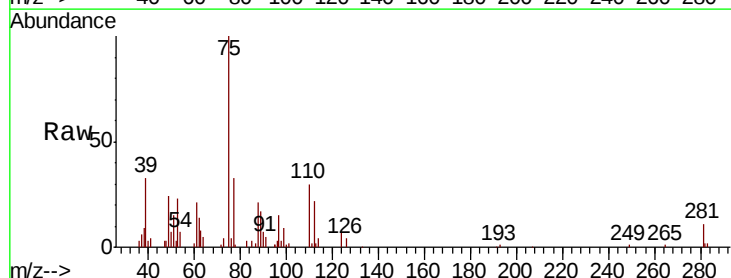
Delta R.T. 0.02 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

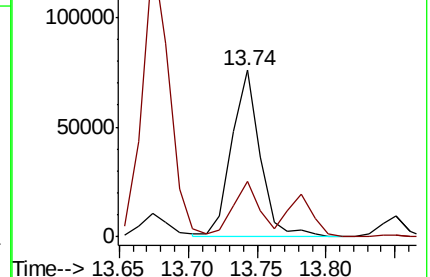
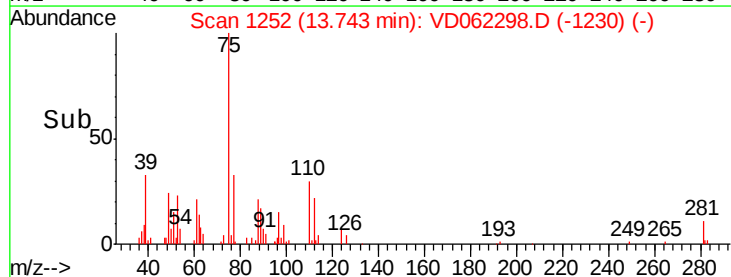
Tgt Ion: 75 Resp: 109107

Ion	Ratio	Lower	Upper
75	100		
77	33.3	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: 19.027 ug/l

RT: 13.68 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBSD01

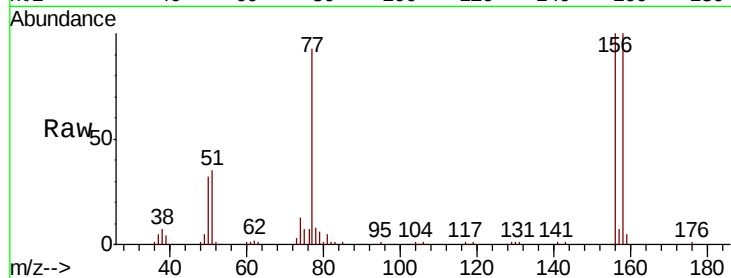
Tot Ion:156 Resp: 141802

Ion Ratio Lower Upper

156 100

77 93.2 53.1 159.4

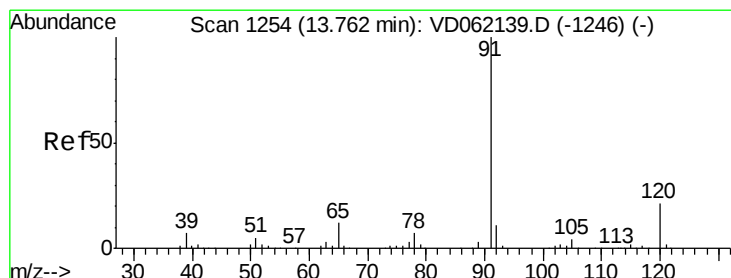
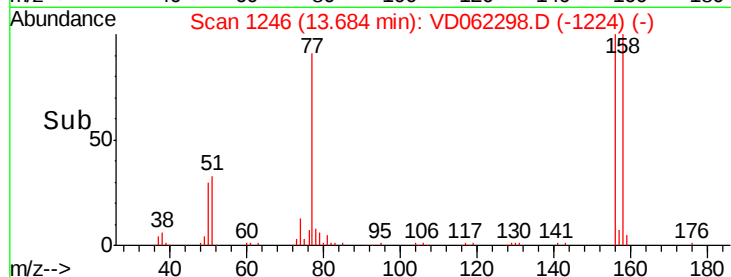
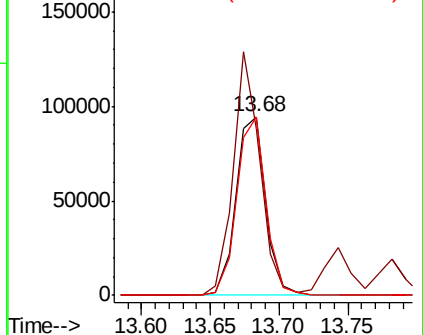
158 100.1 49.4 148.0



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: 19.487 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062298.D

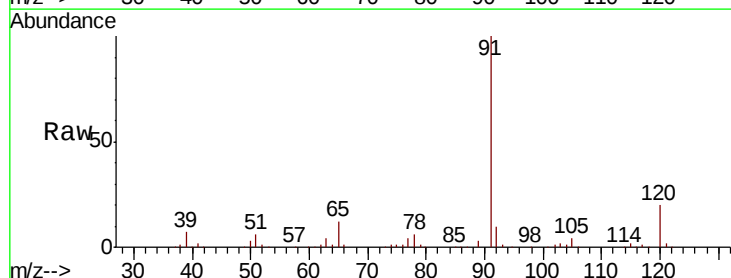
Acq: 13 May 2019 12:13

Tgt Ion: 91 Resp: 618878

Ion Ratio Lower Upper

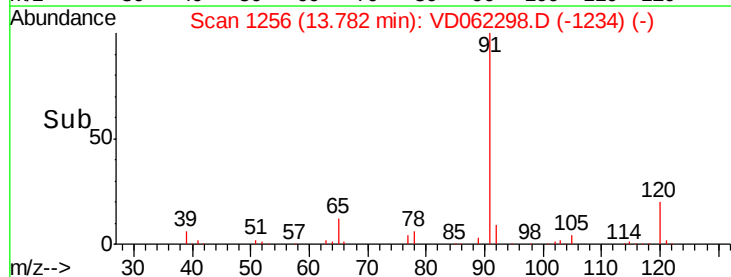
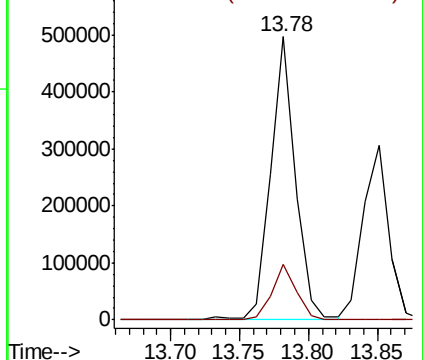
91 100

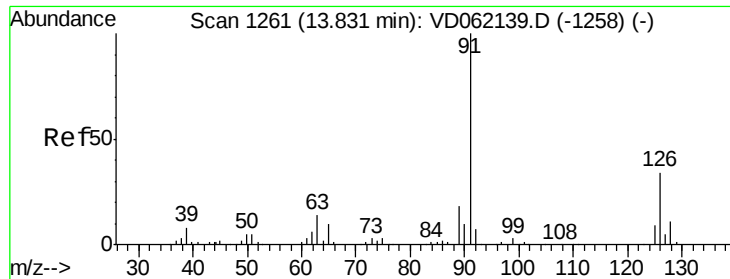
120 19.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.583 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

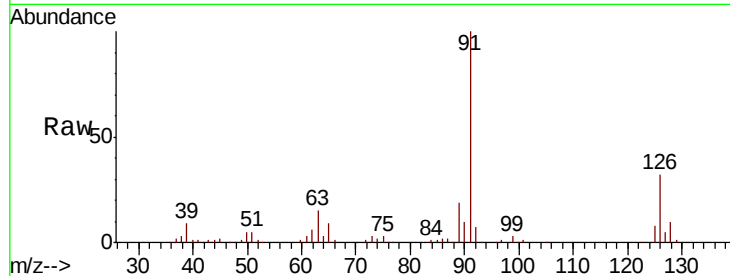
VD0513SBSD01

Tot Ion: 91 Resp: 392552

Ion Ratio Lower Upper

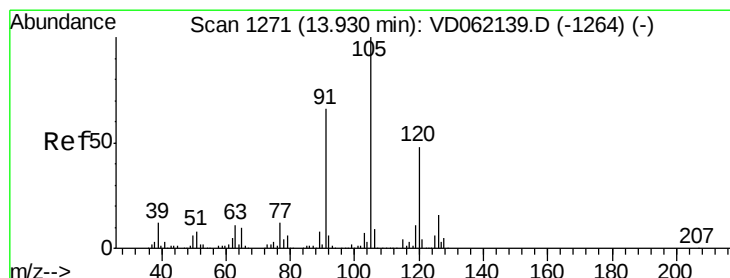
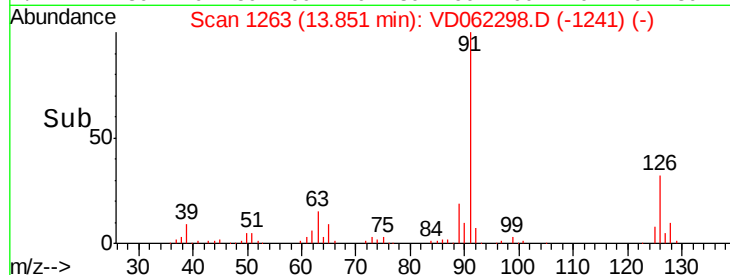
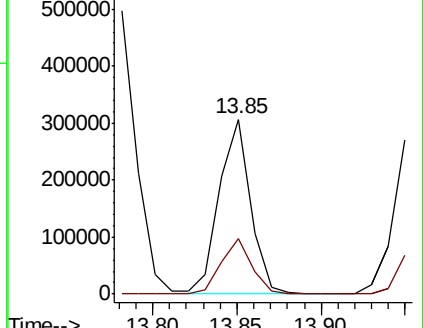
91 100

126 31.8 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: 20.445 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062298.D

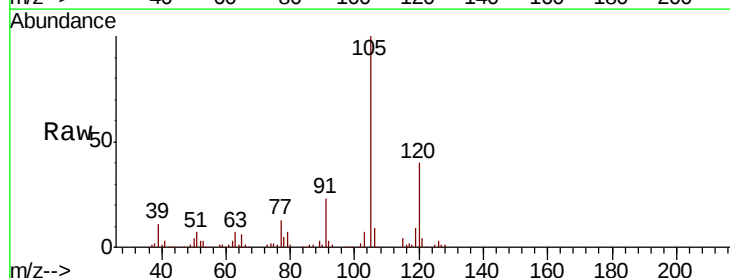
Acq: 13 May 2019 12:13

Tgt Ion:105 Resp: 458336

Ion Ratio Lower Upper

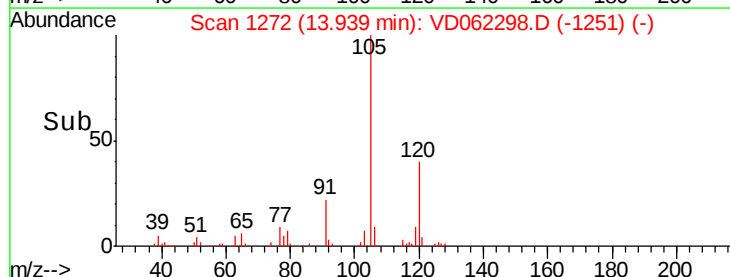
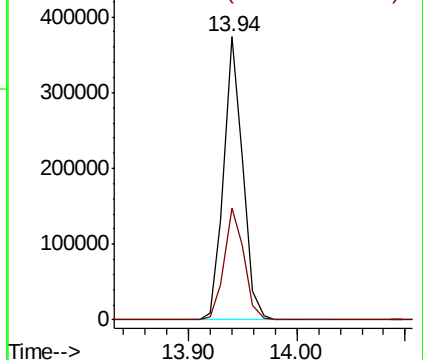
105 100

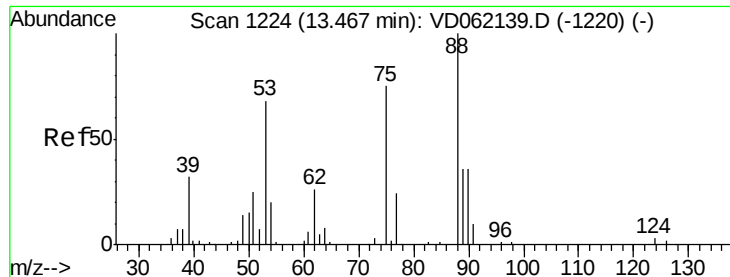
120 39.6 24.0 72.0



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: 18.469 ug/l

RT: 13.49 min Scan# 1226

Delta R.T. 0.02 min

Lab File: VD062298.D

Acq: 13 May 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBSD01

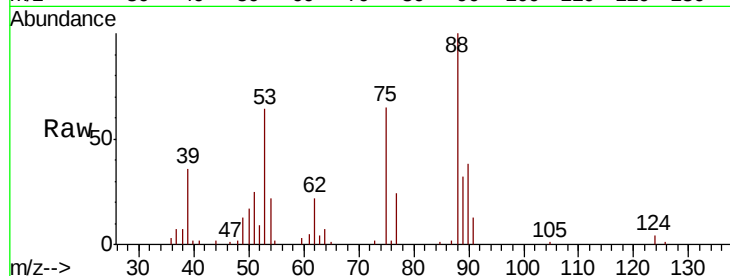
Tot Ion: 75 Resp: 27520

Ion Ratio Lower Upper

75 100

53 99.6 65.8 98.8#

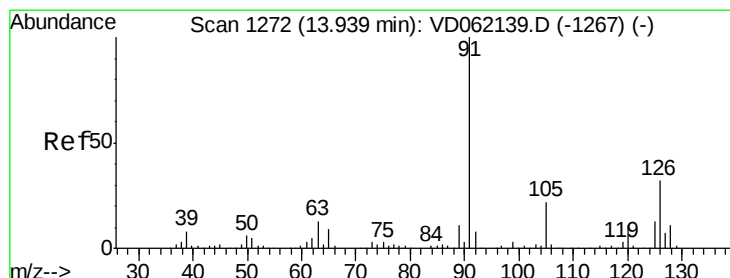
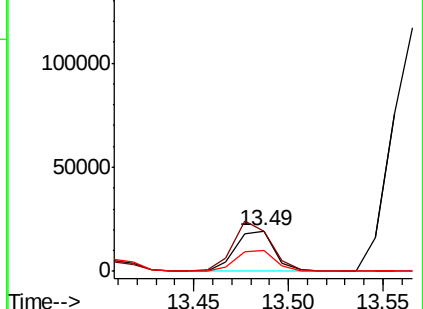
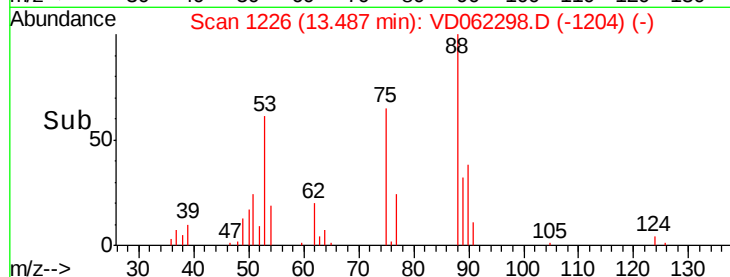
89 49.9 35.0 52.6



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: 21.591 ug/l

RT: 13.96 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VD062298.D

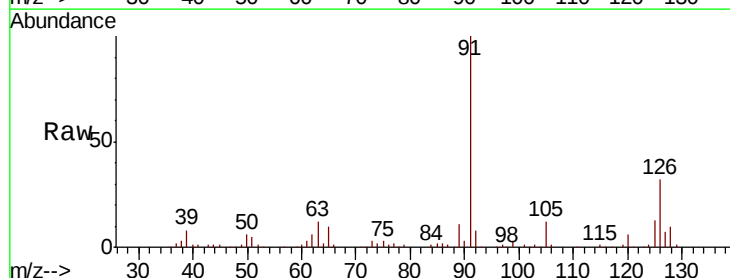
Acq: 13 May 2019 12:13

Tgt Ion: 91 Resp: 462118

Ion Ratio Lower Upper

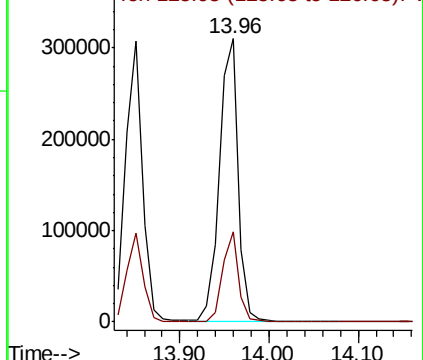
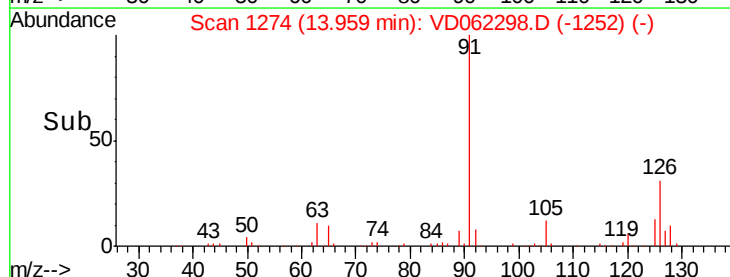
91 100

126 31.9 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

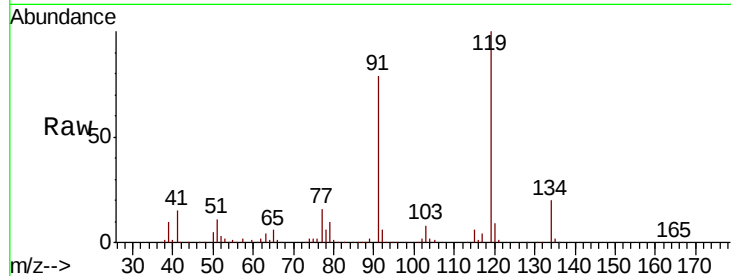




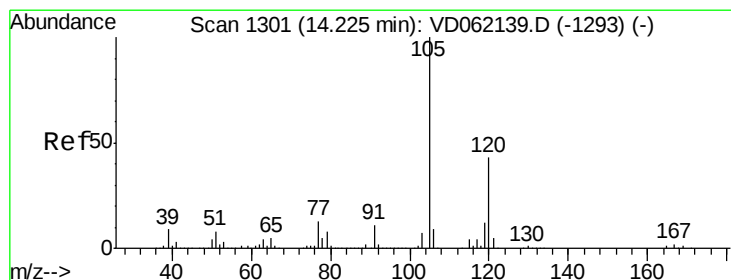
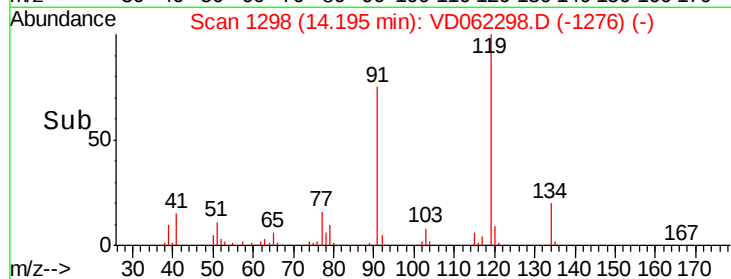
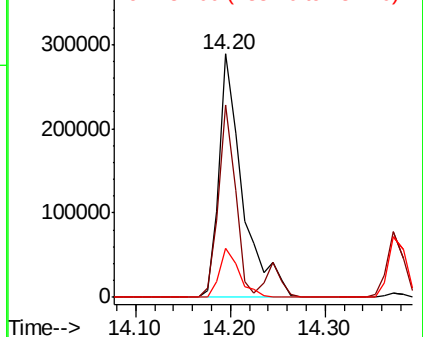
#83
tert-Butylbenzene
Concen: 19.715 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBSD01

Tot Ion:119 Resp: 496786
Ion Ratio Lower Upper
119 100
91 78.8 34.2 102.6
134 20.3 12.0 36.0

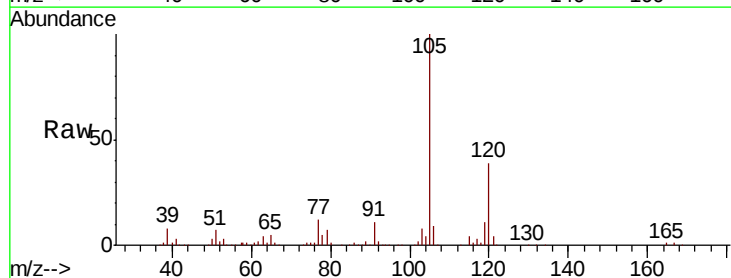


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

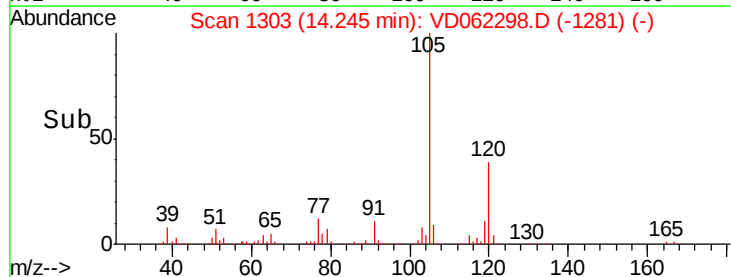
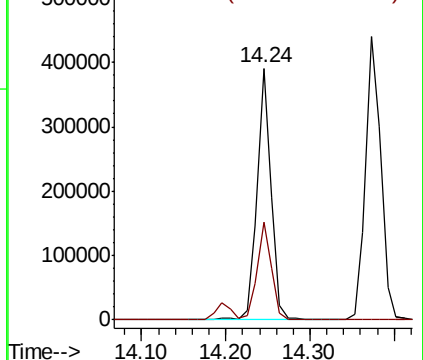


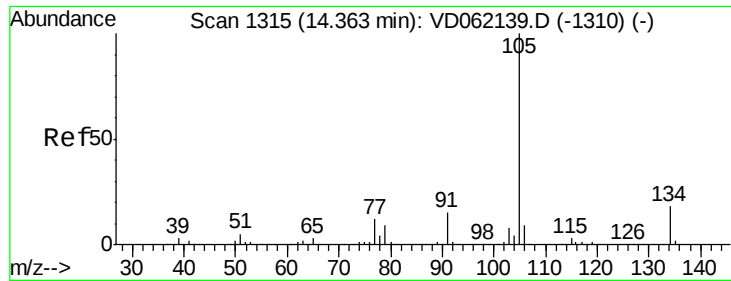
#84
1,2,4-Trimethylbenzene
Concen: 20.420 ug/l
RT: 14.24 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion:105 Resp: 459384
Ion Ratio Lower Upper
105 100
120 39.0 23.1 69.2



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

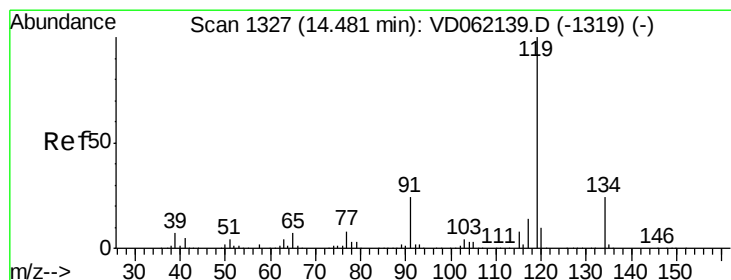
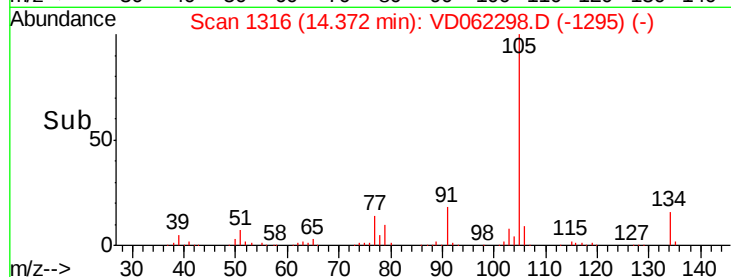
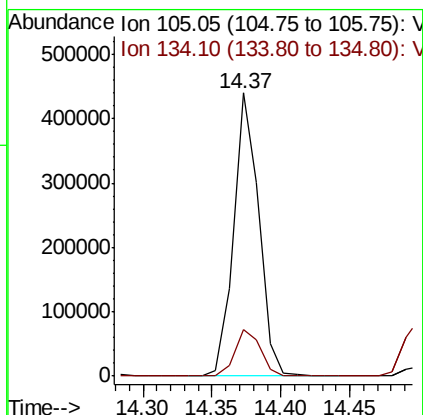
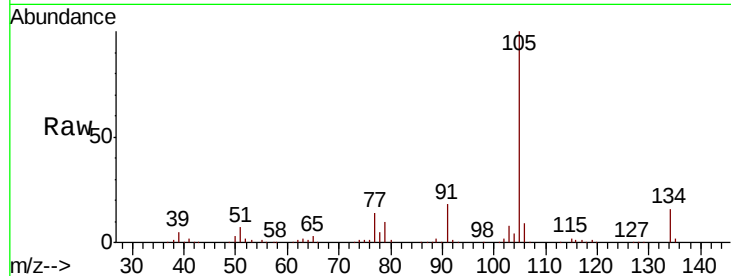




#85
 sec-Butylbenzene
 Concen: 20.063 ug/l
 RT: 14.37 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

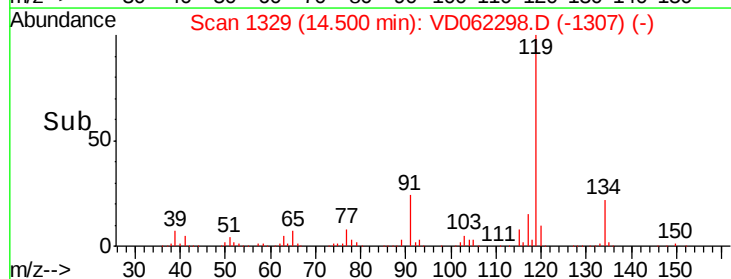
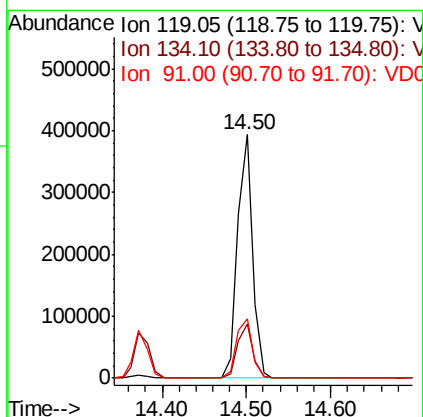
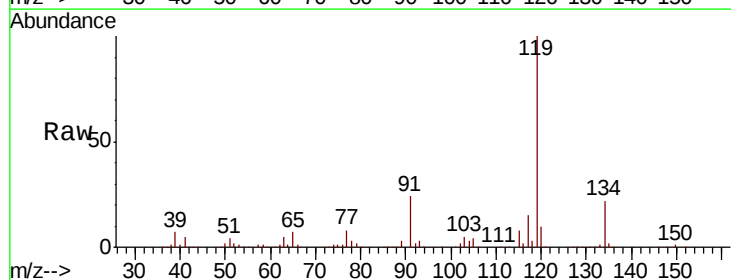
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBSD01

Tot Ion:105 Resp: 554285
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 19.760 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Tgt Ion:119 Resp: 487750
 Ion Ratio Lower Upper
 119 100
 134 22.3 12.8 38.3
 91 24.5 10.7 32.1

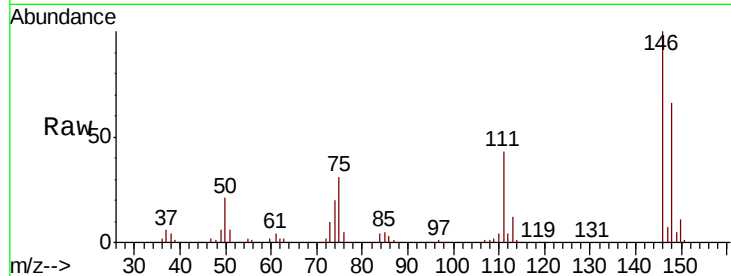




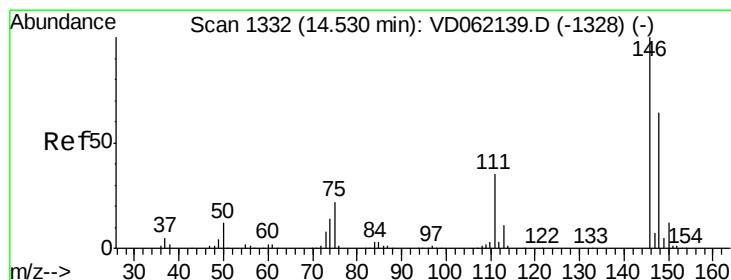
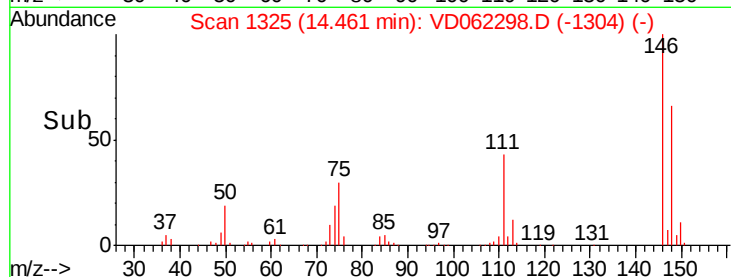
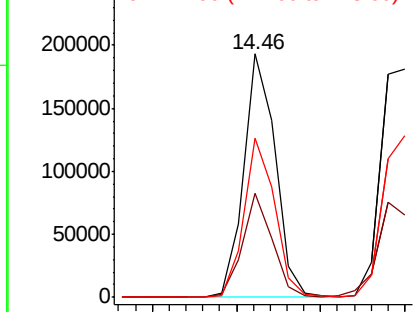
#87
 1,3-Dichlorobenzene
 Concen: 18.446 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBSD01

Tot Ion:146 Resp: 251131
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.0 60.0
 148 65.6 31.8 95.4

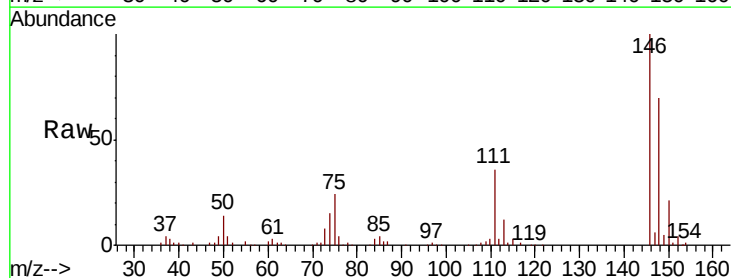


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

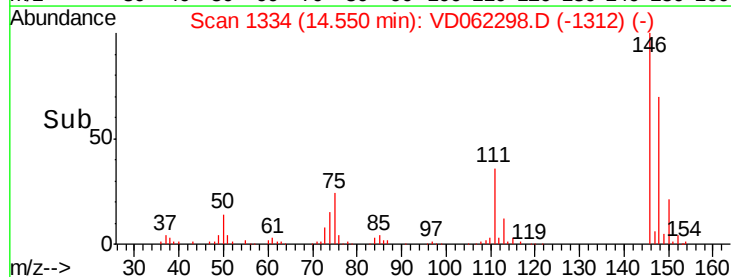
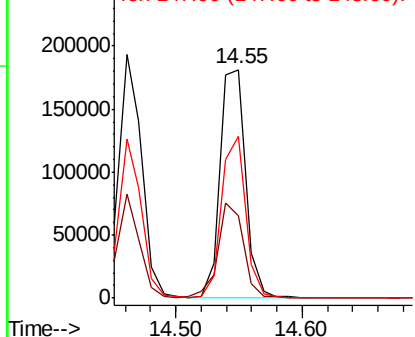


#88
 1,4-Dichlorobenzene
 Concen: 19.099 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.02 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Tgt Ion:146 Resp: 255482
 Ion Ratio Lower Upper
 146 100
 111 36.2 20.2 60.5
 148 70.4 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

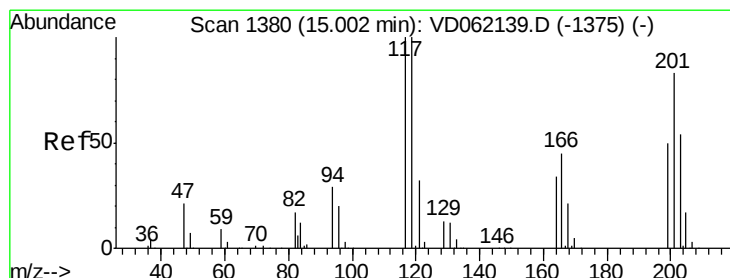
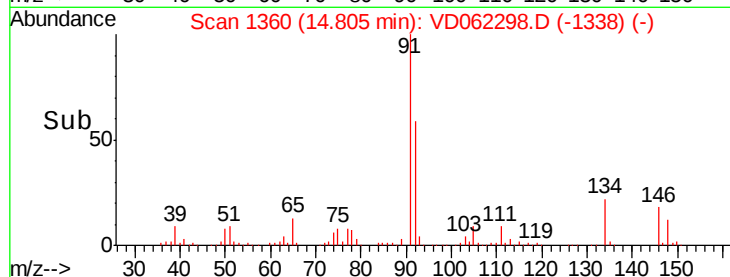
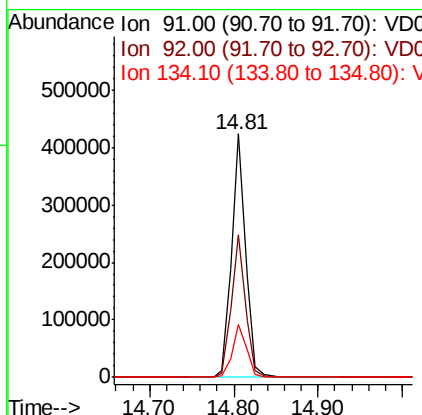
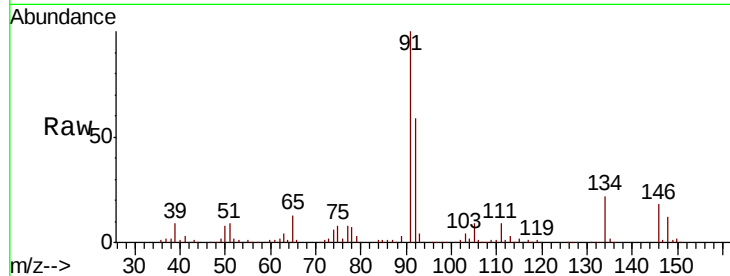




#89
n-Butylbenzene
Concen: 22.048 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

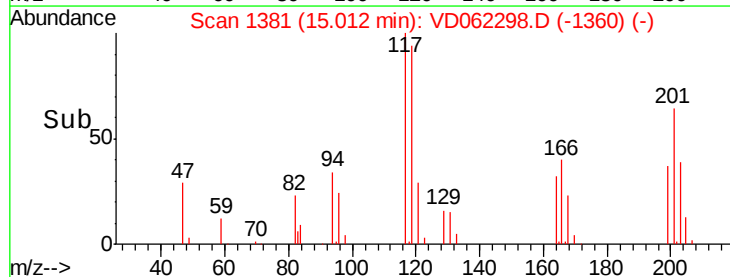
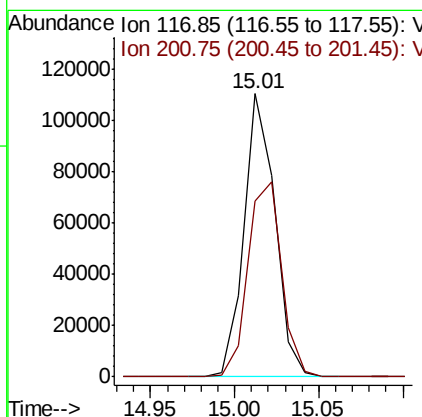
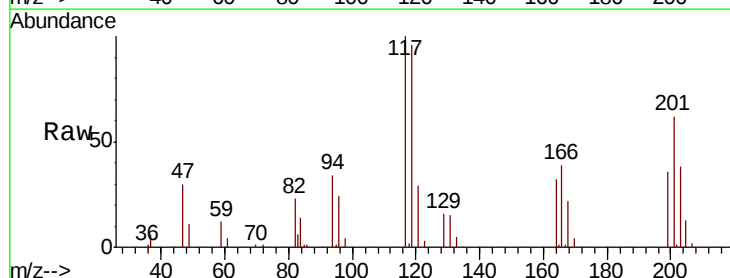
Instrument :
MSVOA_D
ClientSampleId :
VD0513BSD01

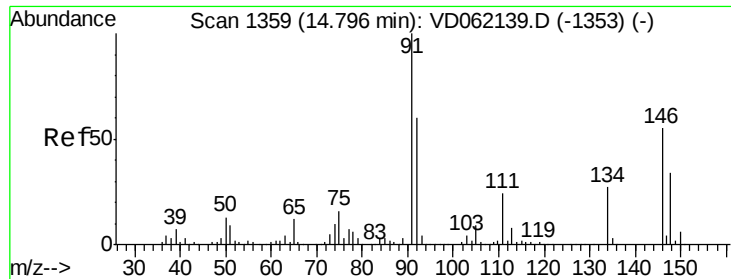
Tot Ion: 91 Resp: 488480
Ion Ratio Lower Upper
91 100
92 58.7 30.3 91.0
134 21.8 14.5 43.6



#90
Hexachloroethane
Concen: 20.923 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion: 117 Resp: 140451
Ion Ratio Lower Upper
117 100
201 62.1 30.2 90.6

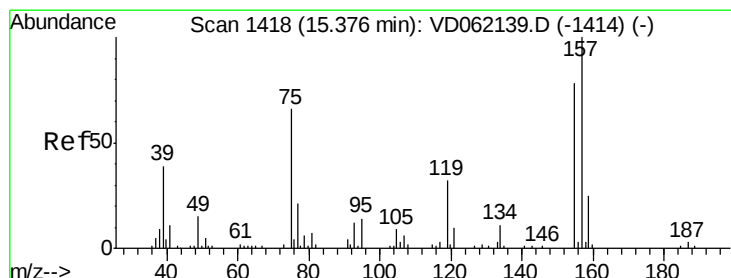
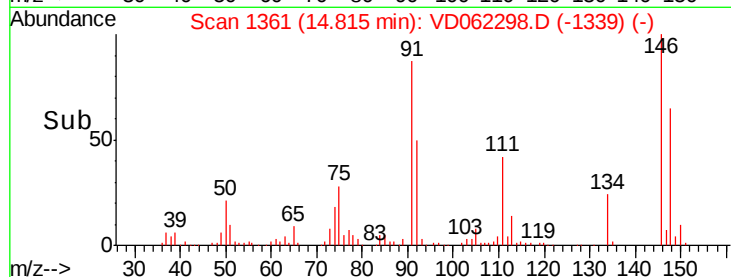
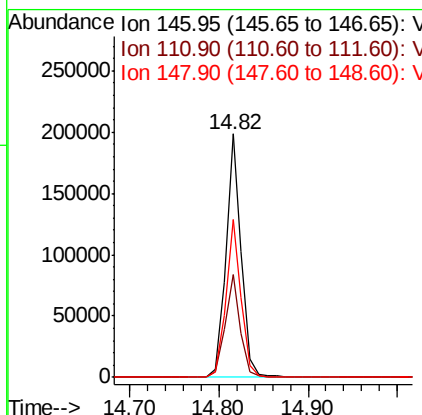
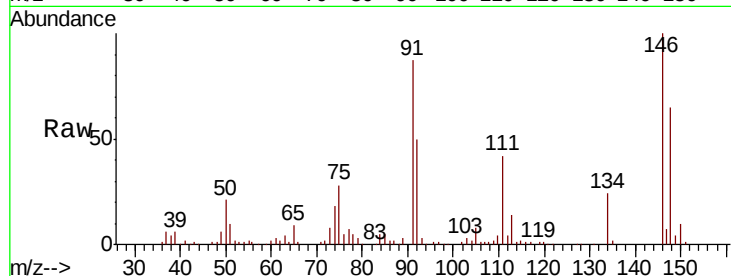




#91
 1,2-Dichlorobenzene
 Concen: 21.479 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

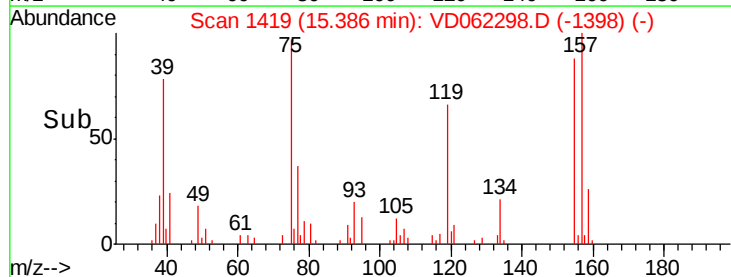
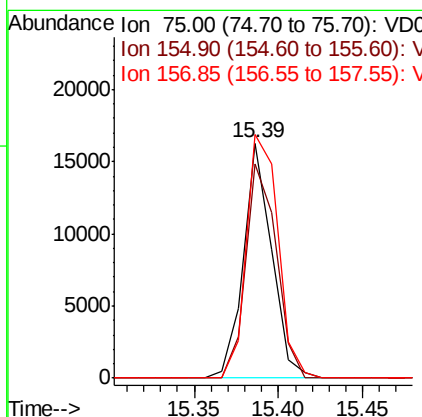
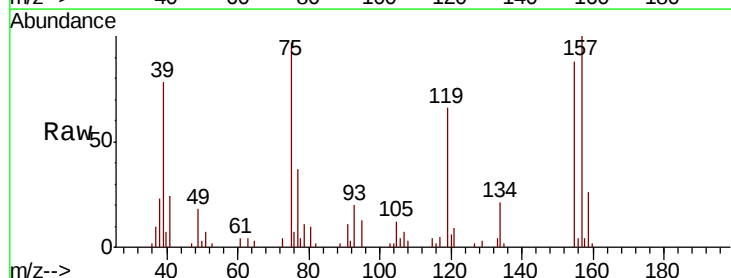
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBSD01

Tot Ion:146 Resp: 240826
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.0 59.9
 148 64.8 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.947 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Tgt Ion: 75 Resp: 18985
 Ion Ratio Lower Upper
 75 100
 155 91.2 55.3 165.8
 157 103.5 67.8 203.2

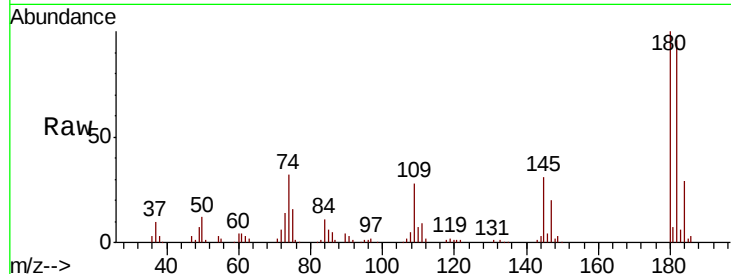




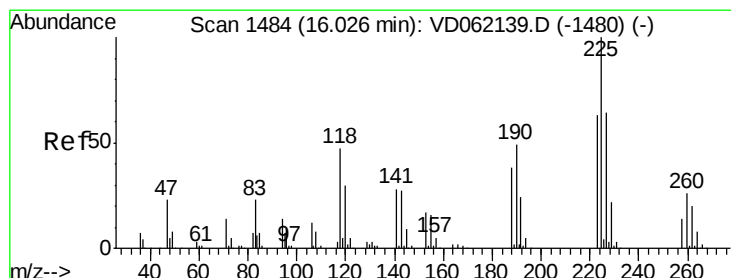
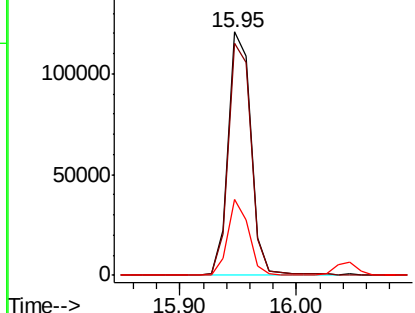
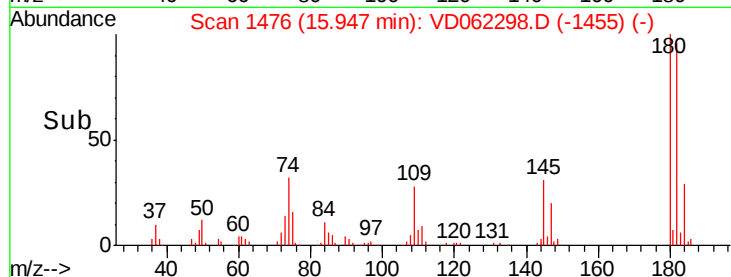
#93
 1,2,4-Trichlorobenzene
 Concen: 20.099 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBSD01

Tot Ion:180 Resp: 164029
 Ion Ratio Lower Upper
 180 100
 182 95.6 49.3 147.8
 145 30.9 16.2 48.6

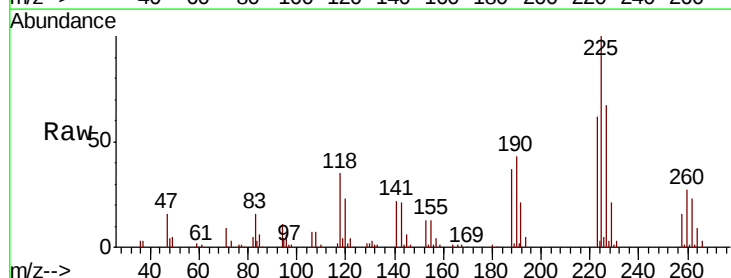


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

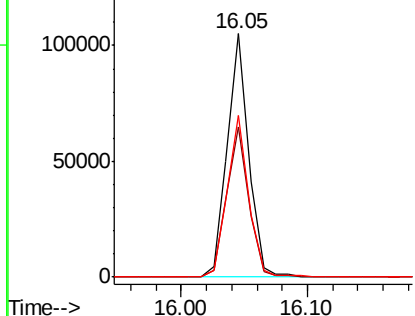
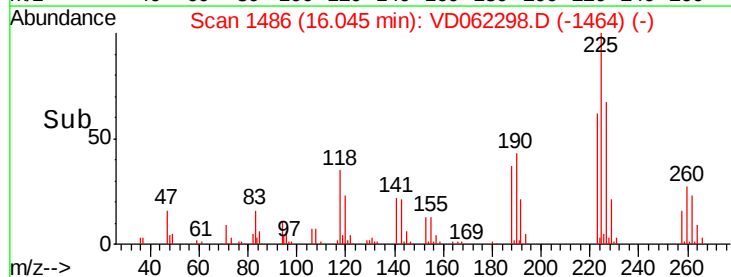


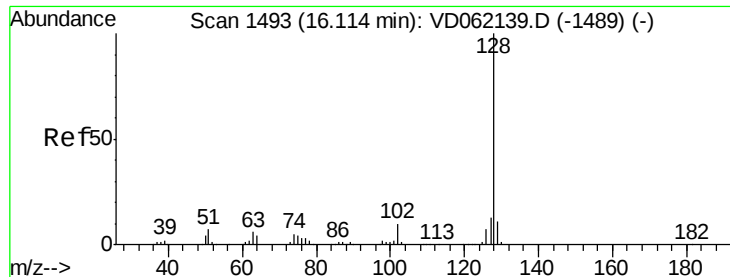
#94
 Hexachlorobutadiene
 Concen: 20.226 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062298.D
 Acq: 13 May 2019 12:13

Tgt Ion:225 Resp: 122769
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.6 92.0
 227 66.7 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

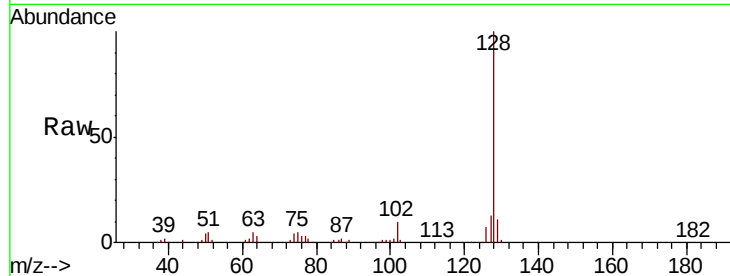




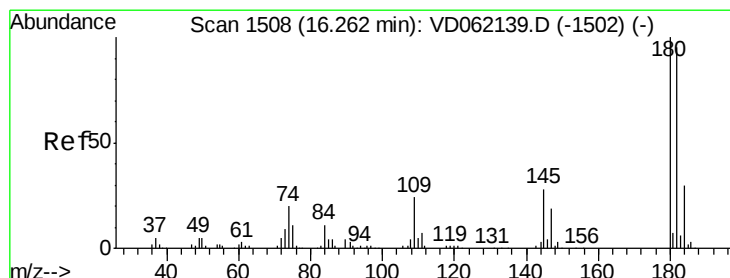
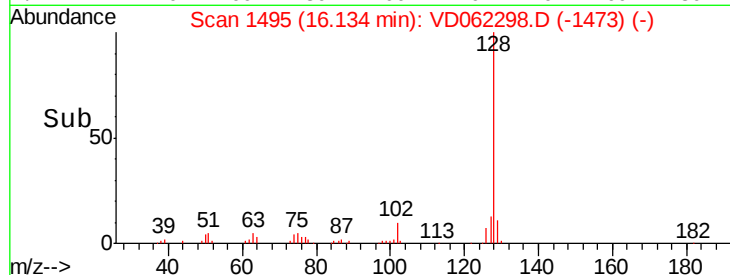
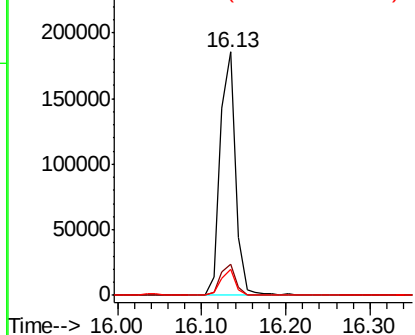
#95
Naphthalene
Concen: 20.721 ug/l
RT: 16.13 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBSD01

Tot Ion:128 Resp: 236082
Ion Ratio Lower Upper
128 100
127 13.0 9.8 14.8
129 10.6 8.8 13.2

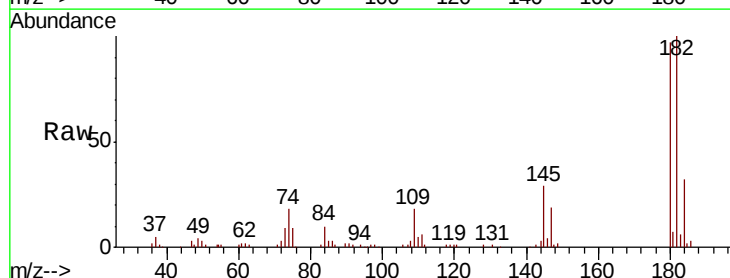


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.681 ug/l
RT: 16.28 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD062298.D
Acq: 13 May 2019 12:13

Tgt Ion:180 Resp: 111248
Ion Ratio Lower Upper
180 100
182 102.9 47.0 141.0
145 29.4 17.0 51.0



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

