

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
 Data File : VD062110.D
 Acq On : 2 May 2019 14:36
 Operator : FY/SY
 Sample : VD0502SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

Quant Time: May 03 01:08:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	575464	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	905661	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	732443	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	358192	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	226040	50.19	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	6.90	113	323110	51.59	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	10.40	98	735315	49.34	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	13.55	95	302001	50.52	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	76771	14.940	ug/l	90
3) Chloromethane	1.75	50	67917	15.551	ug/l	92
4) Vinyl Chloride	1.84	62	61500	15.537	ug/l	97
5) Bromomethane	2.14	94	18099	14.902	ug/l	98
6) Chloroethane	2.25	64	22615	15.805	ug/l	93
7) Trichlorofluoromethane	2.51	101	107261	17.921	ug/l	96
8) Diethyl Ether	2.86	74	26683	16.634	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.13	101	102309	18.557	ug/l	96
10) Methyl Iodide	3.29	142	98189	15.849	ug/l	99
11) Tert butyl alcohol	4.05	59	27166	106.754	ug/l	97
12) 1,1-Dichloroethene	3.11	96	81423	17.359	ug/l	93
13) Acrolein	3.03	56	19363	73.336	ug/l	92
14) Allyl chloride	3.61	41	113461	17.714	ug/l	98
15) Acrylonitrile	4.18	53	70527	89.503	ug/l	85
16) Acetone	3.21	43	104766	97.421	ug/l	100
17) Carbon Disulfide	3.36	76	210843	15.555	ug/l	99
18) Methyl Acetate	3.63	43	43834	21.231	ug/l	99
19) Methyl tert-butyl Ether	4.22	73	168740	18.131	ug/l	96
20) Methylene Chloride	3.79	84	94248	15.823	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	83308	15.482	ug/l	100
22) Diisopropyl ether	5.09	45	261136	17.463	ug/l	97
23) Vinyl Acetate	5.03	43	709705	91.133	ug/l	98
24) 1,1-Dichloroethane	4.96	63	157625	17.439	ug/l	99
25) 2-Butanone	6.05	43	123833	94.976	ug/l	93
26) 2,2-Dichloropropane	6.01	77	145709	18.479	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	109106	17.823	ug/l	95
28) Bromochloromethane	6.42	49	78220	22.618	ug/l	94
29) Tetrahydrofuran	6.44	42	62728	97.641	ug/l	100
30) Chloroform	6.65	83	191417	18.646	ug/l	96
31) Cyclohexane	6.93	56	113155	16.867	ug/l	95
32) 1,1,1-Trichloroethane	6.85	97	168084	18.818	ug/l	98
36) 1,1-Dichloropropene	7.13	75	138932	19.690	ug/l	97
37) Ethyl Acetate	6.16	43	60835	20.232	ug/l	98
38) Carbon Tetrachloride	7.09	117	173920	19.452	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	127468	18.310	ug/l	97
40) Benzene	7.44	78	321611	18.411	ug/l	95
41) Methacrylonitrile	6.43	41	71794	20.464	ug/l #	95
42) 1,2-Dichloroethane	7.56	62	116001	19.558	ug/l	94
43) Isopropyl Acetate	9.23	43	89393	20.347	ug/l	96
44) Trichloroethene	8.53	130	123409	18.223	ug/l	96
45) 1,2-Dichloropropane	8.92	63	82888	18.704	ug/l	100
46) Dibromomethane	9.05	93	65115	20.420	ug/l	96
47) Bromodichloromethane	9.37	83	143961	19.107	ug/l	98
48) Methyl methacrylate	9.11	41	53624	21.393	ug/l	91
49) 1,4-Dioxane	9.06	88	11152	412.653	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	276857	103.042	ug/l	97
52) Toluene	10.50	92	208641	18.732	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	125746	19.883	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	145953	18.975	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	76737	20.522	ug/l	96
56) Ethyl methacrylate	11.03	69	79564	19.212	ug/l	96
57) 1,3-Dichloropropane	11.39	76	119473	20.687	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	255604	132.749	ug/l	99
59) 2-Hexanone	11.52	43	198072	98.274	ug/l	97
60) Dibromochloromethane	11.68	129	121776	19.682	ug/l	98
61) 1,2-Dibromoethane	11.80	107	91016	20.519	ug/l	93
64) Tetrachloroethene	11.25	164	97347	18.631	ug/l	97
65) Chlorobenzene	12.39	112	250522	18.101	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	113121	19.268	ug/l	97
67) Ethyl Benzene	12.52	91	411570	18.219	ug/l	99
68) m/p-Xylenes	12.66	106	298854	36.603	ug/l	99
69) o-Xylene	13.05	106	152542	20.419	ug/l	95
70) Styrene	13.07	104	264096	20.474	ug/l	97
71) Bromoform	13.22	173	67916	20.291	ug/l	94
73) Isopropylbenzene	13.40	105	386084	16.158	ug/l	100
74) N-amyl acetate	13.26	43	107169	17.416	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	89098	19.029	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	86487	19.014	ug/l	95
77) Bromobenzene	13.67	156	124435	18.154	ug/l	99
78) n-propylbenzene	13.77	91	491597	17.972	ug/l	99
79) 2-Chlorotoluene	13.83	91	269047	16.239	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	327225	17.175	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	23682	17.181	ug/l	95
82) 4-Chlorotoluene	13.94	91	308203	16.892	ug/l	94
83) tert-Butylbenzene	14.18	119	363174	16.455	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	344919	18.960	ug/l	95
85) sec-Butylbenzene	14.37	105	442336	18.548	ug/l	97
86) p-Isopropyltoluene	14.48	119	379790	17.795	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	222009	18.496	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	216572	19.293	ug/l	97
89) n-Butylbenzene	14.79	91	342457	17.872	ug/l	96
90) Hexachloroethane	15.01	117	104893	18.175	ug/l	83
91) 1,2-Dichlorobenzene	14.80	146	185505	18.735	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	11860	18.877	ug/l	70

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Quant Title : SW846 8260
QLast Update : Thu May 02 07:55:52 2019
Response via : Initial Calibration

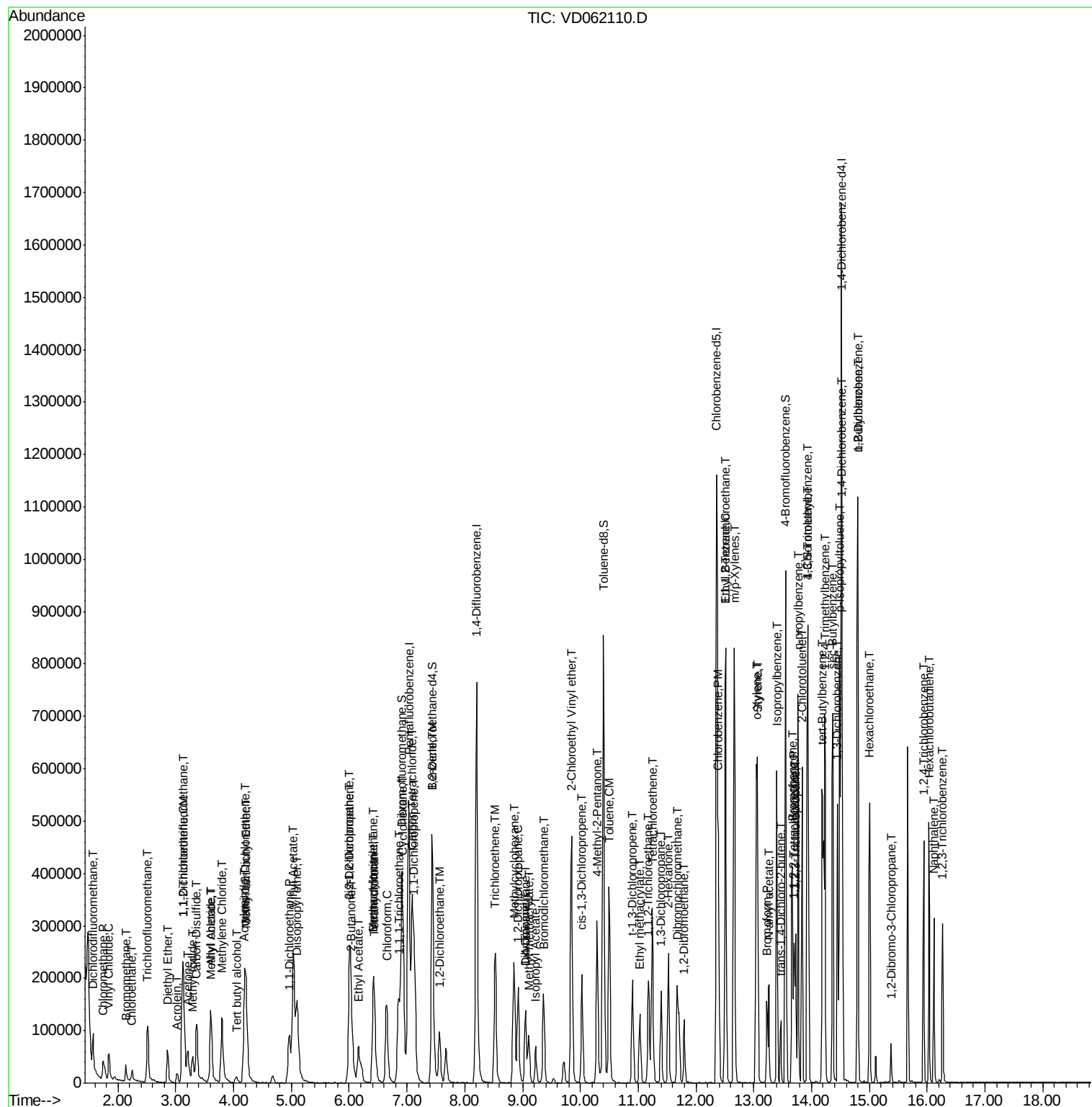
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	116989	21.898	ug/l	99
94) Hexachlorobutadiene	16.03	225	81322	20.569	ug/l	97
95) Naphthalene	16.12	128	180424	20.917	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	74298	24.511	ug/l	98

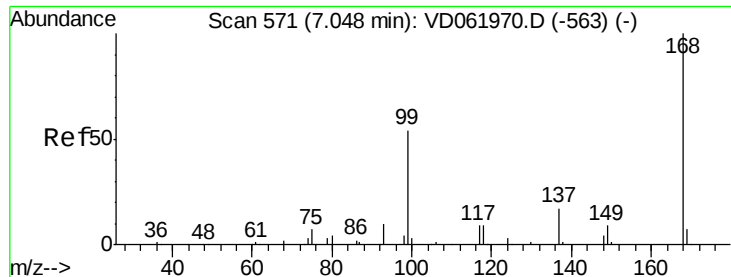
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

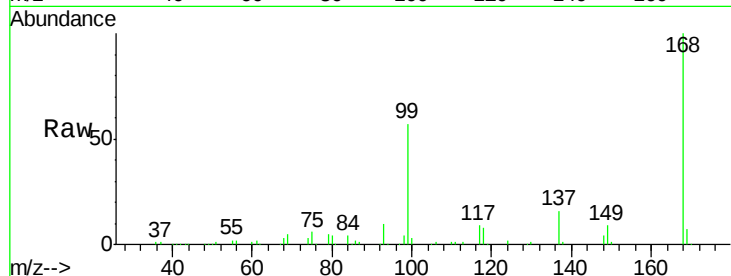
VD0502SBS01

Tot Ion:168 Resp: 575464

Ion Ratio Lower Upper

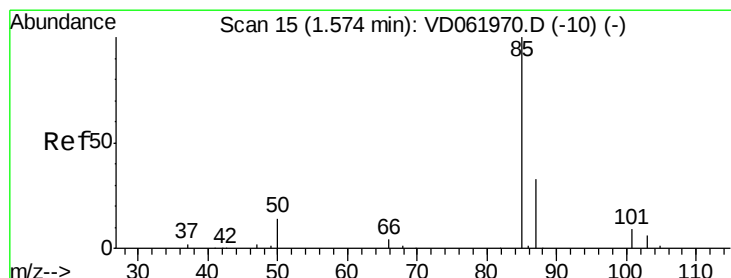
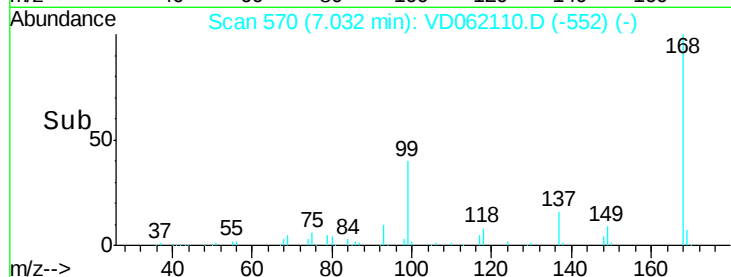
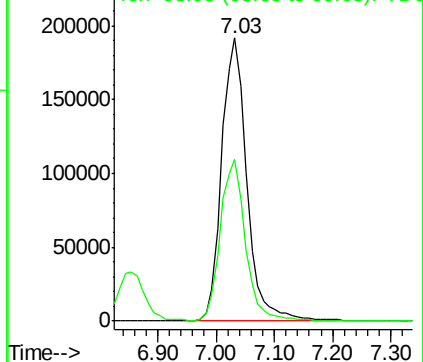
168 100

99 57.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 14.940 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.02 min

Lab File: VD062110.D

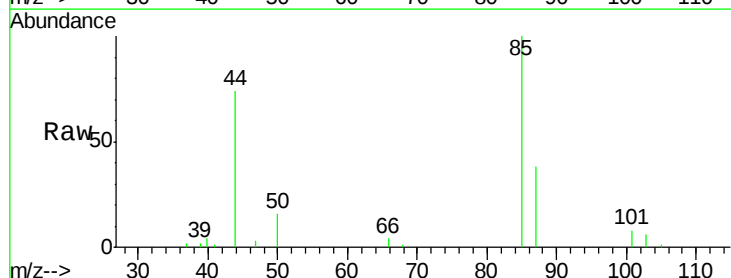
Acq: 2 May 2019 14:36

Tgt Ion: 85 Resp: 76771

Ion Ratio Lower Upper

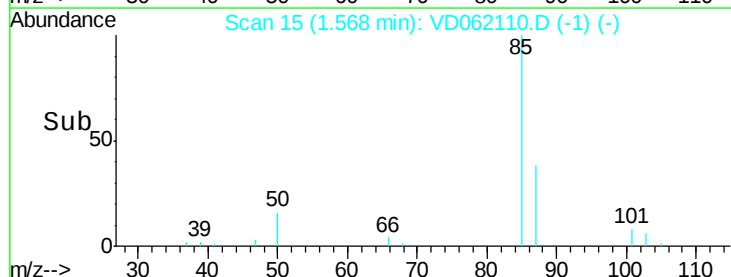
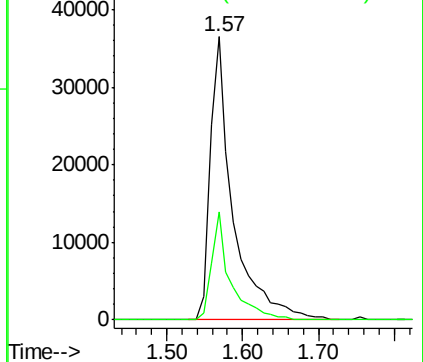
85 100

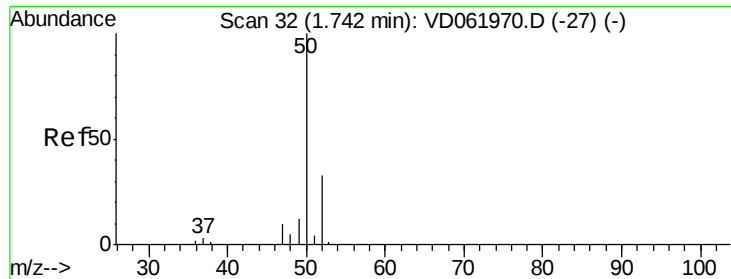
87 38.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

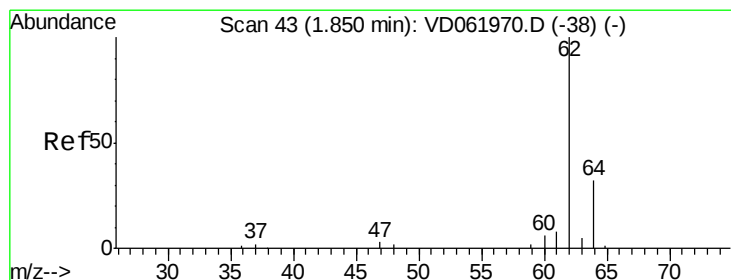
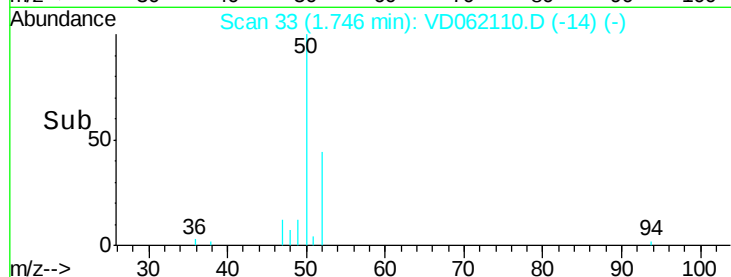
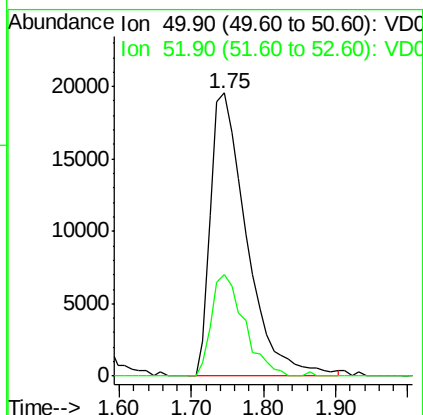
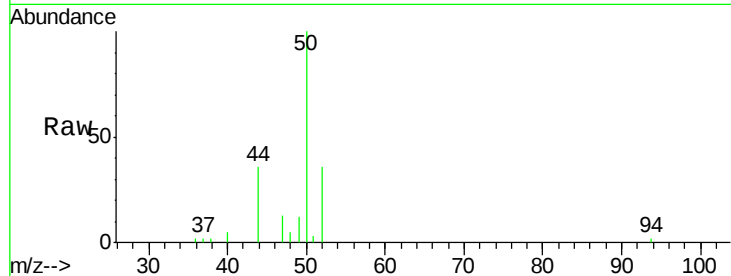




#3
Chloromethane
Concen: 15.551 ug/l
RT: 1.75 min Scan# 33
Delta R.T. -0.01 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

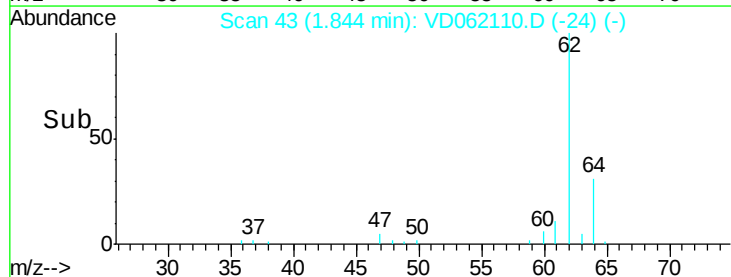
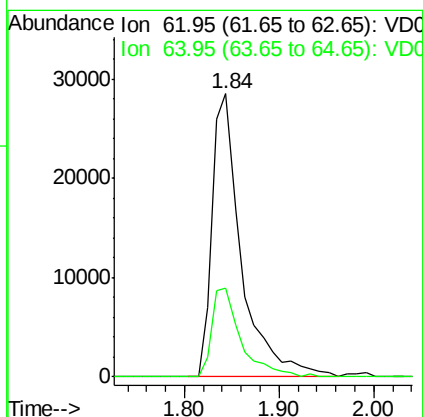
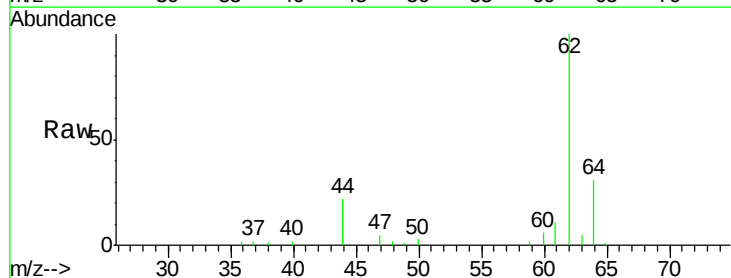
Instrument :
MSVOA_D
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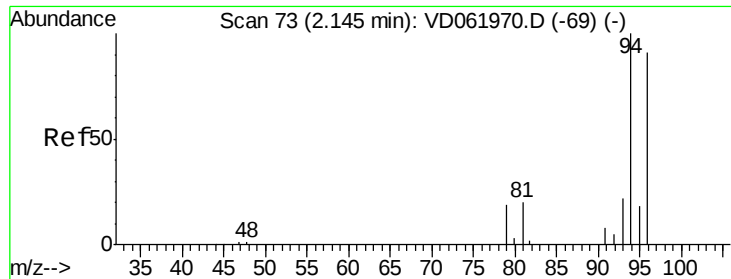
Tot Ion: 50 Resp: 67917
Ion Ratio Lower Upper
50 100
52 36.1 25.2 37.8



#4
Vinyl Chloride
Concen: 15.537 ug/l
RT: 1.84 min Scan# 43
Delta R.T. -0.01 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Tgt Ion: 62 Resp: 61500
Ion Ratio Lower Upper
62 100
64 31.3 26.5 39.7





#5

Bromomethane

Concen: 14.902 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS01

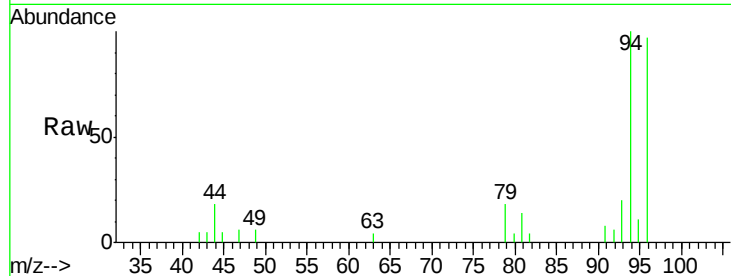
Tot Ion: 94 Resp: 18099

Ion Ratio Lower Upper

94 100

96 96.8 76.6 115.0

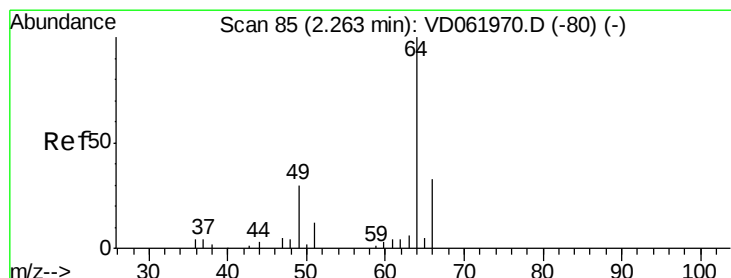
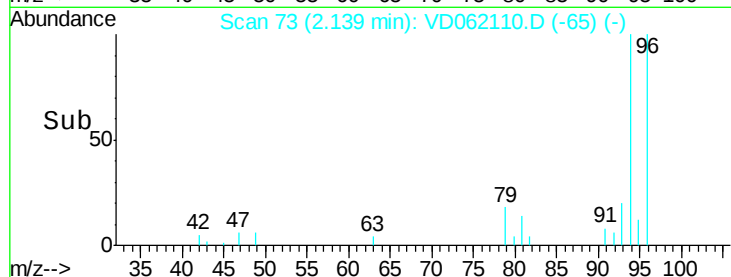
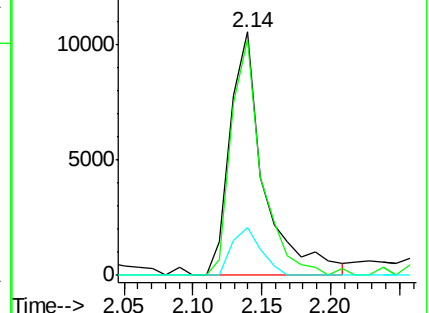
93 19.8 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 15.805 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.03 min

Lab File: VD062110.D

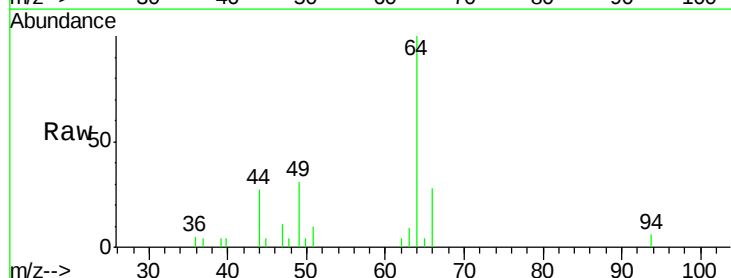
Acq: 2 May 2019 14:36

Tgt Ion: 64 Resp: 22615

Ion Ratio Lower Upper

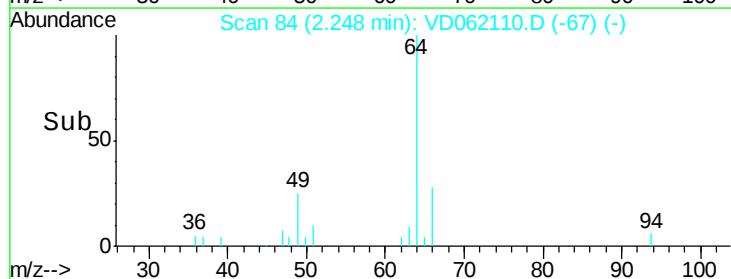
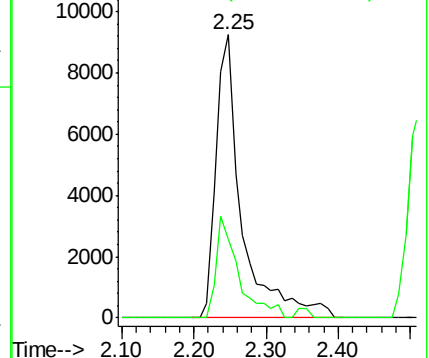
64 100

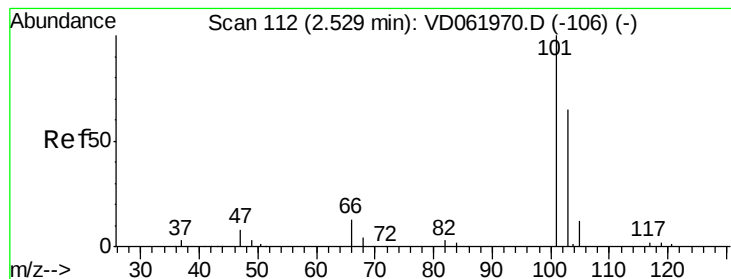
66 27.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



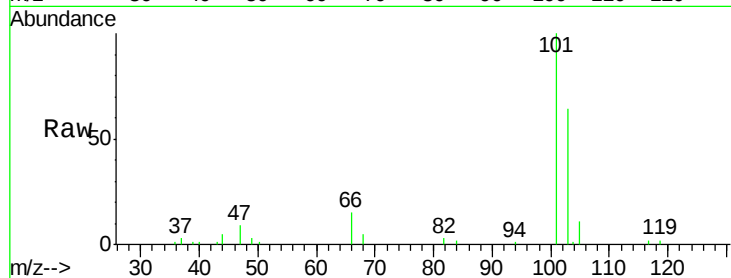


#7

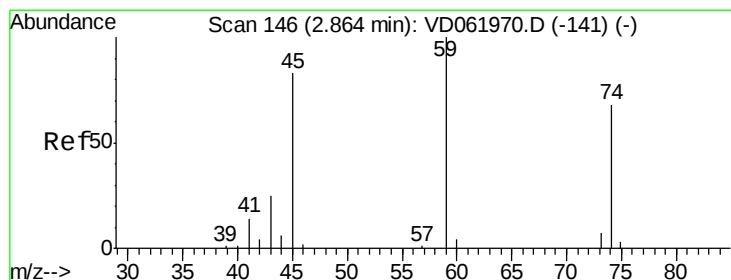
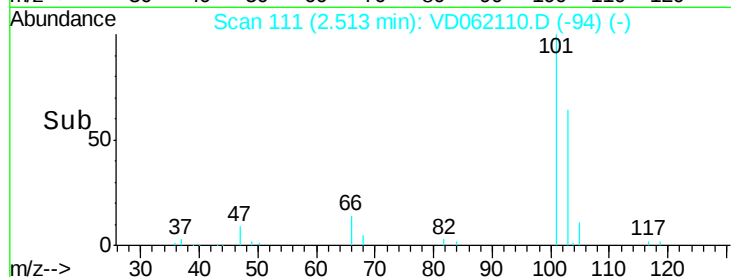
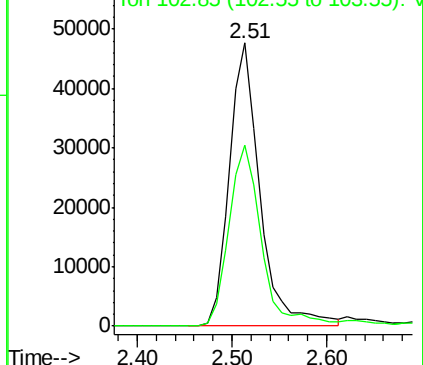
Trichlorofluoromethane
Concen: 17.921 ug/l
RT: 2.51 min Scan# 111
Delta R.T. -0.03 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

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Tot Ion:101 Resp: 107261
Ion Ratio Lower Upper
101 100
103 63.8 53.6 80.4



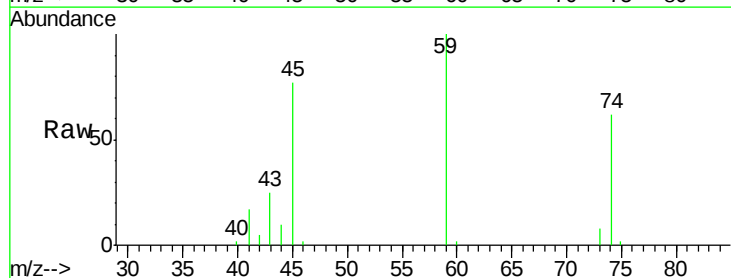
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



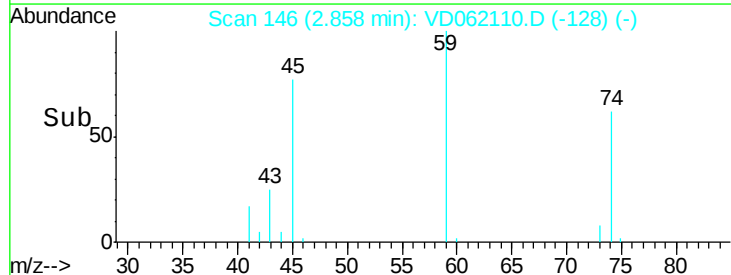
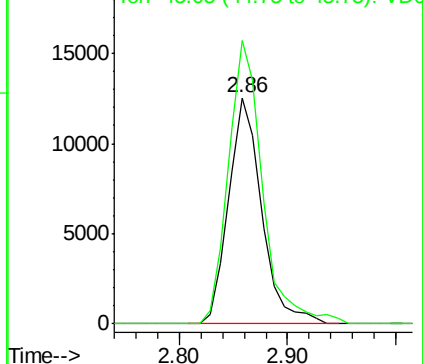
#8

Diethyl Ether
Concen: 16.634 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.02 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Tgt Ion: 74 Resp: 26683
Ion Ratio Lower Upper
74 100
45 125.2 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.557 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.03 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

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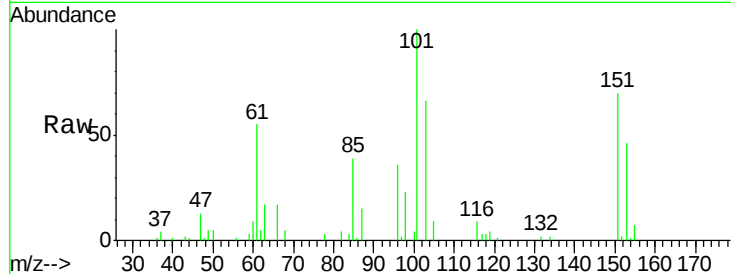
Tot Ion:101 Resp: 102309

Ion Ratio Lower Upper

101 100

85 39.4 32.4 48.6

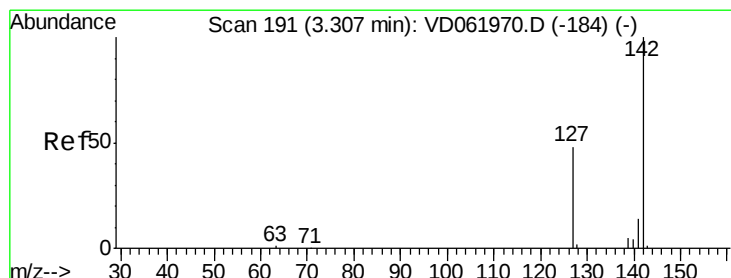
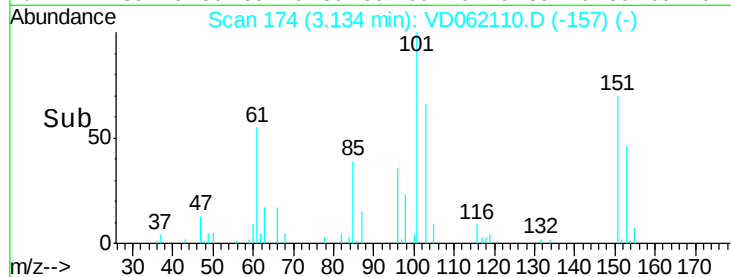
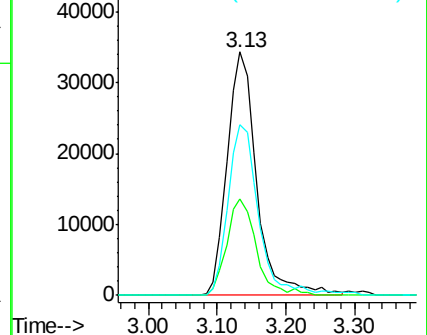
151 70.3 59.4 89.0



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: 15.849 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.03 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

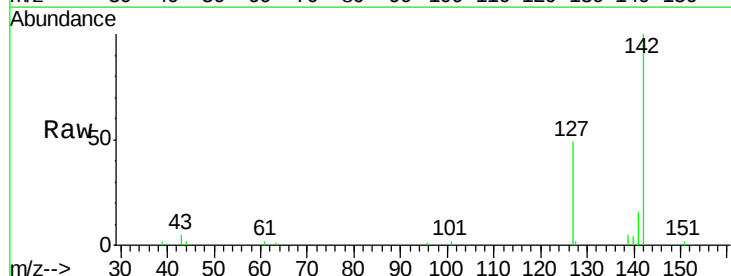
Tgt Ion:142 Resp: 98189

Ion Ratio Lower Upper

142 100

127 48.7 38.8 58.2

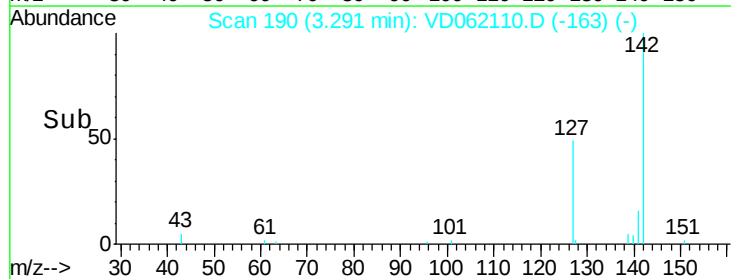
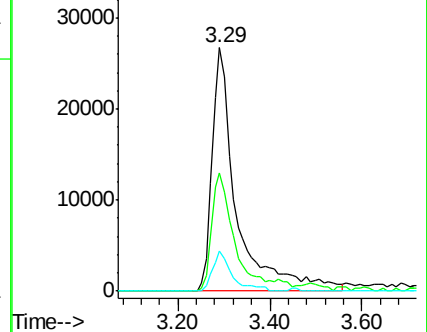
141 16.5 11.4 17.0

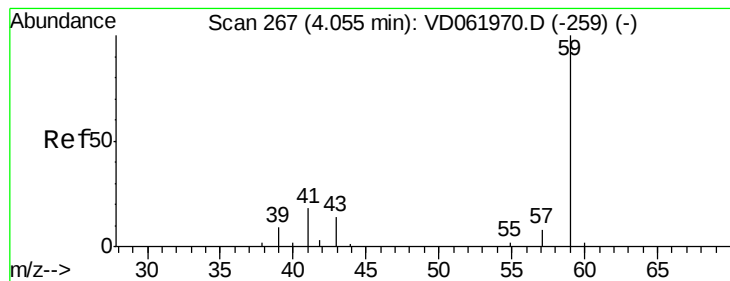


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



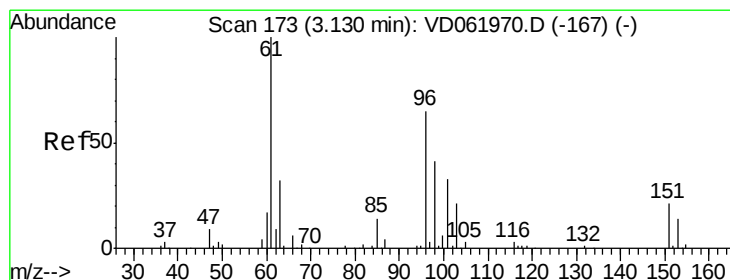
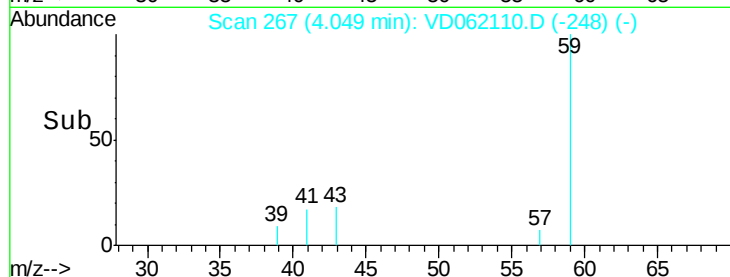
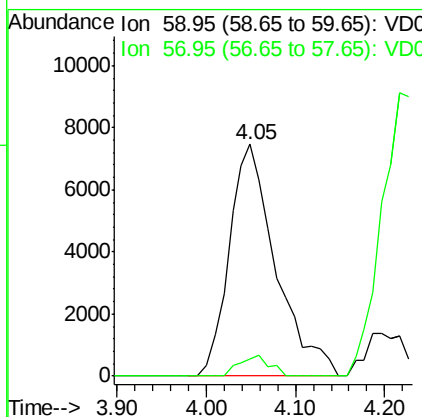
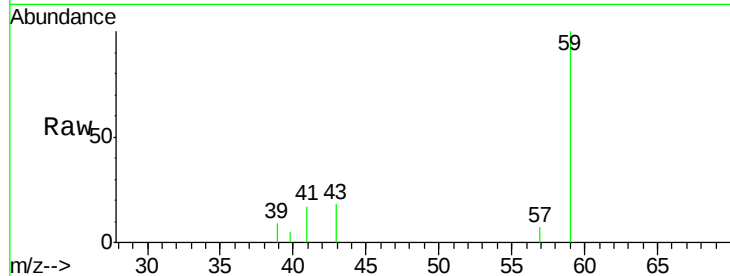


#11

Tert butyl alcohol
 Concen: 106.754 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. -0.01 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

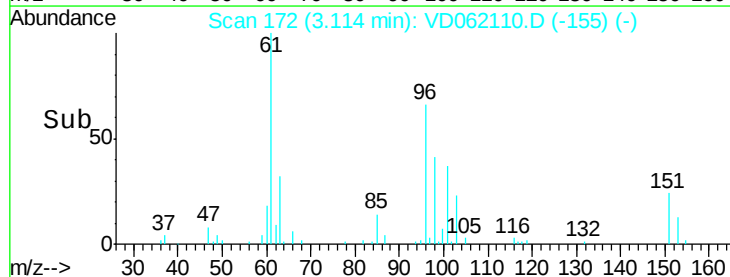
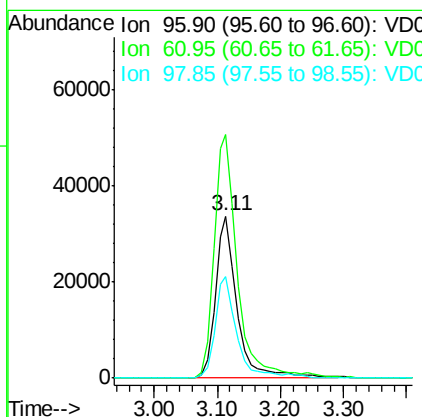
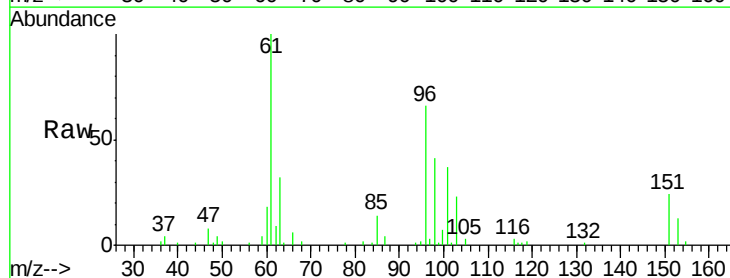
Tot Ion: 59 Resp: 27166
 Ion Ratio Lower Upper
 59 100
 57 7.4 6.9 10.3

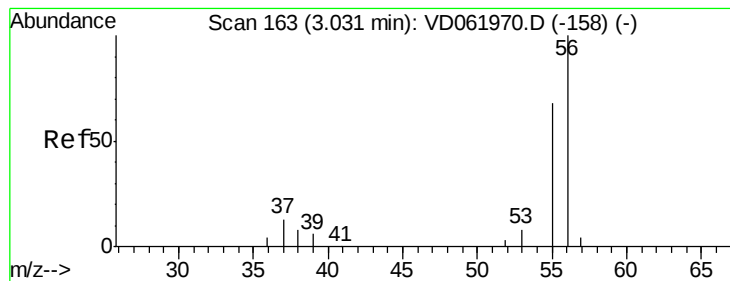


#12

1,1-Dichloroethene
 Concen: 17.359 ug/l
 RT: 3.11 min Scan# 172
 Delta R.T. -0.03 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Tgt Ion: 96 Resp: 81423
 Ion Ratio Lower Upper
 96 100
 61 150.5 129.8 194.8
 98 62.5 51.2 76.8





#13

Acrolein

Concen: 73.336 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

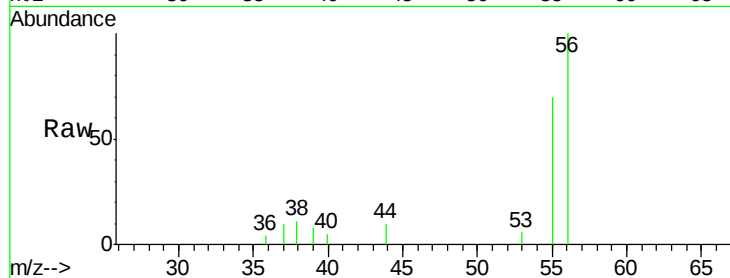
VD0502SBS01

Tot Ion: 56 Resp: 19363

Ion Ratio Lower Upper

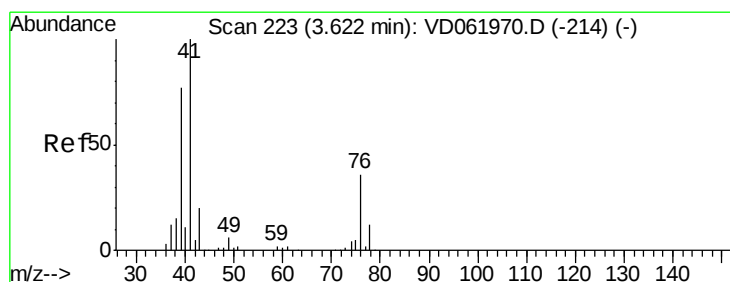
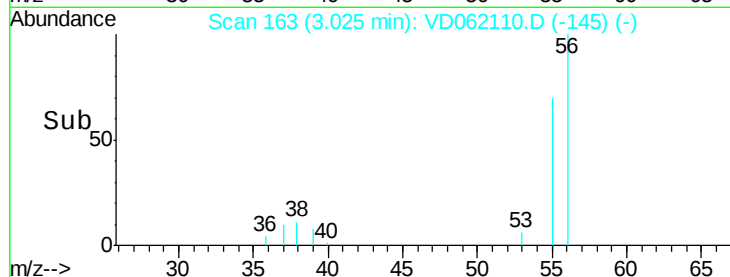
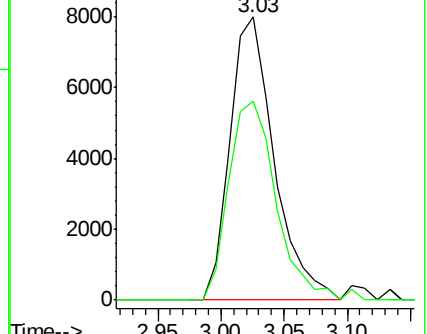
56 100

55 70.4 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: 17.714 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.03 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

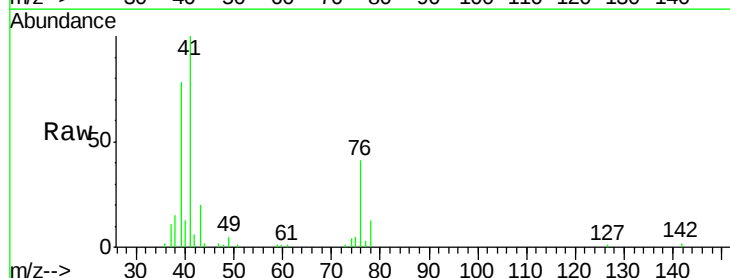
Tgt Ion: 41 Resp: 113461

Ion Ratio Lower Upper

41 100

39 77.7 60.5 90.7

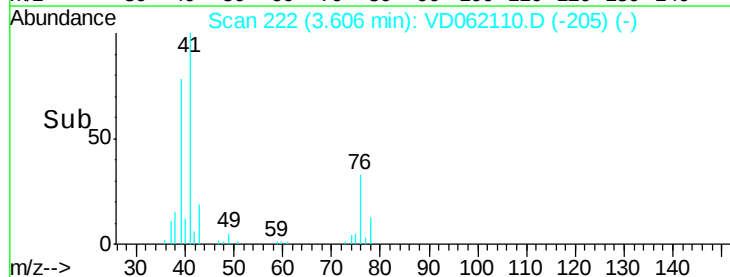
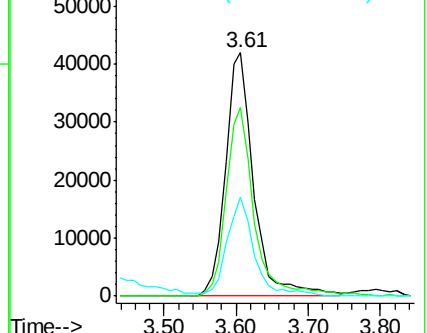
76 40.8 31.8 47.8

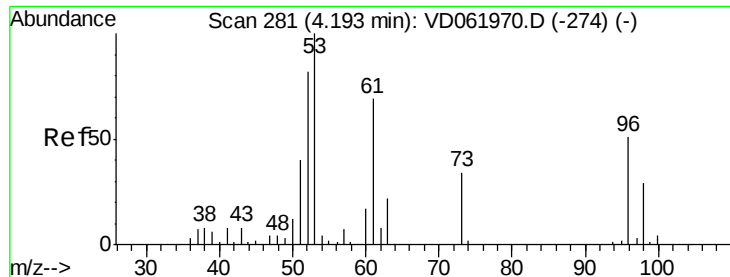


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 89.503 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS01

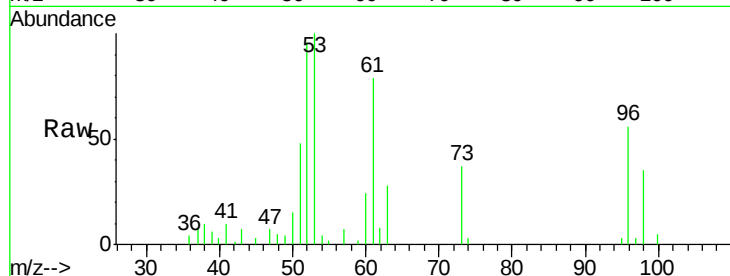
Tot Ion: 53 Resp: 70527

Ion Ratio Lower Upper

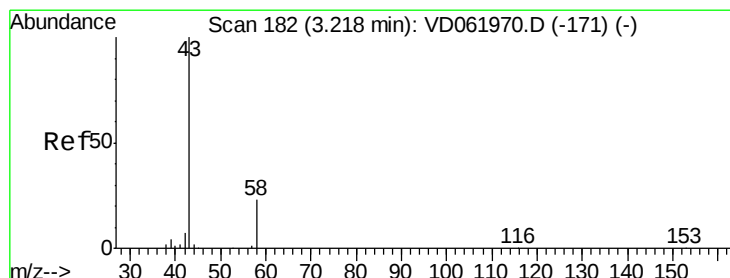
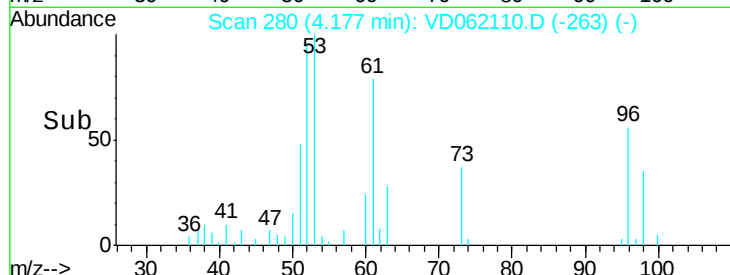
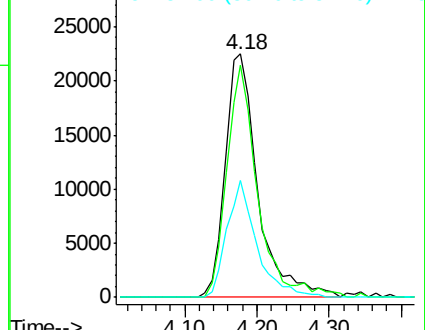
53 100

52 95.5 65.0 97.4

51 48.1 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: 97.421 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062110.D

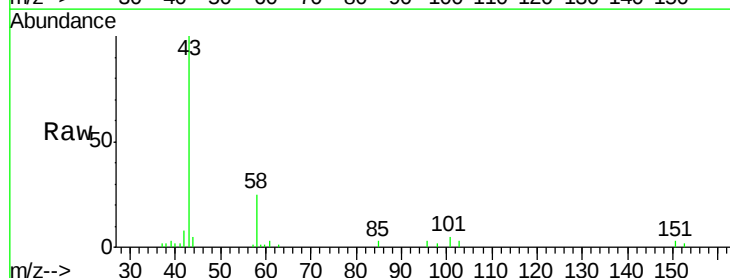
Acq: 2 May 2019 14:36

Tgt Ion: 43 Resp: 104766

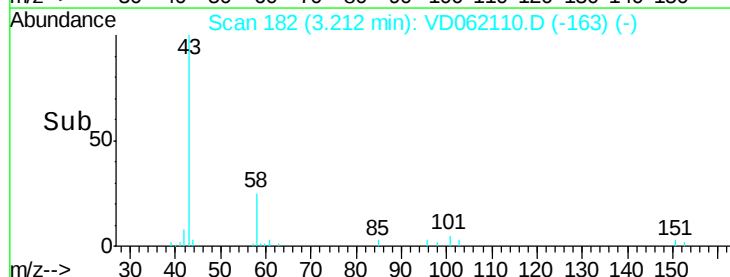
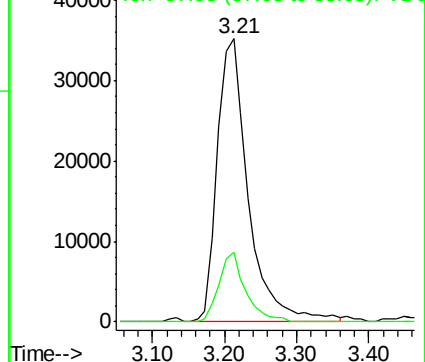
Ion Ratio Lower Upper

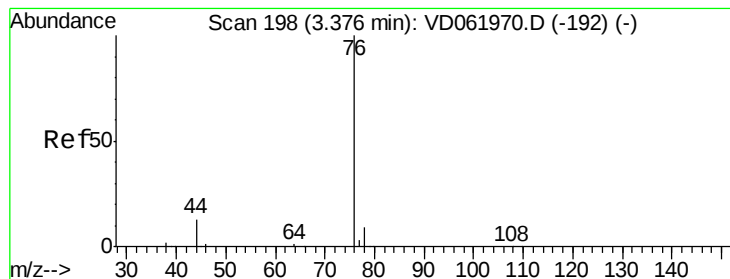
43 100

58 24.8 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: 15.555 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.03 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

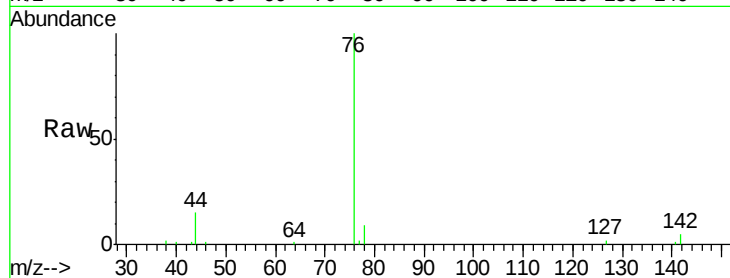
VD0502SBS01

Tot Ion: 76 Resp: 210843

Ion Ratio Lower Upper

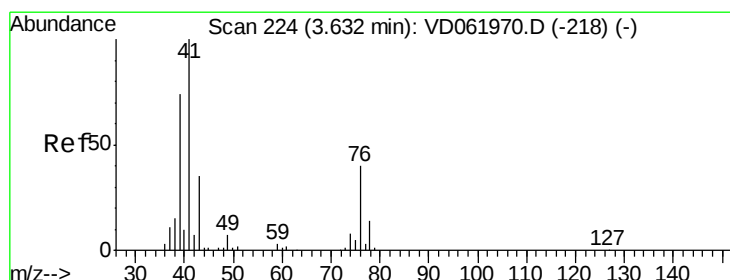
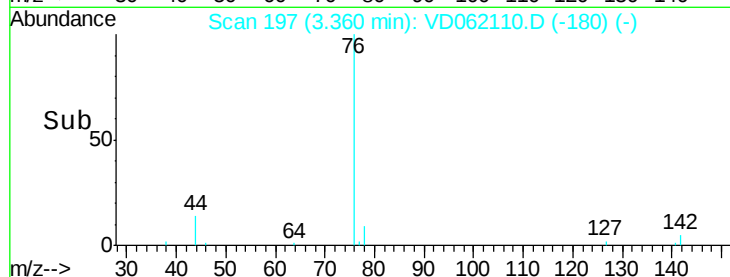
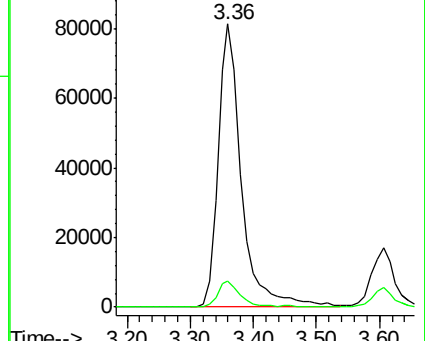
76 100

78 9.4 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: 21.231 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD062110.D

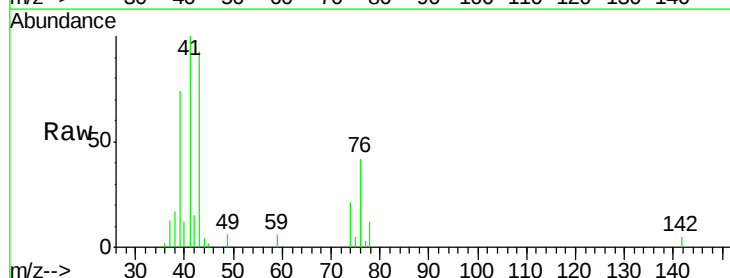
Acq: 2 May 2019 14:36

Tgt Ion: 43 Resp: 43834

Ion Ratio Lower Upper

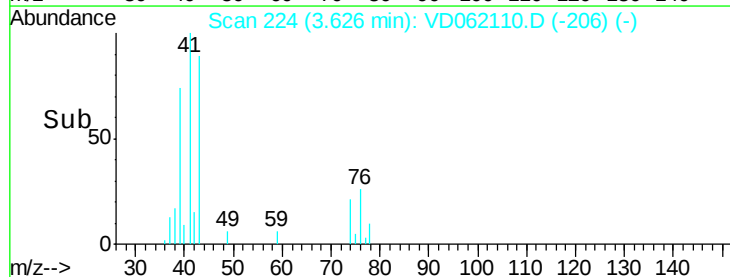
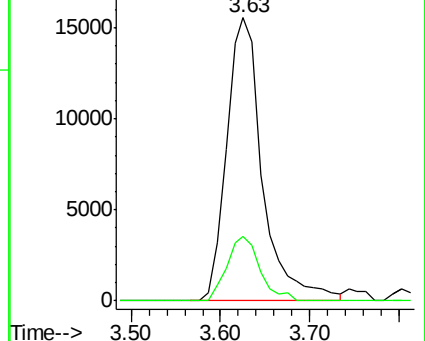
43 100

74 22.8 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

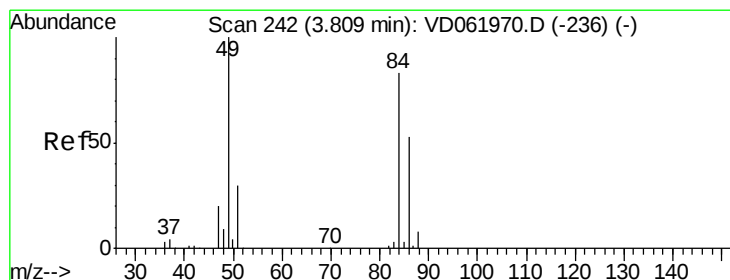
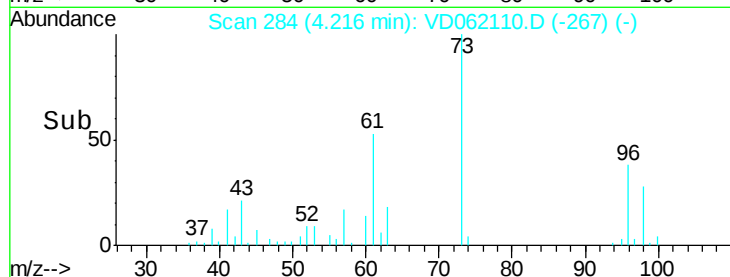
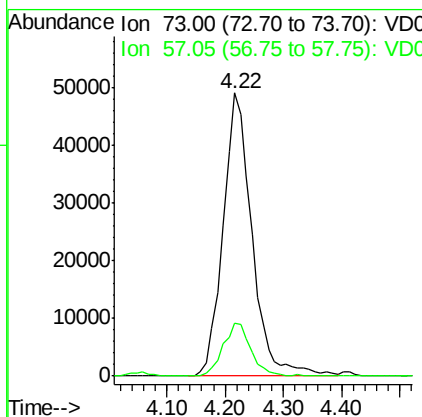
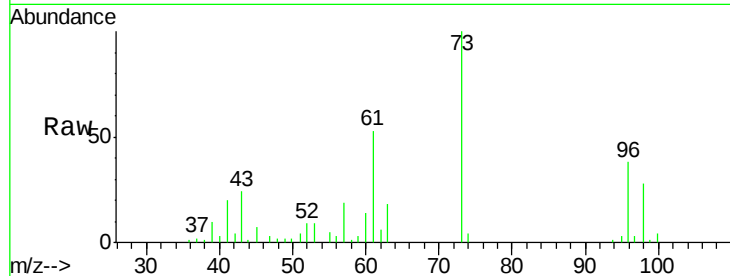




#19
Methyl tert-butyl Ether
Concen: 18.131 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

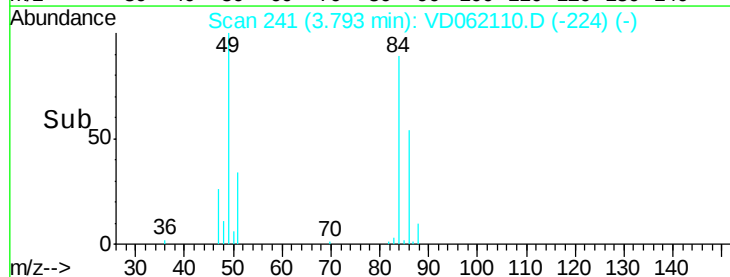
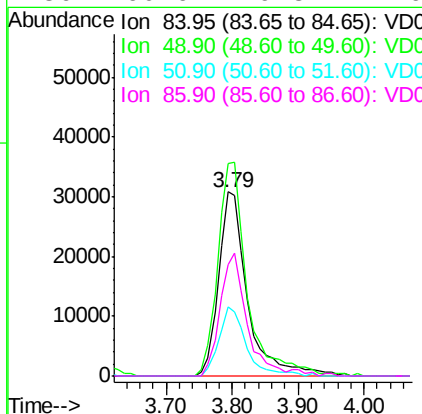
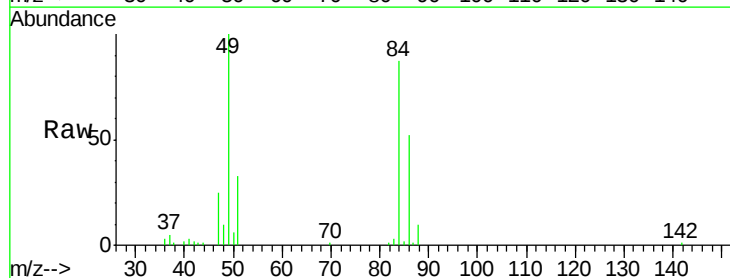
Instrument :
MSVOA_D
ClientSampleID :
VD0502SBS01

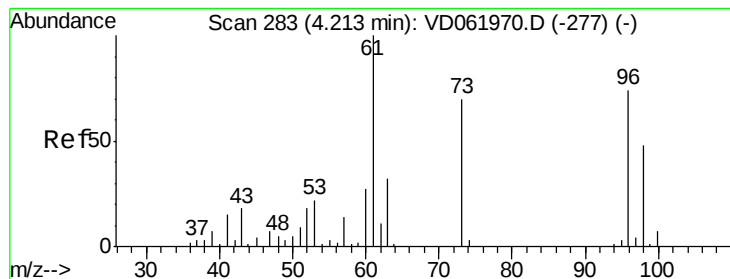
Tot Ion: 73 Resp: 168740
Ion Ratio Lower Upper
73 100
57 18.6 16.3 24.5



#20
Methylene Chloride
Concen: 15.823 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Tgt Ion: 84 Resp: 94248
Ion Ratio Lower Upper
84 100
49 115.4 94.0 141.0
51 37.7 29.0 43.4
86 60.6 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 15.482 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS01

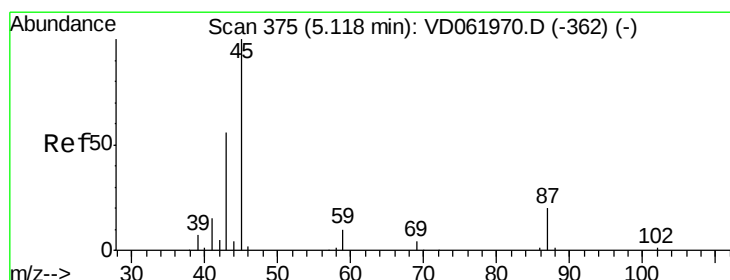
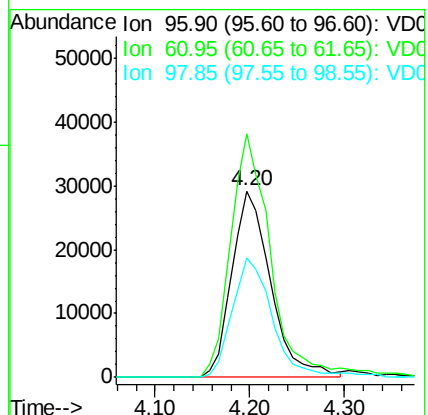
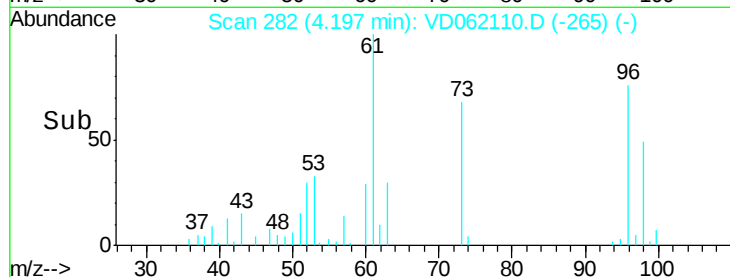
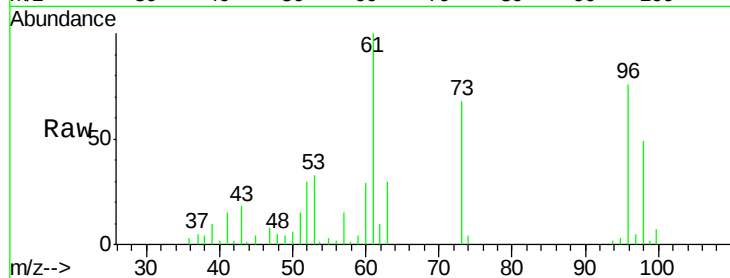
Tot Ion: 96 Resp: 83308

Ion Ratio Lower Upper

96 100

61 130.9 104.4 156.6

98 64.2 51.8 77.8



#22

Diisopropyl ether

Concen: 17.463 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.03 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Tgt Ion: 45 Resp: 261136

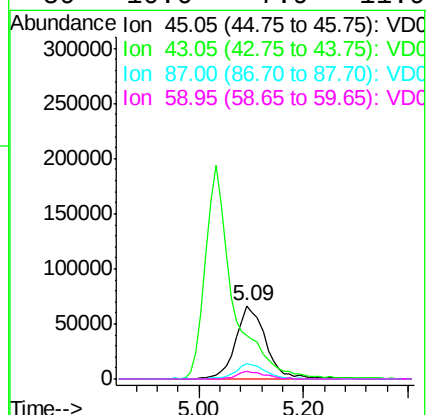
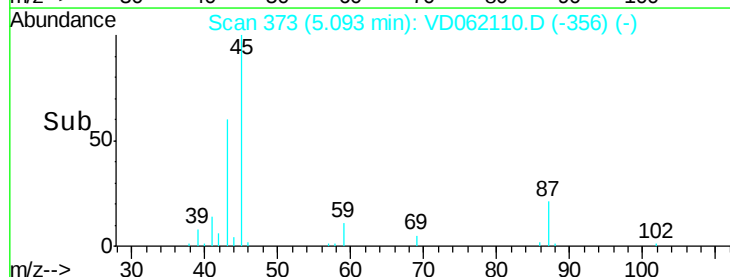
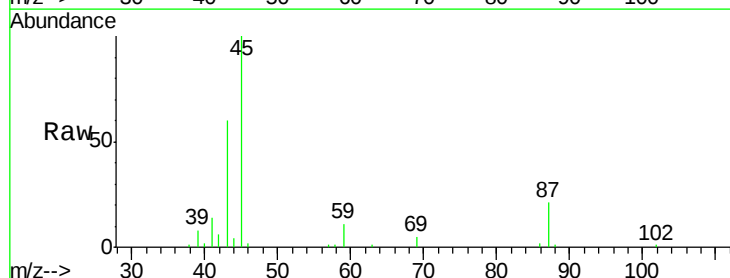
Ion Ratio Lower Upper

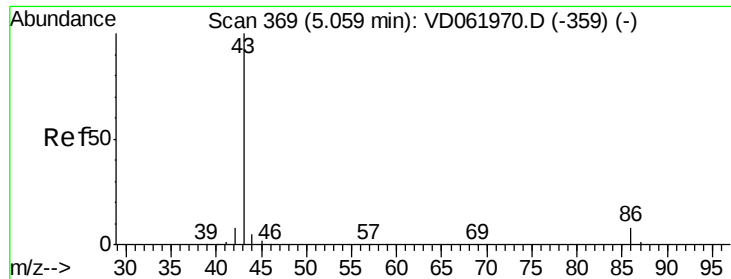
45 100

43 60.3 46.2 69.2

87 20.5 15.9 23.9

59 10.6 7.9 11.9





#23

Vinyl Acetate

Concen: 91.133 ug/l

RT: 5.03 min Scan# 367

Delta R.T. -0.03 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

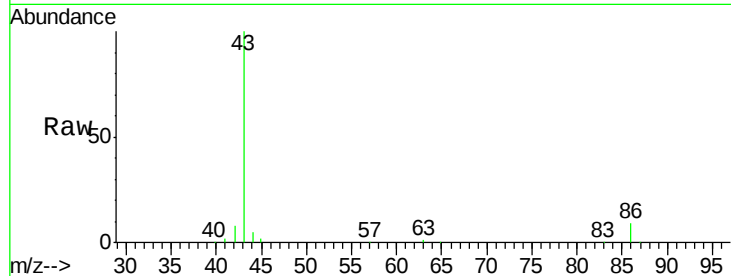
VD0502SBS01

Tot Ion: 43 Resp: 709705

Ion Ratio Lower Upper

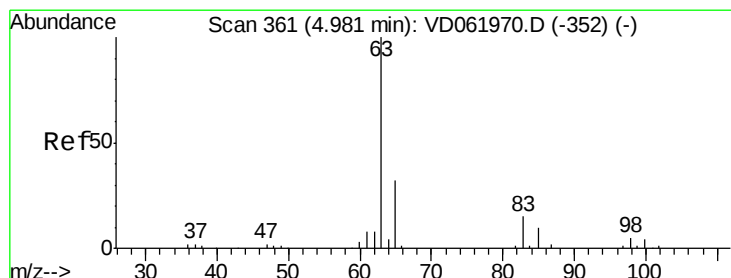
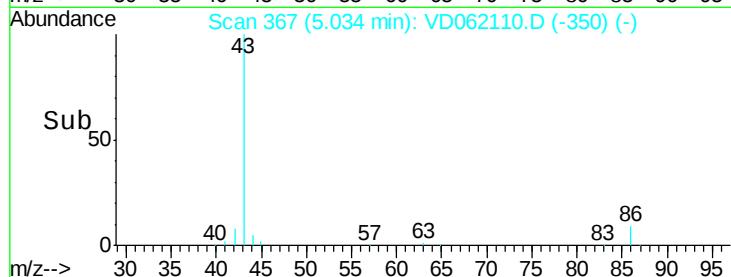
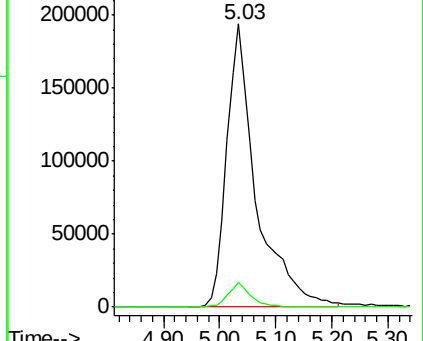
43 100

86 8.6 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 17.439 ug/l

RT: 4.96 min Scan# 360

Delta R.T. -0.03 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

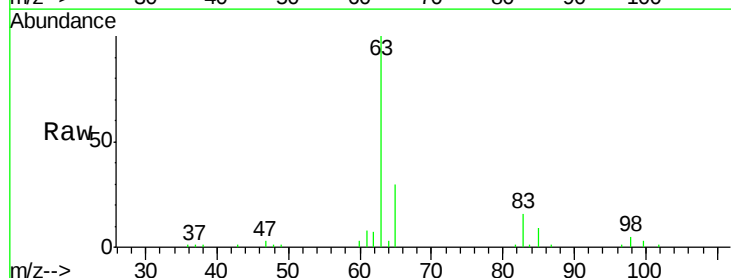
Tgt Ion: 63 Resp: 157625

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

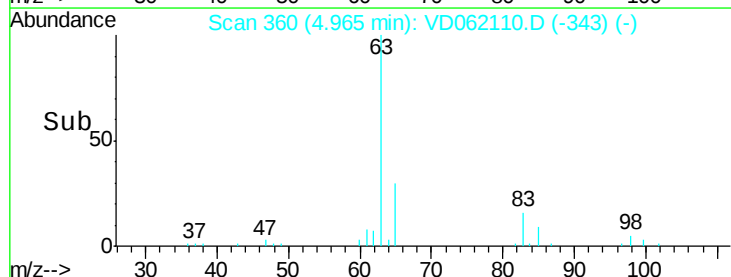
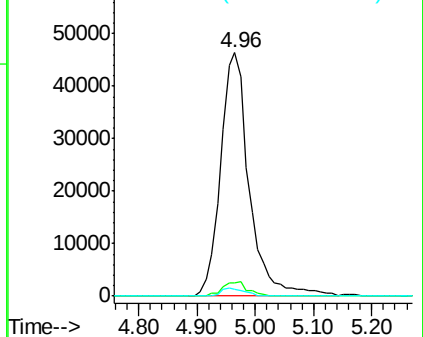
100 3.0 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

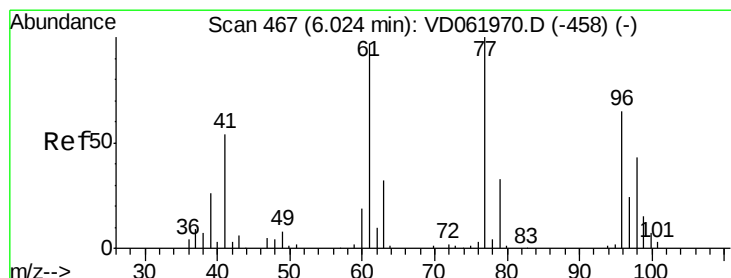
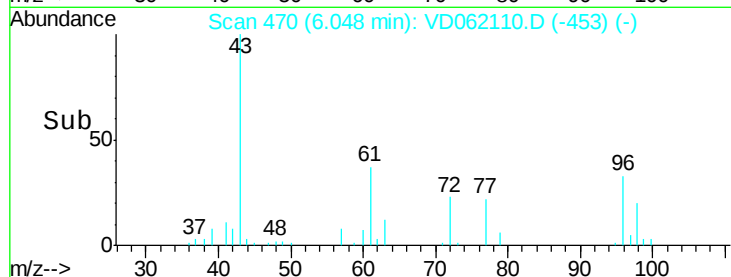
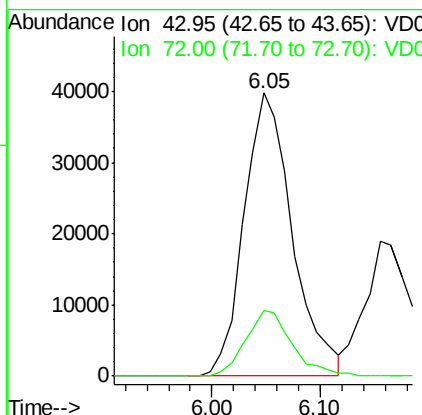
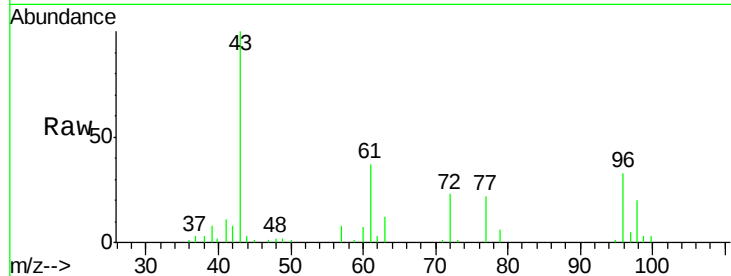




#25
2-Butanone
Concen: 94.976 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.03 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

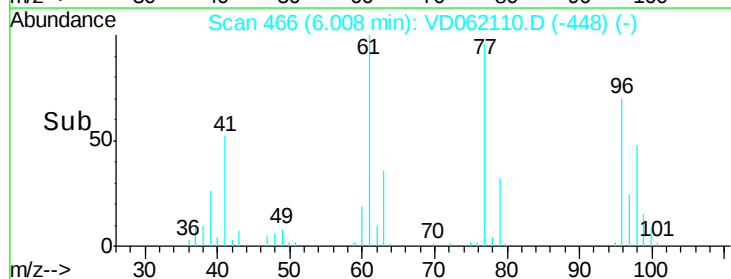
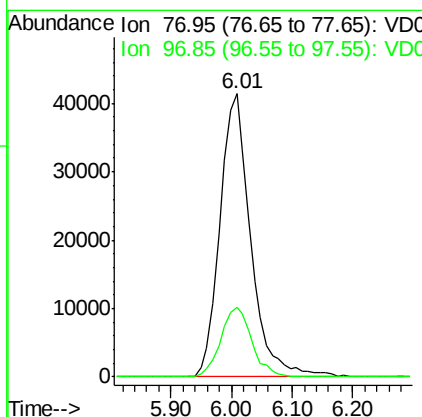
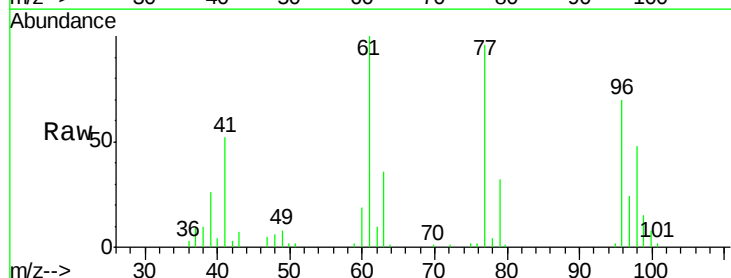
Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS01

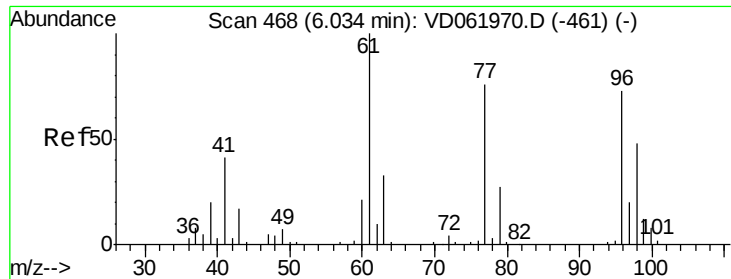
Tot Ion: 43 Resp: 123833
Ion Ratio Lower Upper
43 100
72 23.4 16.2 24.4



#26
2,2-Dichloropropane
Concen: 18.479 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.02 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Tgt Ion: 77 Resp: 145709
Ion Ratio Lower Upper
77 100
97 24.6 11.9 35.9



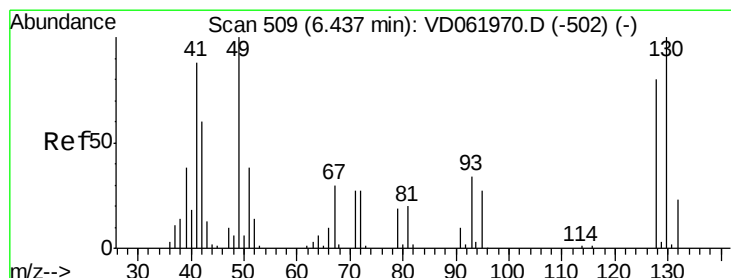
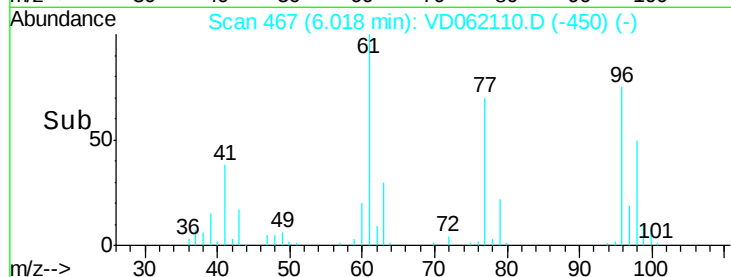
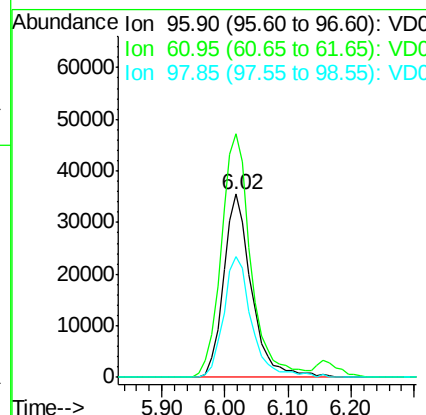
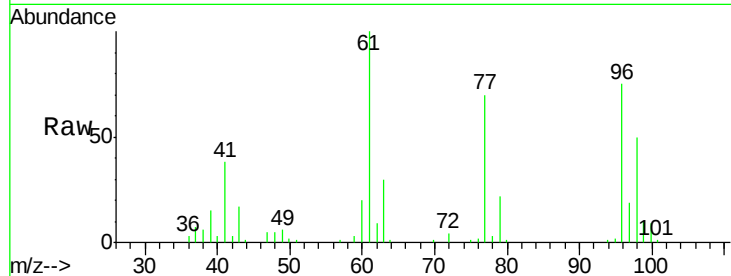


#27

cis-1,2-Dichloroethene
Concen: 17.823 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS01

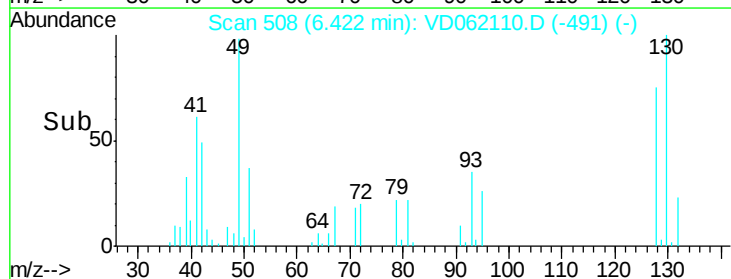
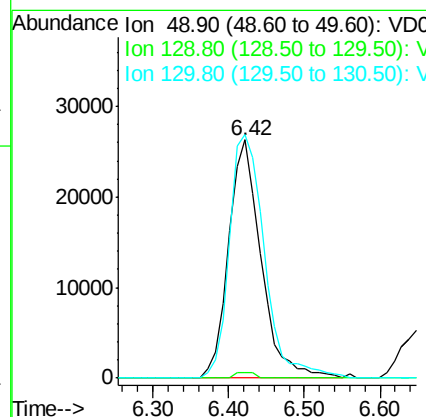
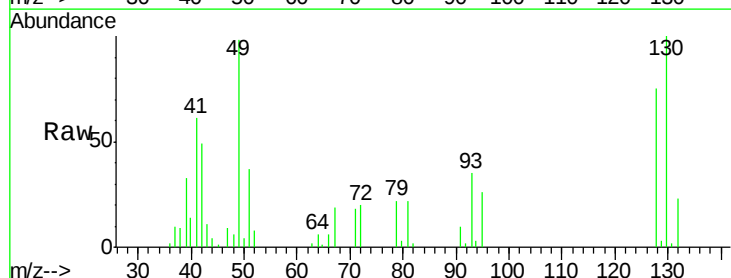
Tot Ion: 96 Resp: 109106
Ion Ratio Lower Upper
96 100
61 132.9 0.0 279.8
98 66.0 0.0 136.0



#28

Bromochloromethane
Concen: 22.618 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Tgt Ion: 49 Resp: 78220
Ion Ratio Lower Upper
49 100
129 2.6 0.0 6.6
130 102.2 86.7 130.1





#29

Tetrahydrofuran

Concen: 97.641 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS01

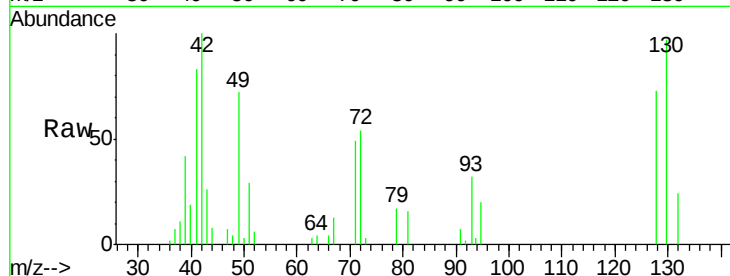
Tot Ion: 42 Resp: 62728

Ion Ratio Lower Upper

42 100

72 47.6 37.8 56.6

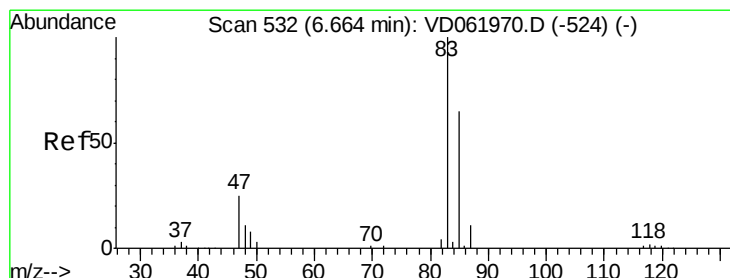
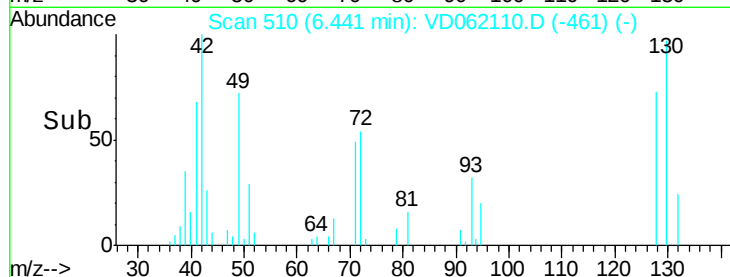
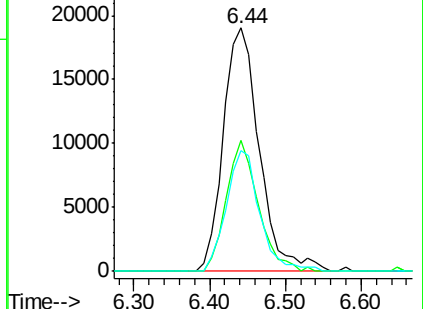
71 45.9 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 18.646 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.03 min

Lab File: VD062110.D

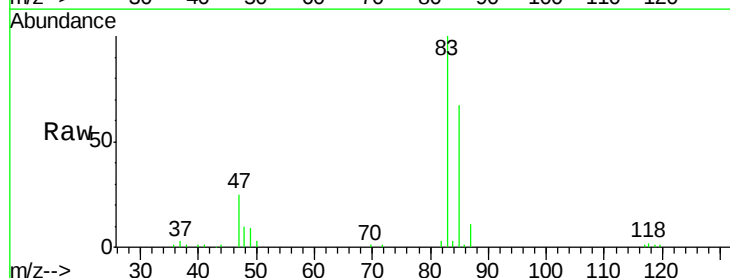
Acq: 2 May 2019 14:36

Tgt Ion: 83 Resp: 191417

Ion Ratio Lower Upper

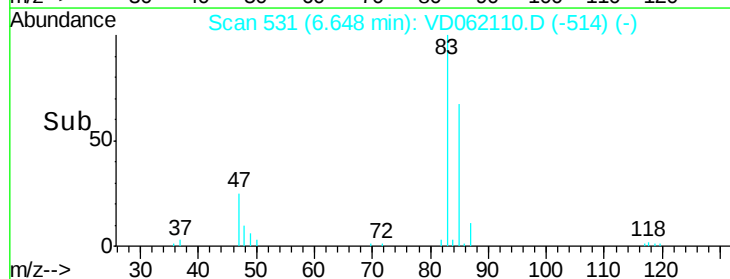
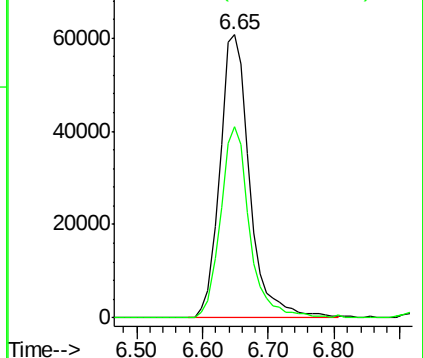
83 100

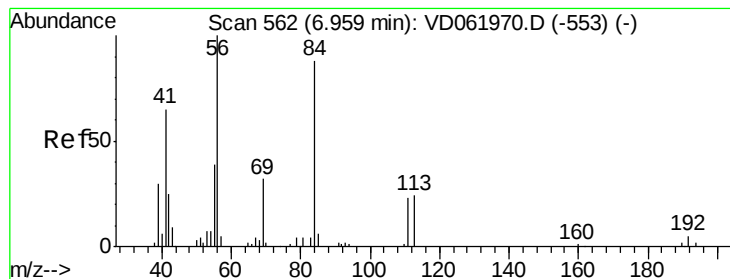
85 67.4 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 16.867 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.03 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS01

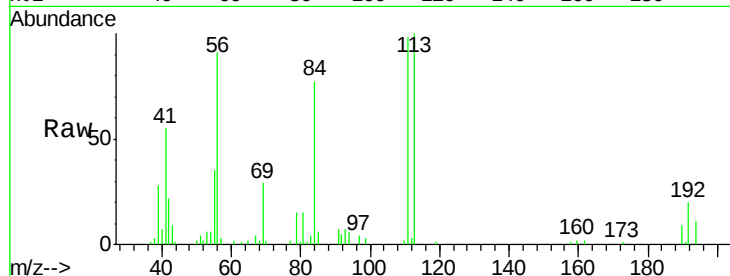
Tot Ion: 56 Resp: 113155

Ion Ratio Lower Upper

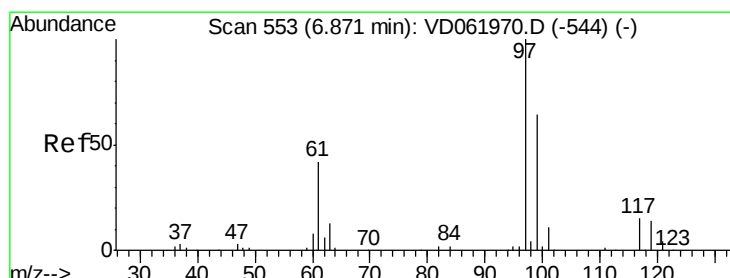
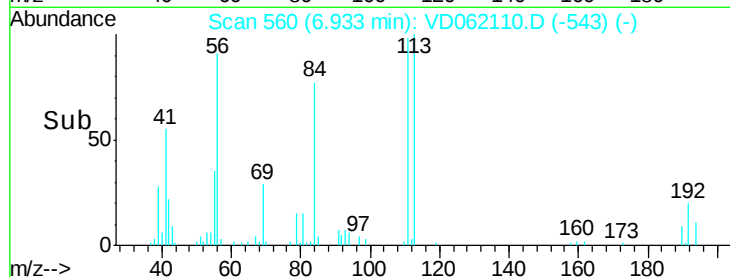
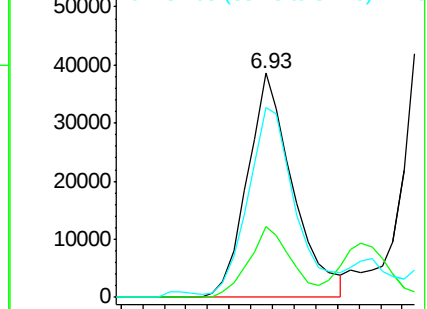
56 100

69 31.7 25.8 38.6

84 84.8 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: 18.818 ug/l

RT: 6.85 min Scan# 552

Delta R.T. -0.02 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

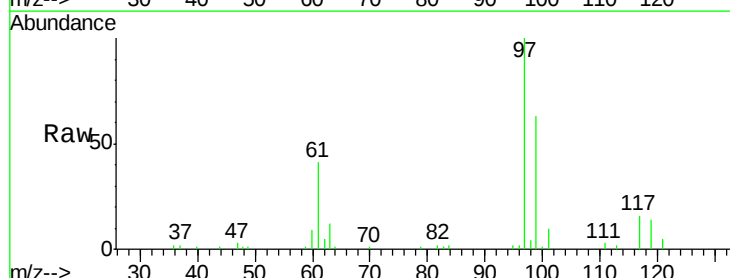
Tgt Ion: 97 Resp: 168084

Ion Ratio Lower Upper

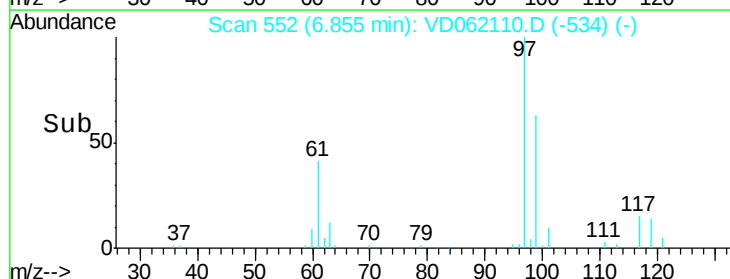
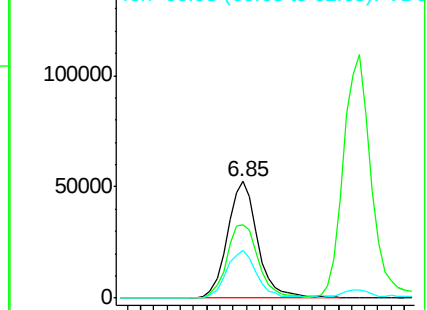
97 100

99 62.9 52.2 78.2

61 41.1 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: 50.187 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

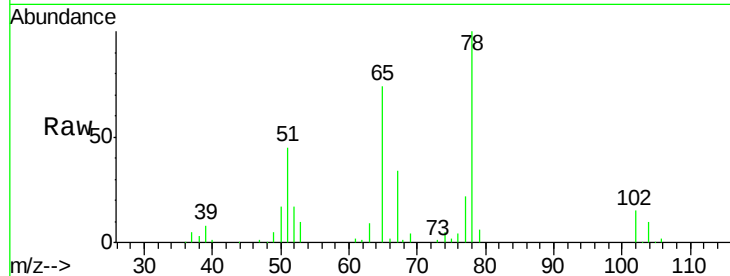
VD0502SBS01

Tot Ion: 65 Resp: 226040

Ion Ratio Lower Upper

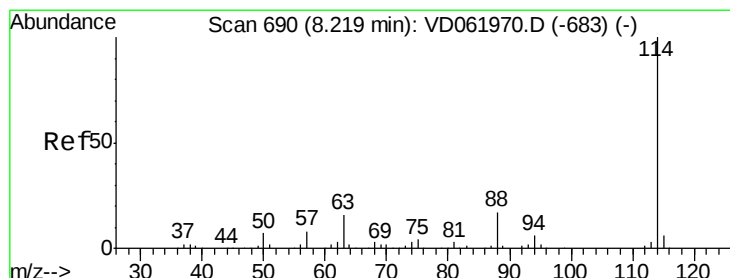
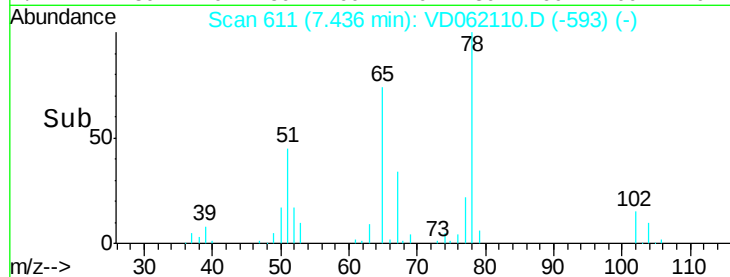
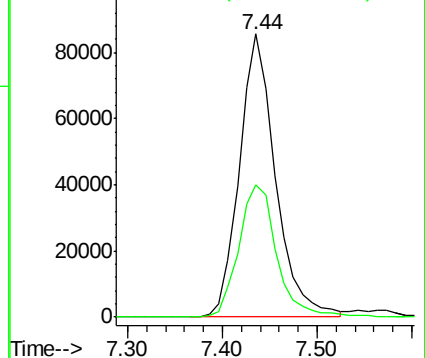
65 100

67 46.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

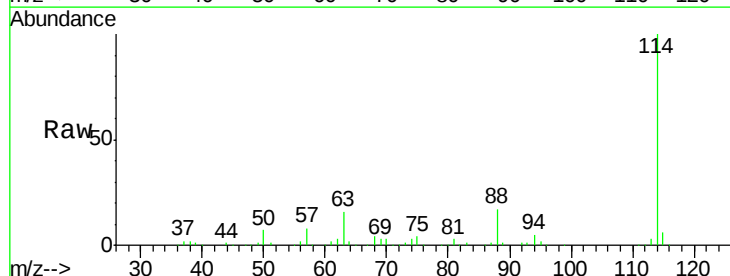
Tgt Ion: 114 Resp: 905661

Ion Ratio Lower Upper

114 100

63 16.4 0.0 32.4

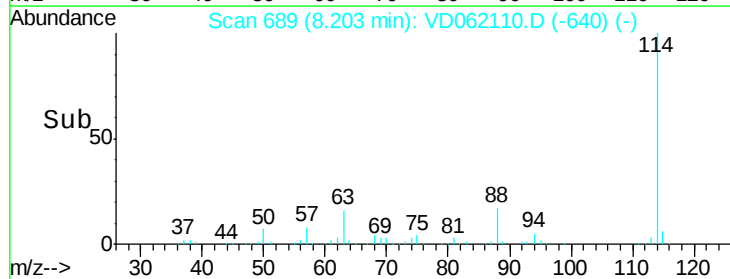
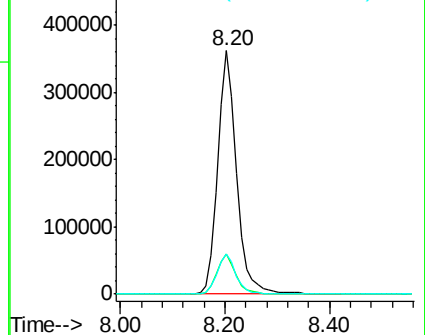
88 16.6 0.0 33.6

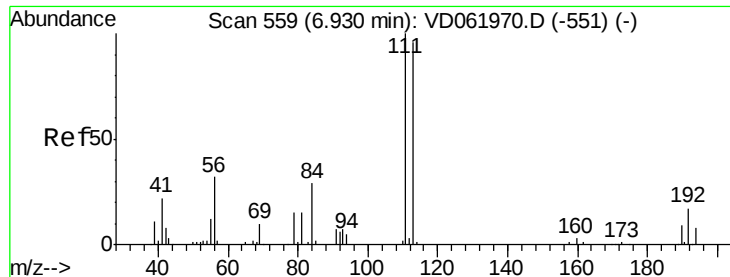


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 51.586 ug/l

RT: 6.90 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS01

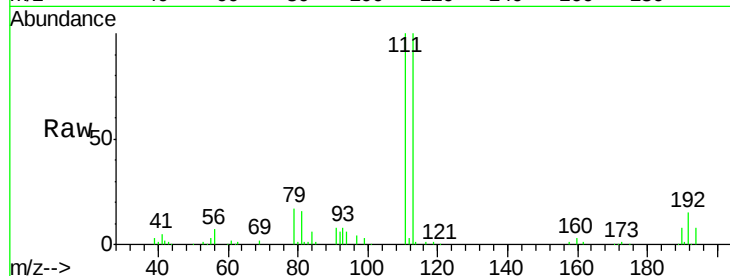
Tot Ion:113 Resp: 323110

Ion Ratio Lower Upper

113 100

111 99.8 78.5 117.7

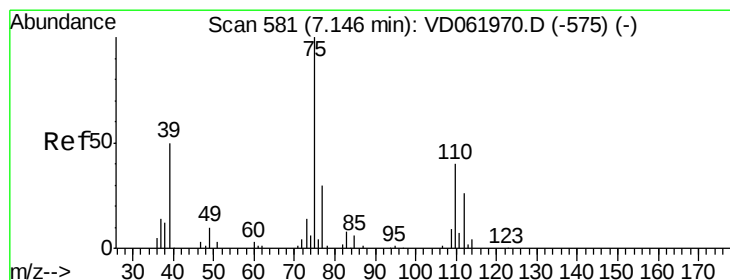
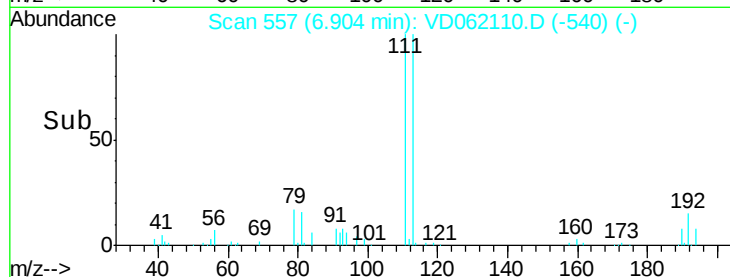
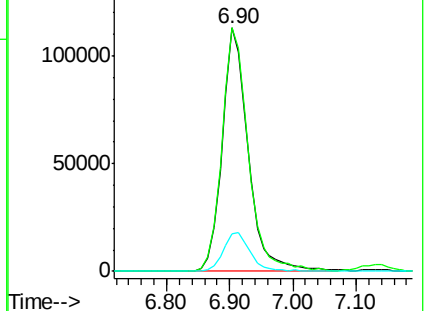
192 15.3 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.690 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

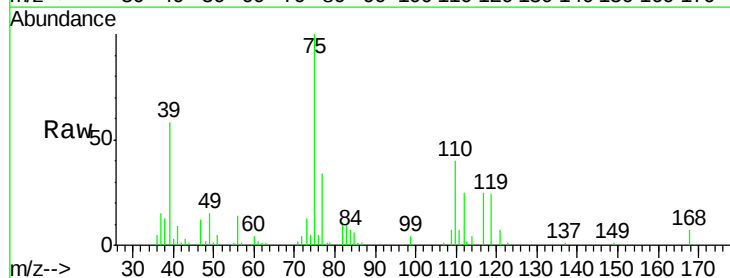
Tgt Ion: 75 Resp: 138932

Ion Ratio Lower Upper

75 100

110 39.9 19.1 57.1

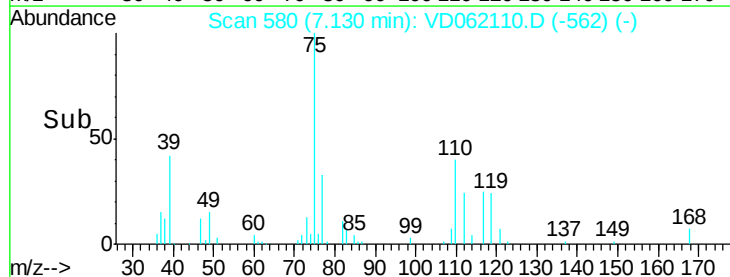
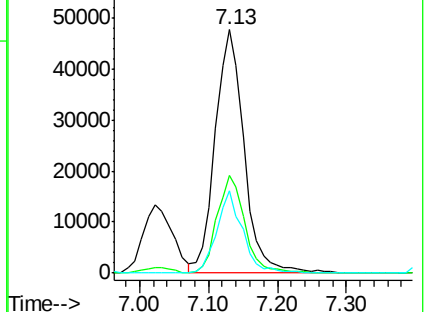
77 33.7 25.6 38.4

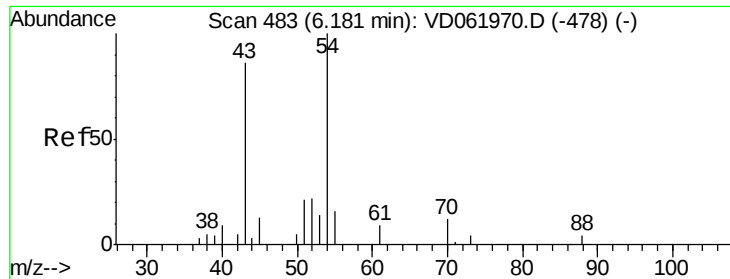


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

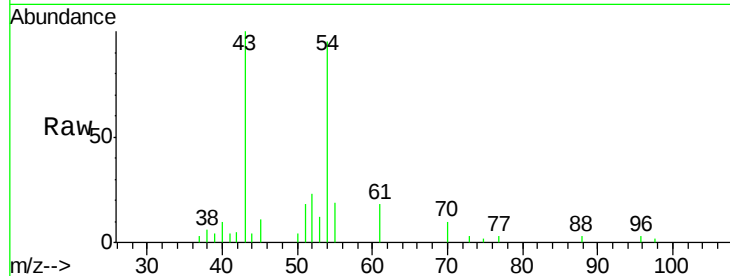




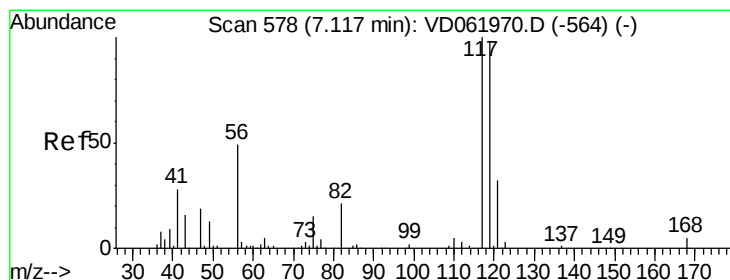
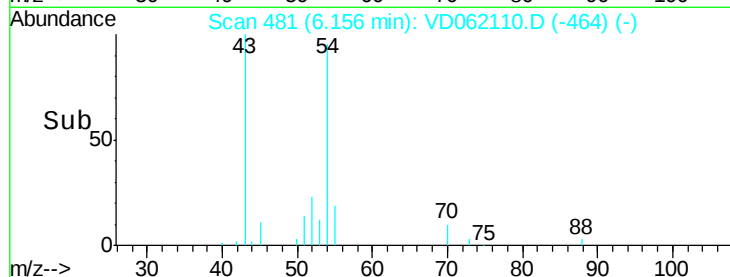
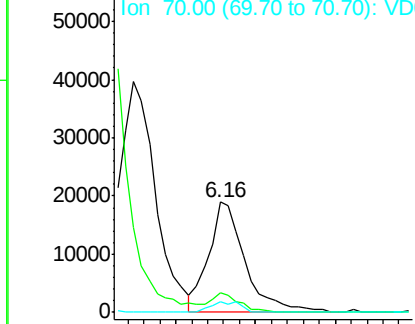
#37
Ethyl Acetate
Concen: 20.232 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS01

Tot Ion: 43 Resp: 60835
Ion Ratio Lower Upper
43 100
61 17.6 14.7 22.1
70 10.2 7.8 11.6

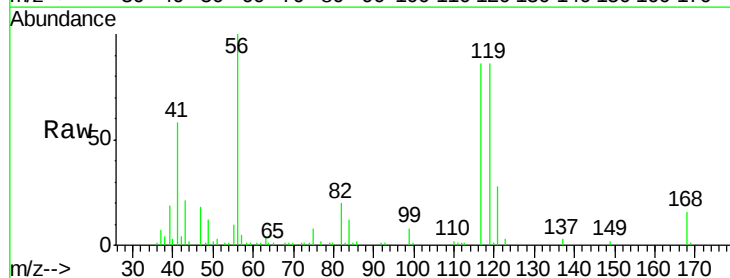


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

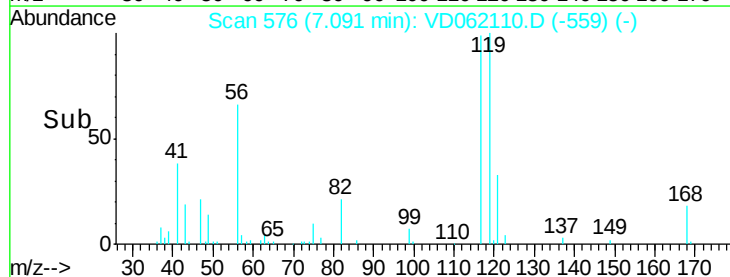
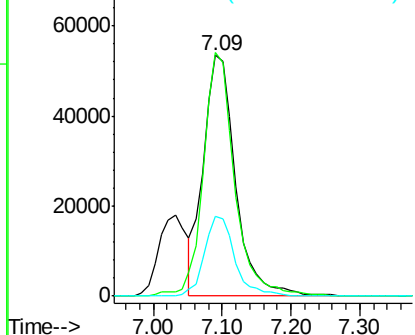


#38
Carbon Tetrachloride
Concen: 19.452 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Tgt Ion: 117 Resp: 173920
Ion Ratio Lower Upper
117 100
119 101.0 75.8 113.8
121 33.0 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 18.310 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.02 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS01

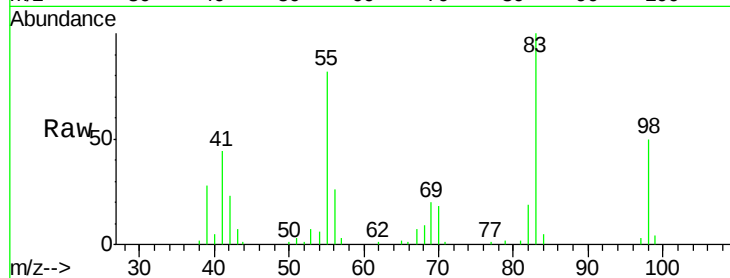
Tot Ion: 83 Resp: 127468

Ion Ratio Lower Upper

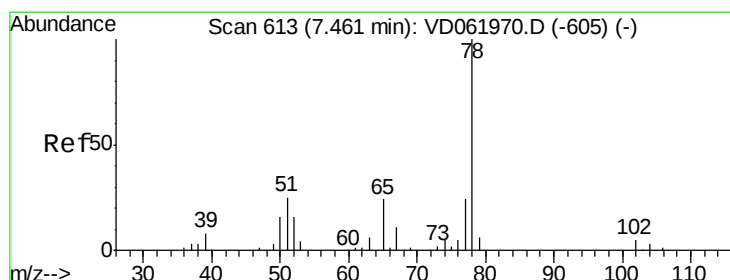
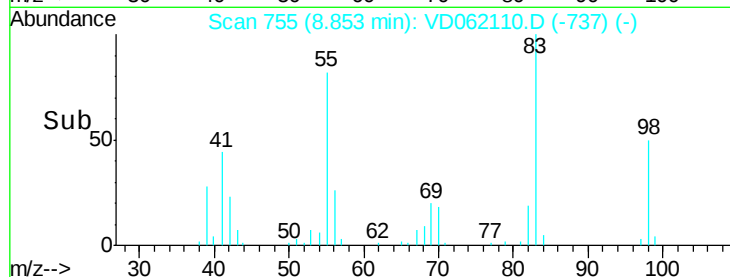
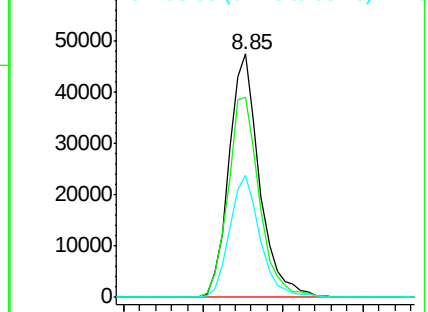
83 100

55 82.4 68.2 102.4

98 50.2 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: 18.411 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD062110.D

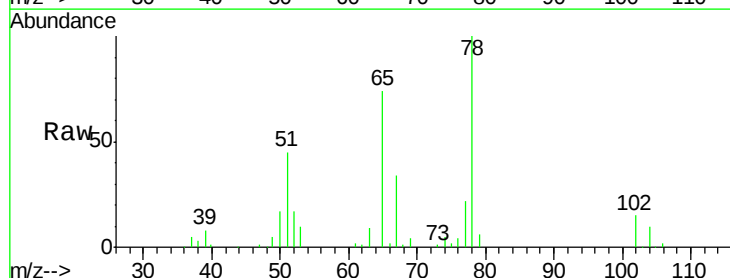
Acq: 2 May 2019 14:36

Tgt Ion: 78 Resp: 321611

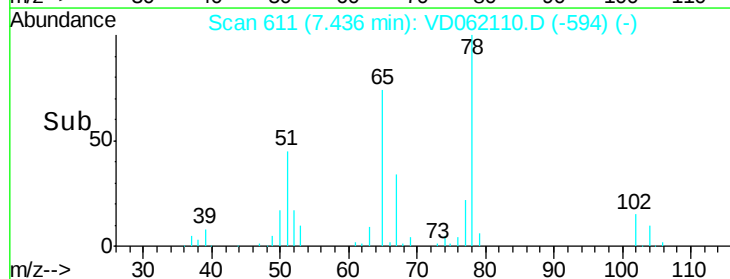
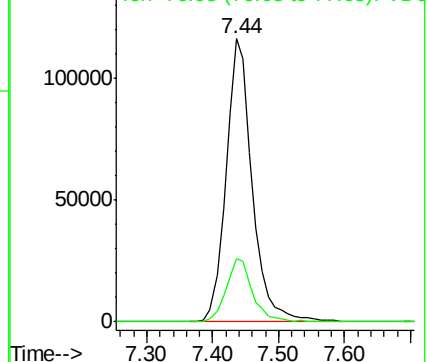
Ion Ratio Lower Upper

78 100

77 22.1 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: 20.464 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

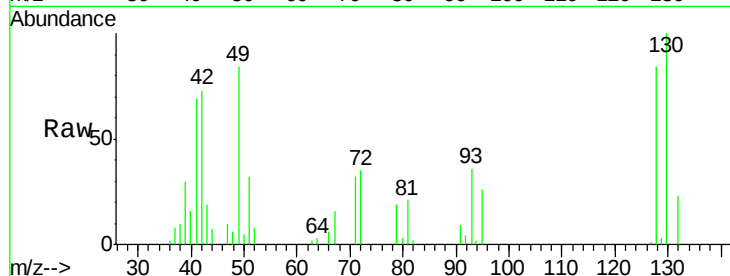
ClientSampleId :

VD0502SBS01

Tot Ion: 41 Resp: 71794

Ion Ratio Lower Upper

41	100		
39	43.4	34.1	51.1
67	23.6	23.8	35.6
52	11.2	8.8	13.2



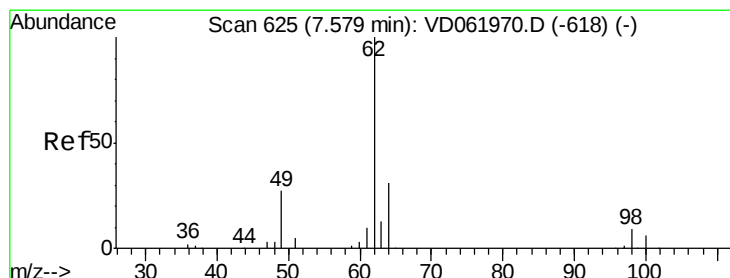
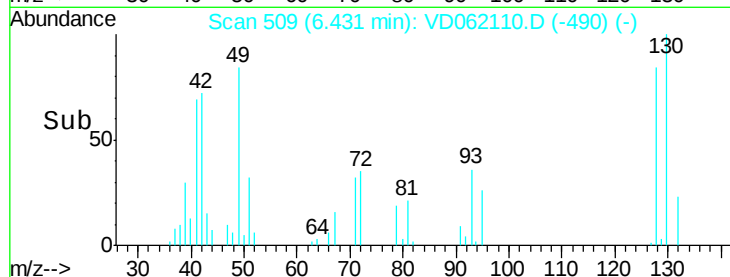
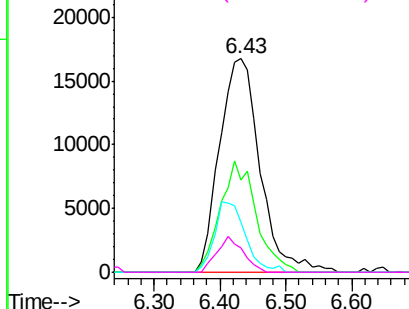
Abundance

Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.558 ug/l

RT: 7.56 min Scan# 624

Delta R.T. -0.02 min

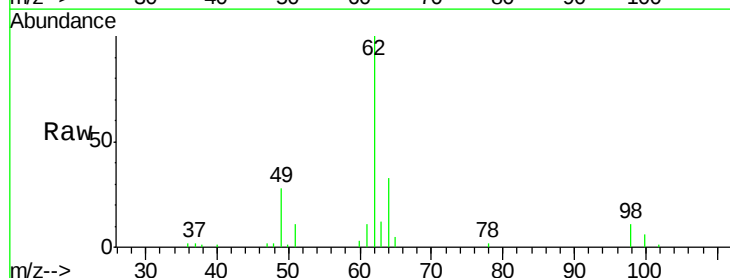
Lab File: VD062110.D

Acq: 2 May 2019 14:36

Tgt Ion: 62 Resp: 116001

Ion Ratio Lower Upper

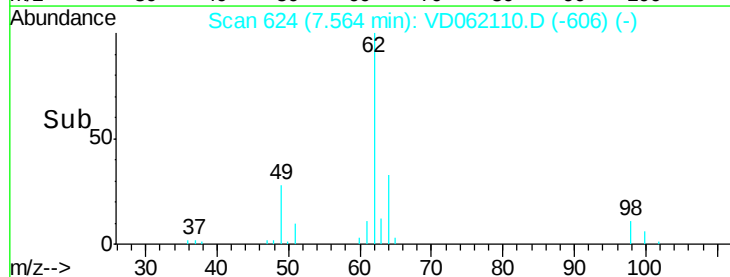
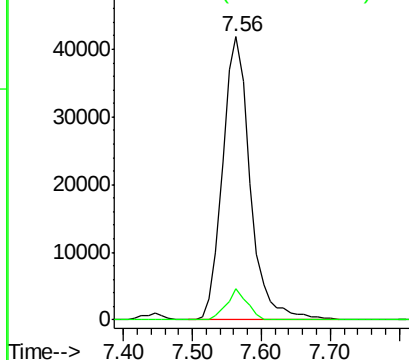
62	100		
98	11.0	0.0	17.8

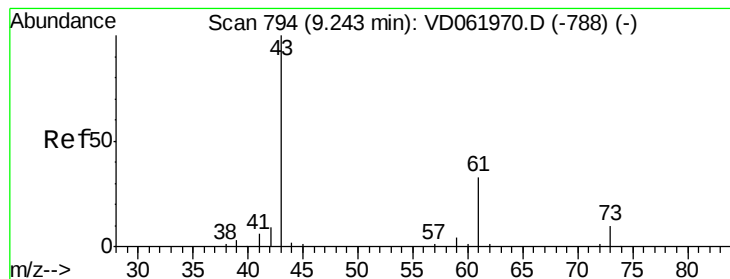


Abundance

Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



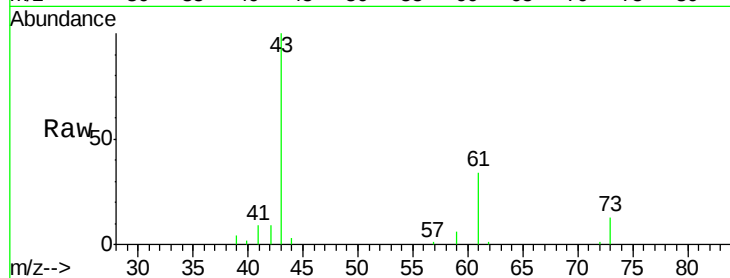


#43

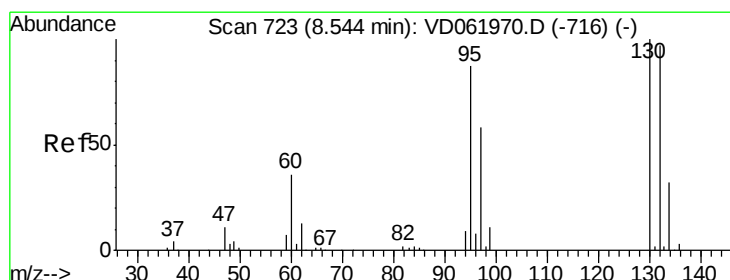
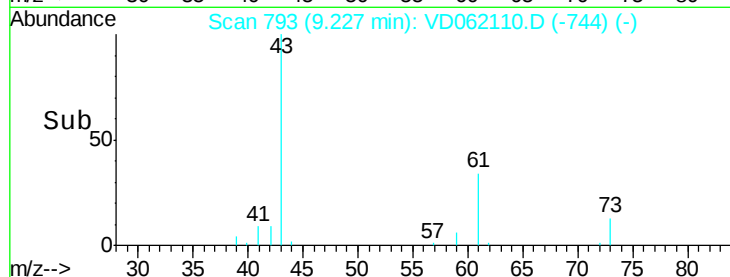
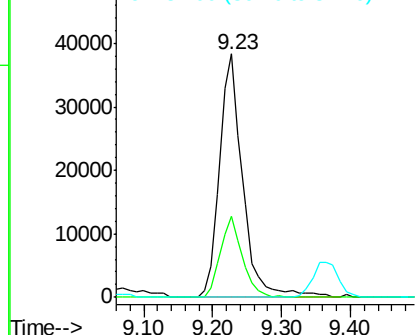
Isopropyl Acetate
 Concen: 20.347 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

Tot Ion: 43 Resp: 89393
 Ion Ratio Lower Upper
 43 100
 61 33.5 25.1 37.7
 87 0.0 0.0 0.0



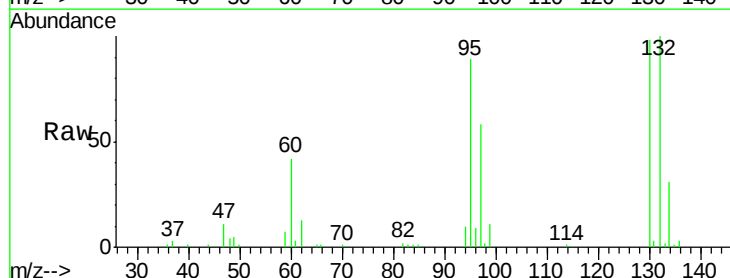
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



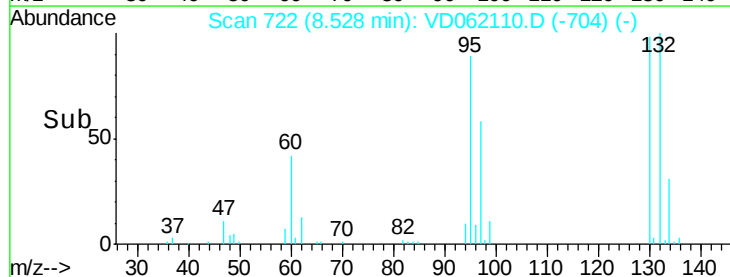
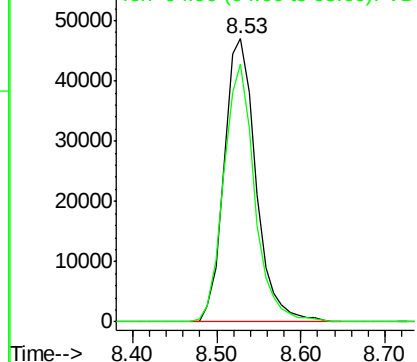
#44

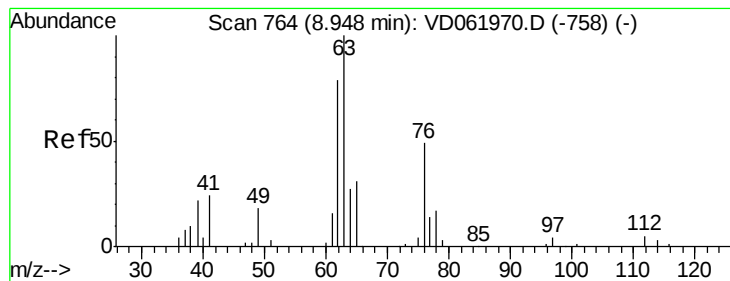
Trichloroethene
 Concen: 18.223 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.02 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Tgt Ion: 130 Resp: 123409
 Ion Ratio Lower Upper
 130 100
 95 91.1 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 18.704 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

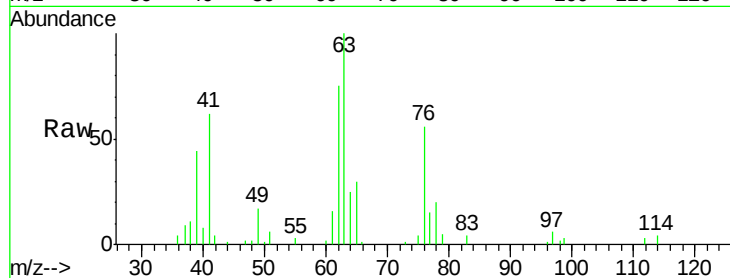
VD0502SBS01

Tot Ion: 63 Resp: 82888

Ion Ratio Lower Upper

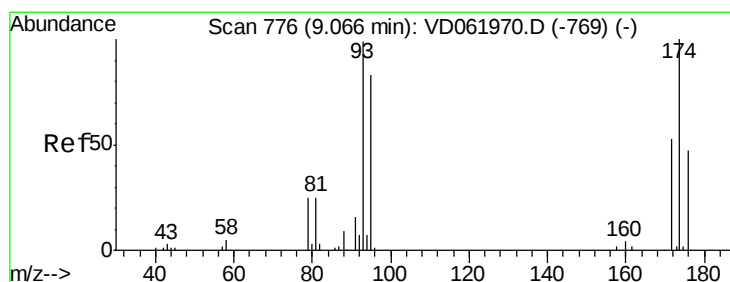
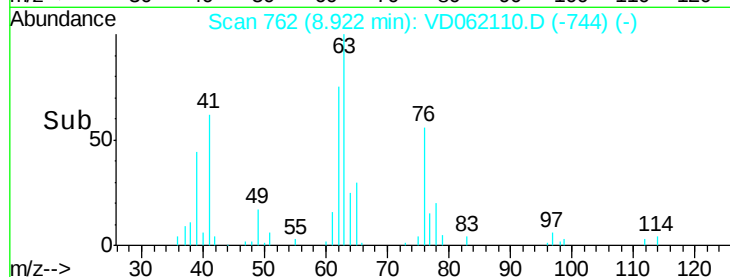
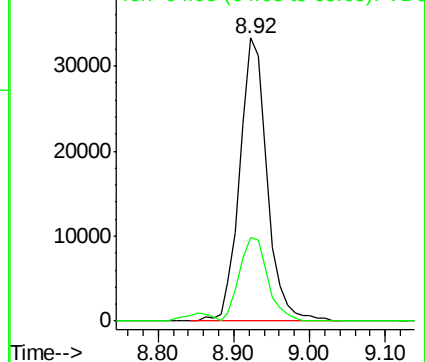
63 100

65 29.6 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: 20.420 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

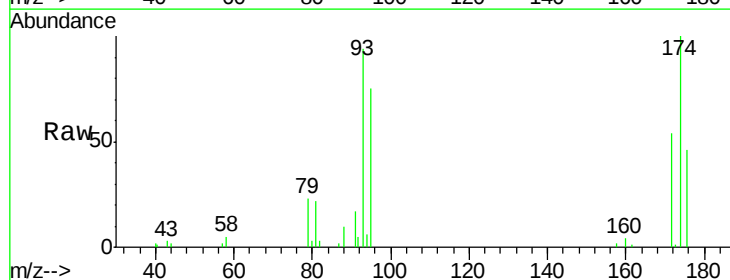
Tgt Ion: 93 Resp: 65115

Ion Ratio Lower Upper

93 100

95 80.5 64.8 97.2

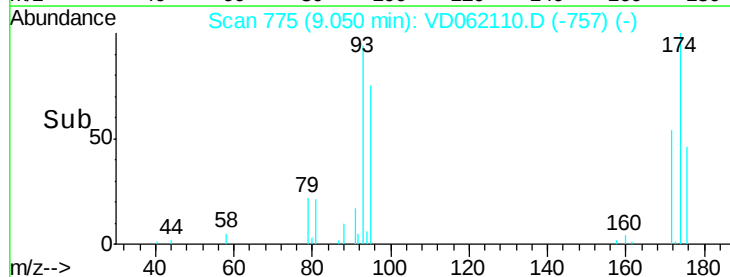
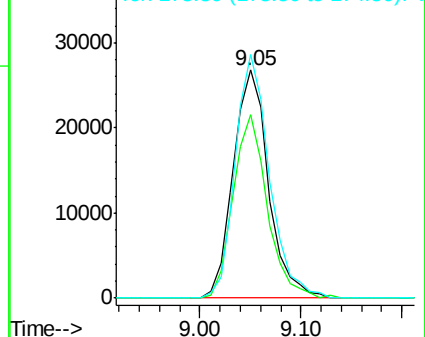
174 106.7 79.3 118.9

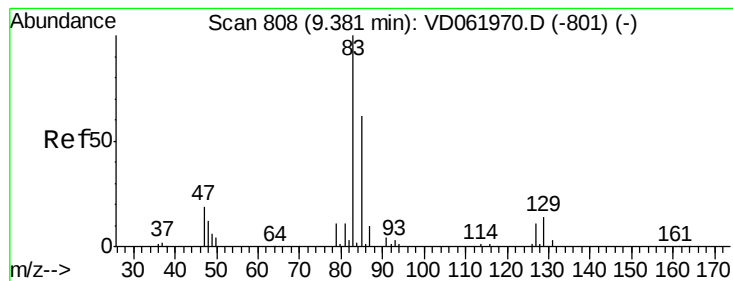


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.107 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS01

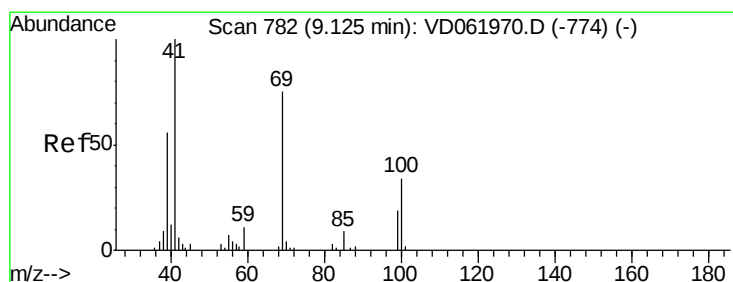
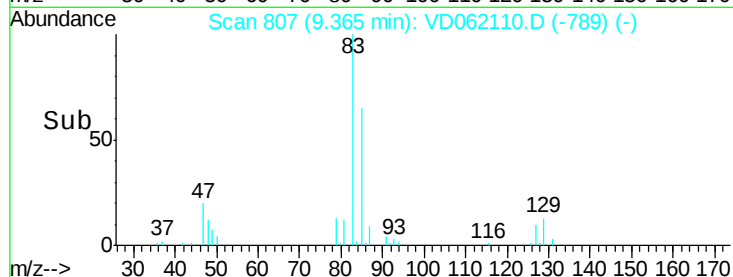
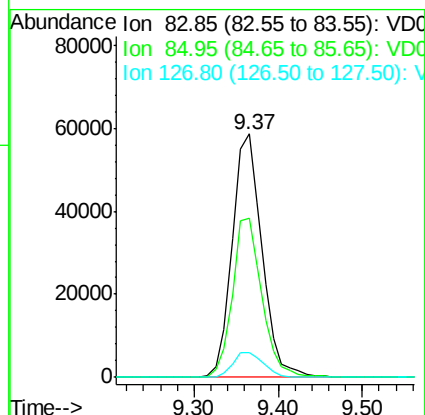
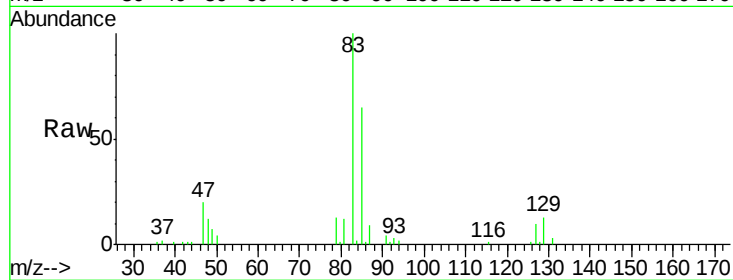
Tot Ion: 83 Resp: 143961

Ion Ratio Lower Upper

83 100

85 65.4 50.9 76.3

127 10.1 8.1 12.1



#48

Methyl methacrylate

Concen: 21.393 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

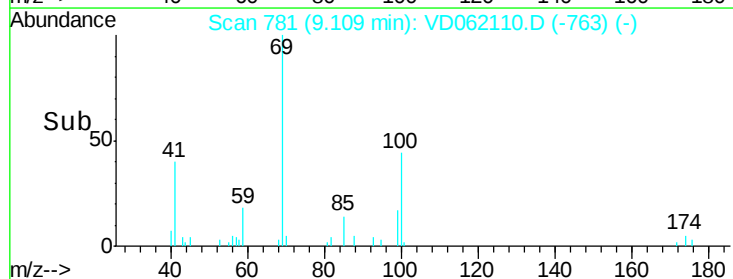
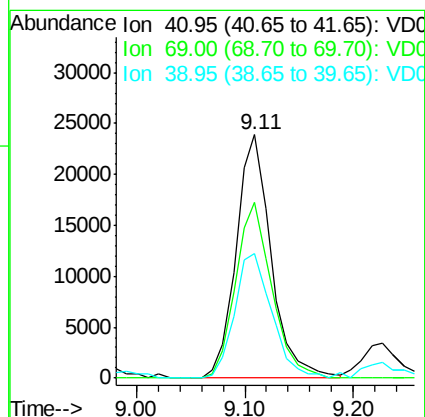
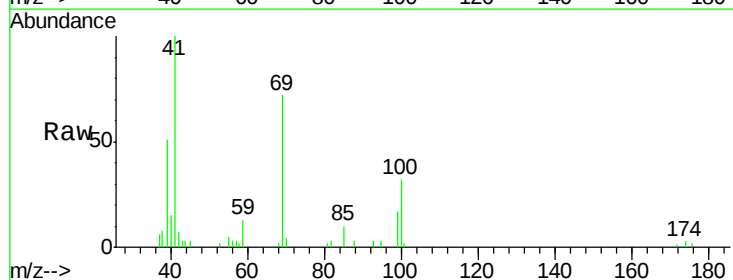
Tgt Ion: 41 Resp: 53624

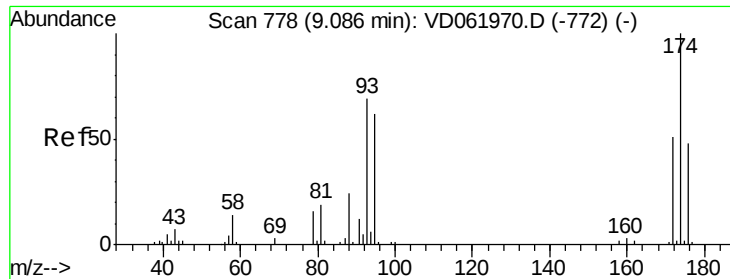
Ion Ratio Lower Upper

41 100

69 72.2 64.2 96.2

39 51.2 46.8 70.2

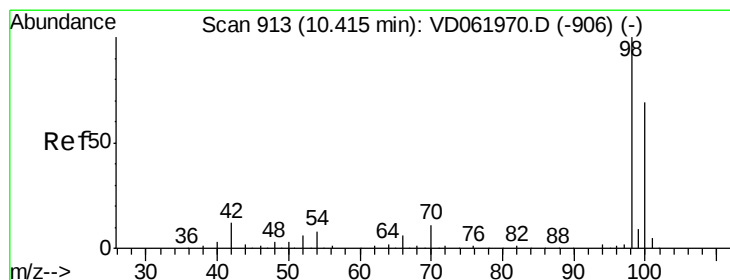
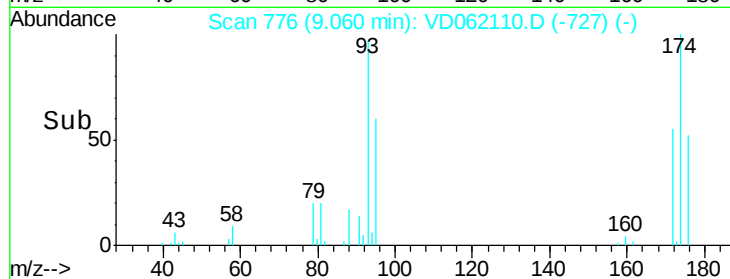
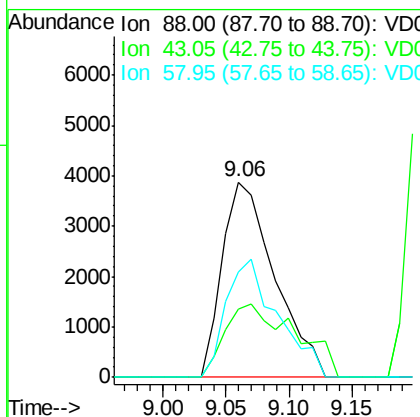
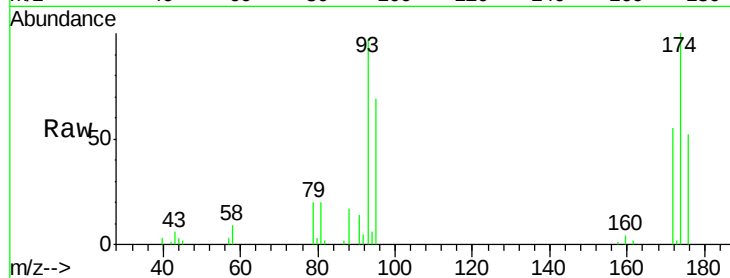




#49
1,4-Dioxane
Concen: 412.653 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.02 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

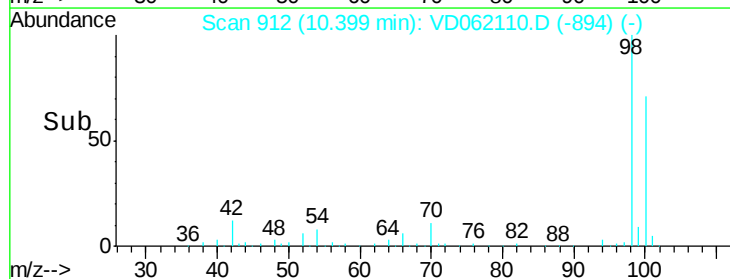
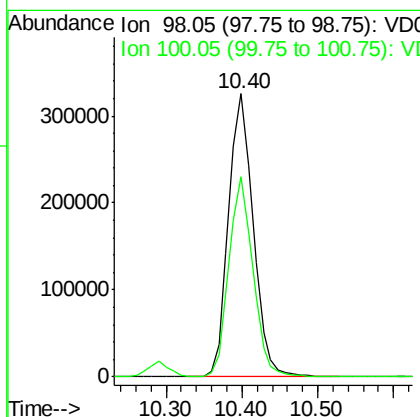
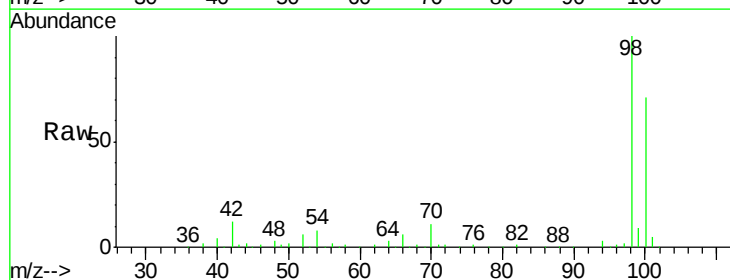
Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS01

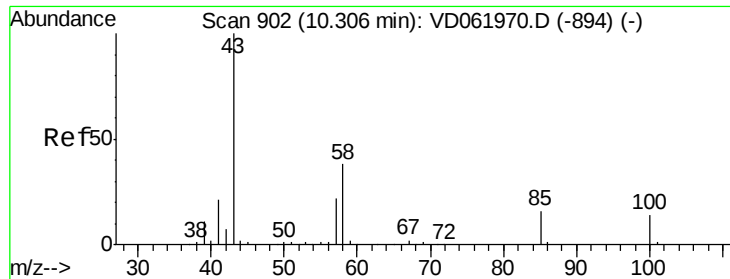
Tot Ion: 88 Resp: 11152
Ion Ratio Lower Upper
88 100
43 34.6 23.4 35.0
58 53.8 44.0 66.0



#50
Toluene-d8
Concen: 49.337 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Tgt Ion: 98 Resp: 735315
Ion Ratio Lower Upper
98 100
100 70.9 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 103.042 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

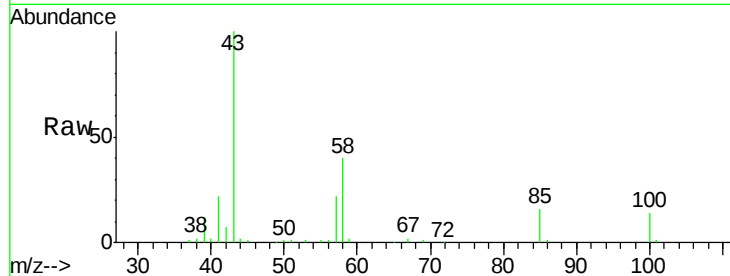
VD0502SBS01

Tot Ion: 43 Resp: 276857

Ion Ratio Lower Upper

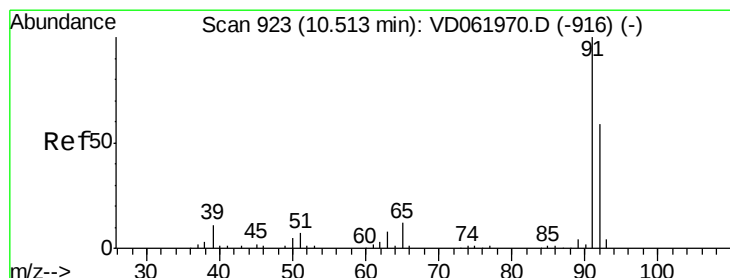
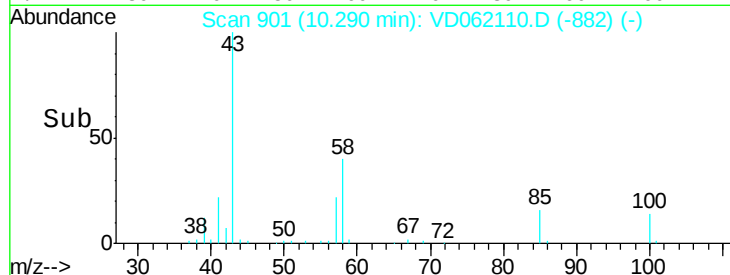
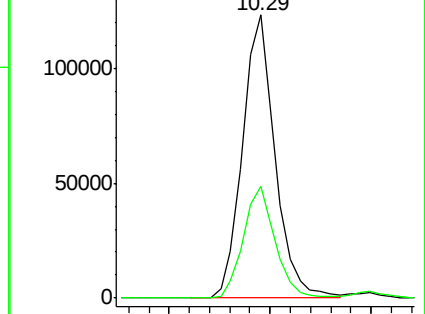
43 100

58 39.5 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: 18.732 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD062110.D

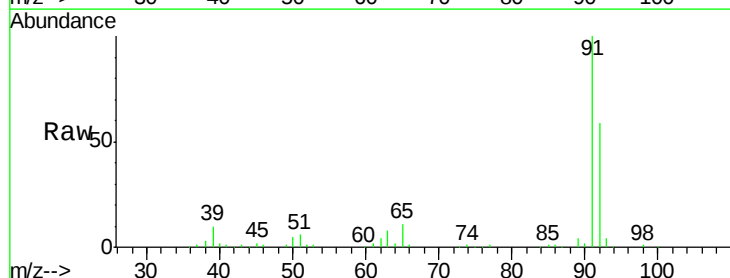
Acq: 2 May 2019 14:36

Tgt Ion: 92 Resp: 208641

Ion Ratio Lower Upper

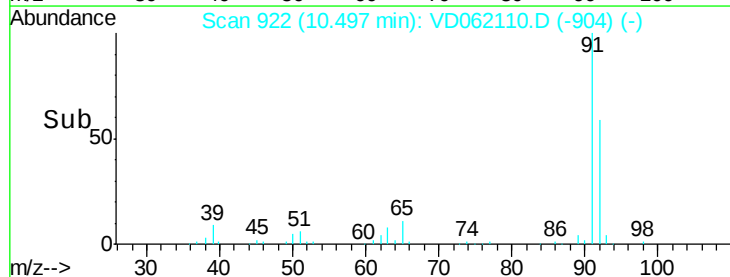
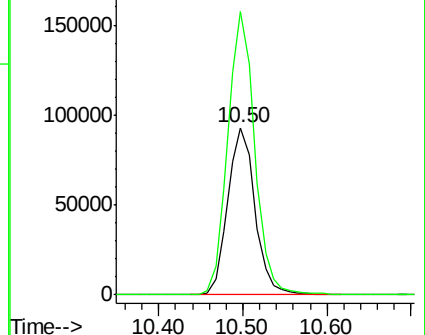
92 100

91 169.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

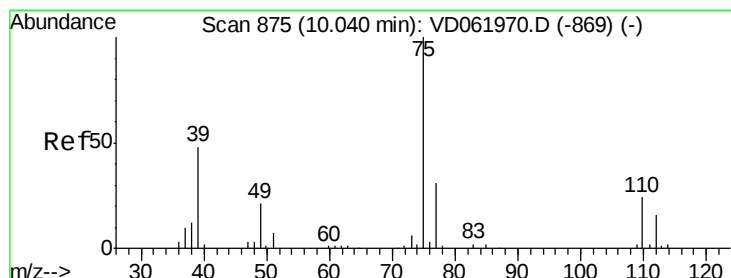
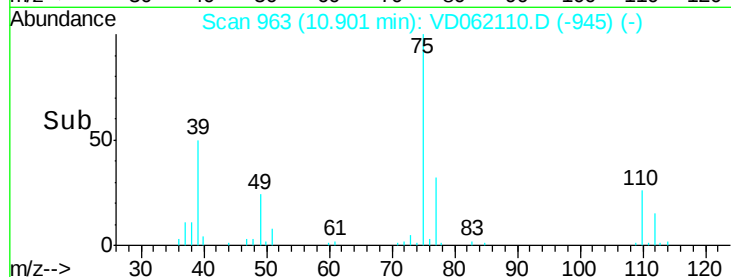
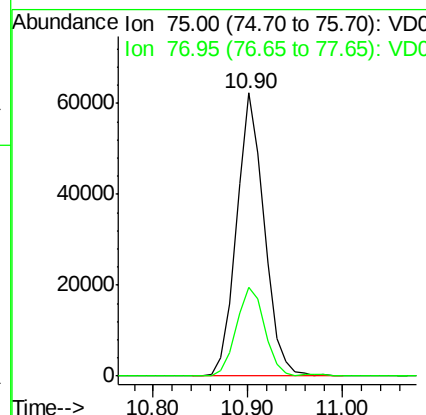
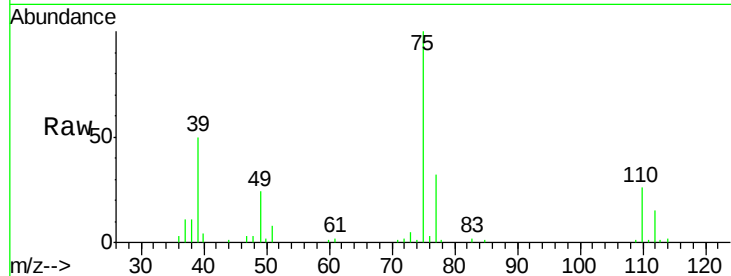




#53
 t-1,3-Dichloropropene
 Concen: 19.883 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

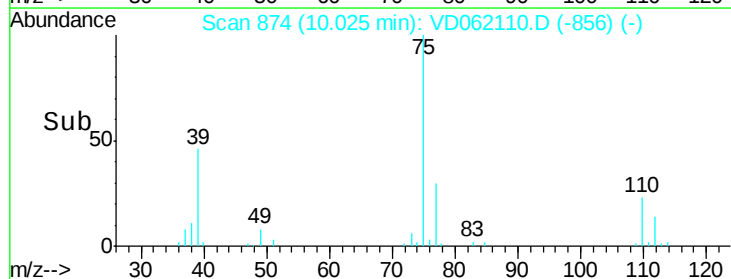
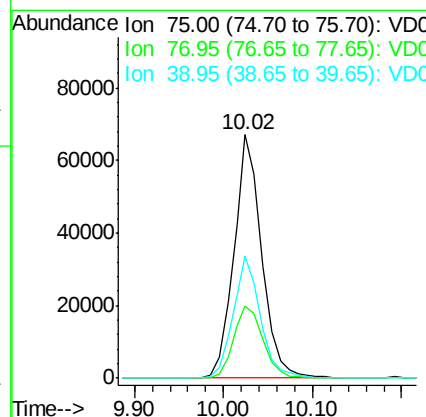
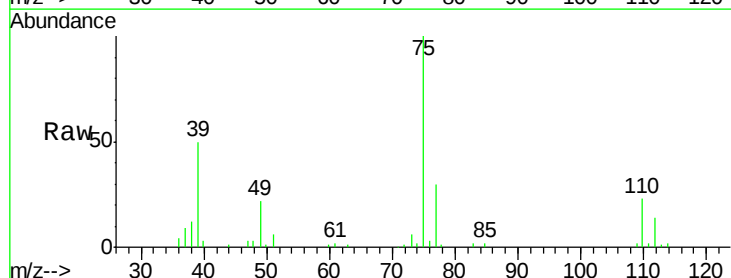
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

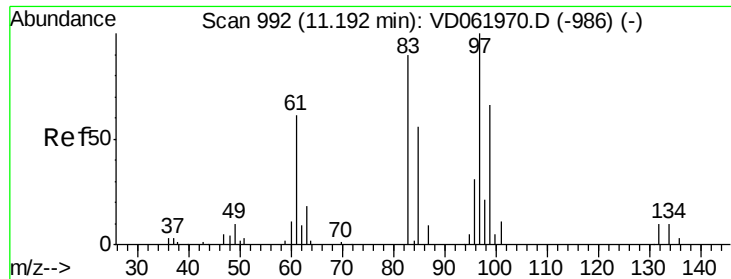
Tot Ion: 75 Resp: 125746
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 18.975 ug/l
 RT: 10.02 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Tgt Ion: 75 Resp: 145953
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.5 38.3
 39 50.1 39.4 59.2

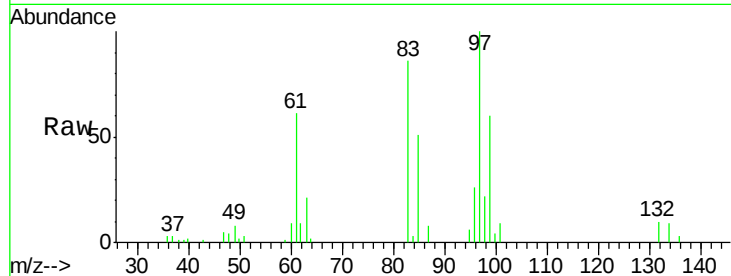




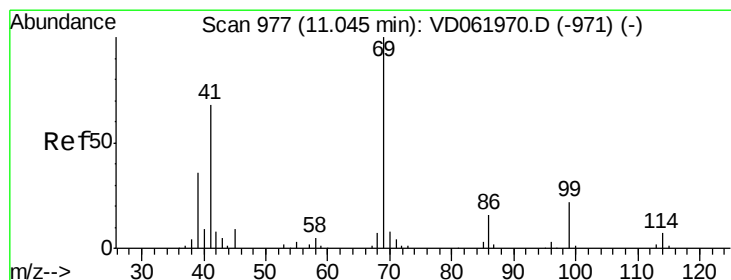
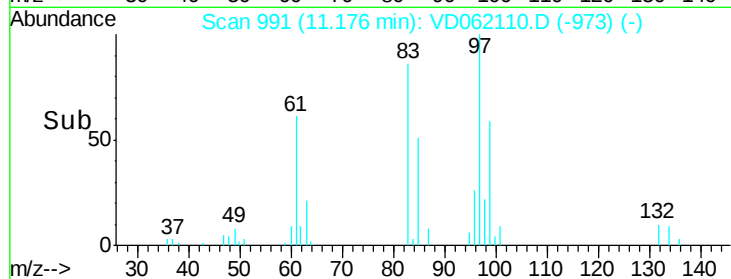
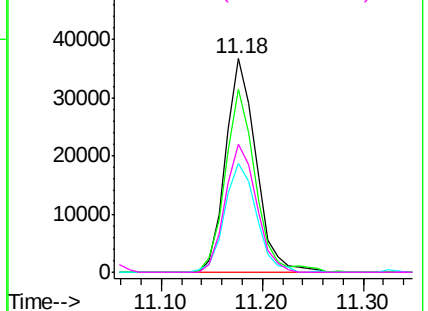
#55
 1,1,2-Trichloroethane
 Concen: 20.522 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

Tot Ion:	97	Resp:	76737
Ion	Ratio	Lower	Upper
97	100		
83	85.7	65.7	98.5
85	50.7	45.6	68.4
99	59.7	48.4	72.6

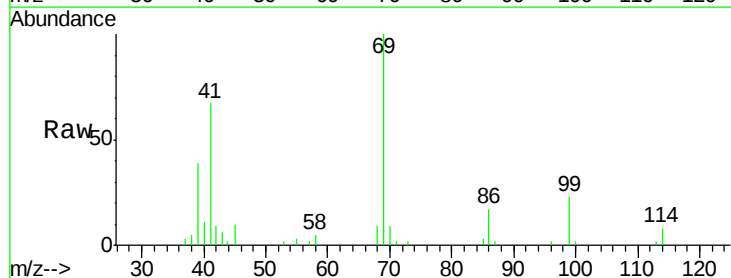


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

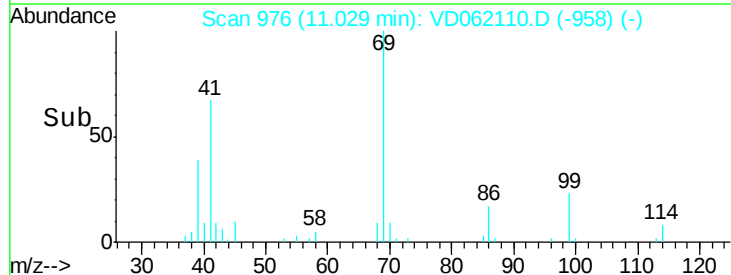
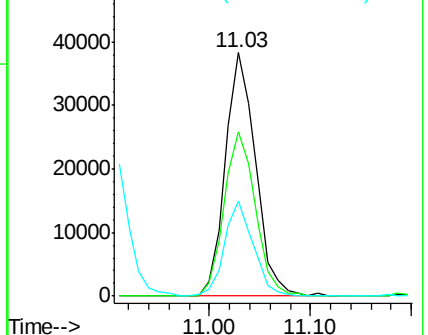


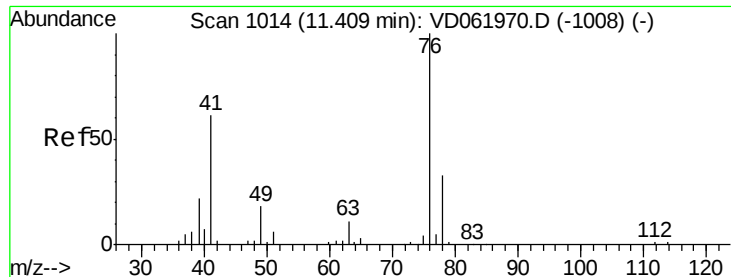
#56
 Ethyl methacrylate
 Concen: 19.212 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Tgt Ion:	69	Resp:	79564
Ion	Ratio	Lower	Upper
69	100		
41	67.5	56.3	84.5
39	39.2	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

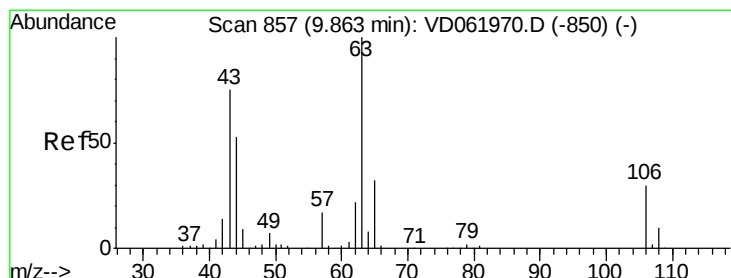
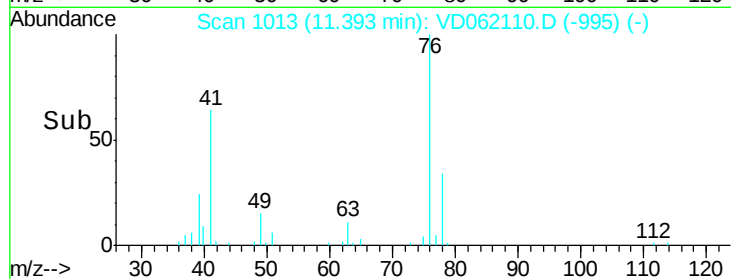
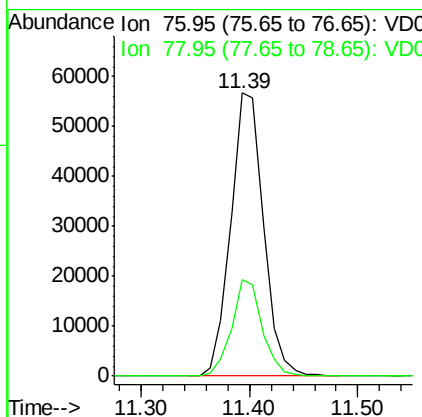
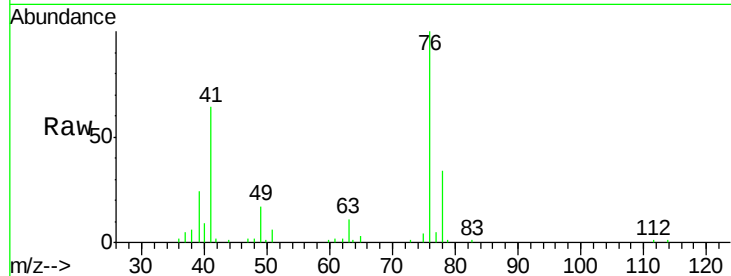




#57
 1,3-Dichloropropane
 Concen: 20.687 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.02 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

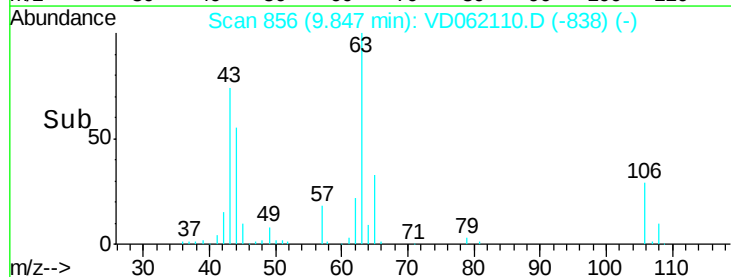
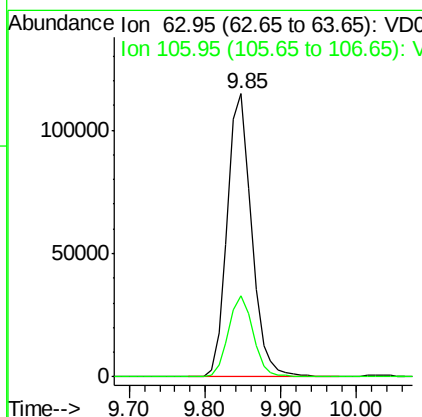
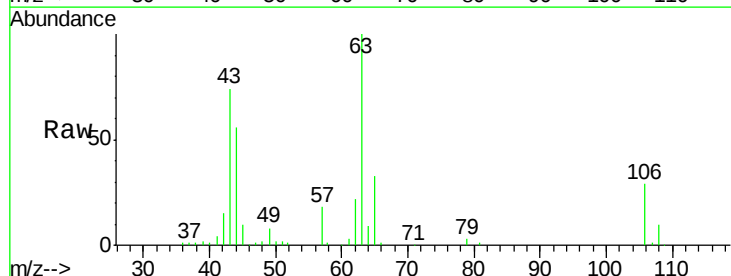
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

Tot Ion: 76 Resp: 119473
 Ion Ratio Lower Upper
 76 100
 78 34.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 132.749 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.02 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Tgt Ion: 63 Resp: 255604
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.6 34.0

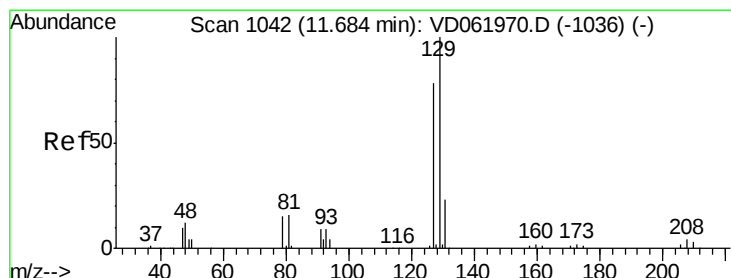
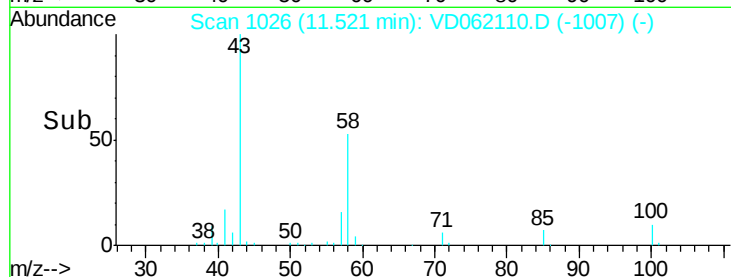
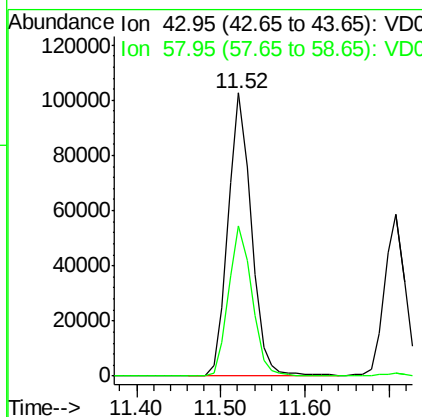
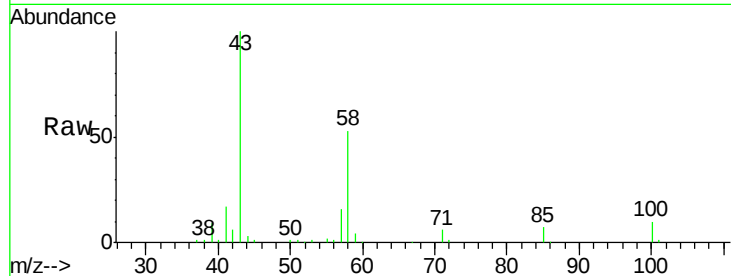




#59
2-Hexanone
Concen: 98.274 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

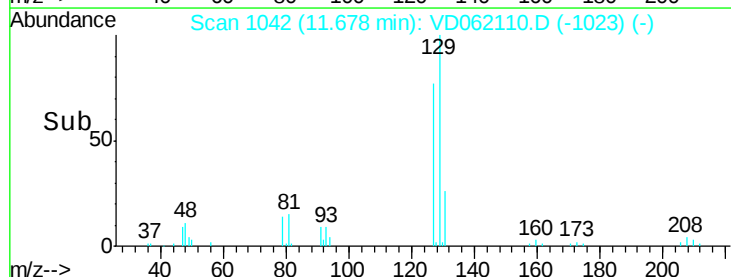
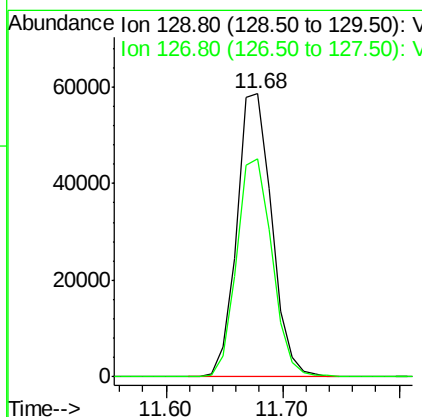
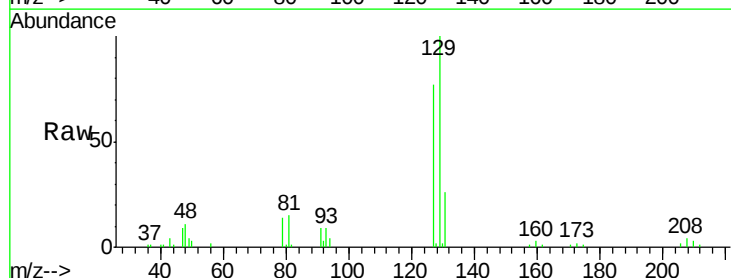
Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS01

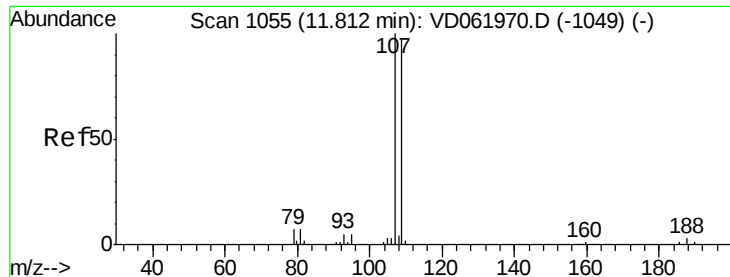
Tot Ion: 43 Resp: 198072
Ion Ratio Lower Upper
43 100
58 52.9 25.4 76.4



#60
Dibromochloromethane
Concen: 19.682 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Tgt Ion: 129 Resp: 121776
Ion Ratio Lower Upper
129 100
127 77.2 38.0 113.9

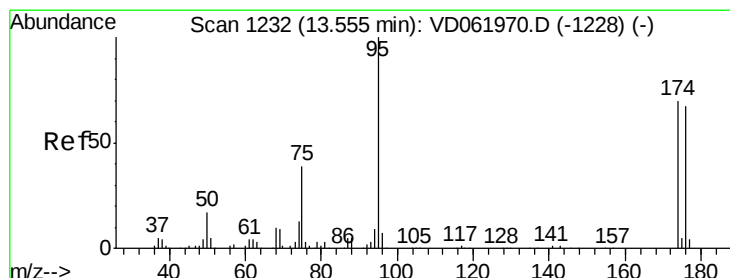
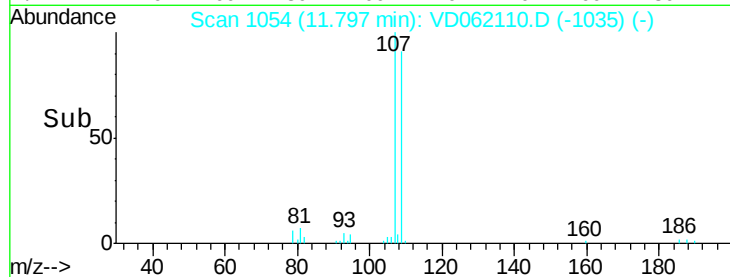
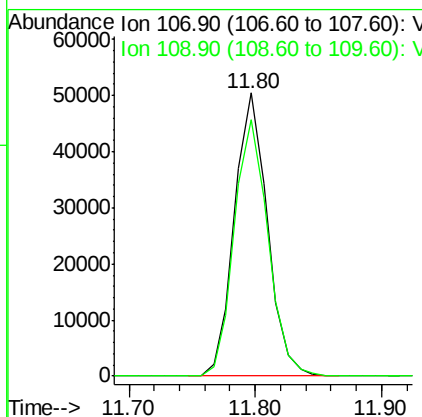
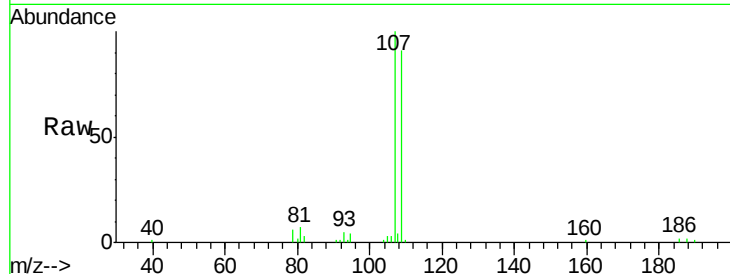




#61
 1,2-Dibromoethane
 Concen: 20.519 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

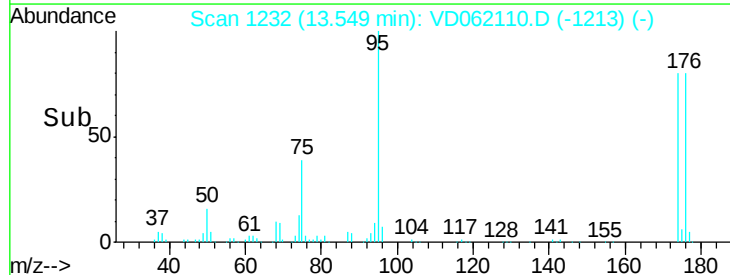
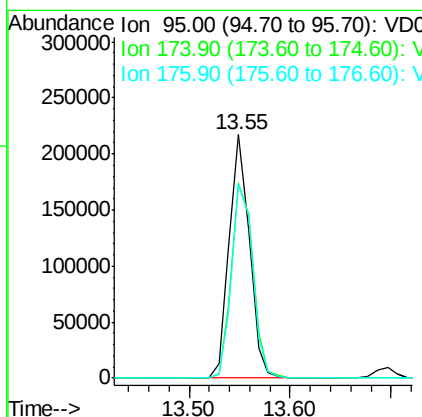
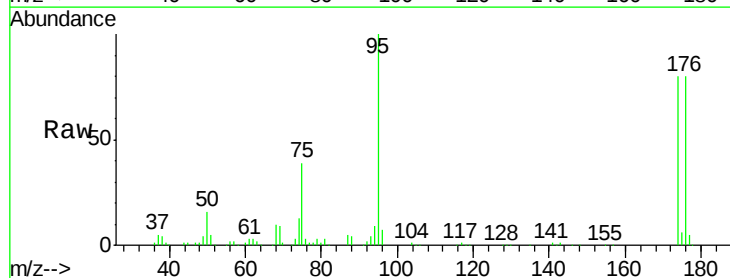
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

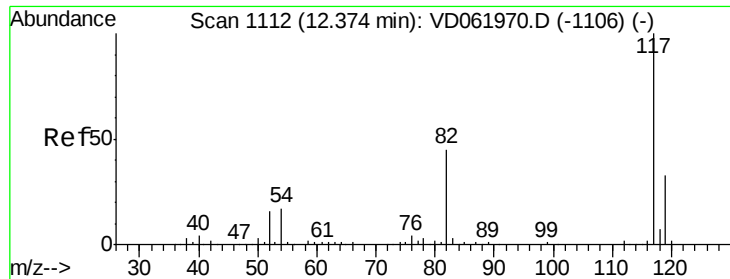
Tot Ion:107 Resp: 91016
 Ion Ratio Lower Upper
 107 100
 109 90.8 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 50.520 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Tgt Ion: 95 Resp: 302001
 Ion Ratio Lower Upper
 95 100
 174 80.3 0.0 181.8
 176 79.7 0.0 174.4

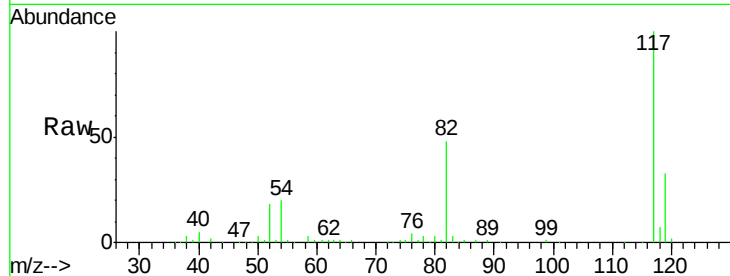




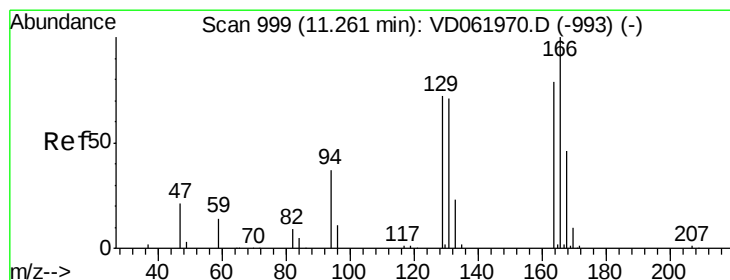
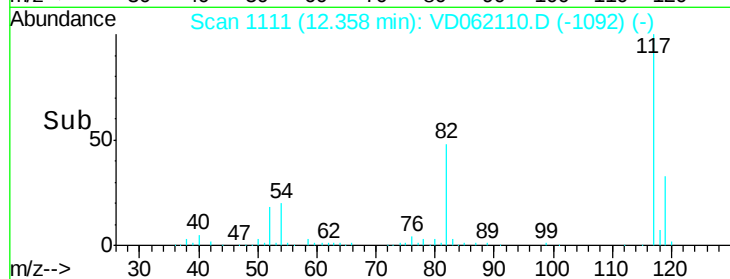
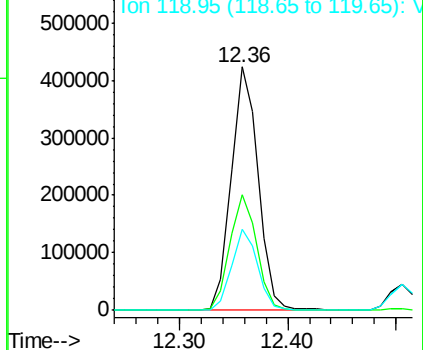
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS01

Tot Ion:117 Resp: 732443
Ion Ratio Lower Upper
117 100
82 47.6 36.2 54.2
119 33.2 26.2 39.4

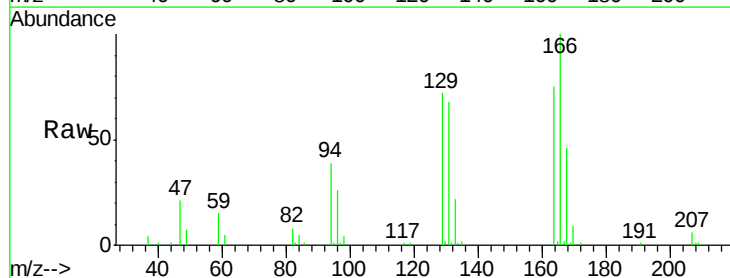


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

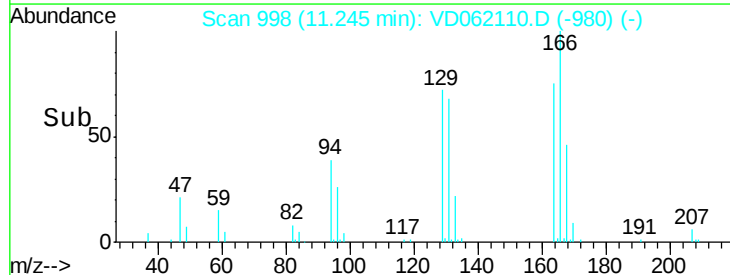
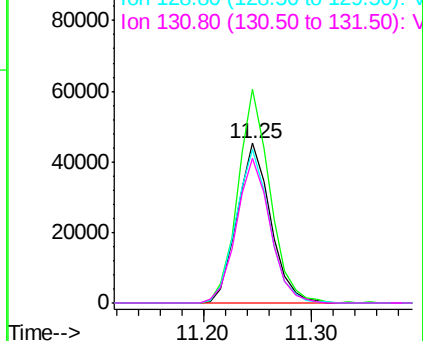


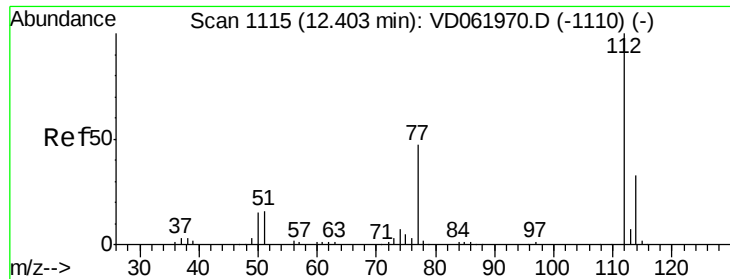
#64
Tetrachloroethene
Concen: 18.631 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Tgt Ion:164 Resp: 97347
Ion Ratio Lower Upper
164 100
166 133.7 101.5 152.3
129 96.0 74.6 112.0
131 90.6 72.6 108.8



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





#65

Chlorobenzene

Concen: 18.101 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

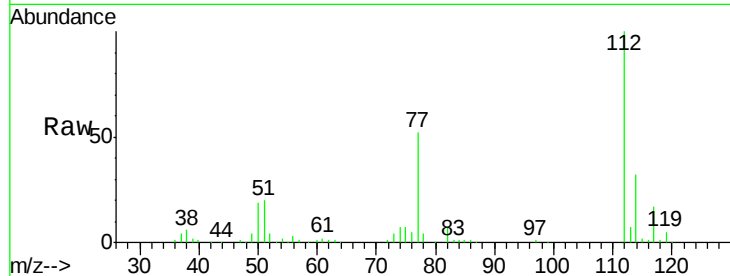
VD0502SBS01

Tot Ion:112 Resp: 250522

Ion Ratio Lower Upper

112 100

114 32.5 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.39

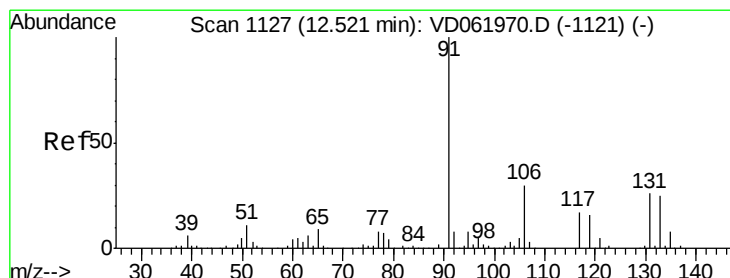
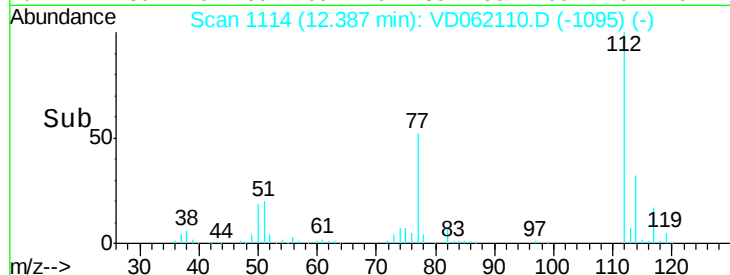
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.268 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

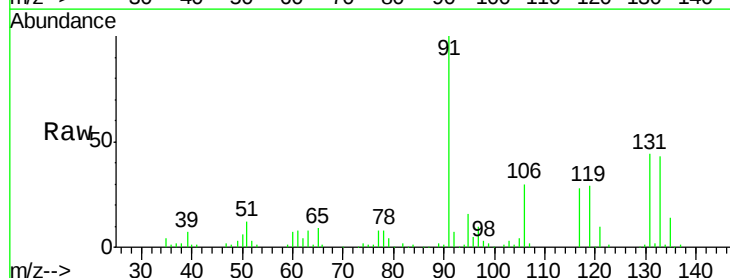
Tgt Ion:131 Resp: 113121

Ion Ratio Lower Upper

131 100

133 98.3 48.6 145.8

119 65.4 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

12.51

80000

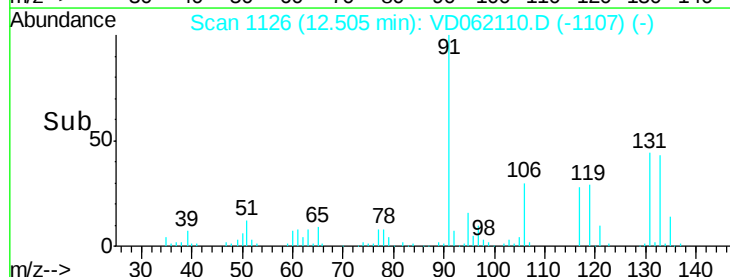
60000

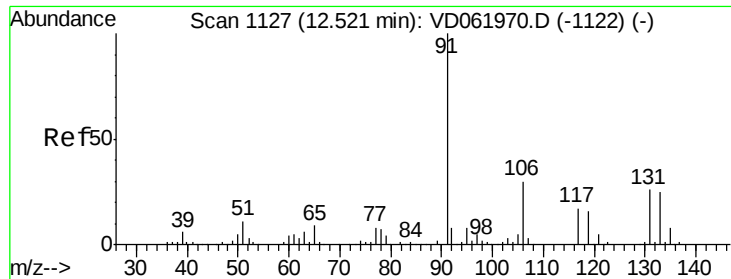
40000

20000

0

Time-->

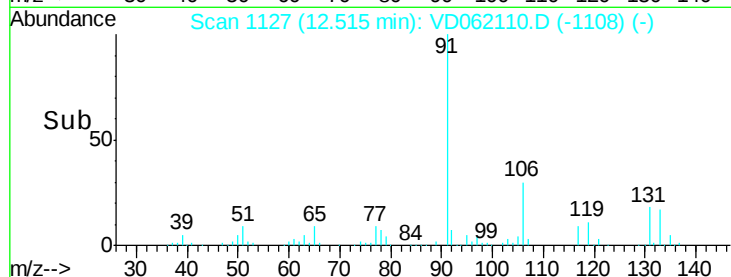
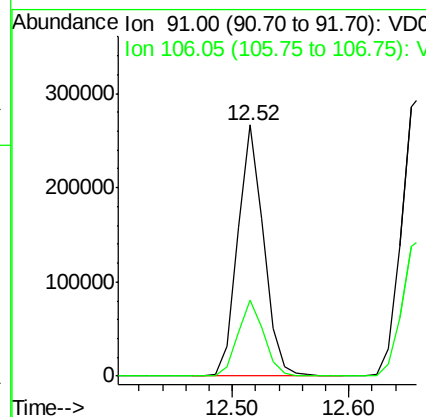
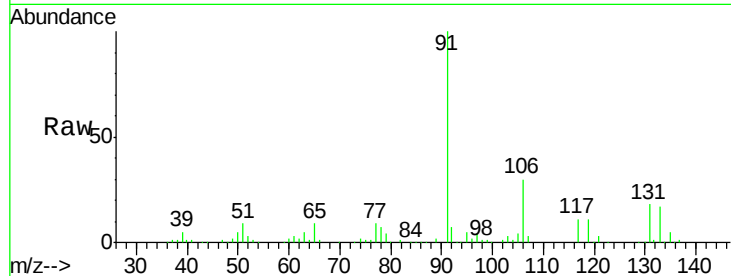




#67
Ethyl Benzene
Concen: 18.219 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

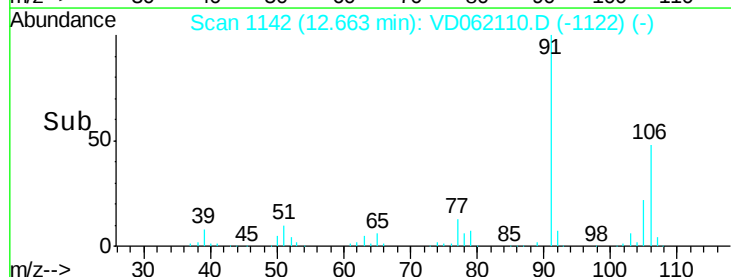
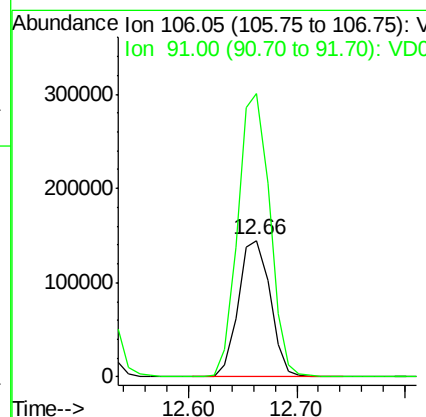
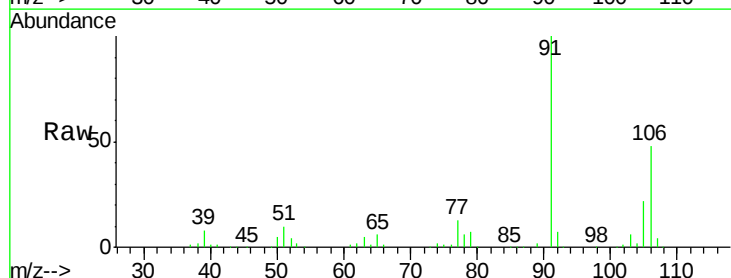
Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS01

Tot Ion: 91 Resp: 411570
Ion Ratio Lower Upper
91 100
106 30.1 24.7 37.1



#68
m/p-Xylenes
Concen: 36.603 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Tgt Ion: 106 Resp: 298854
Ion Ratio Lower Upper
106 100
91 206.9 164.0 246.0

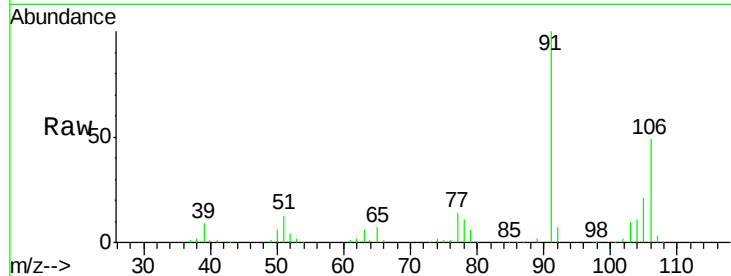




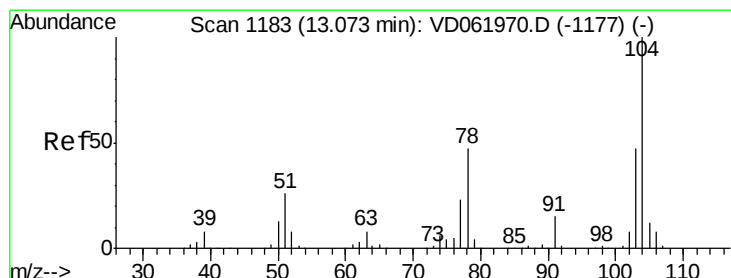
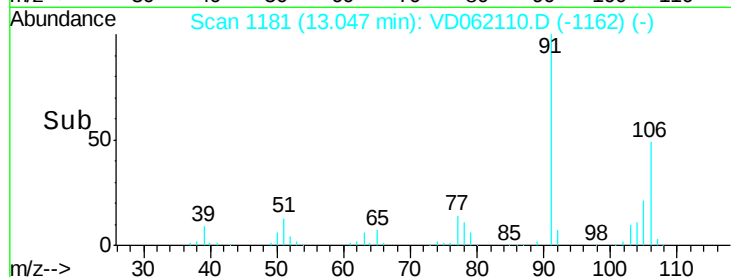
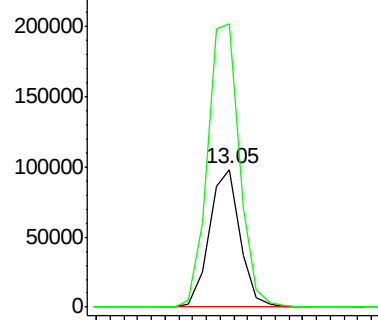
#69
o-Xylene
Concen: 20.419 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS01

Tot Ion:106 Resp: 152542
Ion Ratio Lower Upper
106 100
91 205.3 106.7 319.9

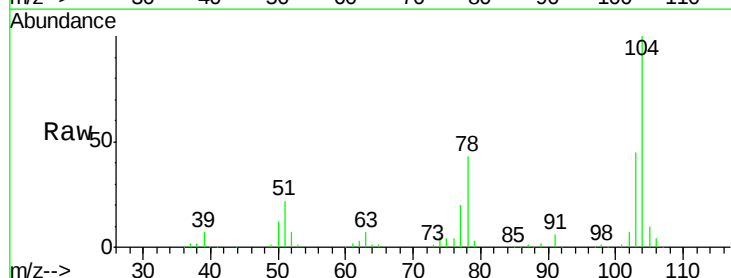


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

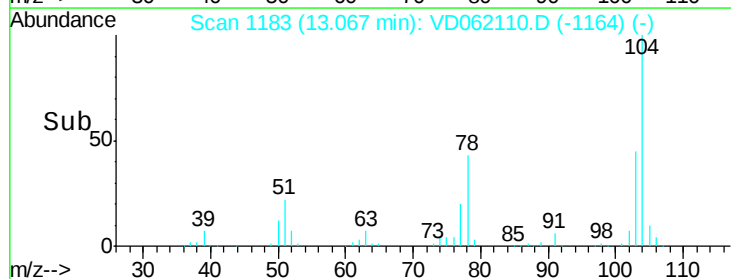
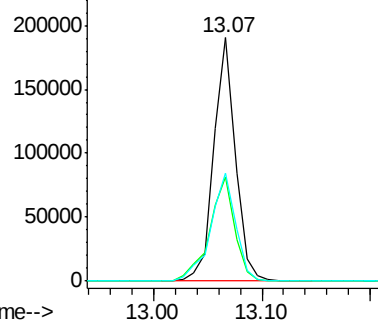


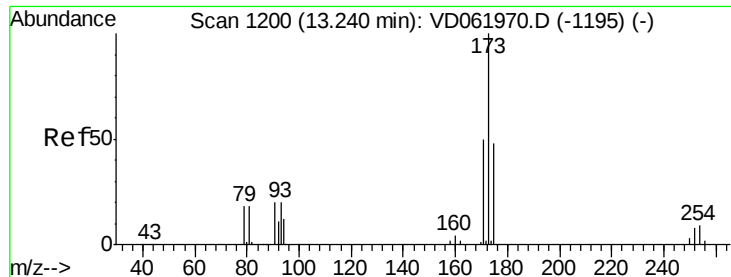
#70
Styrene
Concen: 20.474 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Tgt Ion:104 Resp: 264096
Ion Ratio Lower Upper
104 100
78 43.0 35.4 53.2
103 44.6 37.5 56.3



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





#71

Bromoform

Concen: 20.291 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS01

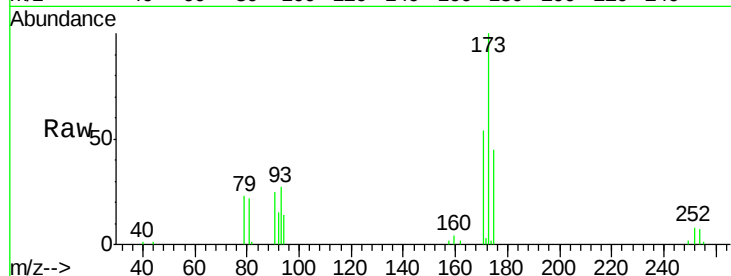
Tot Ion:173 Resp: 67916

Ion Ratio Lower Upper

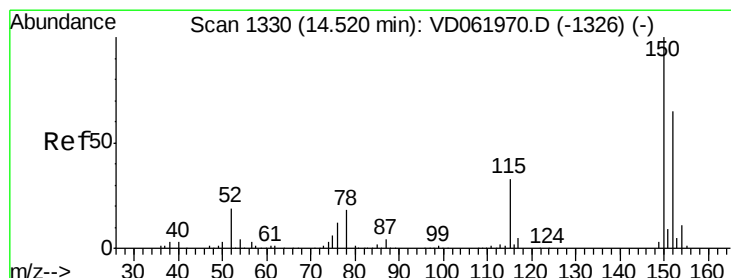
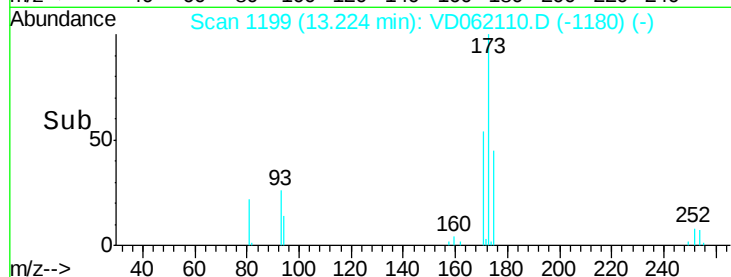
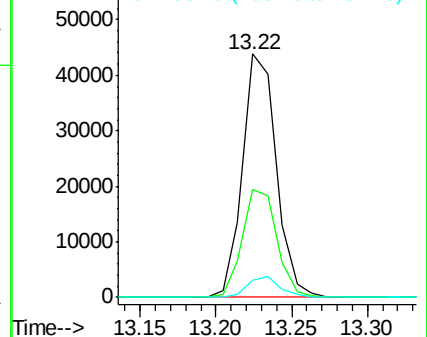
173 100

175 44.5 24.4 73.4

254 7.0 5.4 8.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

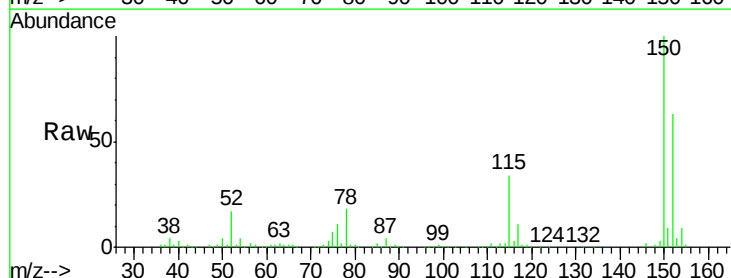
Tgt Ion:152 Resp: 358192

Ion Ratio Lower Upper

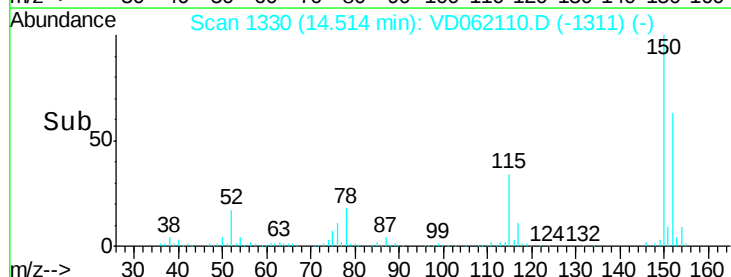
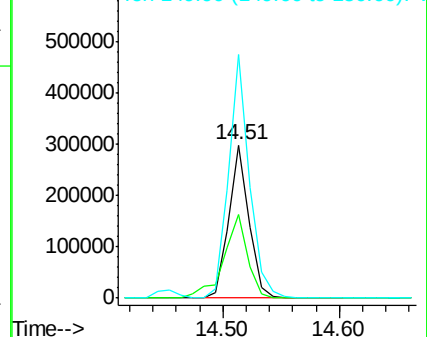
152 100

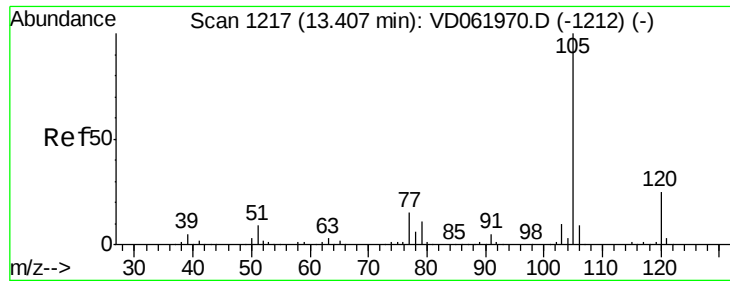
115 54.4 30.9 92.7

150 158.9 0.0 314.8



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





#73

Isopropylbenzene

Concen: 16.158 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

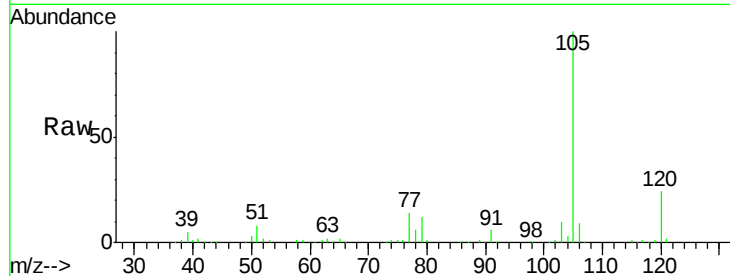
VD0502SBS01

Tot Ion:105 Resp: 386084

Ion Ratio Lower Upper

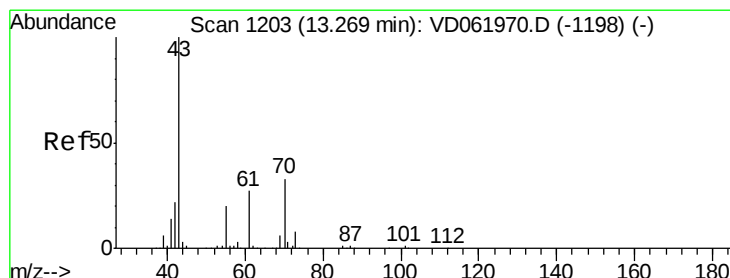
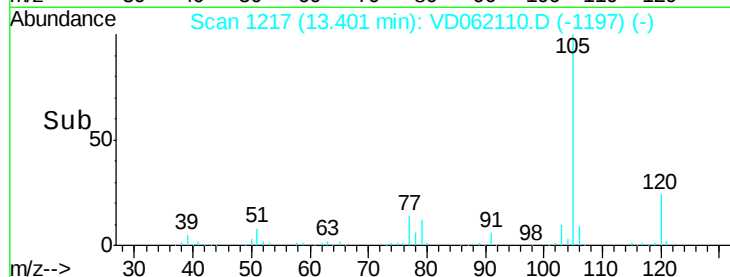
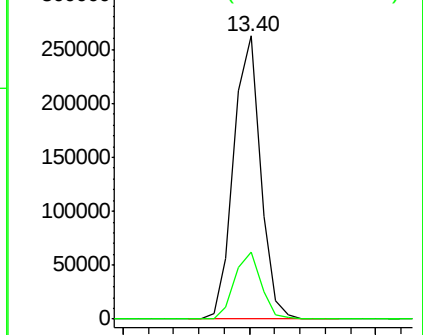
105 100

120 23.9 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: 17.416 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Tgt Ion: 43 Resp: 107169

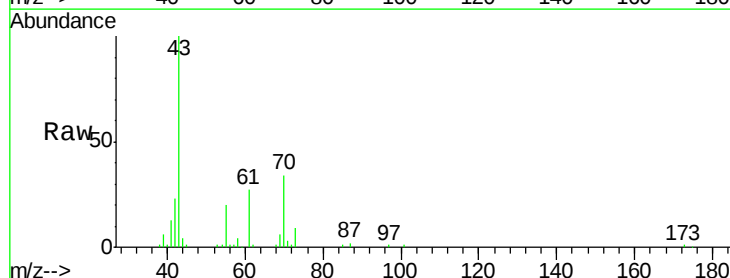
Ion Ratio Lower Upper

43 100

70 34.3 24.2 36.4

55 20.5 16.0 24.0

61 26.5 21.6 32.4

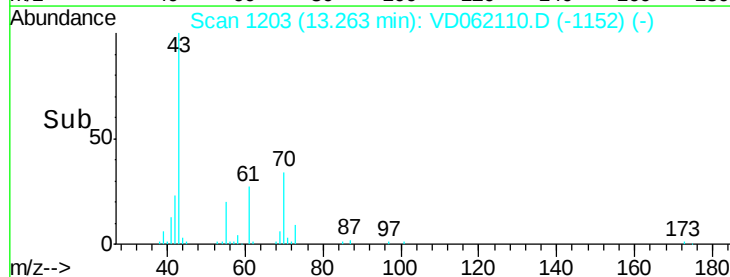
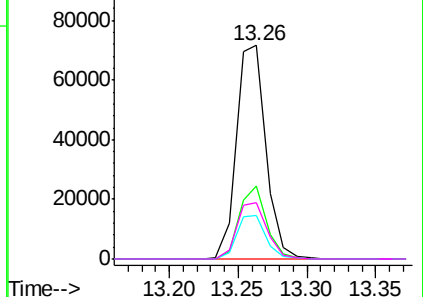


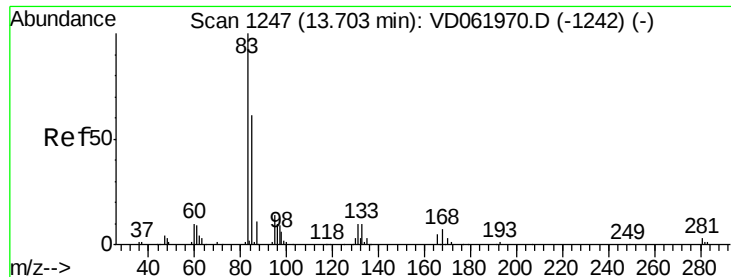
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.029 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS01

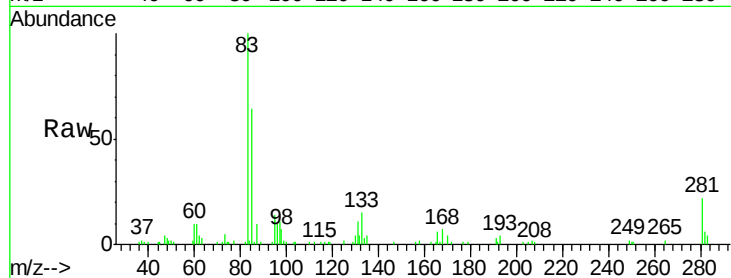
Tot Ion: 83 Resp: 89098

Ion Ratio Lower Upper

83 100

131 10.9 5.0 14.9

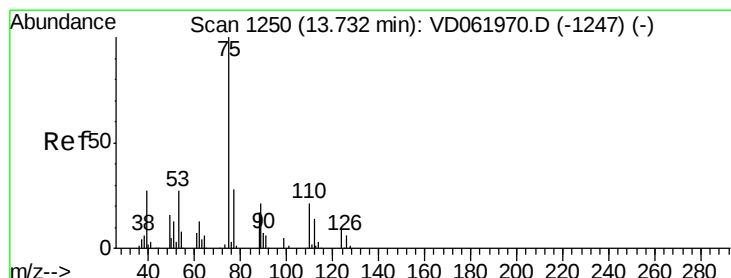
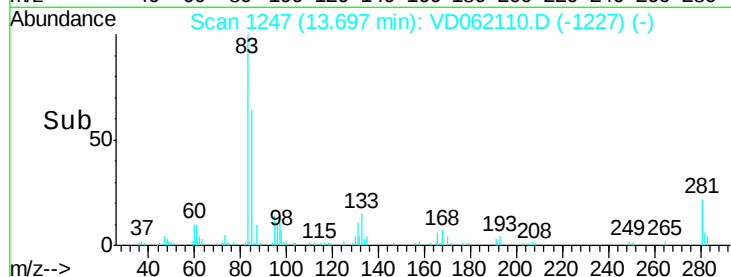
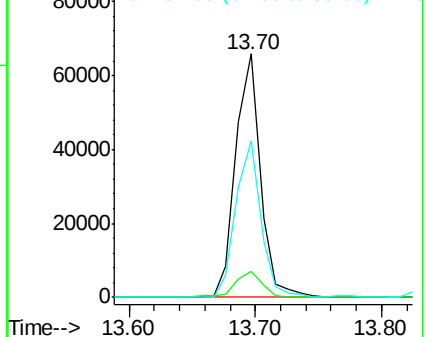
85 64.3 32.6 97.7



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: 19.014 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD062110.D

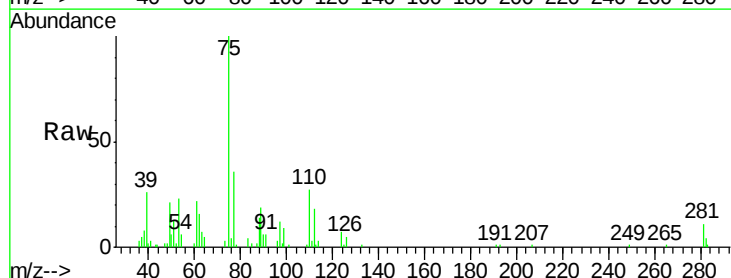
Acq: 2 May 2019 14:36

Tgt Ion: 75 Resp: 86487

Ion Ratio Lower Upper

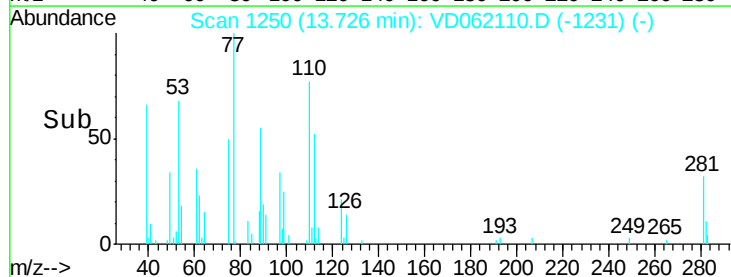
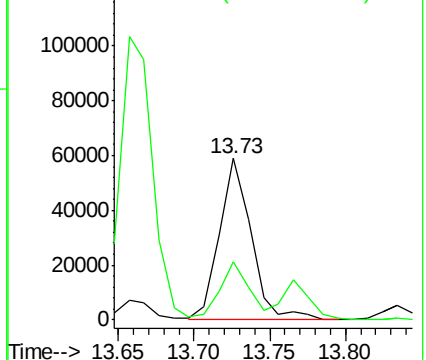
75 100

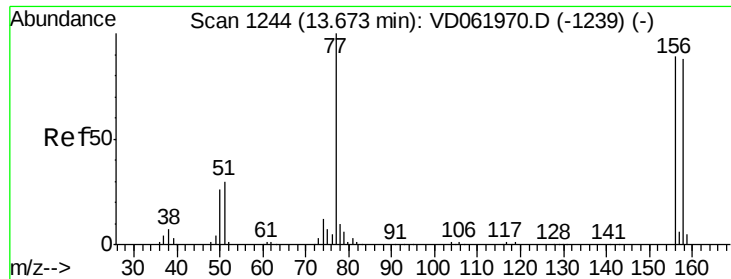
77 35.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.154 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS01

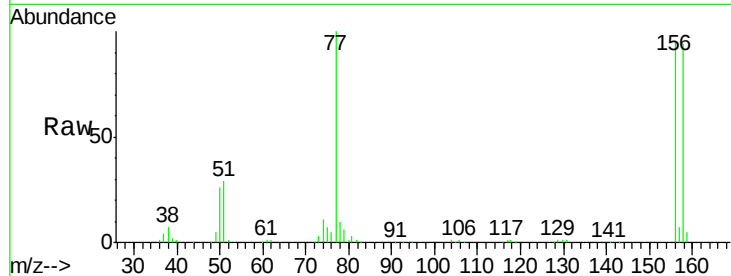
Tot Ion:156 Resp: 124435

Ion Ratio Lower Upper

156 100

77 105.2 53.1 159.4

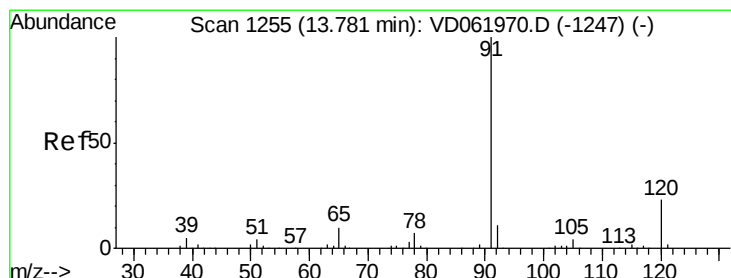
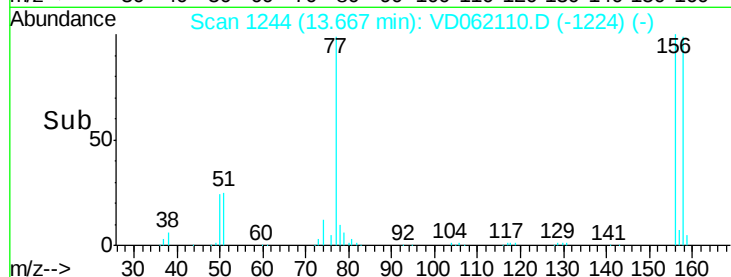
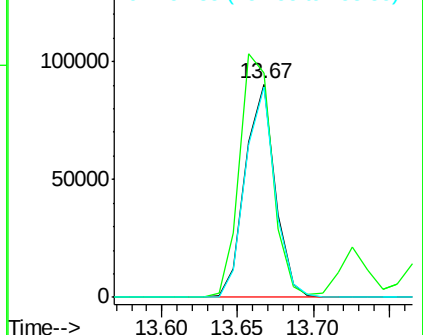
158 98.7 49.4 148.0



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: 17.972 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062110.D

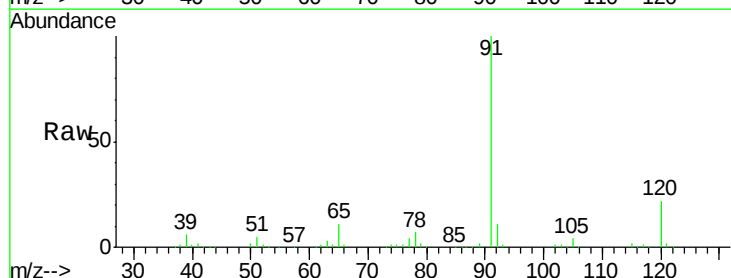
Acq: 2 May 2019 14:36

Tgt Ion: 91 Resp: 491597

Ion Ratio Lower Upper

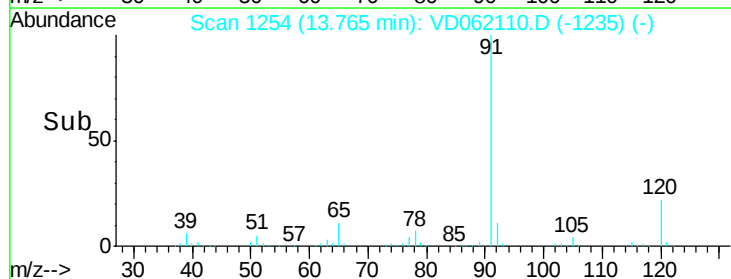
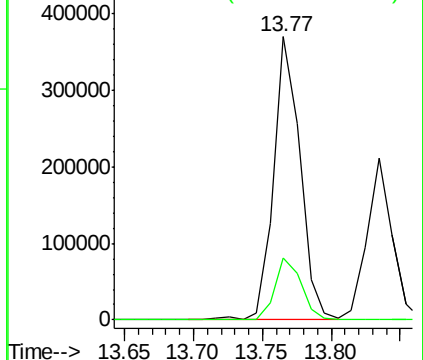
91 100

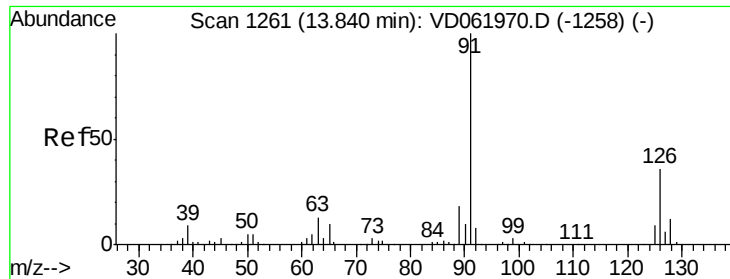
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

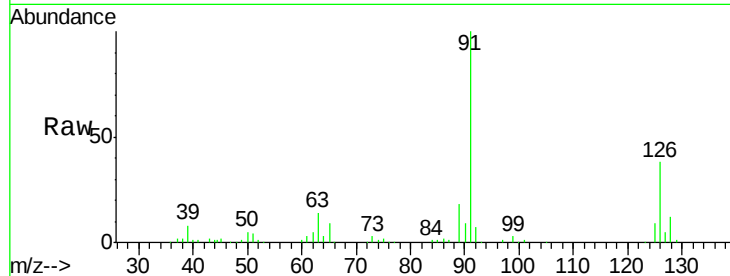




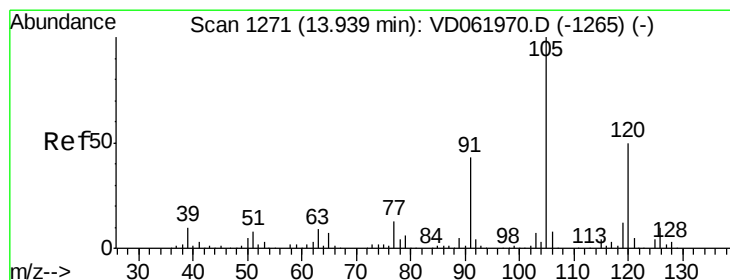
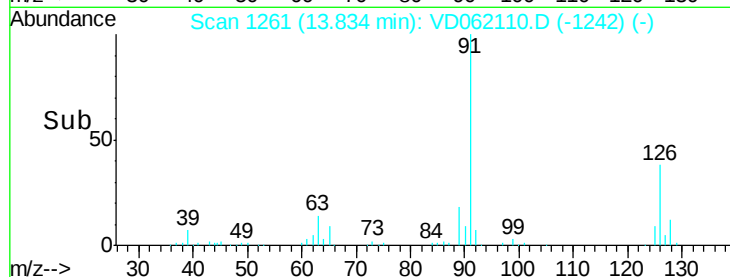
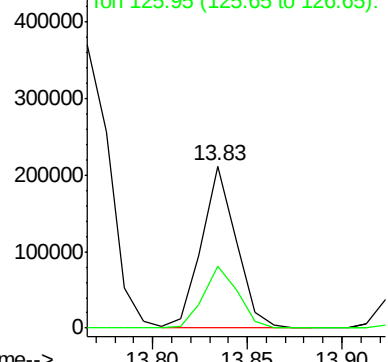
#79
 2-Chlorotoluene
 Concen: 16.239 ug/l
 RT: 13.83 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

Tot Ion: 91 Resp: 269047
 Ion Ratio Lower Upper
 91 100
 126 38.1 18.6 55.8

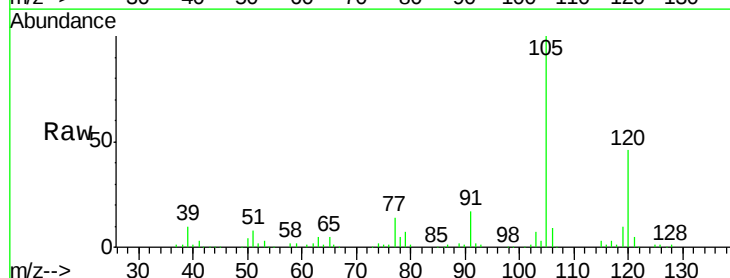


Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

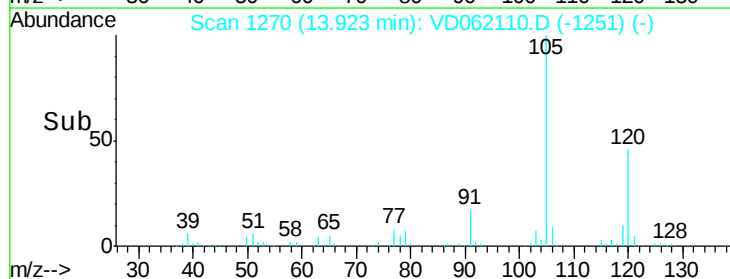
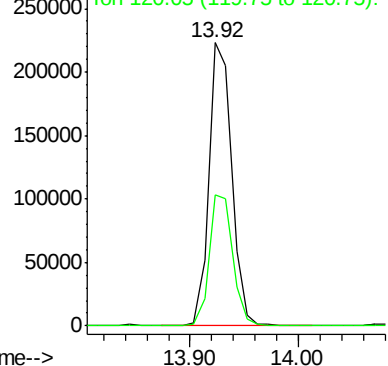


#80
 1,3,5-Trimethylbenzene
 Concen: 17.175 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Tgt Ion: 105 Resp: 327225
 Ion Ratio Lower Upper
 105 100
 120 46.1 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)
 Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)

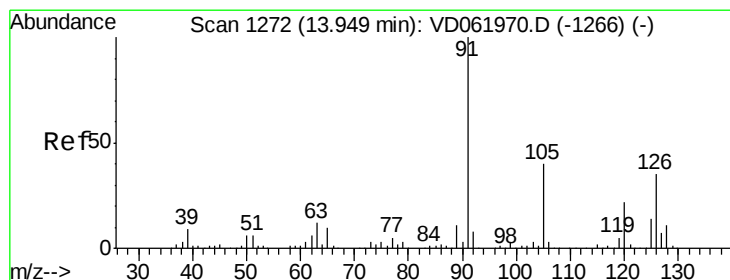
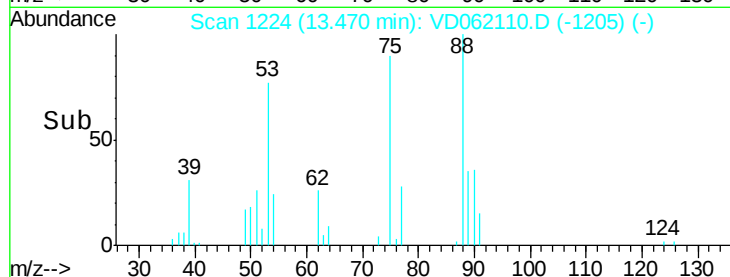
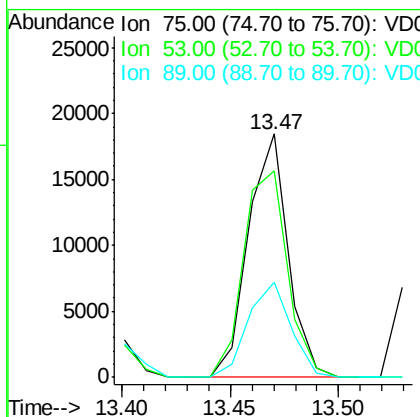
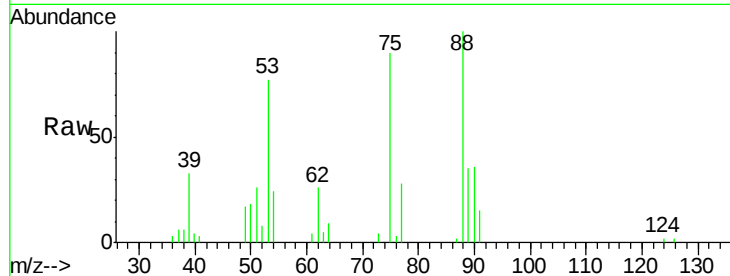




#81
trans-1,4-Dichloro-2-butene
Concen: 17.181 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

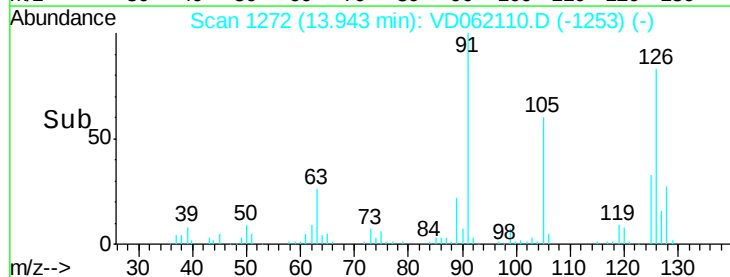
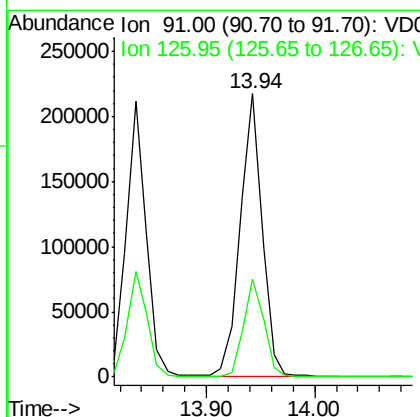
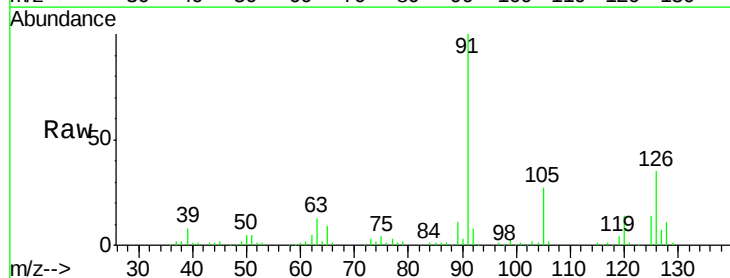
Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS01

Tot Ion: 75 Resp: 23682
Ion Ratio Lower Upper
75 100
53 85.0 65.8 98.8
89 38.9 35.0 52.6



#82
4-Chlorotoluene
Concen: 16.892 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Tgt Ion: 91 Resp: 308203
Ion Ratio Lower Upper
91 100
126 34.6 19.1 57.5





#83

tert-Butylbenzene

Concen: 16.455 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD062110.D

Acq: 2 May 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS01

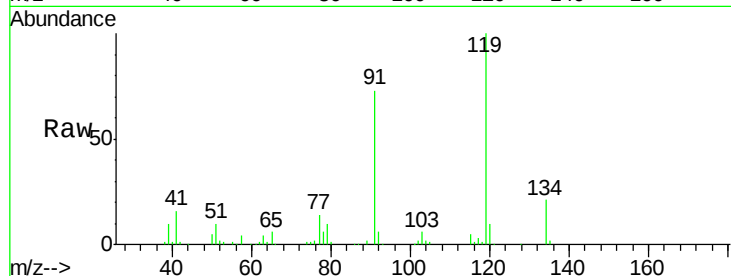
Tot Ion:119 Resp: 363174

Ion Ratio Lower Upper

119 100

91 72.8 34.2 102.6

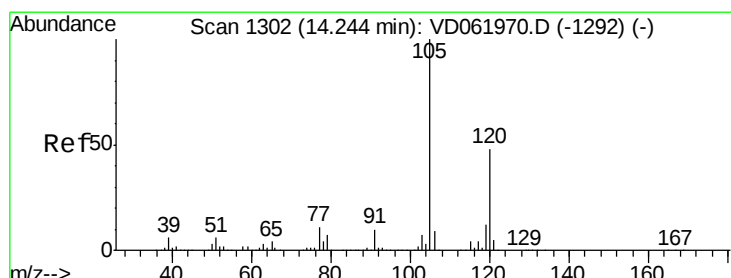
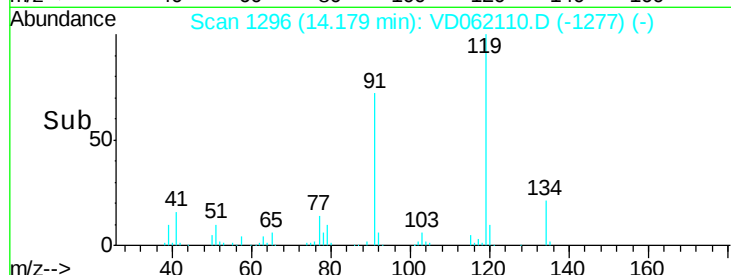
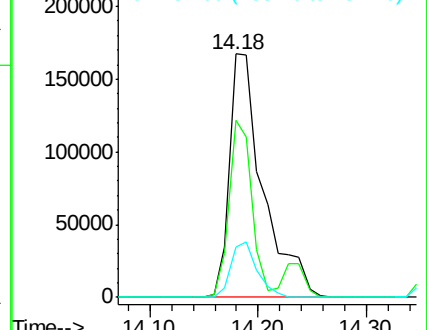
134 20.6 12.0 36.0



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: 18.960 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD062110.D

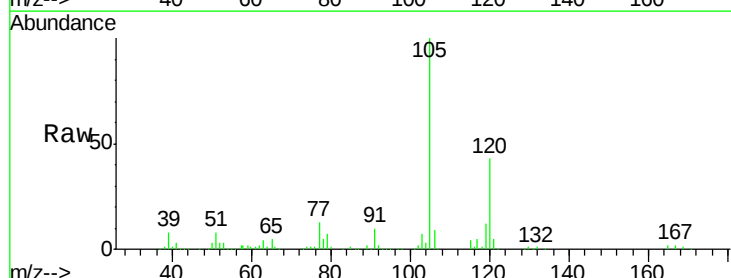
Acq: 2 May 2019 14:36

Tgt Ion:105 Resp: 344919

Ion Ratio Lower Upper

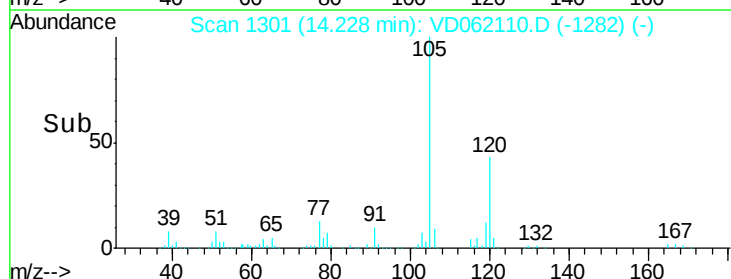
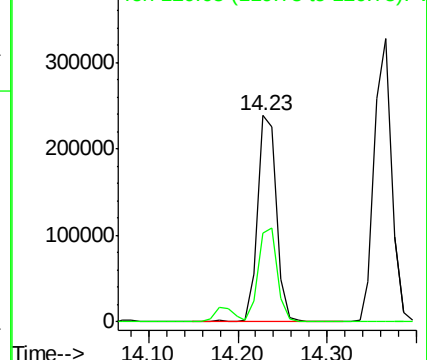
105 100

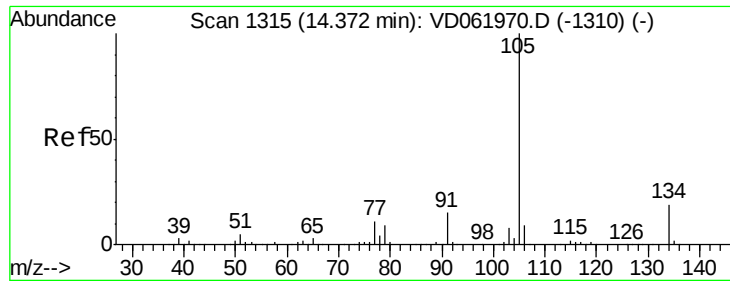
120 43.0 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

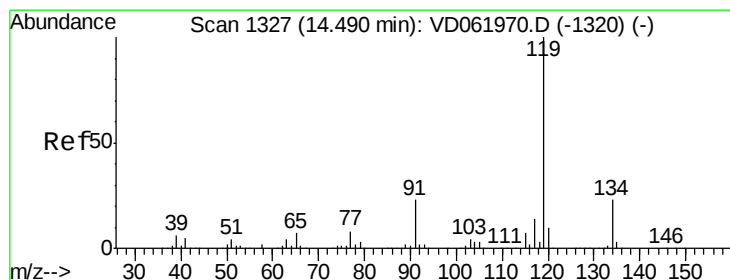
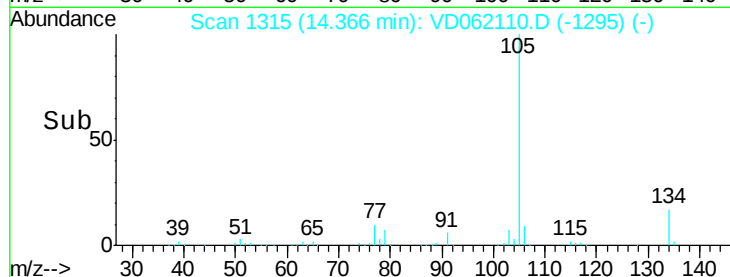
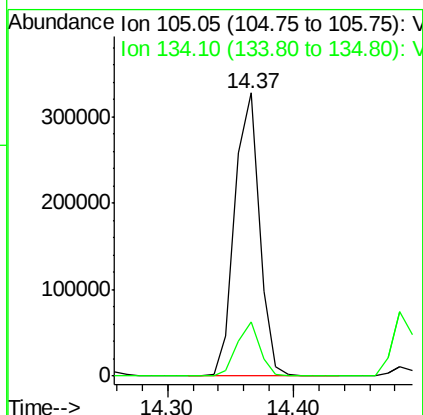
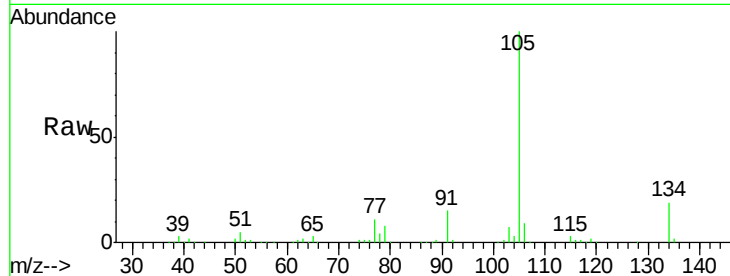




#85
 sec-Butylbenzene
 Concen: 18.548 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

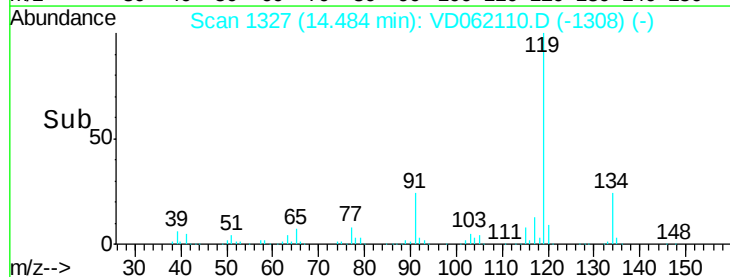
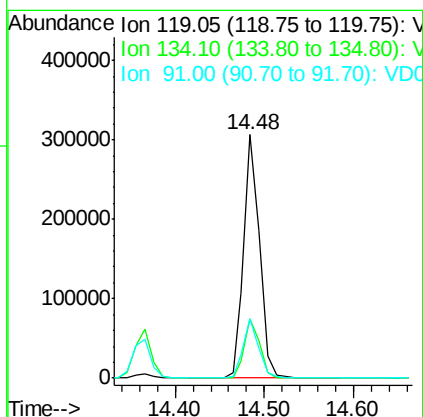
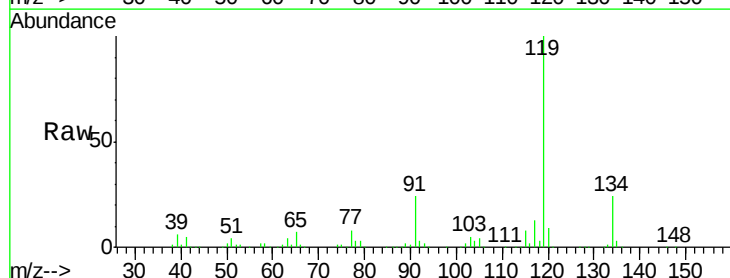
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

Tot Ion:105 Resp: 442336
 Ion Ratio Lower Upper
 105 100
 134 19.1 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 17.795 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Tgt Ion:119 Resp: 379790
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.8 38.3
 91 24.5 10.7 32.1

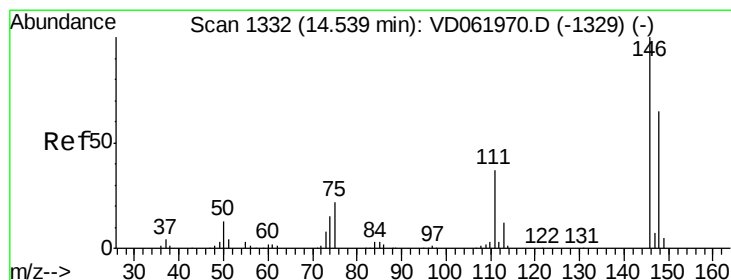
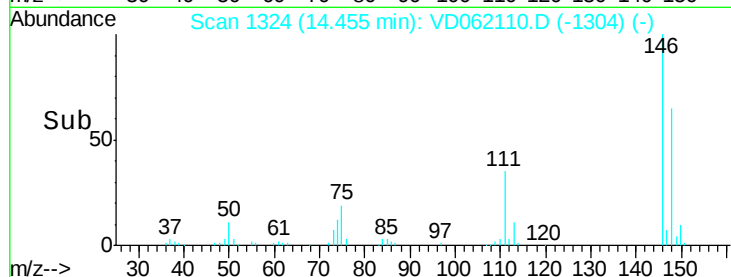
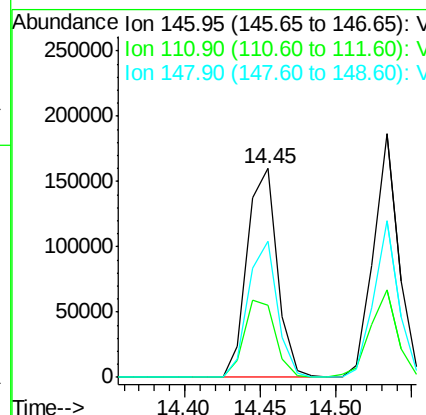
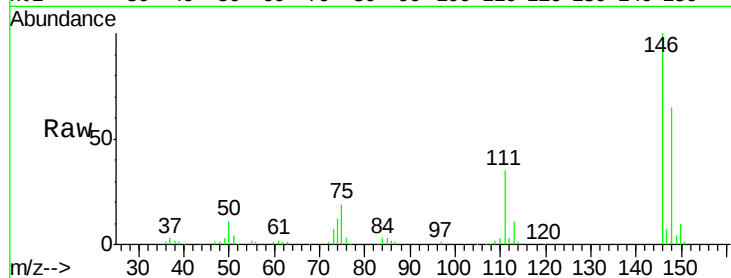




#87
 1,3-Dichlorobenzene
 Concen: 18.496 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

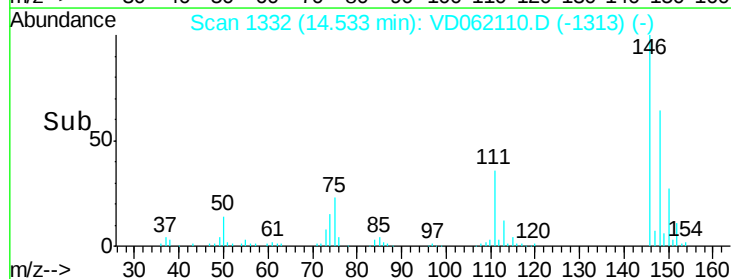
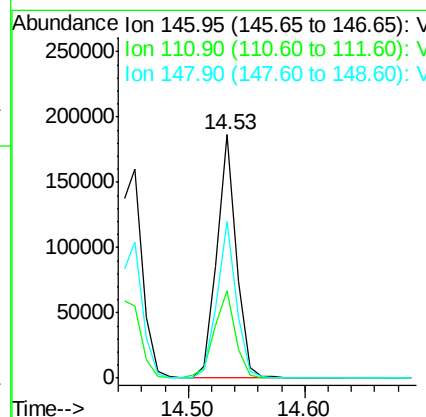
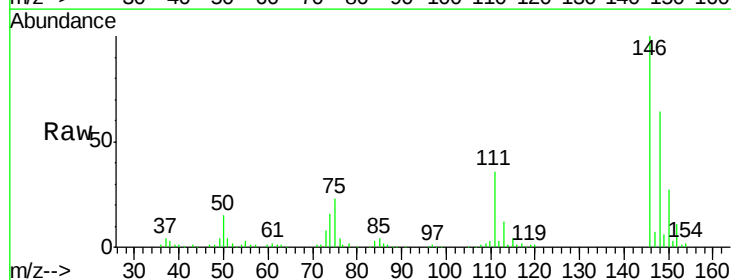
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

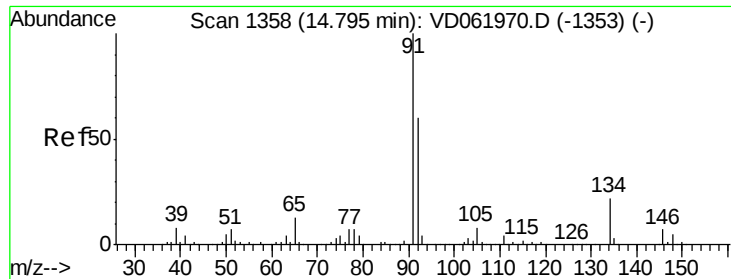
Tot Ion:146 Resp: 222009
 Ion Ratio Lower Upper
 146 100
 111 34.7 20.0 60.0
 148 65.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.293 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Tgt Ion:146 Resp: 216572
 Ion Ratio Lower Upper
 146 100
 111 35.7 20.2 60.5
 148 64.4 32.0 96.2

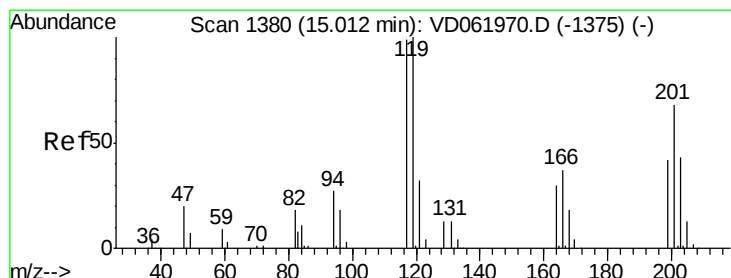
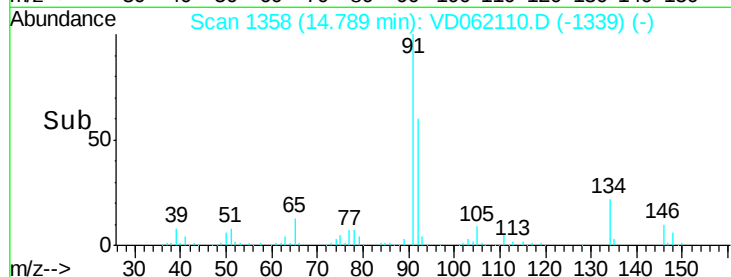
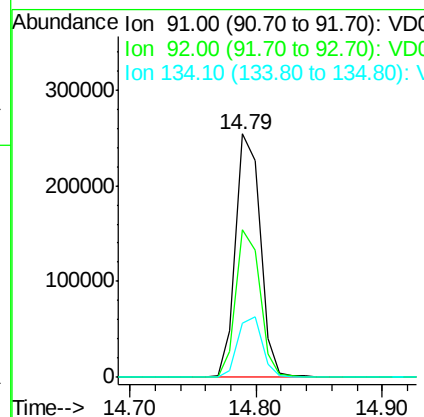
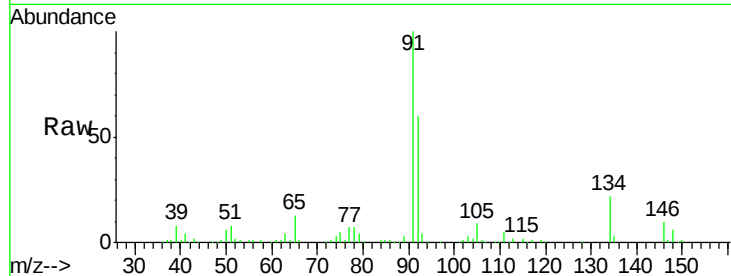




#89
n-Butylbenzene
Concen: 17.872 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

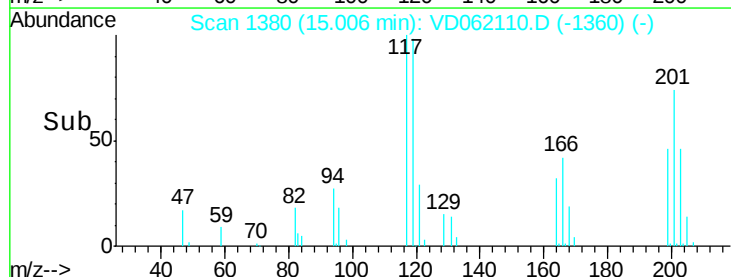
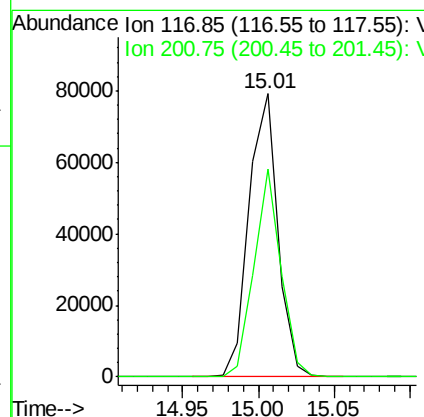
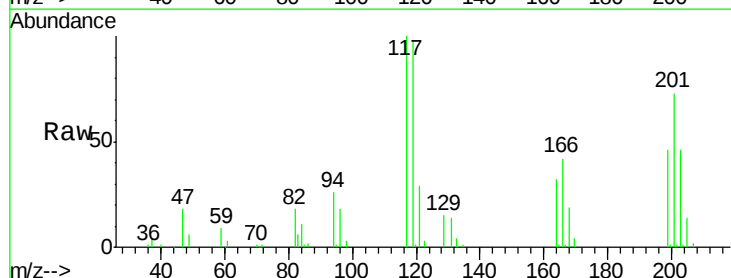
Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS01

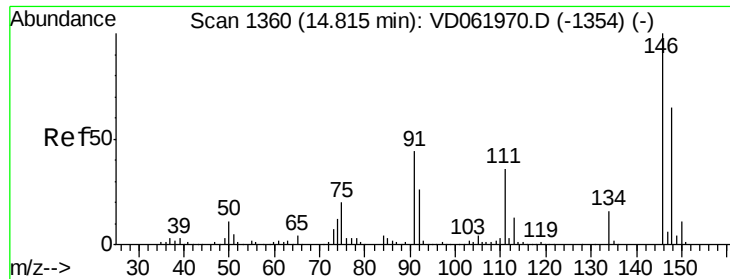
Tot Ion: 91 Resp: 342457
Ion Ratio Lower Upper
91 100
92 60.4 30.3 91.0
134 22.4 14.5 43.6



#90
Hexachloroethane
Concen: 18.175 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Tgt Ion: 117 Resp: 104893
Ion Ratio Lower Upper
117 100
201 73.4 30.2 90.6

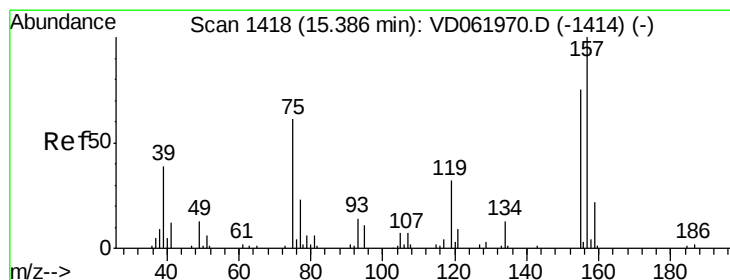
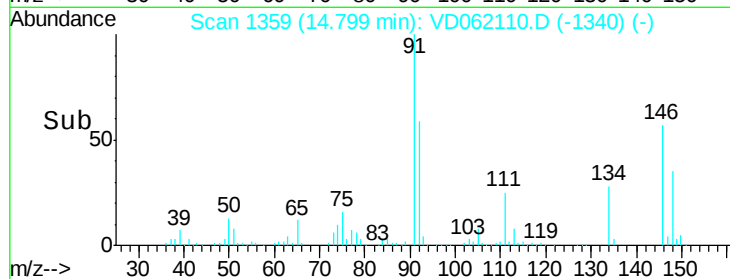
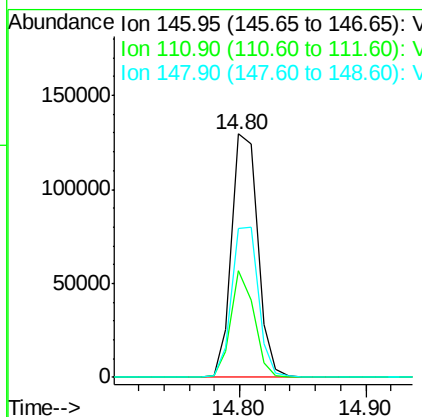
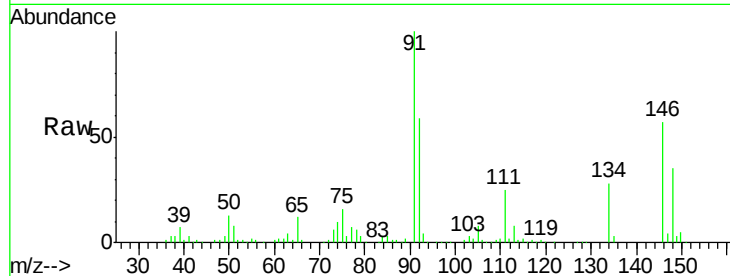




#91
 1,2-Dichlorobenzene
 Concen: 18.735 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

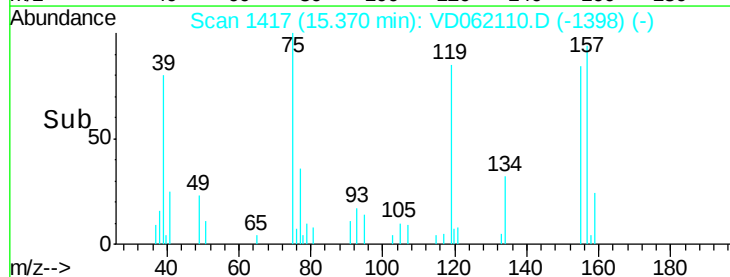
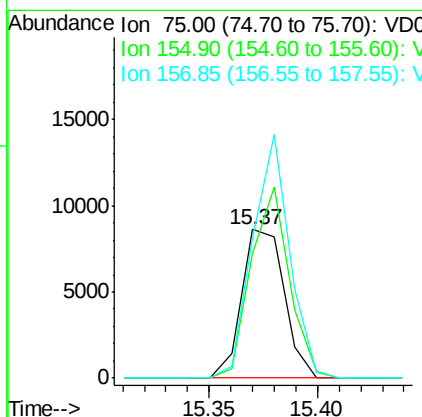
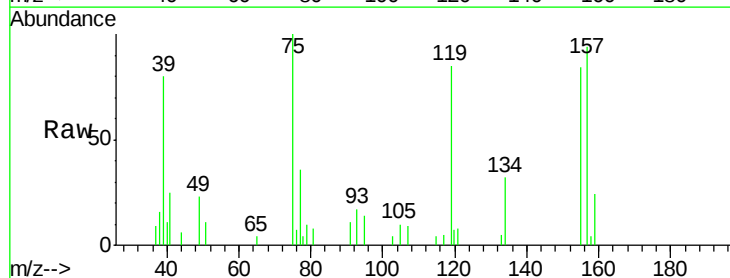
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

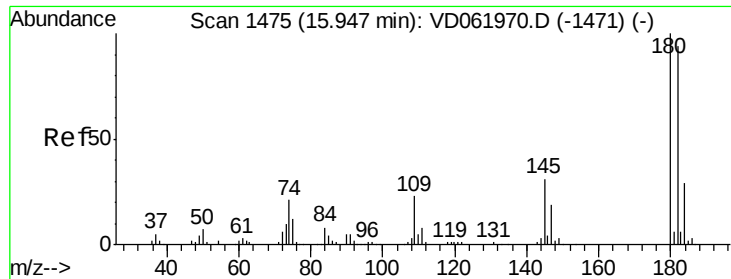
Tot Ion:146 Resp: 185505
 Ion Ratio Lower Upper
 146 100
 111 43.6 20.0 59.9
 148 61.3 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.877 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Tgt Ion: 75 Resp: 11860
 Ion Ratio Lower Upper
 75 100
 155 83.9 55.3 165.8
 157 94.1 67.8 203.2

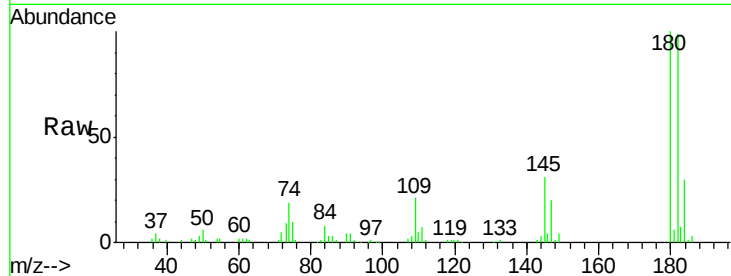




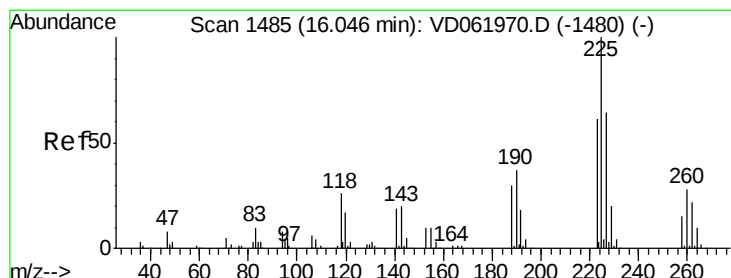
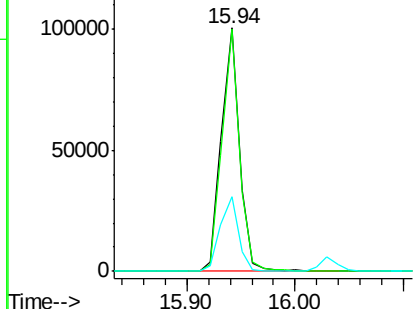
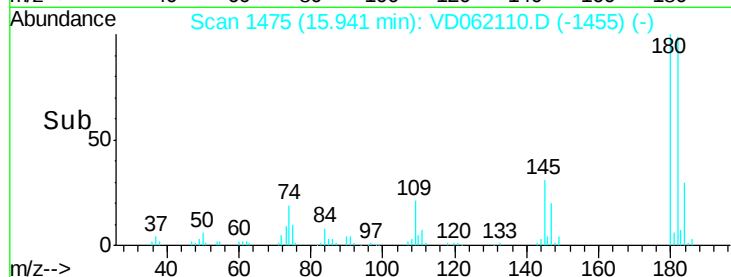
#93
 1,2,4-Trichlorobenzene
 Concen: 21.898 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS01

Tot Ion:180 Resp: 116989
 Ion Ratio Lower Upper
 180 100
 182 99.4 49.3 147.8
 145 30.8 16.2 48.6

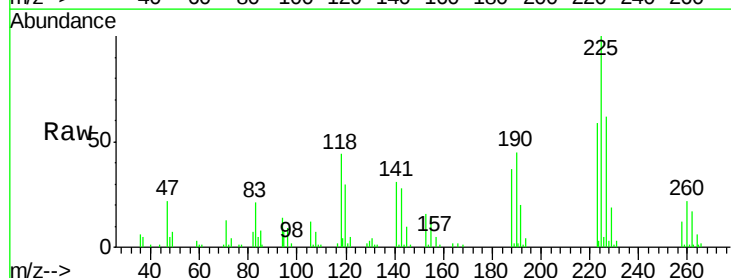


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

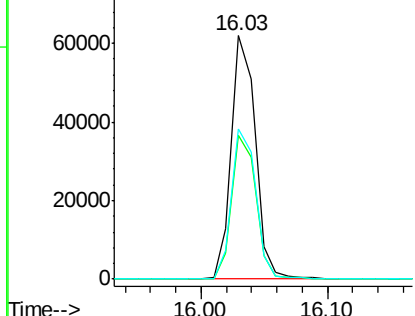
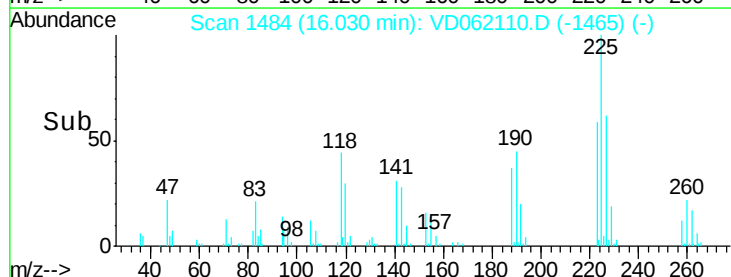


#94
 Hexachlorobutadiene
 Concen: 20.569 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062110.D
 Acq: 2 May 2019 14:36

Tgt Ion:225 Resp: 81322
 Ion Ratio Lower Upper
 225 100
 223 59.0 30.6 92.0
 227 61.7 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

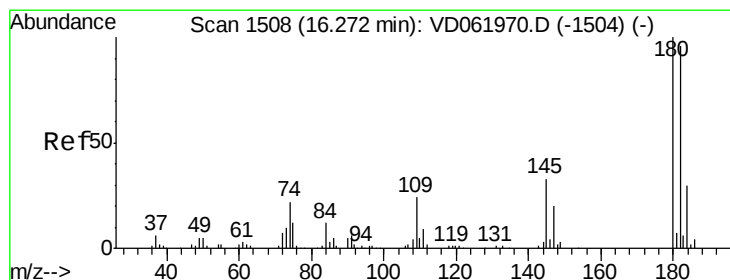
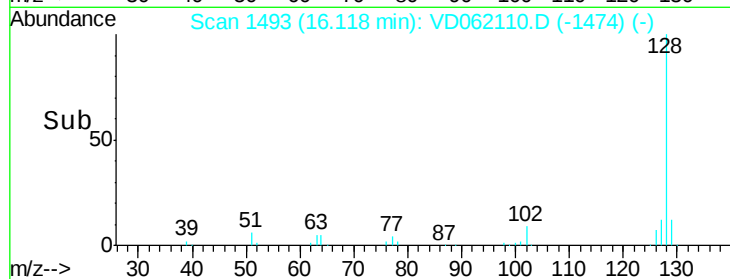
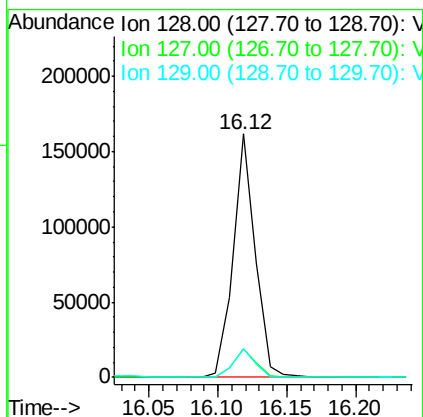
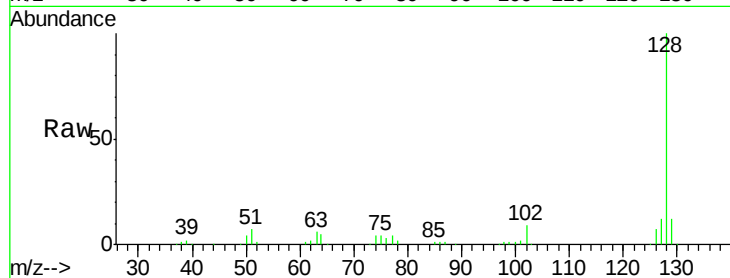




#95
Naphthalene
Concen: 20.917 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS01

Tot Ion:128 Resp: 180424
Ion Ratio Lower Upper
128 100
127 11.6 9.8 14.8
129 11.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 24.511 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062110.D
Acq: 2 May 2019 14:36

Tgt Ion:180 Resp: 74298
Ion Ratio Lower Upper
180 100
182 96.2 47.0 141.0
145 32.4 17.0 51.0

