

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
 Data File : VD062113.D
 Acq On : 2 May 2019 16:03
 Operator : FY/SY
 Sample : VD0502SBSD02
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 03 01:09:57 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	509395	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	830262	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	659423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	343385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	210084	52.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.38%	
35) Dibromofluoromethane	6.90	113	317222	55.25	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	110.50%	
50) Toluene-d8	10.40	98	675057	49.41	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	13.55	95	285500	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	76574	16.835	ug/l	99
3) Chloromethane	1.74	50	68285	17.663	ug/l	96
4) Vinyl Chloride	1.83	62	62616	17.870	ug/l	97
5) Bromomethane	2.14	94	17265	16.170	ug/l	97
6) Chloroethane	2.24	64	23297	18.393	ug/l	98
7) Trichlorofluoromethane	2.51	101	112656	21.264	ug/l	96
8) Diethyl Ether	2.86	74	29398	20.704	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	104665	21.446	ug/l	92
10) Methyl Iodide	3.29	142	125123	20.430	ug/l	97
11) Tert butyl alcohol	4.06	59	29005	128.764	ug/l #	91
12) 1,1-Dichloroethene	3.10	96	82066	19.765	ug/l	93
13) Acrolein	3.02	56	19915	85.209	ug/l	94
14) Allyl chloride	3.60	41	131679	23.225	ug/l	99
15) Acrylonitrile	4.18	53	81753	117.206	ug/l	98
16) Acetone	3.20	43	124404	130.686	ug/l	94
17) Carbon Disulfide	3.36	76	230550	19.215	ug/l	99
18) Methyl Acetate	3.63	43	48425	27.057	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	190321	23.102	ug/l	99
20) Methylene Chloride	3.79	84	110571	22.079	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	100801	21.162	ug/l	98
22) Diisopropyl ether	5.09	45	289690	21.885	ug/l	98
23) Vinyl Acetate	5.03	43	757029	109.818	ug/l	100
24) 1,1-Dichloroethane	4.96	63	167297	20.910	ug/l	98
25) 2-Butanone	6.05	43	127109	110.132	ug/l	97
26) 2,2-Dichloropropane	6.00	77	154911	22.194	ug/l	97
27) cis-1,2-Dichloroethene	6.02	96	112718	20.802	ug/l	98
28) Bromochloromethane	6.41	49	75845	24.776	ug/l	91
29) Tetrahydrofuran	6.44	42	68342	120.177	ug/l	96
30) Chloroform	6.65	83	186984	20.576	ug/l	97
31) Cyclohexane	6.93	56	124654	20.991	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	167409	21.173	ug/l	97
36) 1,1-Dichloropropene	7.13	75	138126	21.353	ug/l	99
37) Ethyl Acetate	6.16	43	64871	23.534	ug/l #	95
38) Carbon Tetrachloride	7.09	117	169122	20.633	ug/l	99

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 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 03 01:09:57 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)
39) Methylcyclohexane	8.85	83	134139	21.018	ug/l	98
40) Benzene	7.44	78	320587	20.019	ug/l	99
41) Methacrylonitrile	6.42	41	77389	24.062	ug/l #	94
42) 1,2-Dichloroethane	7.56	62	117264	21.566	ug/l	98
43) Isopropyl Acetate	9.23	43	79468	19.731	ug/l	100
44) Trichloroethene	8.53	130	131599	21.197	ug/l	99
45) 1,2-Dichloropropane	8.92	63	86439	21.277	ug/l	95
46) Dibromomethane	9.04	93	60832	20.809	ug/l	94
47) Bromodichloromethane	9.37	83	149052	21.579	ug/l	99
48) Methyl methacrylate	9.10	41	51064	22.221	ug/l	88
49) 1,4-Dioxane	9.06	88	13331	538.078	ug/l #	88
51) 4-Methyl-2-Pentanone	10.28	43	269532	109.426	ug/l	99
52) Toluene	10.50	92	209719	20.539	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	124813	21.528	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	152362	21.607	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	72096	21.031	ug/l	92
56) Ethyl methacrylate	11.03	69	80868	21.300	ug/l	97
57) 1,3-Dichloropropane	11.39	76	112292	21.209	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	238282	134.991	ug/l	97
59) 2-Hexanone	11.52	43	226214	122.429	ug/l	98
60) Dibromochloromethane	11.68	129	121807	21.475	ug/l	97
61) 1,2-Dibromoethane	11.80	107	87878	21.610	ug/l	100
64) Tetrachloroethene	11.25	164	90156	19.166	ug/l	95
65) Chlorobenzene	12.39	112	268539	21.551	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	113637	21.499	ug/l	98
67) Ethyl Benzene	12.52	91	437162	21.495	ug/l	100
68) m/p-Xylenes	12.66	106	313317	42.624	ug/l	100
69) o-Xylene	13.04	106	152328	22.649	ug/l	93
70) Styrene	13.07	104	276875	23.841	ug/l	96
71) Bromoform	13.22	173	65939	21.882	ug/l #	98
73) Isopropylbenzene	13.39	105	395661	17.273	ug/l	99
74) N-amyl acetate	13.25	43	113586	19.255	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	85150	18.970	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	83602	19.173	ug/l	99
77) Bromobenzene	13.66	156	126306	19.222	ug/l	82
78) n-propylbenzene	13.77	91	522230	19.916	ug/l	99
79) 2-Chlorotoluene	13.84	91	298779	18.811	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	347197	19.009	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	26182	19.814	ug/l #	86
82) 4-Chlorotoluene	13.94	91	331779	18.968	ug/l	99
83) tert-Butylbenzene	14.18	119	406170	19.197	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	364976	20.928	ug/l	97
85) sec-Butylbenzene	14.36	105	378860	16.572	ug/l	98
86) p-Isopropyltoluene	14.48	119	396591	19.383	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	217483	18.900	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	207478	19.280	ug/l	95
89) n-Butylbenzene	14.79	91	347667	18.927	ug/l	95
90) Hexachloroethane	15.00	117	108035	19.527	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	172797	18.204	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	12625	20.670	ug/l	71

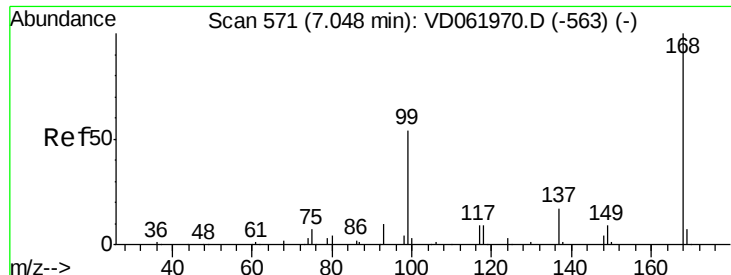
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
Data File : VD062113.D
Acq On : 2 May 2019 16:03
Operator : FY/SY
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ClientSampleId :

Quant Time: May 03 01:09:57 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)
93) 1,2,4-Trichlorobenzene	15.94	180	112568	21.979	ug/l	93
94) Hexachlorobutadiene	16.03	225	81106	21.399	ug/l	95
95) Naphthalene	16.12	128	164697	19.917	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	76874	26.455	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

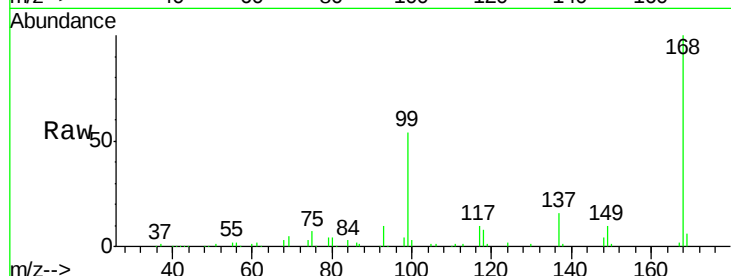
ClientSampleId :

Tot Ion:168 Resp: 509395

Ion Ratio Lower Upper

168 100

99 53.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

150000

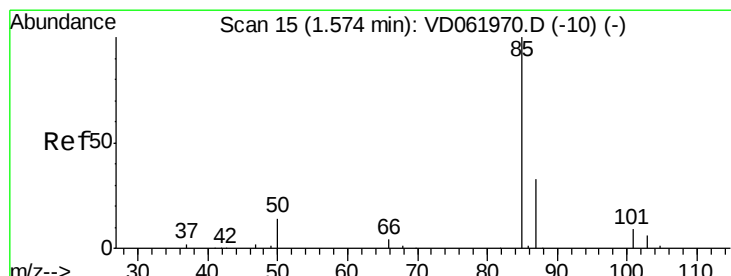
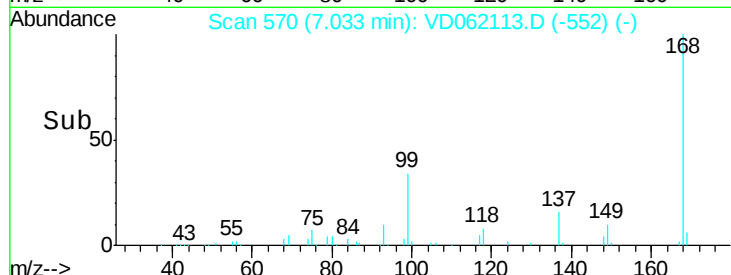
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 16.835 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.02 min

Lab File: VD062113.D

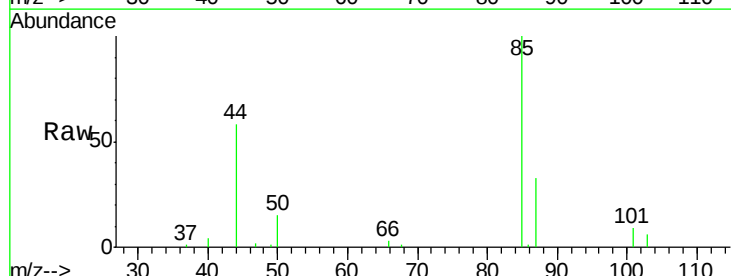
Acq: 2 May 2019 16:03

Tgt Ion: 85 Resp: 76574

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

40000

30000

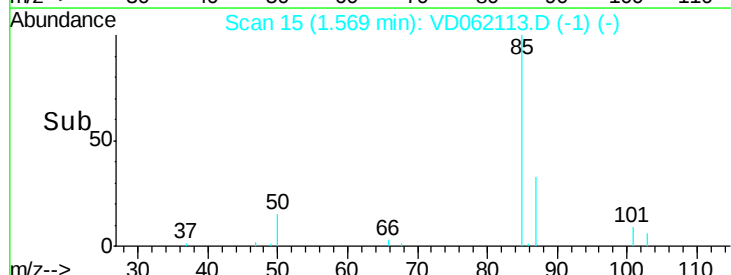
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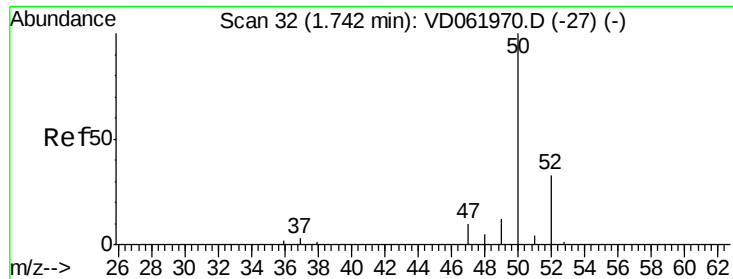
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 17.663 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

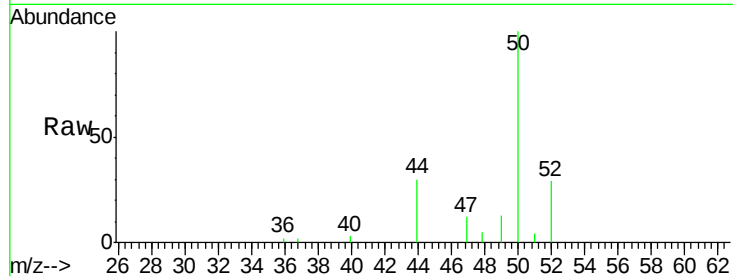
ClientSampled :

Tot Ion: 50 Resp: 68285

Ion Ratio Lower Upper

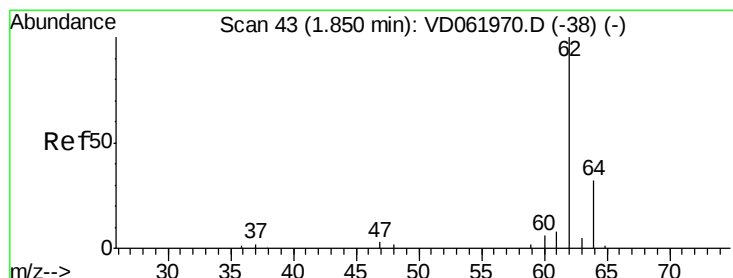
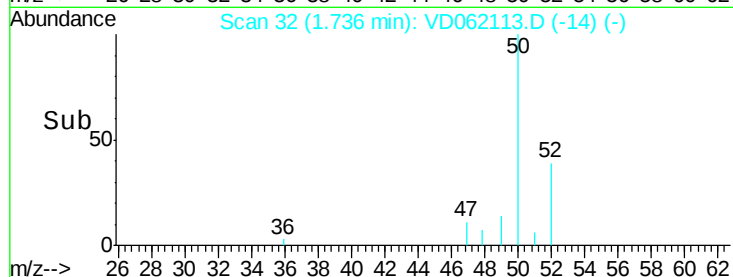
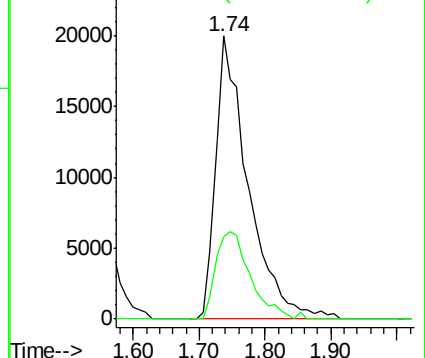
50 100

52 29.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.870 ug/l

RT: 1.83 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD062113.D

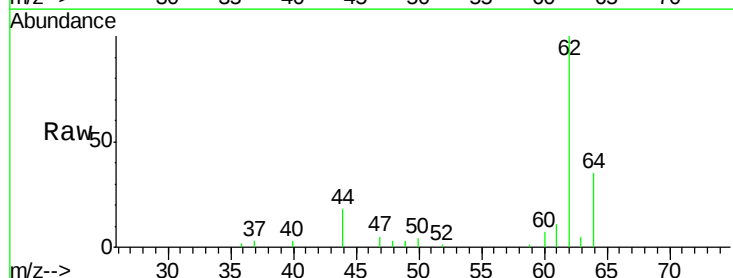
Acq: 2 May 2019 16:03

Tgt Ion: 62 Resp: 62616

Ion Ratio Lower Upper

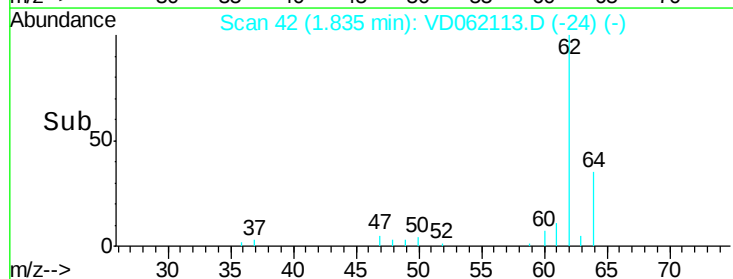
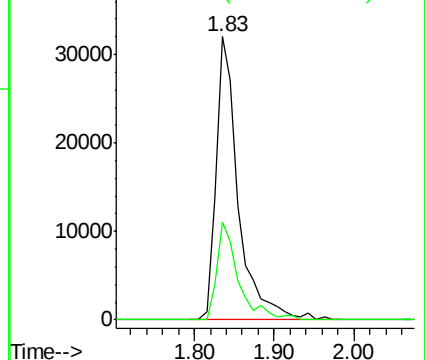
62 100

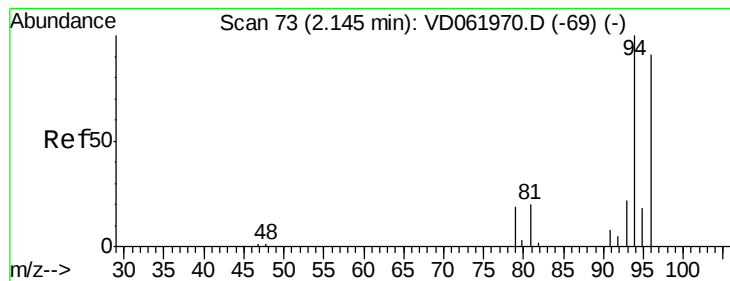
64 34.7 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.170 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampled :

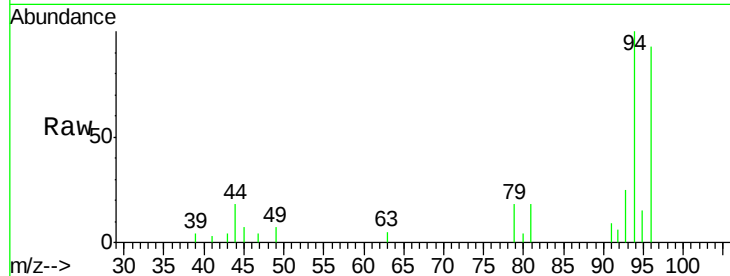
Tot Ion: 94 Resp: 17265

Ion Ratio Lower Upper

94 100

96 92.8 76.6 115.0

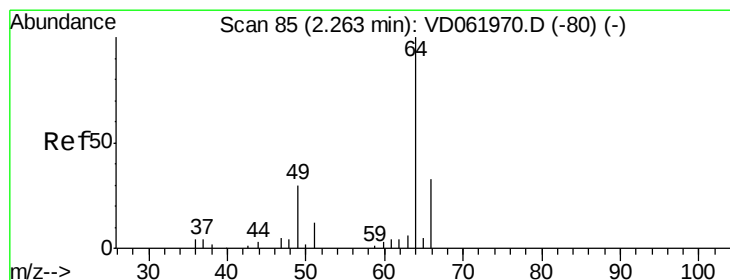
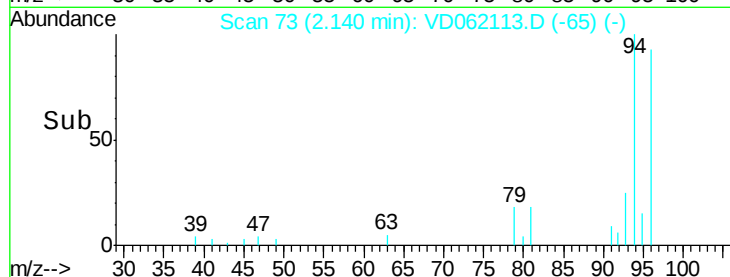
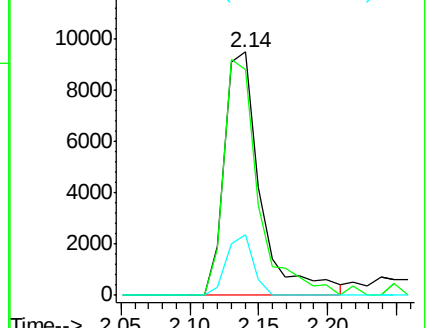
93 24.8 18.5 27.7



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: 18.393 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.04 min

Lab File: VD062113.D

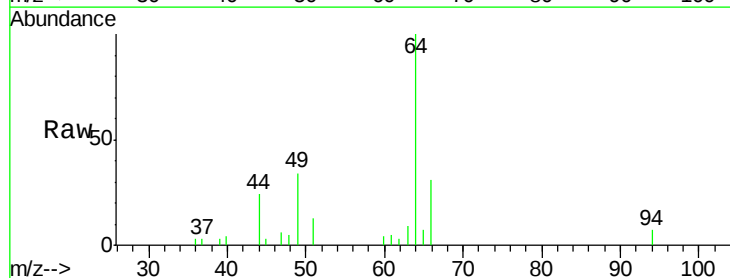
Acq: 2 May 2019 16:03

Tgt Ion: 64 Resp: 23297

Ion Ratio Lower Upper

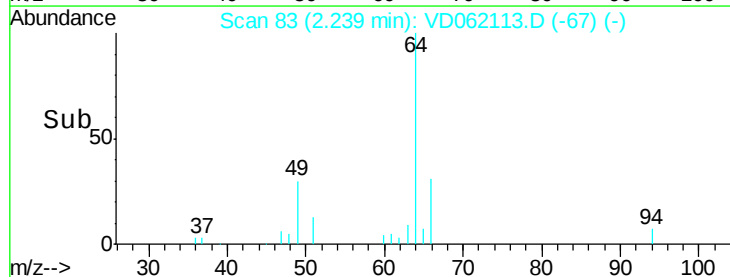
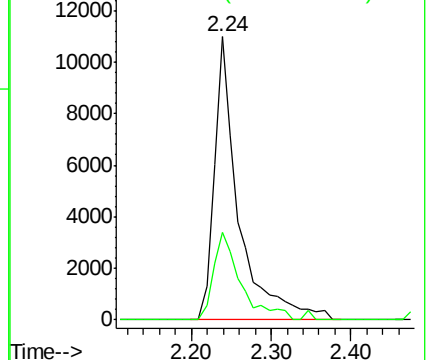
64 100

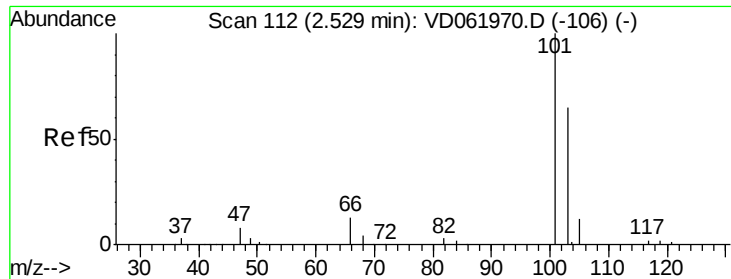
66 30.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



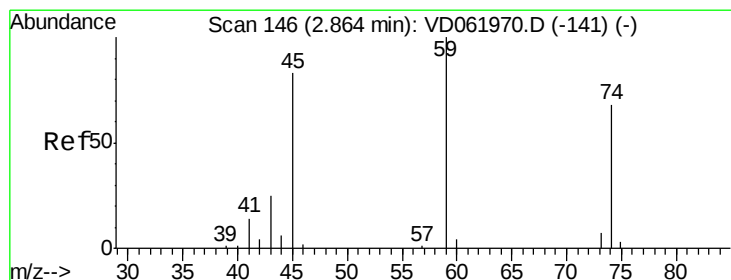
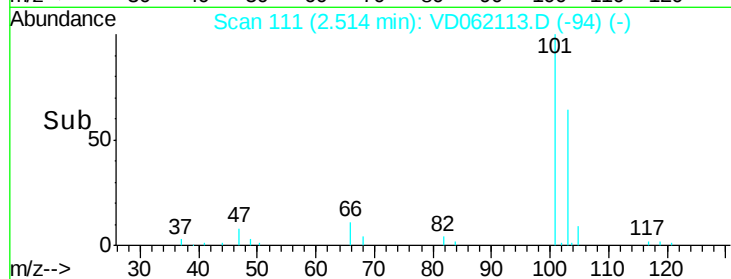
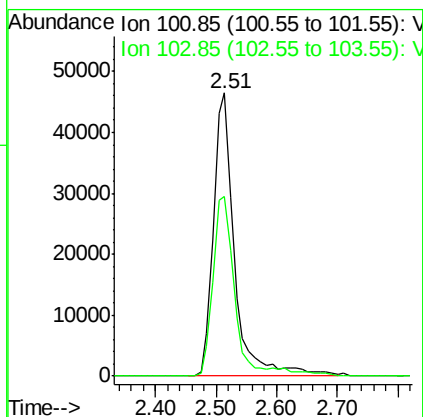
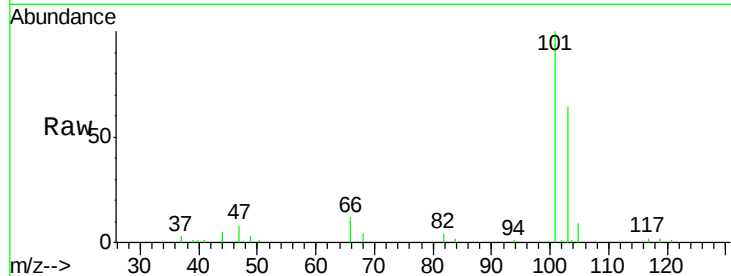


#7

Trichlorofluoromethane
 Concen: 21.264 ug/l
 RT: 2.51 min Scan# 111
 Delta R.T. -0.03 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleId :

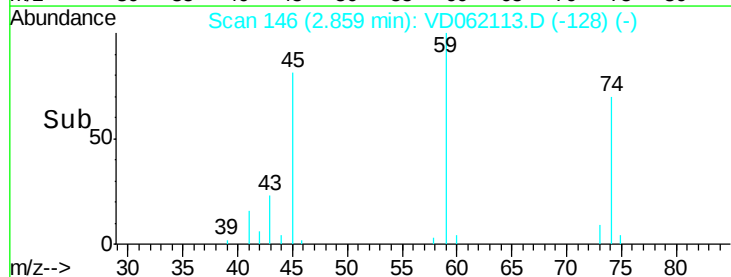
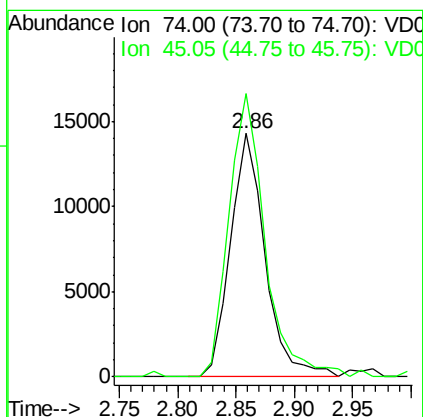
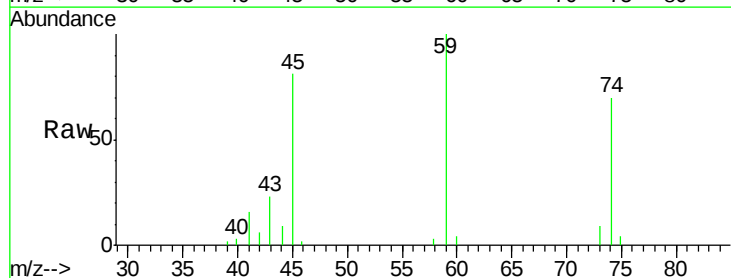
Tot Ion:101 Resp: 112656
 Ion Ratio Lower Upper
 101 100
 103 63.6 53.6 80.4

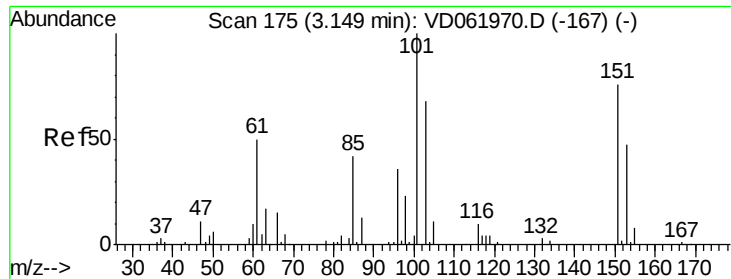


#8

Diethyl Ether
 Concen: 20.704 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Tgt Ion: 74 Resp: 29398
 Ion Ratio Lower Upper
 74 100
 45 116.4 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.446 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

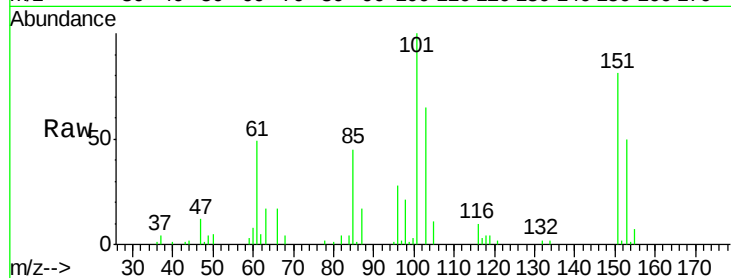
Tot Ion:101 Resp: 104665

Ion Ratio Lower Upper

101 100

85 45.3 32.4 48.6

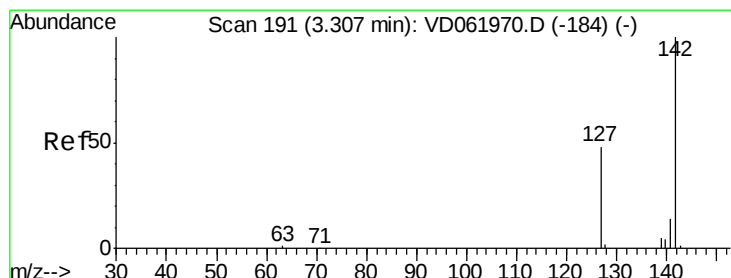
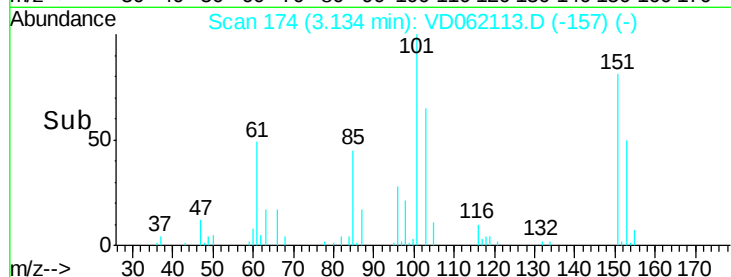
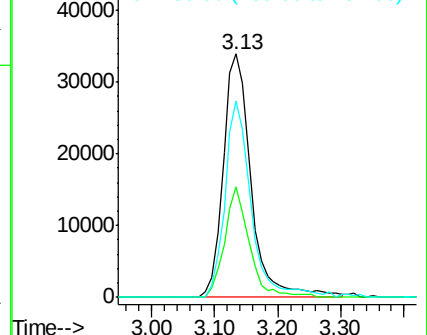
151 80.7 59.4 89.0



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: 20.430 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

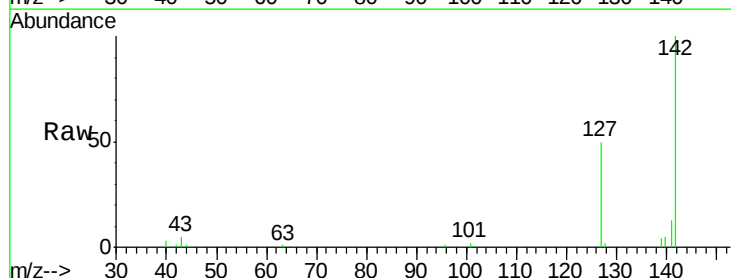
Tgt Ion:142 Resp: 125123

Ion Ratio Lower Upper

142 100

127 50.3 38.8 58.2

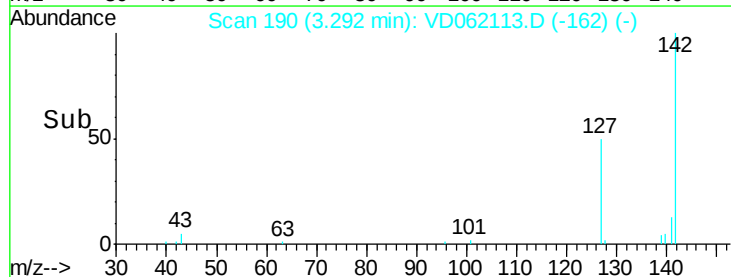
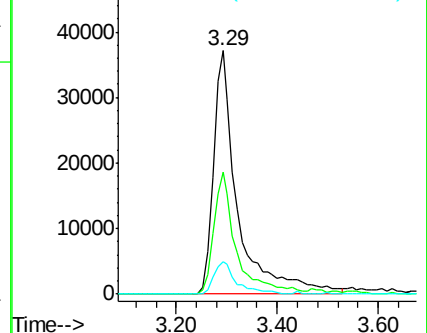
141 13.1 11.4 17.0

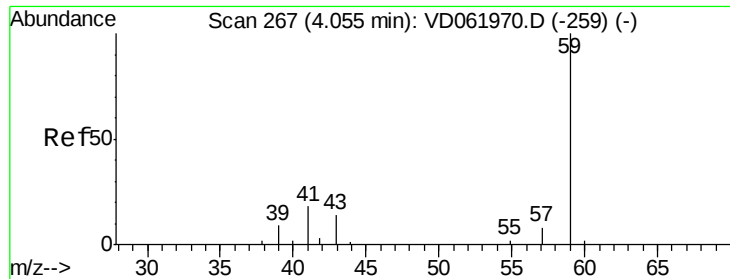


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



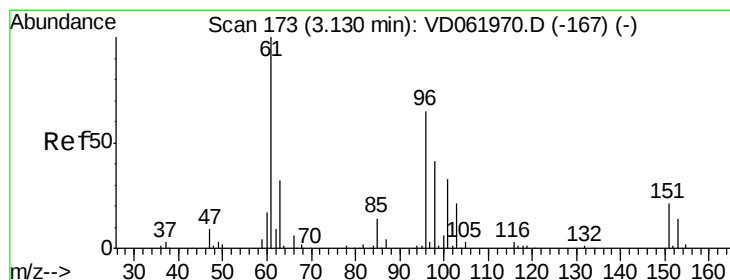
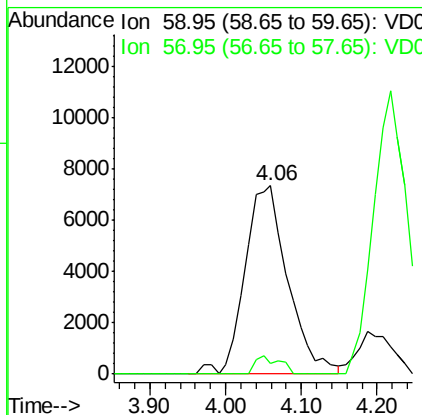
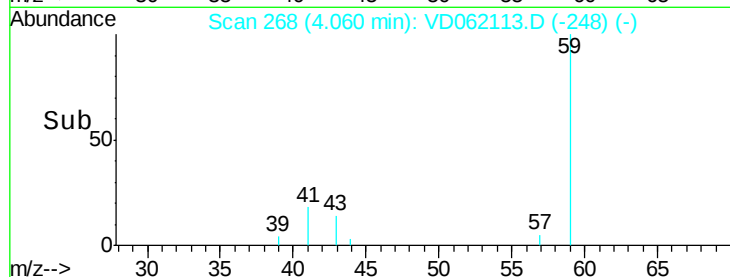
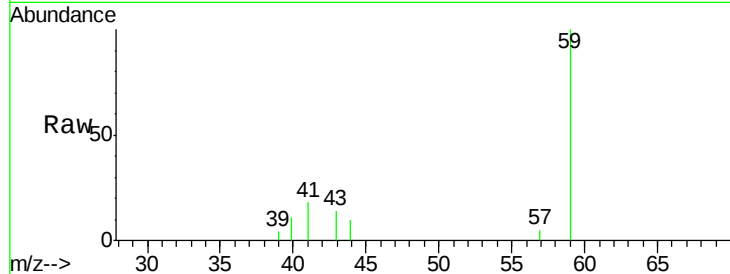


#11

Tert butyl alcohol
 Concen: 128.764 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Instrument :
 MSVOA_D
 ClientSampled :

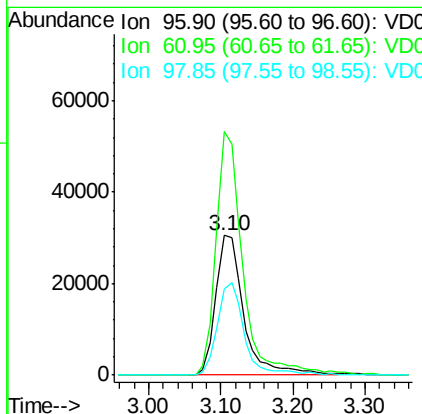
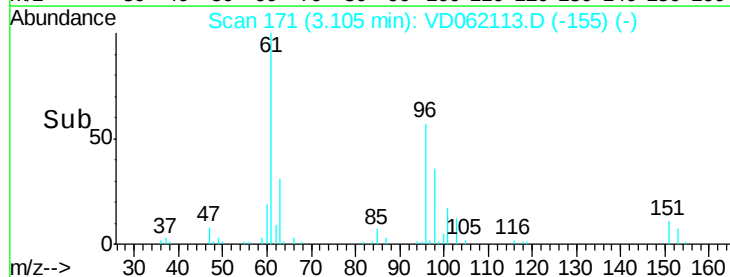
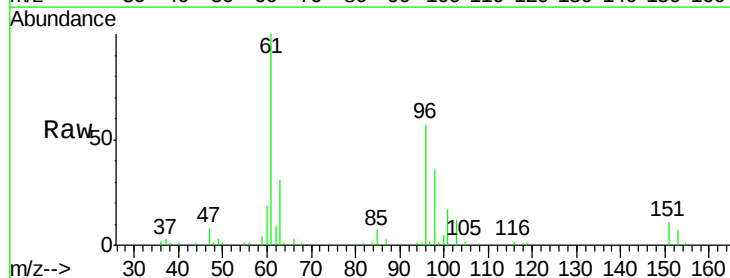
Tot Ion: 59 Resp: 29005
 Ion Ratio Lower Upper
 59 100
 57 5.4 6.9 10.3#

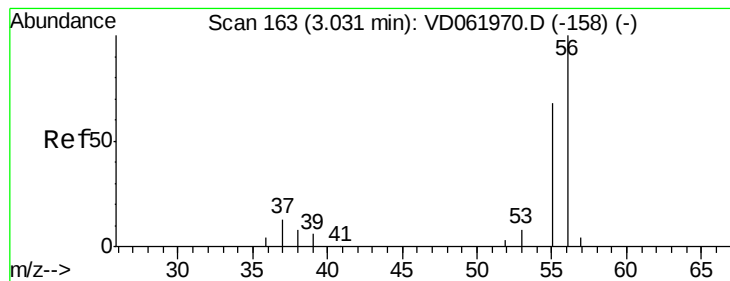


#12

1,1-Dichloroethene
 Concen: 19.765 ug/l
 RT: 3.10 min Scan# 171
 Delta R.T. -0.04 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Tgt Ion: 96 Resp: 82066
 Ion Ratio Lower Upper
 96 100
 61 174.3 129.8 194.8
 98 61.9 51.2 76.8





#13

Acrolein

Concen: 85.209 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

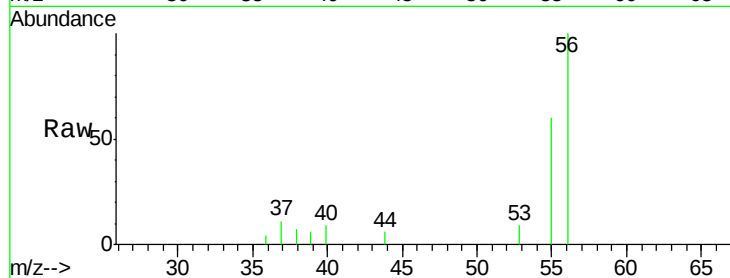
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 19915

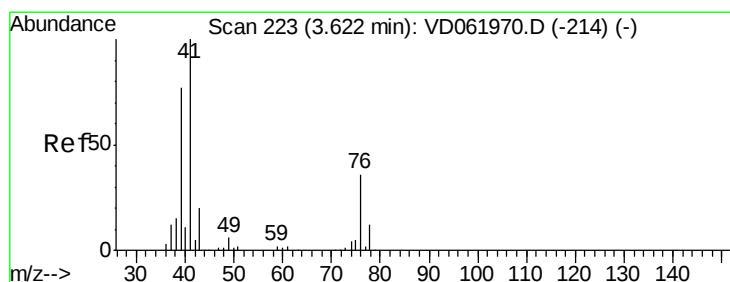
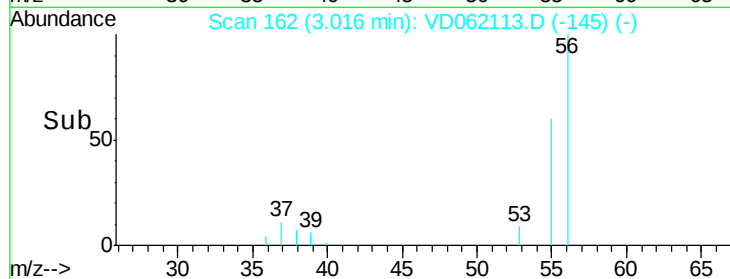
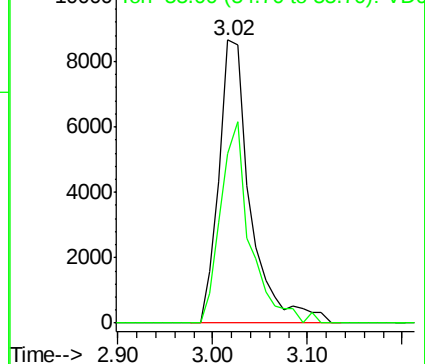
Ion Ratio Lower Upper

56 100

55 59.8 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: 23.225 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.04 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

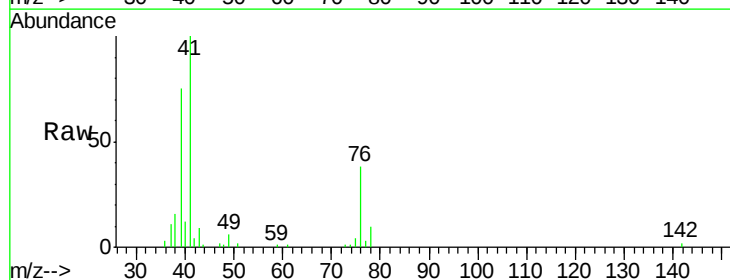
Tgt Ion: 41 Resp: 131679

Ion Ratio Lower Upper

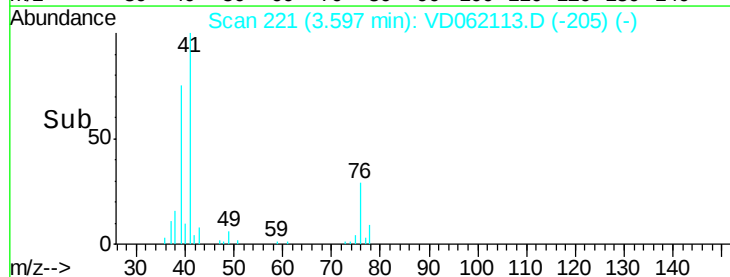
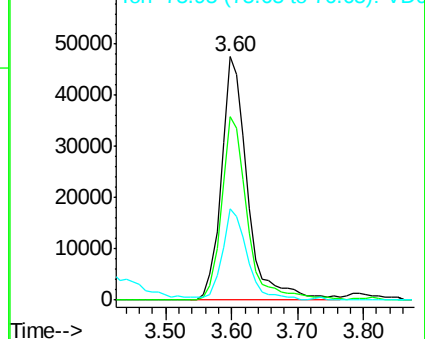
41 100

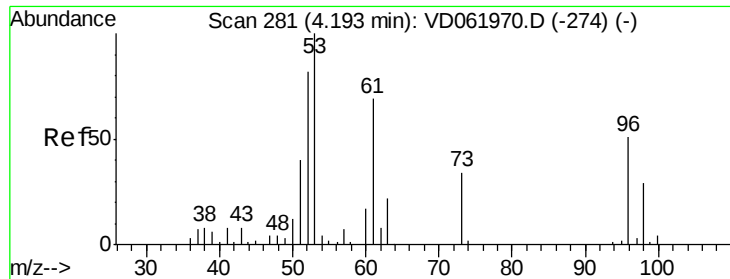
39 75.4 60.5 90.7

76 37.6 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: 117.206 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

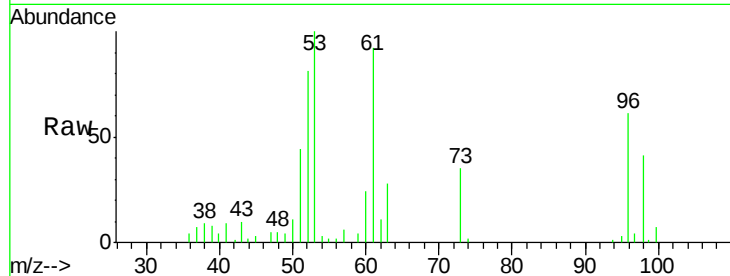
Tot Ion: 53 Resp: 81753

Ion Ratio Lower Upper

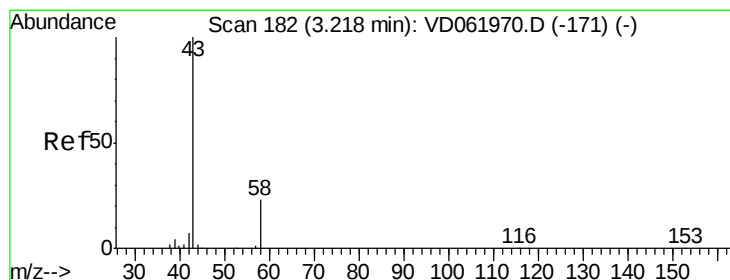
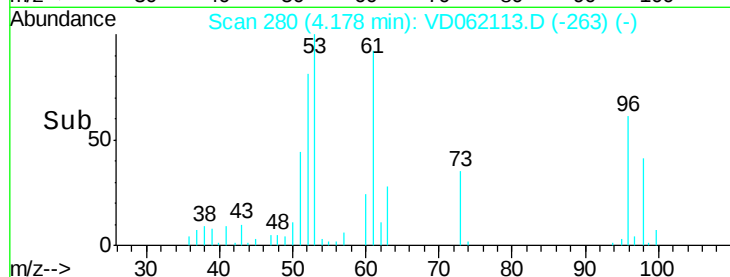
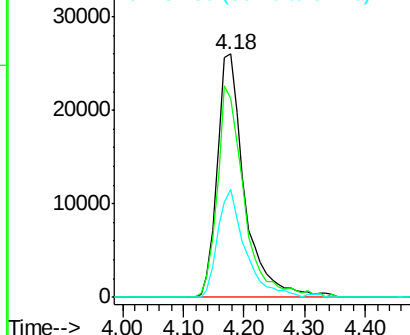
53 100

52 81.5 65.0 97.4

51 44.4 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: 130.686 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062113.D

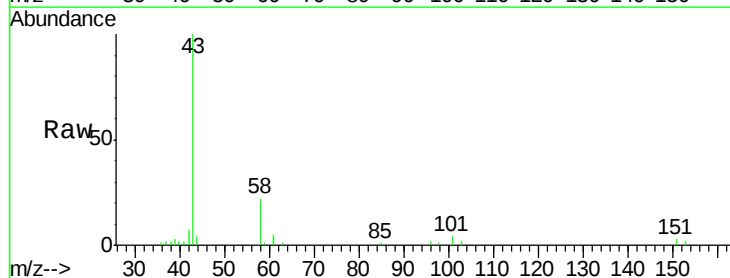
Acq: 2 May 2019 16:03

Tgt Ion: 43 Resp: 124404

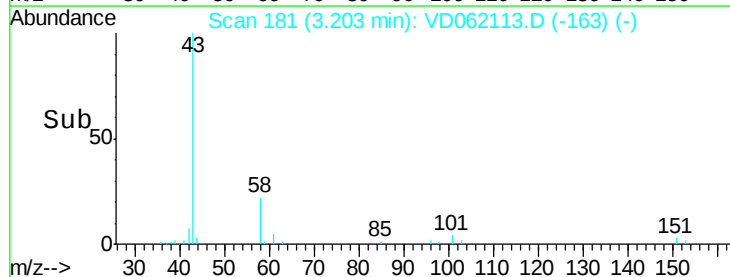
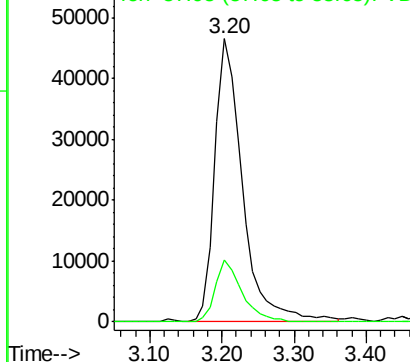
Ion Ratio Lower Upper

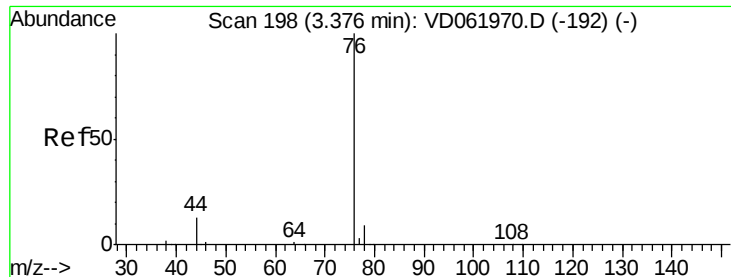
43 100

58 21.8 19.9 29.9



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

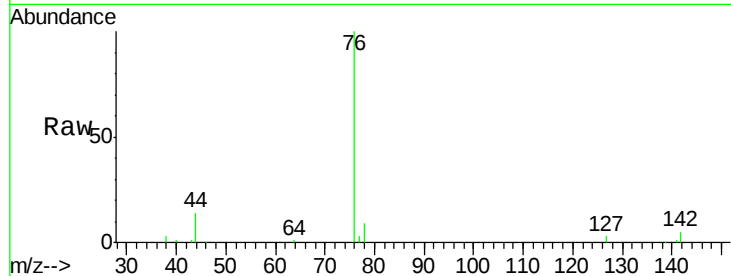




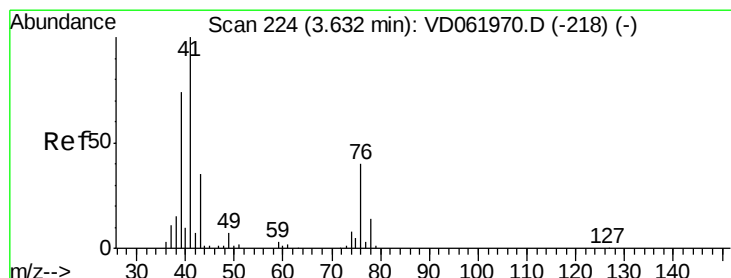
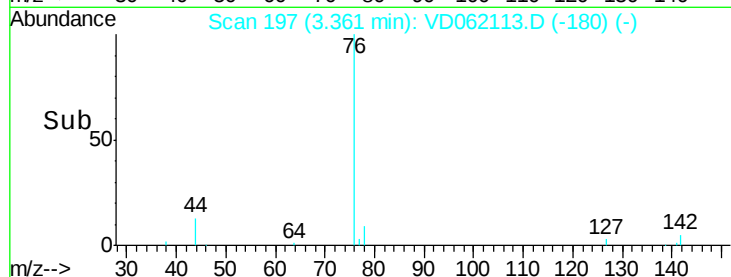
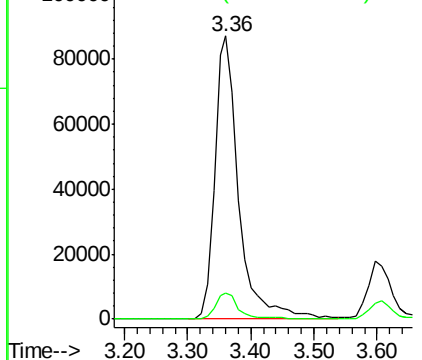
#17
Carbon Disulfide
Concen: 19.215 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 230550
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

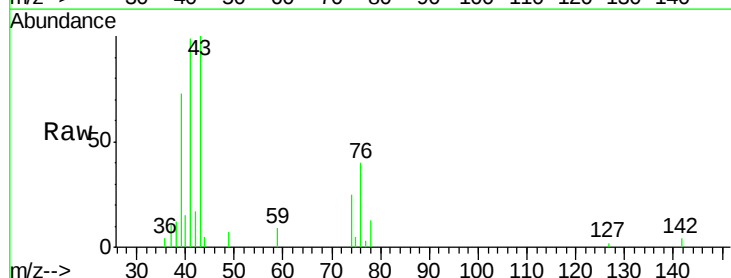


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

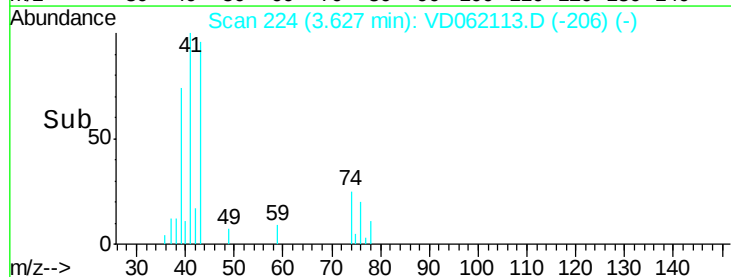
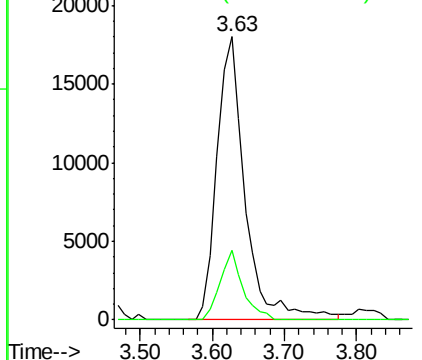


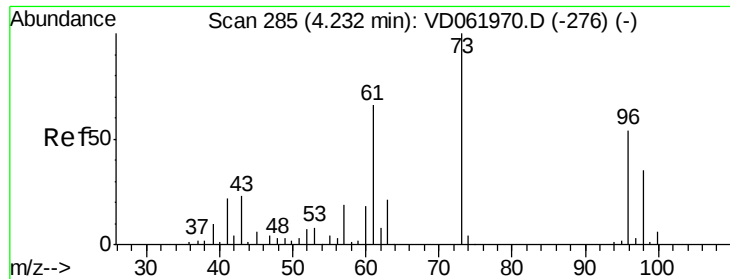
#18
Methyl Acetate
Concen: 27.057 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion: 43 Resp: 48425
Ion Ratio Lower Upper
43 100
74 24.5 18.0 27.0



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

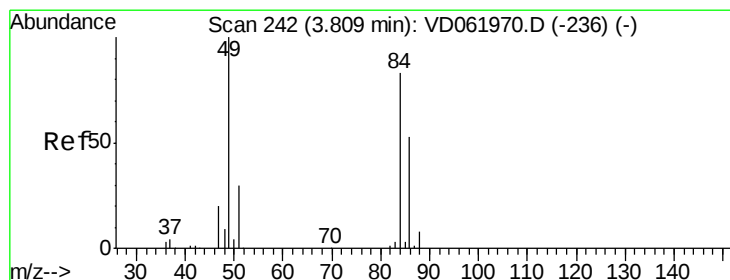
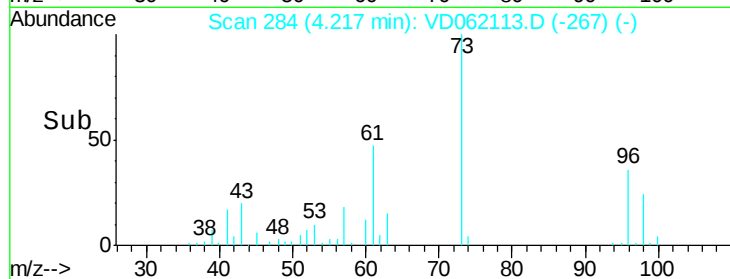
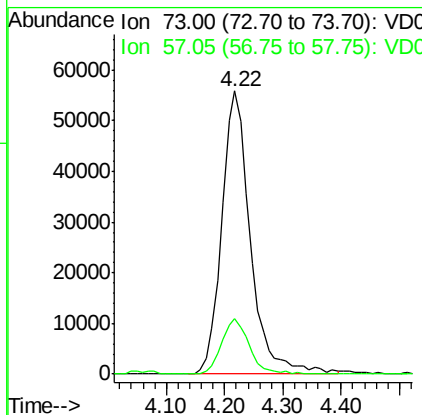
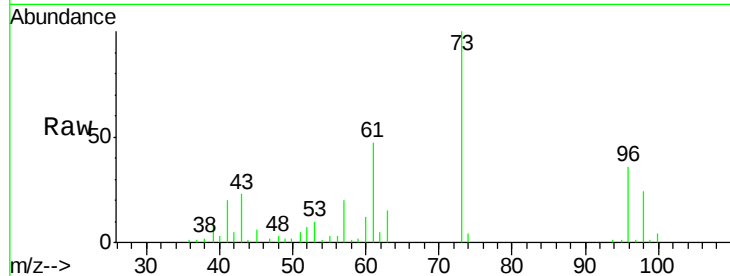




#19
Methyl tert-butyl Ether
Concen: 23.102 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

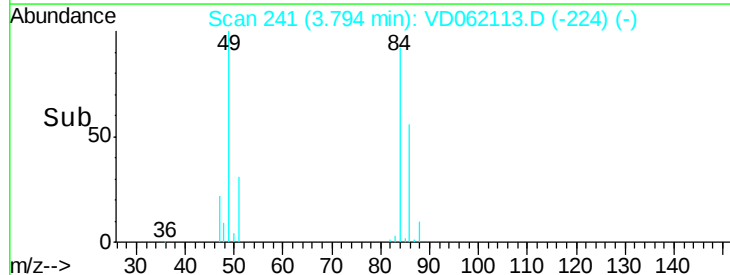
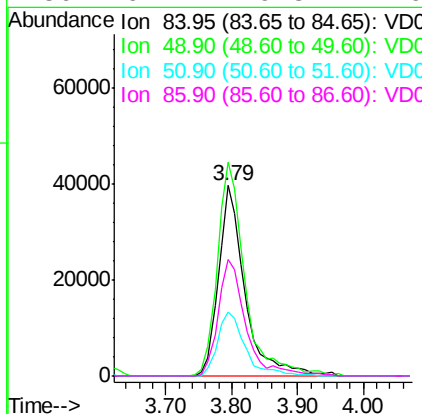
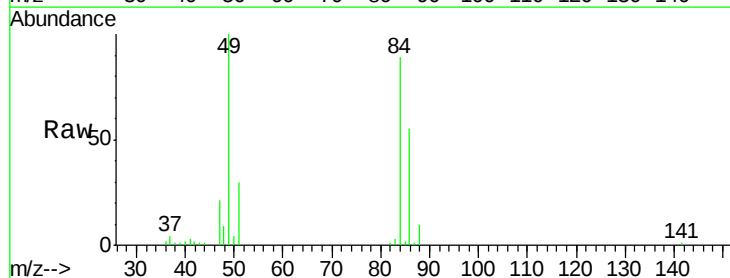
Instrument :
MSVOA_D
ClientSampleId :

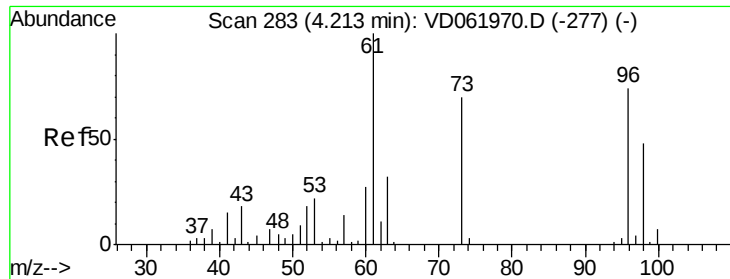
Tot Ion: 73 Resp: 190321
Ion Ratio Lower Upper
73 100
57 19.8 16.3 24.5



#20
Methylene Chloride
Concen: 22.079 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion: 84 Resp: 110571
Ion Ratio Lower Upper
84 100
49 112.0 94.0 141.0
51 33.5 29.0 43.4
86 61.4 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 21.162 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

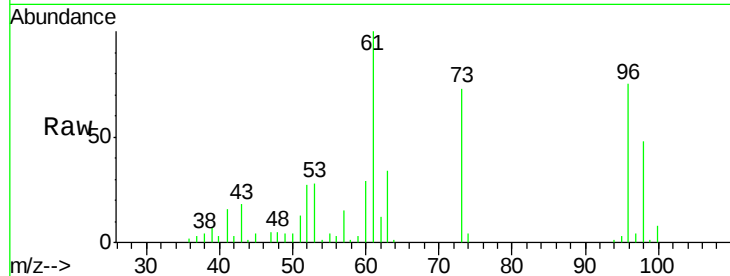
Tot Ion: 96 Resp: 100801

Ion Ratio Lower Upper

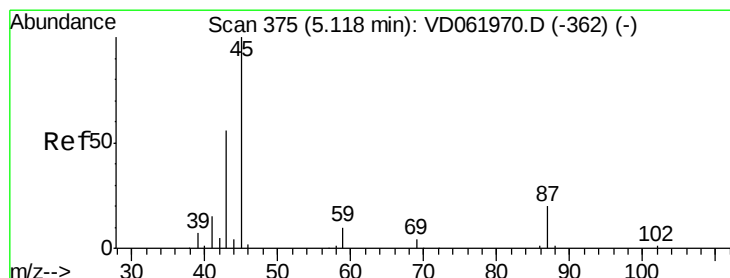
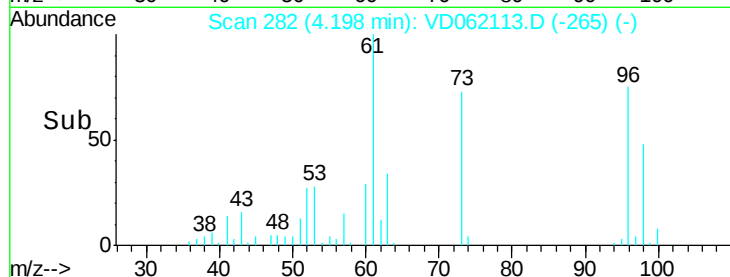
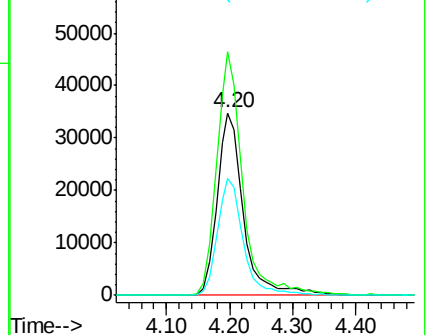
96 100

61 133.3 104.4 156.6

98 63.9 51.8 77.8



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



#22

Diisopropyl ether

Concen: 21.885 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Tgt Ion: 45 Resp: 289690

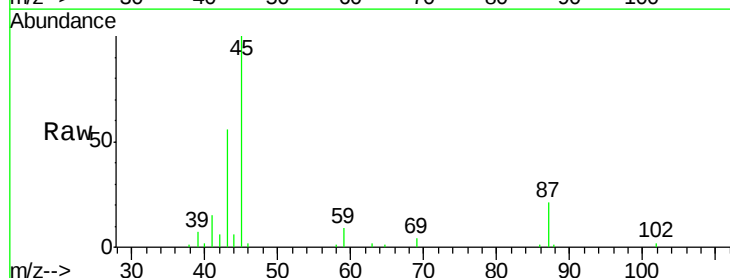
Ion Ratio Lower Upper

45 100

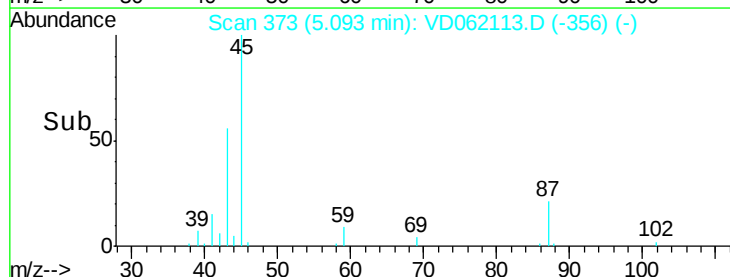
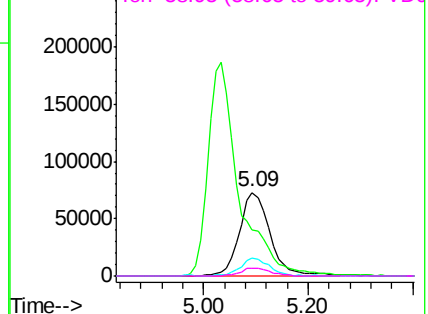
43 55.8 46.2 69.2

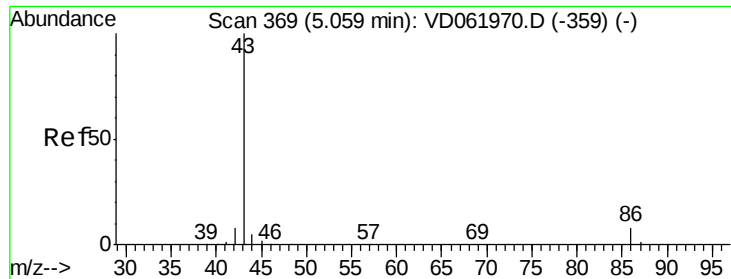
87 20.7 15.9 23.9

59 9.5 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 109.818 ug/l

RT: 5.03 min Scan# 367

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

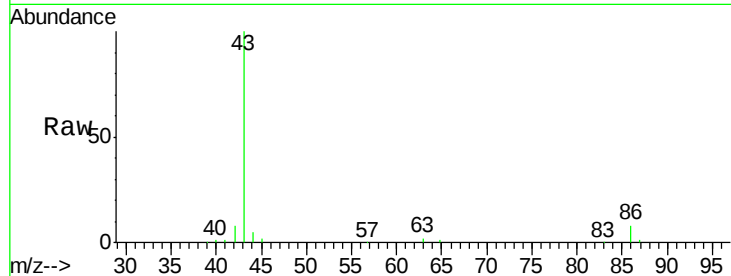
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 757029

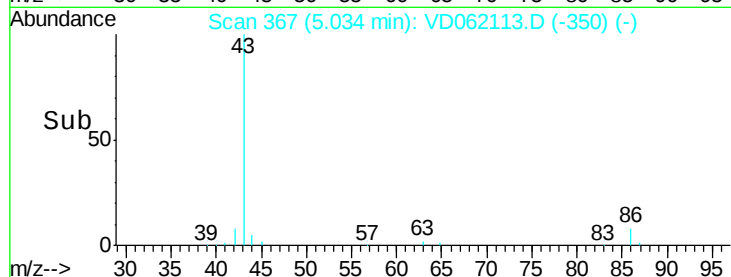
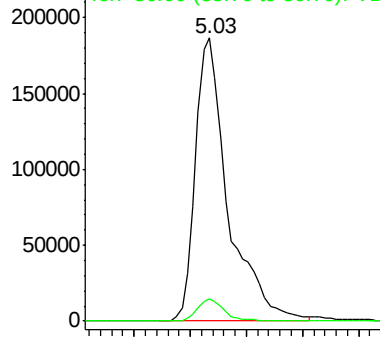
Ion Ratio Lower Upper

43 100

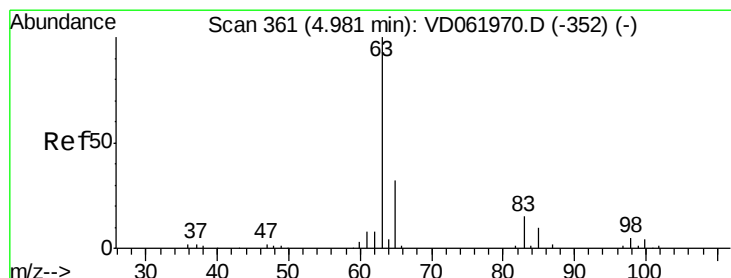
86 7.9 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 20.910 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.04 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

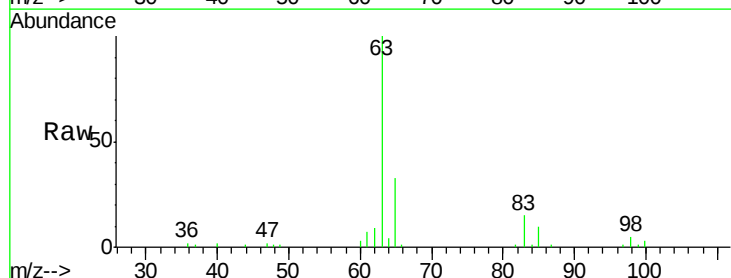
Tgt Ion: 63 Resp: 167297

Ion Ratio Lower Upper

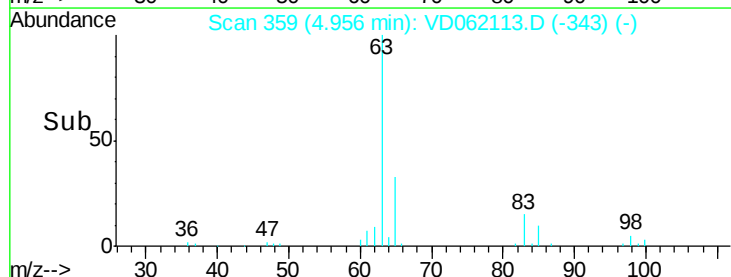
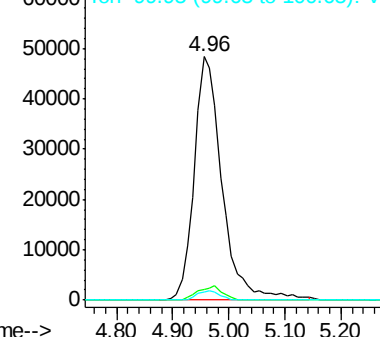
63 100

98 4.5 2.8 8.4

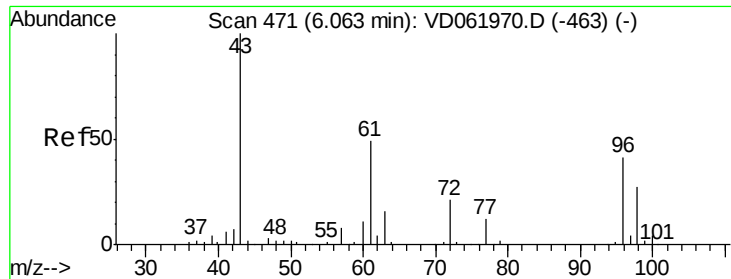
100 3.3 1.8 5.5



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



Time-->



#25

2-Butanone

Concen: 110.132 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

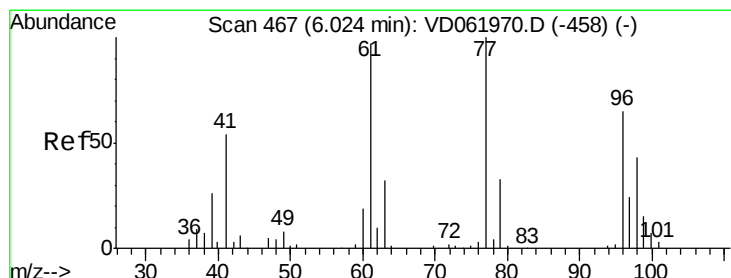
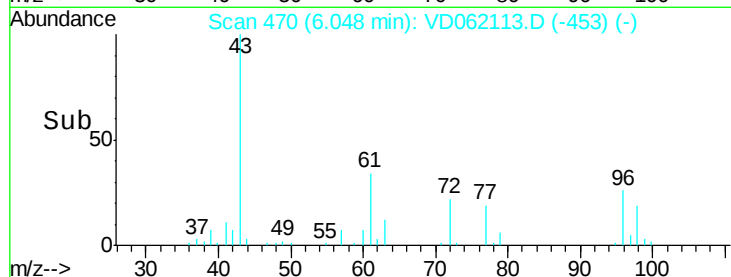
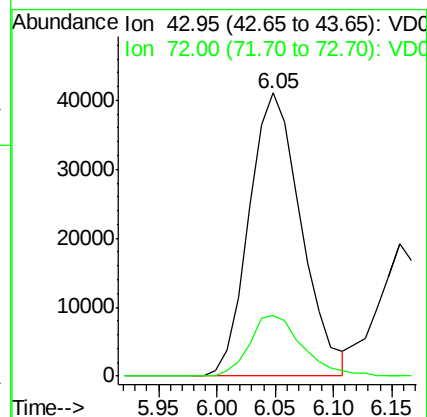
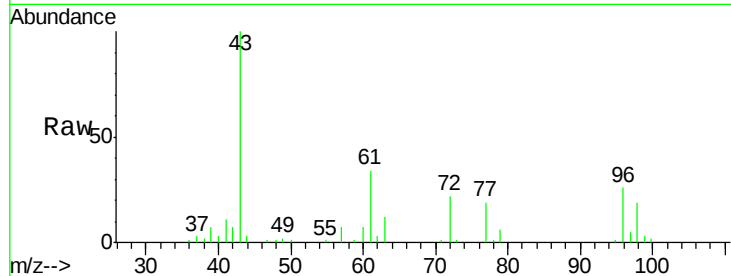
ClientSampleId :

Tot Ion: 43 Resp: 127109

Ion Ratio Lower Upper

43 100

72 21.6 16.2 24.4



#26

2,2-Dichloropropane

Concen: 22.194 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.03 min

Lab File: VD062113.D

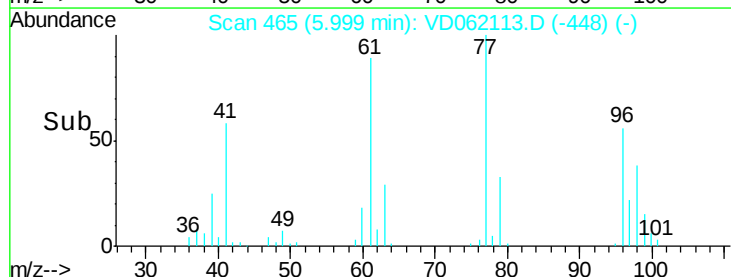
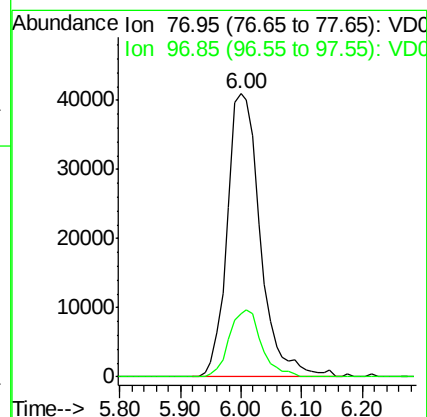
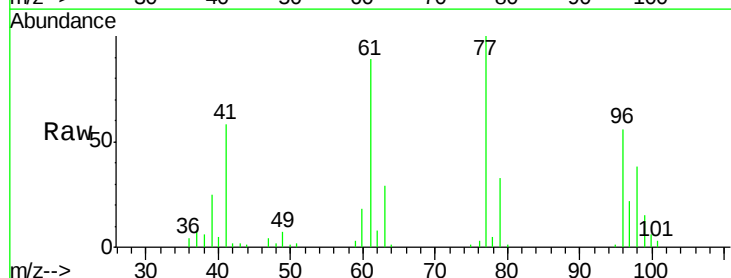
Acq: 2 May 2019 16:03

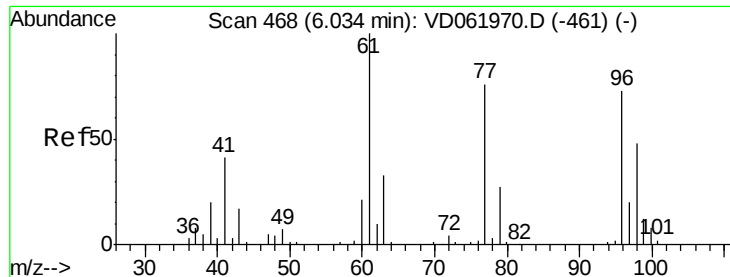
Tgt Ion: 77 Resp: 154911

Ion Ratio Lower Upper

77 100

97 22.2 11.9 35.9



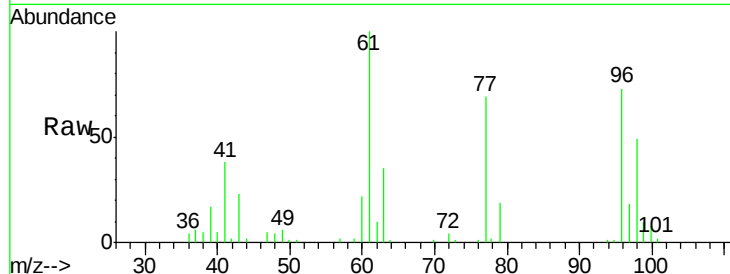


#27

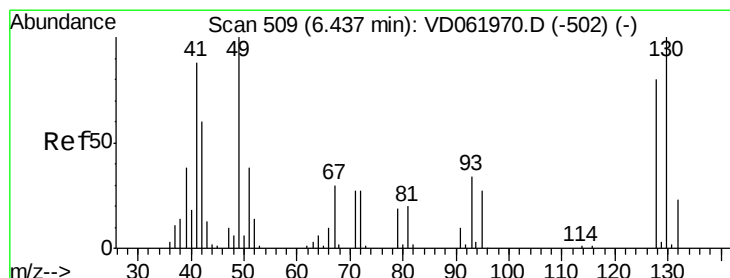
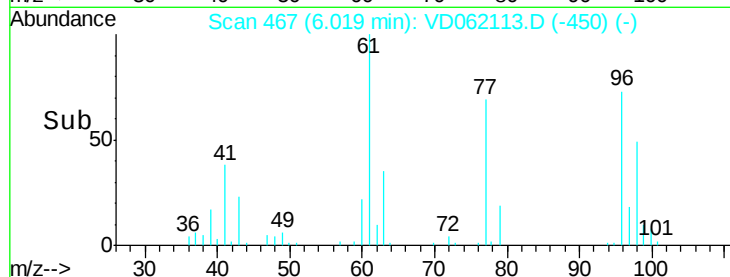
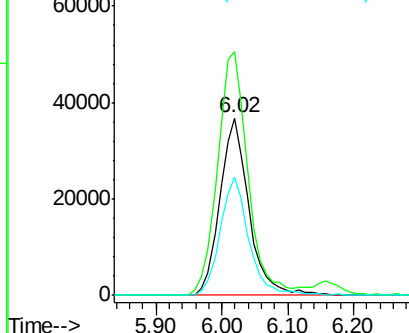
cis-1,2-Dichloroethene
Concen: 20.802 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 112718
Ion Ratio Lower Upper
96 100
61 137.1 0.0 279.8
98 66.7 0.0 136.0



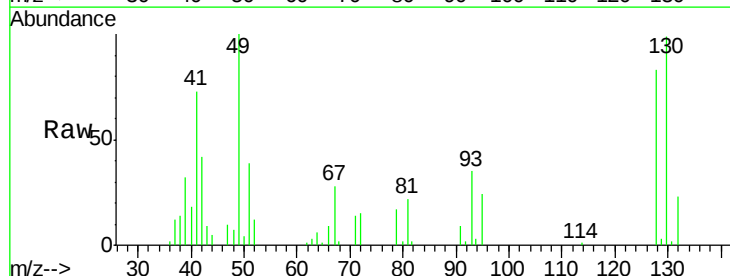
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



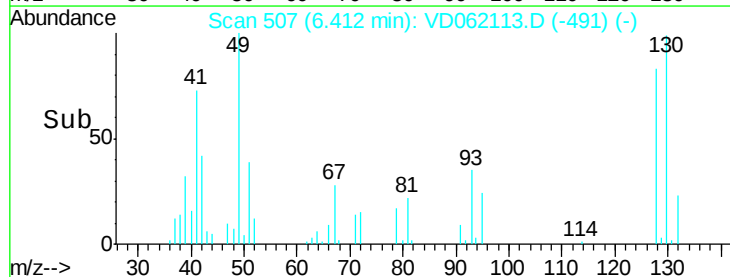
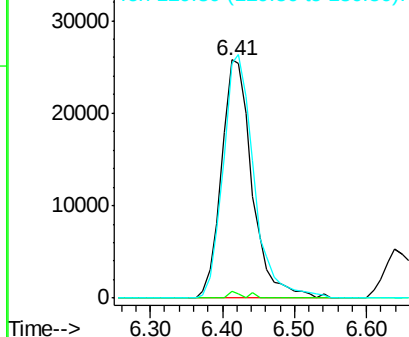
#28

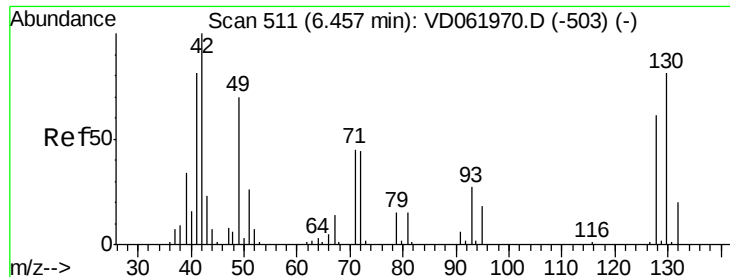
Bromochloromethane
Concen: 24.776 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.04 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion: 49 Resp: 75845
Ion Ratio Lower Upper
49 100
129 2.8 0.0 6.6
130 98.8 86.7 130.1



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





#29

Tetrahydrofuran

Concen: 120.177 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampled :

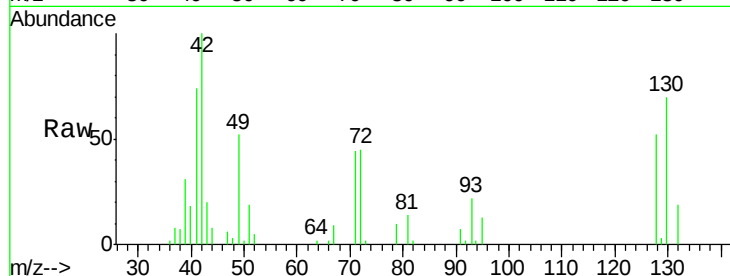
Tot Ion: 42 Resp: 68342

Ion Ratio Lower Upper

42 100

72 43.8 37.8 56.6

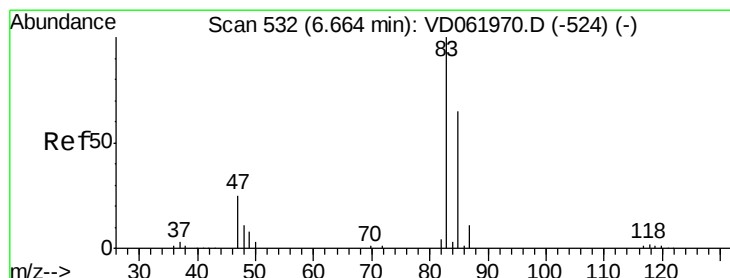
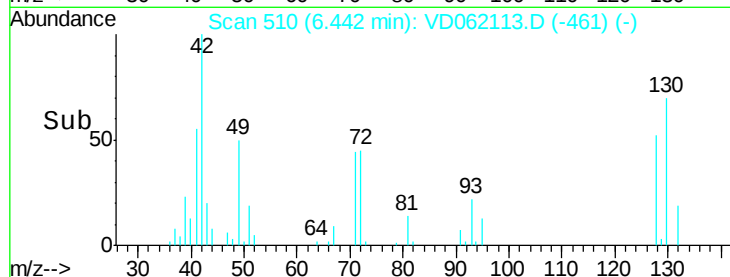
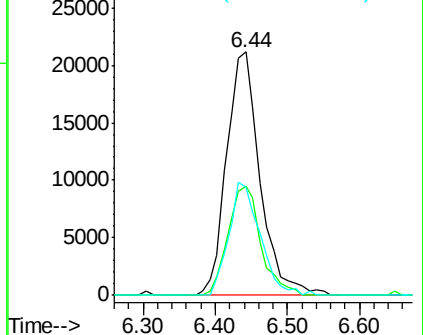
71 43.8 36.7 55.1



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: 20.576 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.03 min

Lab File: VD062113.D

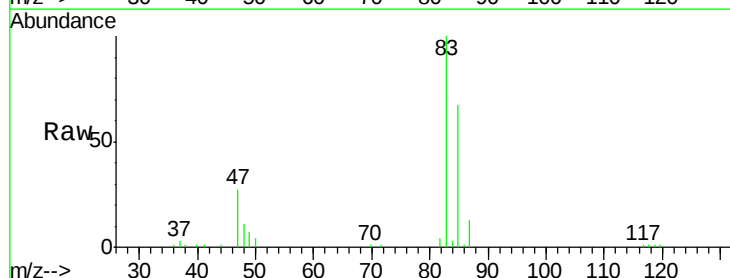
Acq: 2 May 2019 16:03

Tgt Ion: 83 Resp: 186984

Ion Ratio Lower Upper

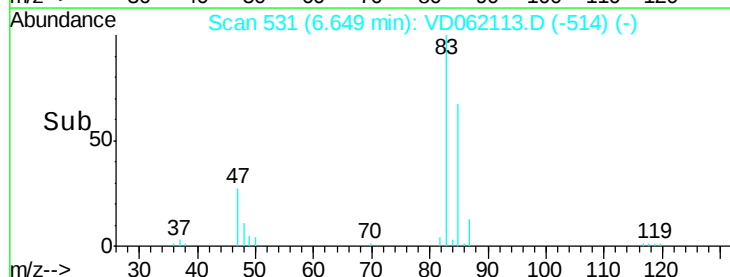
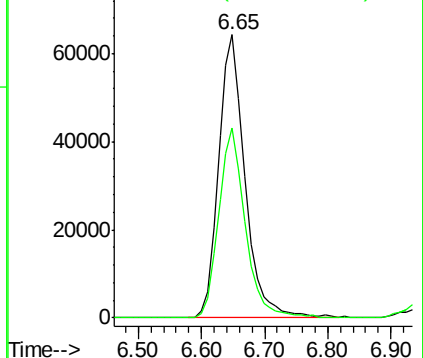
83 100

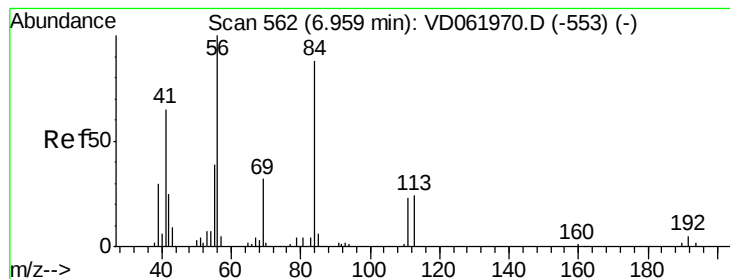
85 66.9 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 20.991 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

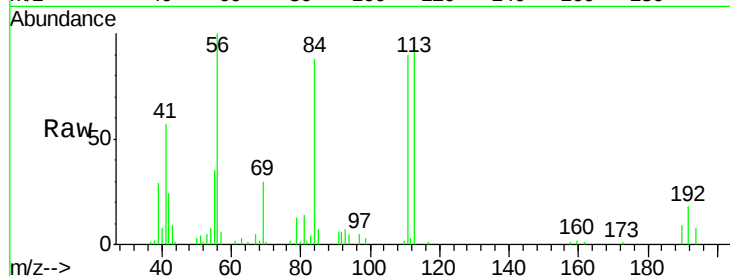
Tot Ion: 56 Resp: 124654

Ion Ratio Lower Upper

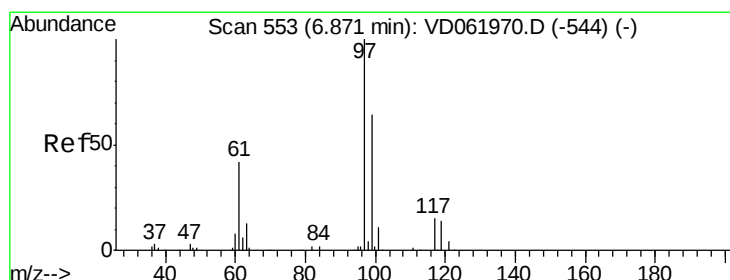
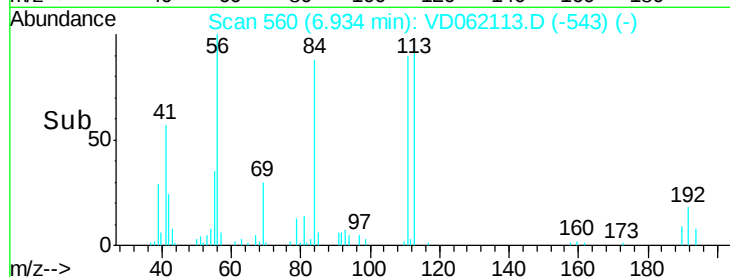
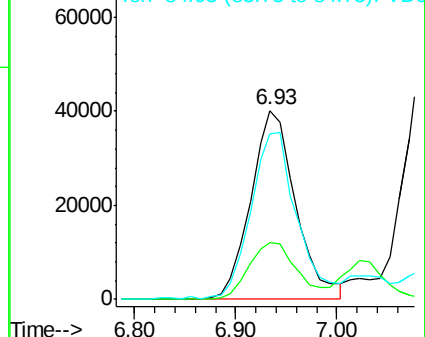
56 100

69 29.8 25.8 38.6

84 87.8 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: 21.173 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

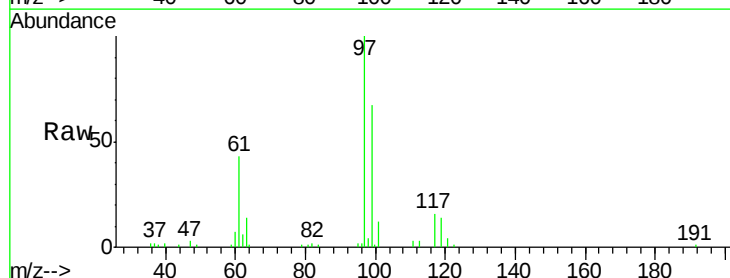
Tgt Ion: 97 Resp: 167409

Ion Ratio Lower Upper

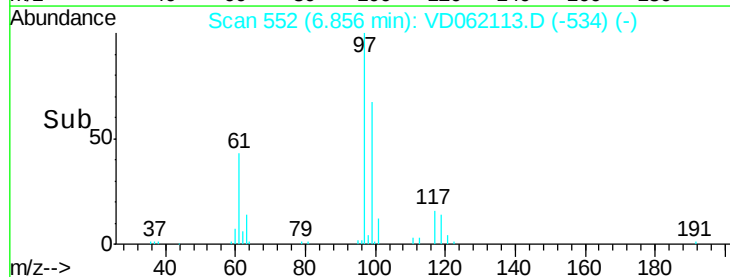
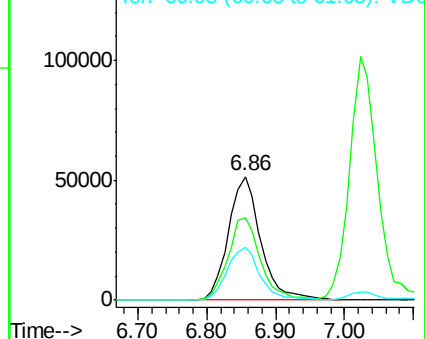
97 100

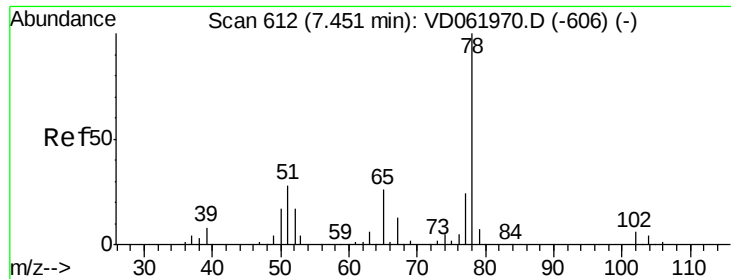
99 66.6 52.2 78.2

61 43.1 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: 52.695 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

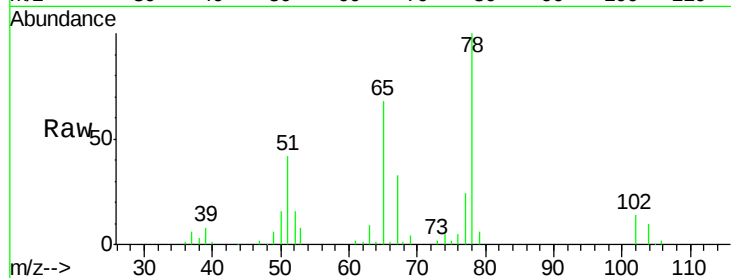
ClientSampleId :

Tot Ion: 65 Resp: 210084

Ion Ratio Lower Upper

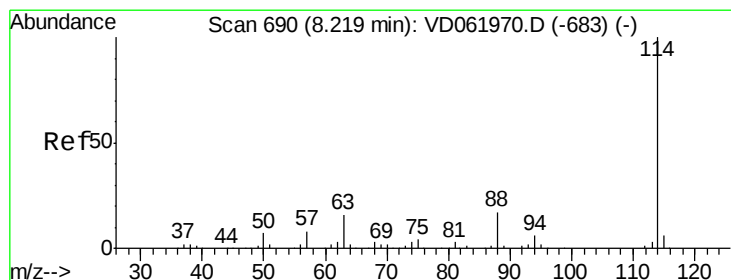
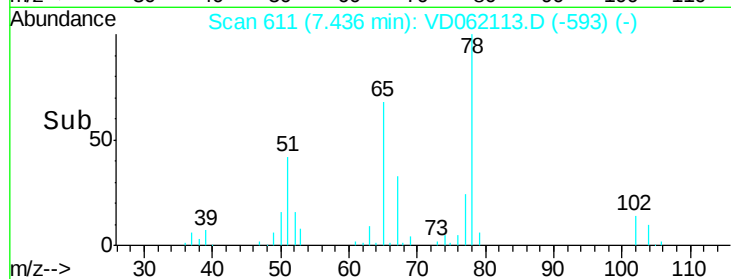
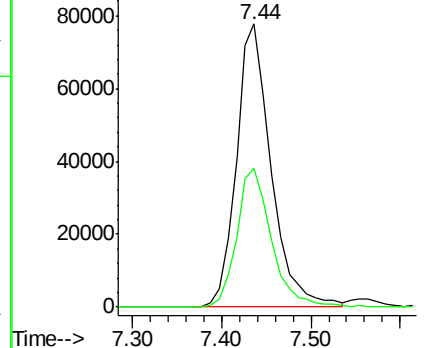
65 100

67 49.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

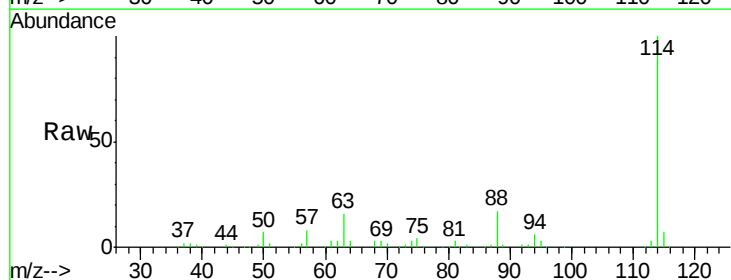
Tgt Ion: 114 Resp: 830262

Ion Ratio Lower Upper

114 100

63 16.3 0.0 32.4

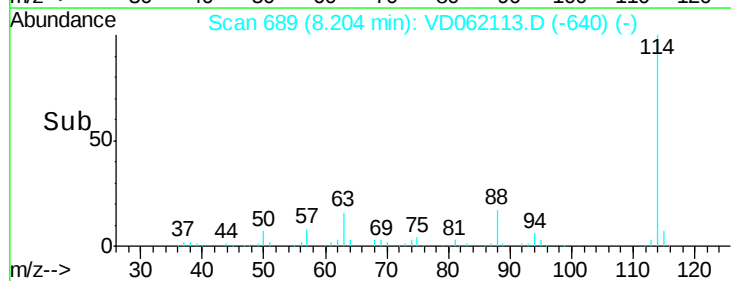
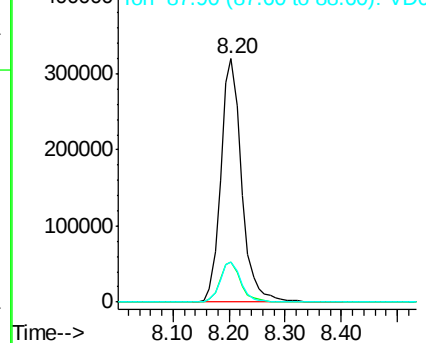
88 16.6 0.0 33.6

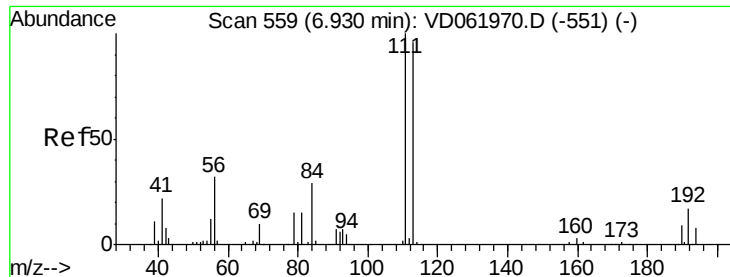


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 55.245 ug/l

RT: 6.90 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :

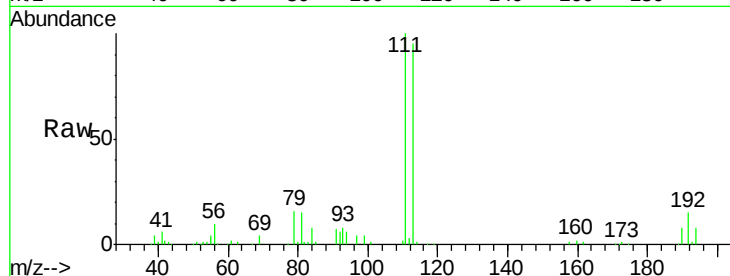
Tot Ion:113 Resp: 317222

Ion Ratio Lower Upper

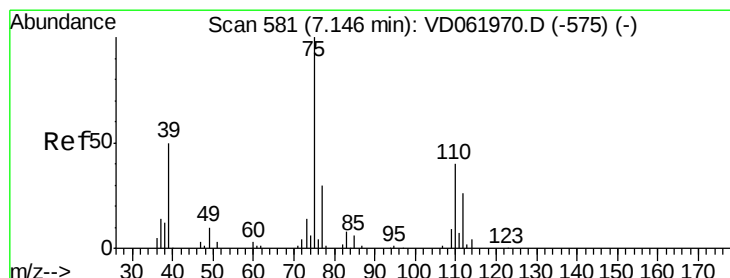
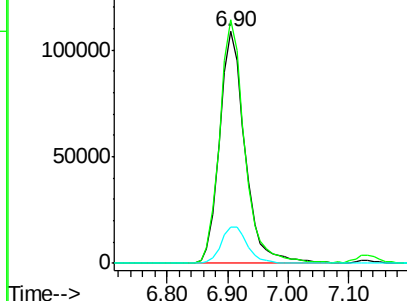
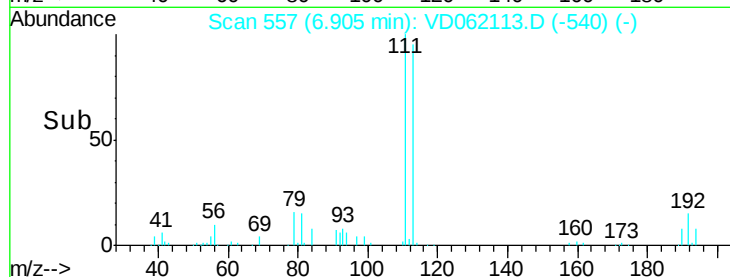
113 100

111 105.1 78.5 117.7

192 15.5 13.0 19.4



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



#36

1,1-Dichloropropene

Concen: 21.353 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

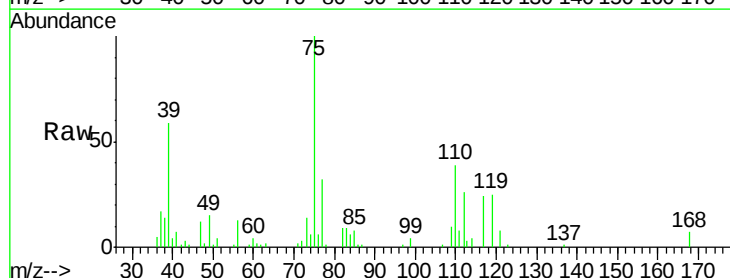
Tgt Ion: 75 Resp: 138126

Ion Ratio Lower Upper

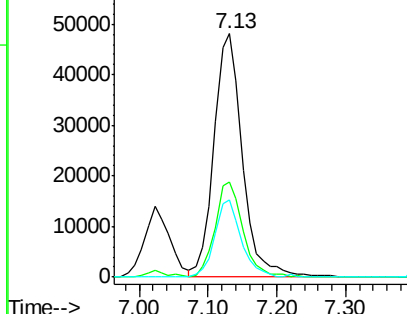
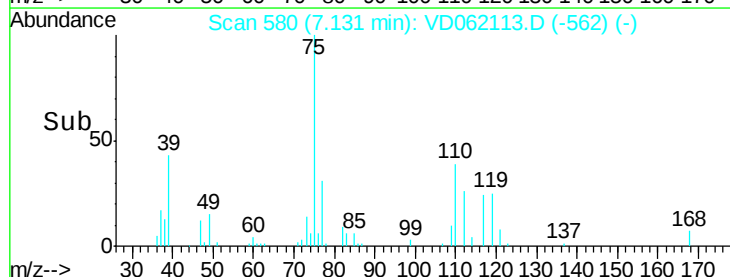
75 100

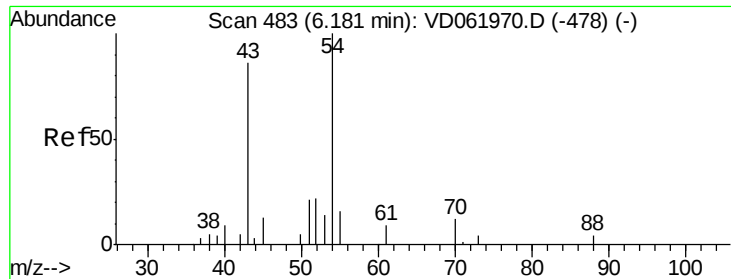
110 39.3 19.1 57.1

77 32.0 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

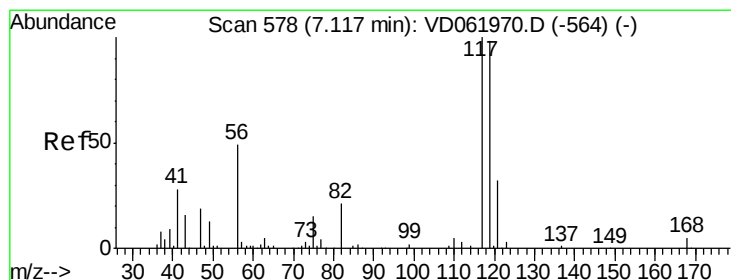
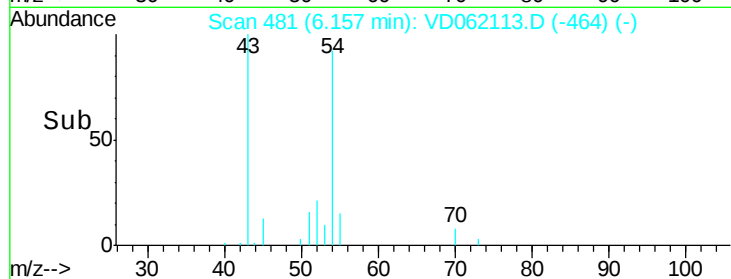
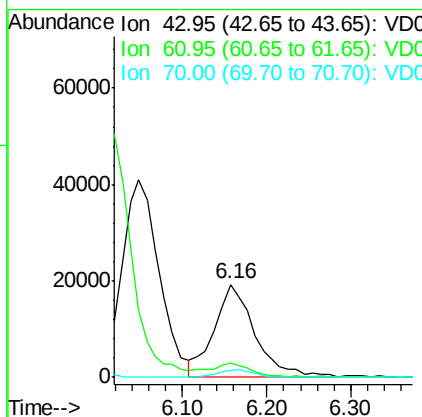
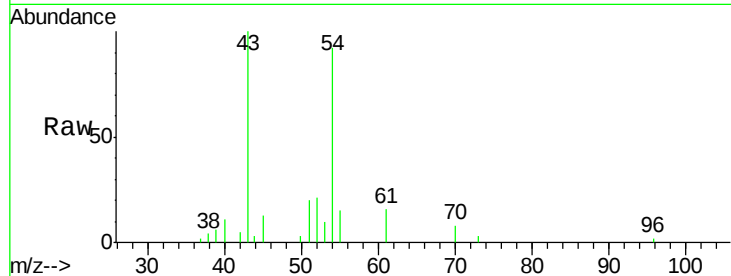




#37
Ethyl Acetate
Concen: 23.534 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

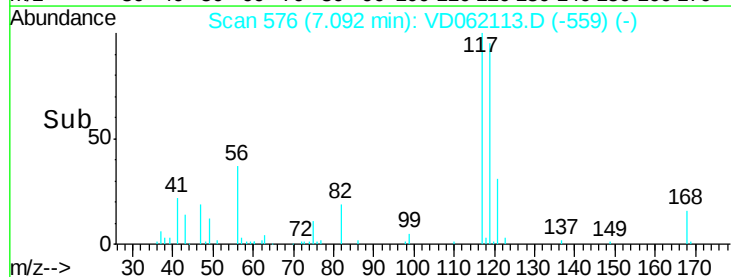
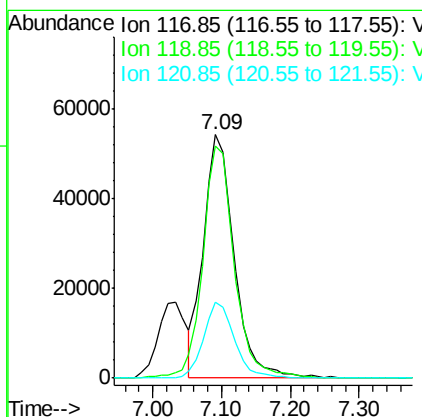
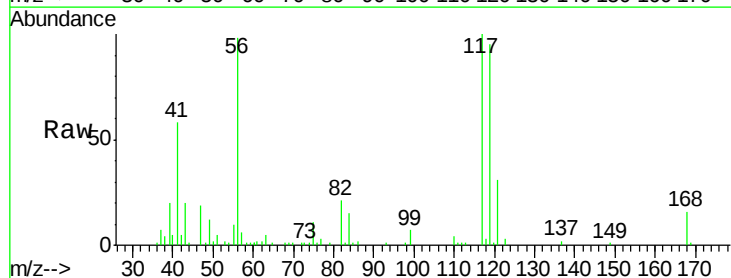
Instrument :
MSVOA_D
ClientSampleId :

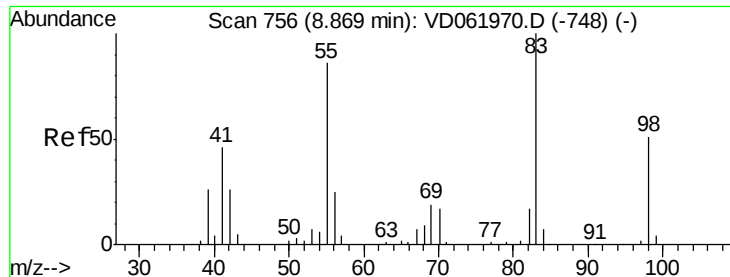
Tot Ion: 43 Resp: 64871
Ion Ratio Lower Upper
43 100
61 16.0 14.7 22.1
70 7.7 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 20.633 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion: 117 Resp: 169122
Ion Ratio Lower Upper
117 100
119 95.4 75.8 113.8
121 31.0 25.9 38.9

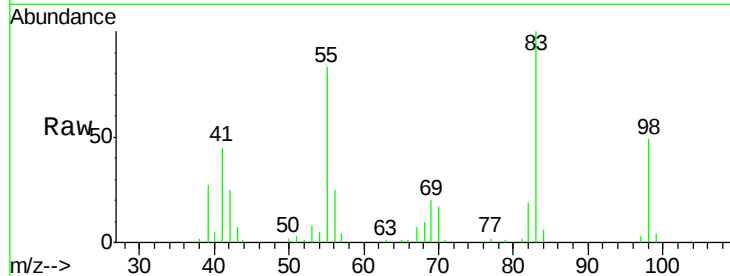




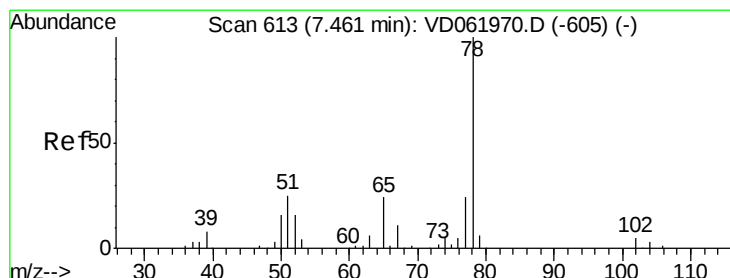
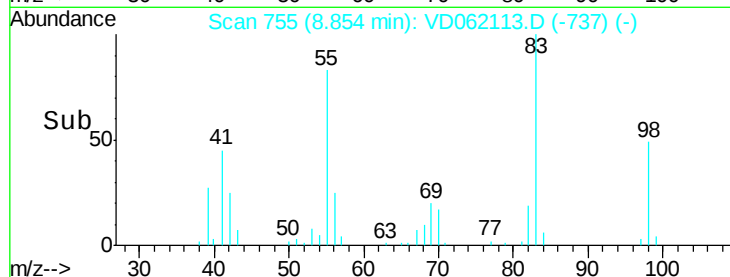
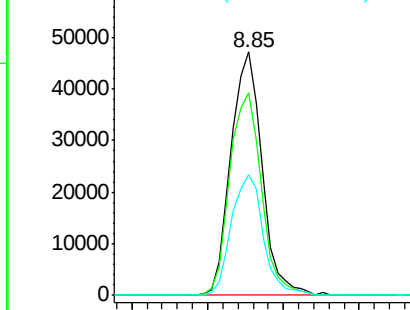
#39
Methvlcvclohexane
Concen: 21.018 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 134139
Ion Ratio Lower Upper
83 100
55 83.3 68.2 102.4
98 49.4 38.2 57.4

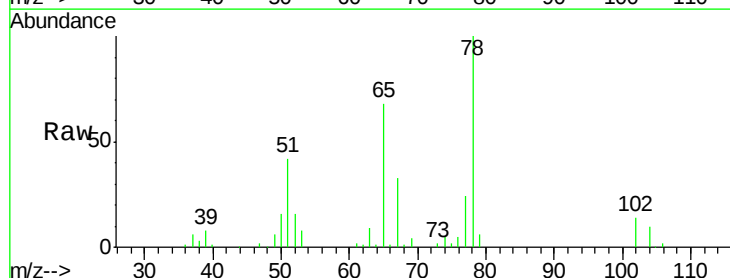


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

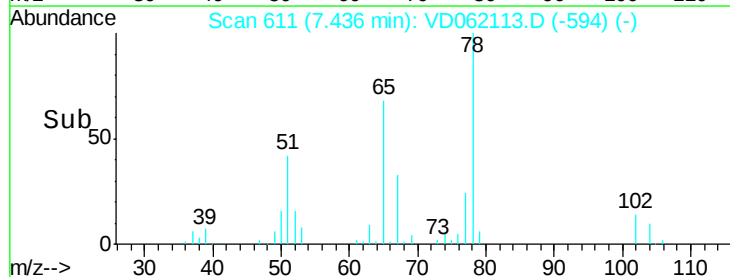
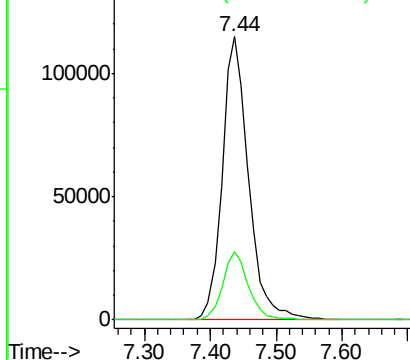


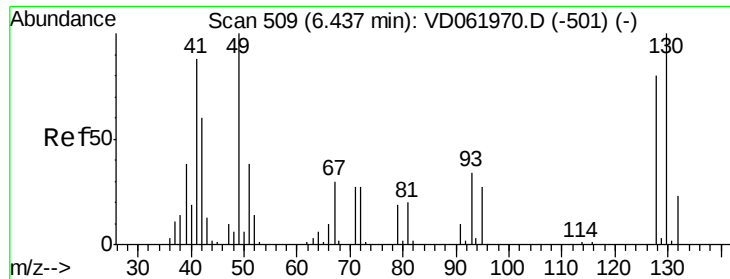
#40
Benzene
Concen: 20.019 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion: 78 Resp: 320587
Ion Ratio Lower Upper
78 100
77 23.9 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

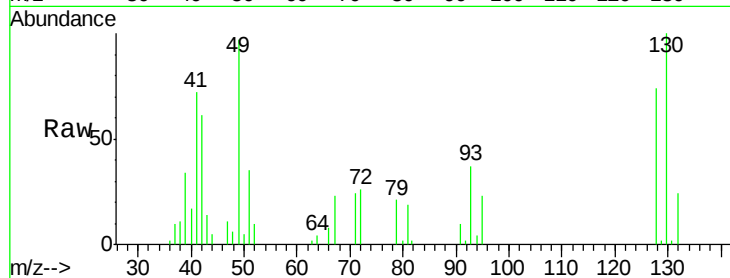




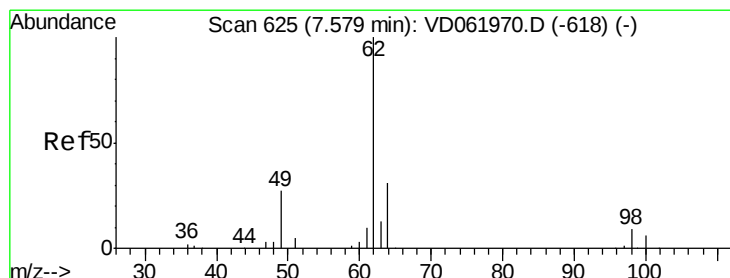
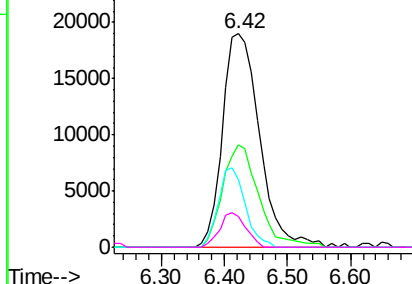
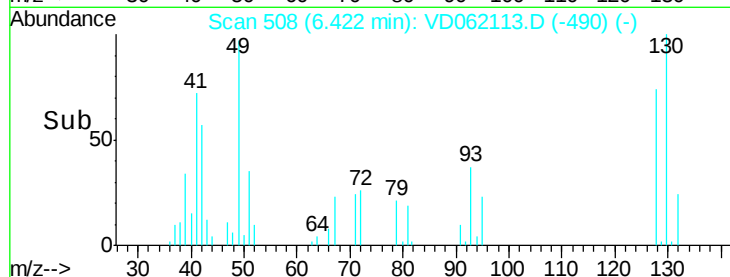
#41
Methacrylonitrile
Concen: 24.062 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 41 Resp: 77389
Ion Ratio Lower Upper
41 100
39 47.7 34.1 51.1
67 31.6 23.8 35.6
52 14.3 8.8 13.2#

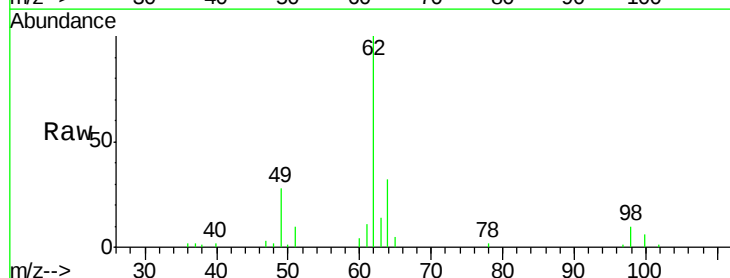


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

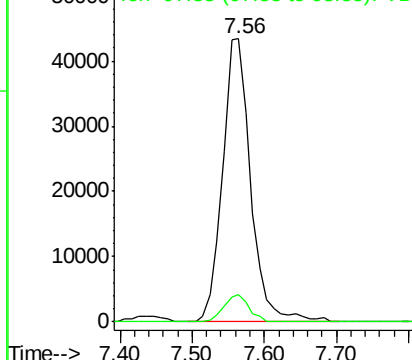
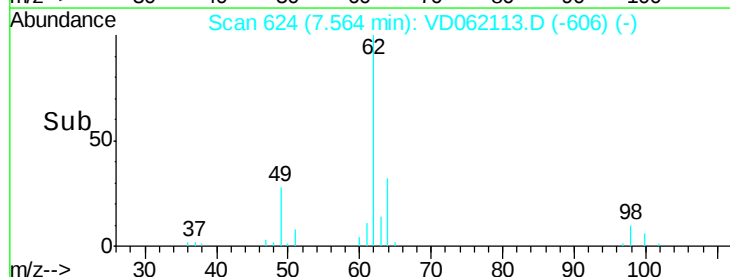


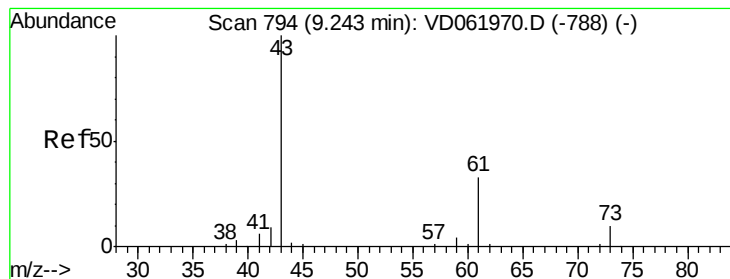
#42
1,2-Dichloroethane
Concen: 21.566 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion: 62 Resp: 117264
Ion Ratio Lower Upper
62 100
98 9.8 0.0 17.8



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



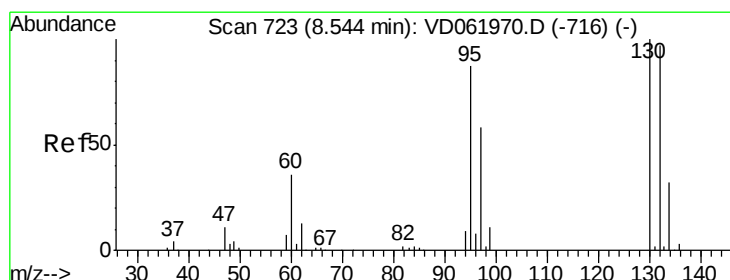
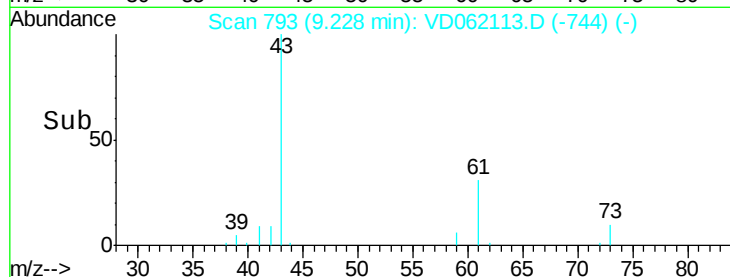
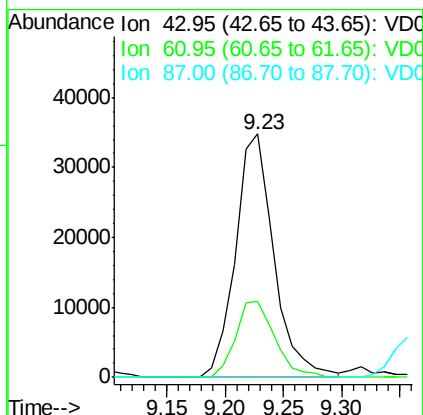
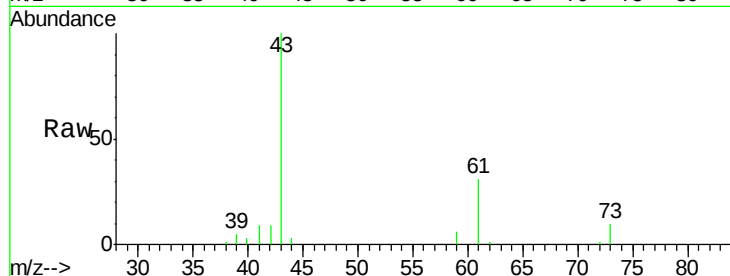


#43

Isopropyl Acetate
 Concen: 19.731 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleID :

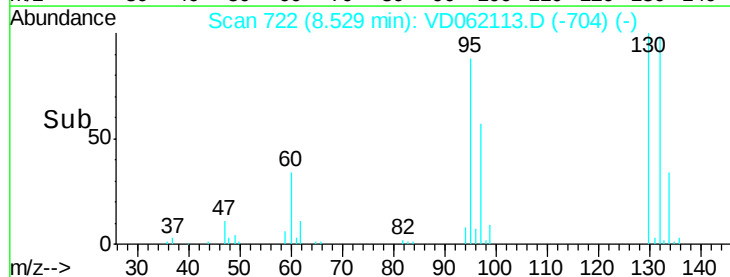
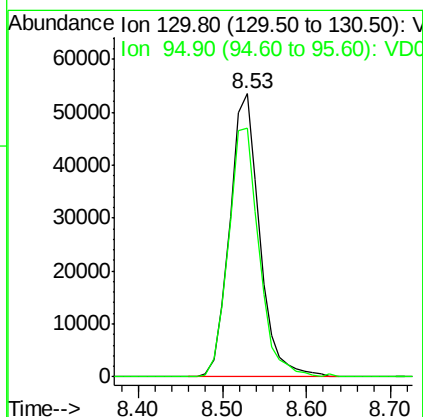
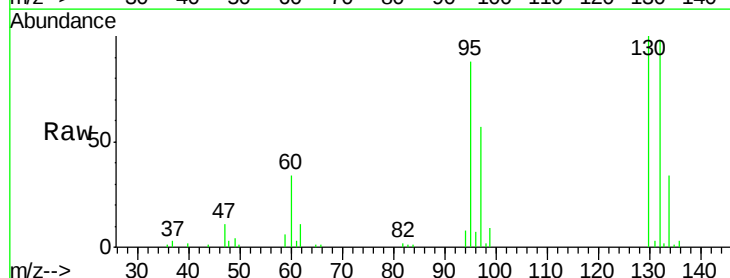
Tot Ion: 43 Resp: 79468
 Ion Ratio Lower Upper
 43 100
 61 31.4 25.1 37.7
 87 0.0 0.0 0.0

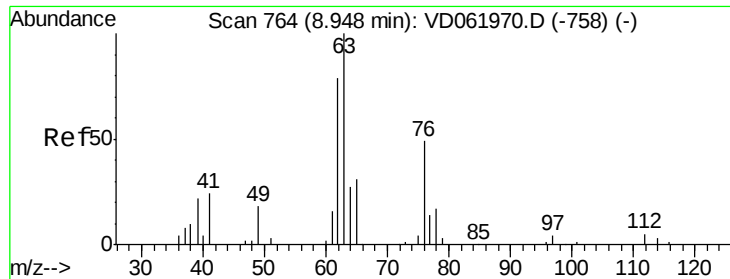


#44

Trichloroethene
 Concen: 21.197 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.02 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Tgt Ion: 130 Resp: 131599
 Ion Ratio Lower Upper
 130 100
 95 87.8 0.0 174.0





#45

1,2-Dichloropropane

Concen: 21.277 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

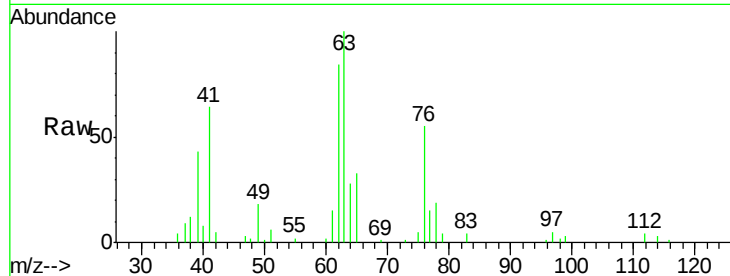
ClientSampled :

Tot Ion: 63 Resp: 86439

Ion Ratio Lower Upper

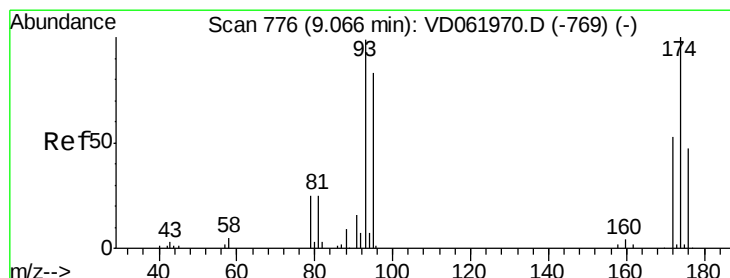
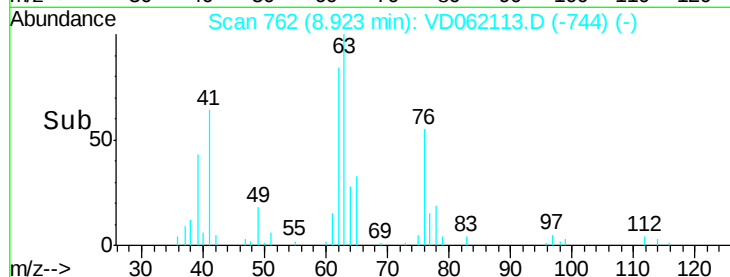
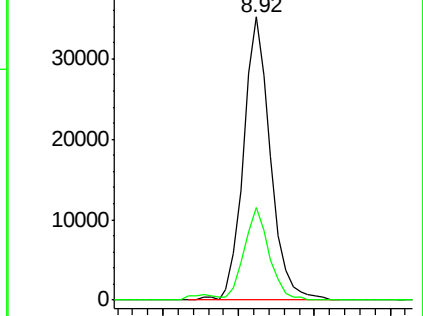
63 100

65 32.7 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.809 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

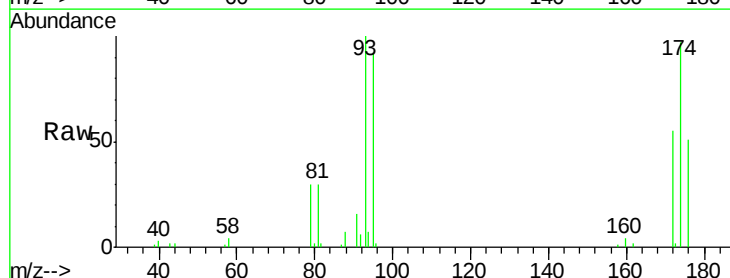
Tgt Ion: 93 Resp: 60832

Ion Ratio Lower Upper

93 100

95 91.7 64.8 97.2

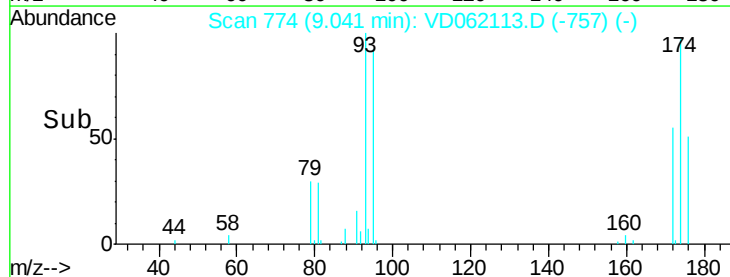
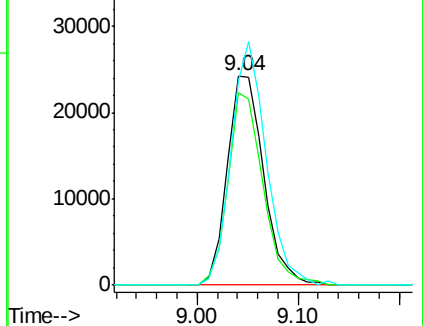
174 97.3 79.3 118.9

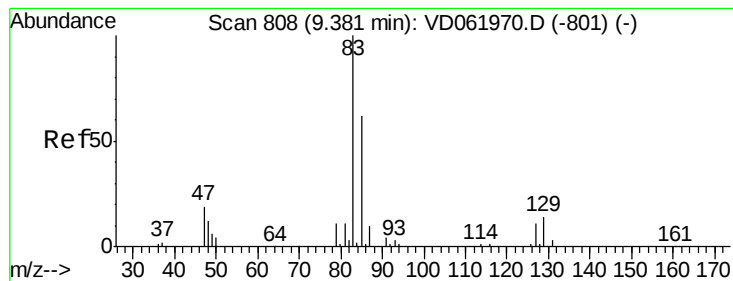


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.579 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

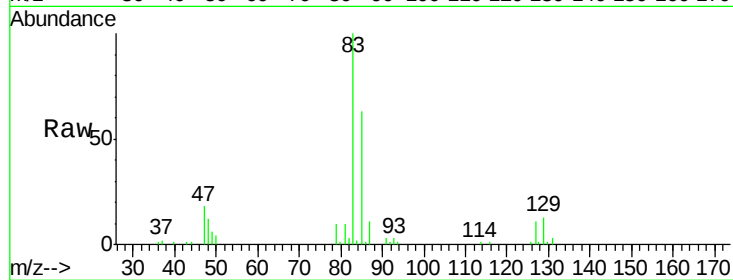
Tot Ion: 83 Resp: 149052

Ion Ratio Lower Upper

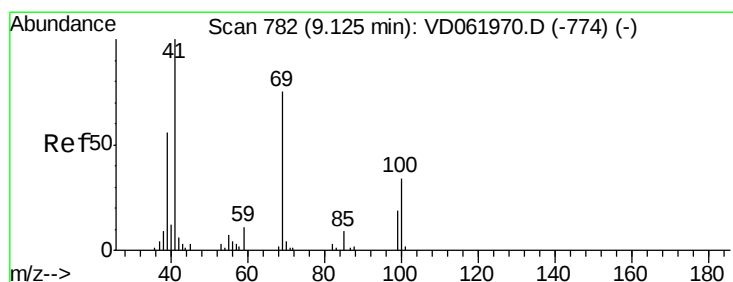
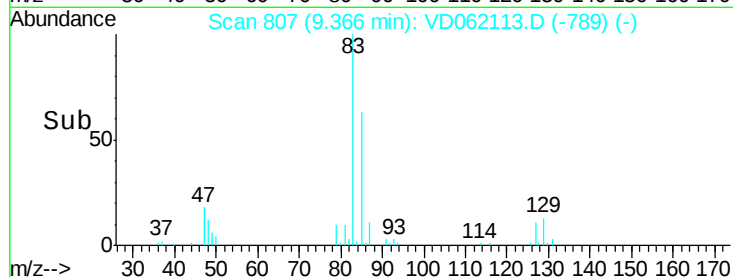
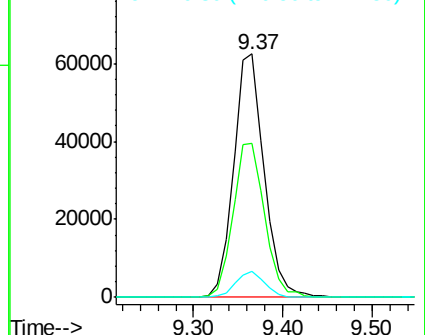
83 100

85 63.0 50.9 76.3

127 10.8 8.1 12.1



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



#48

Methyl methacrylate

Concen: 22.221 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

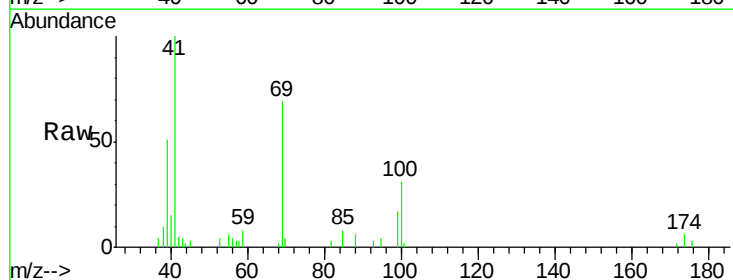
Tgt Ion: 41 Resp: 51064

Ion Ratio Lower Upper

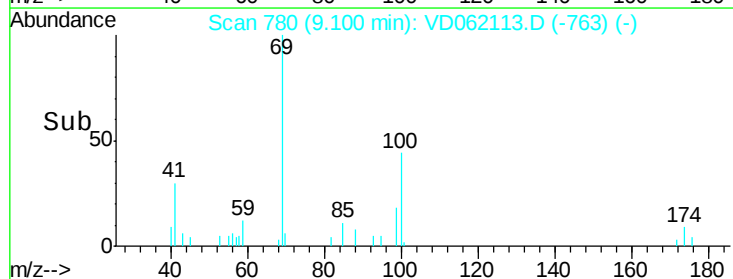
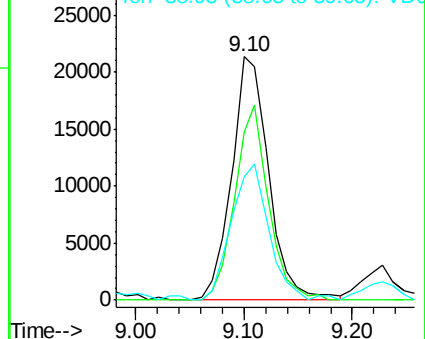
41 100

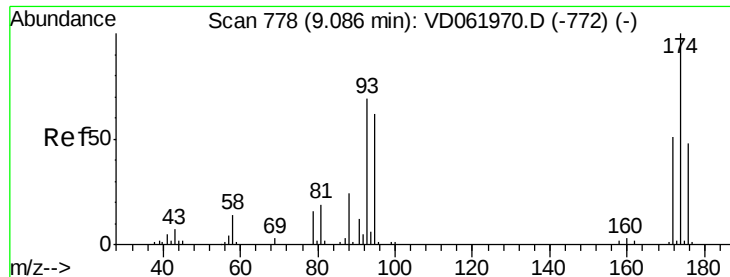
69 69.3 64.2 96.2

39 50.7 46.8 70.2



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





#49

1,4-Dioxane

Concen: 538.078 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

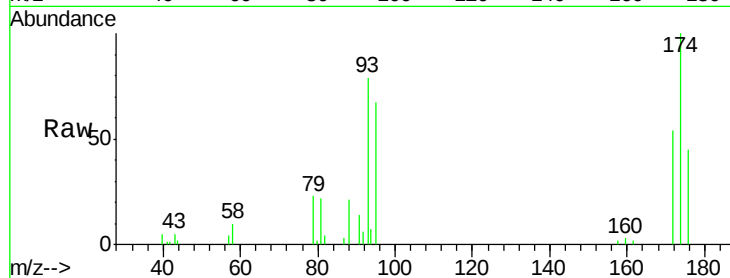
Tot Ion: 88 Resp: 13331

Ion Ratio Lower Upper

88 100

43 22.8 23.4 35.0#

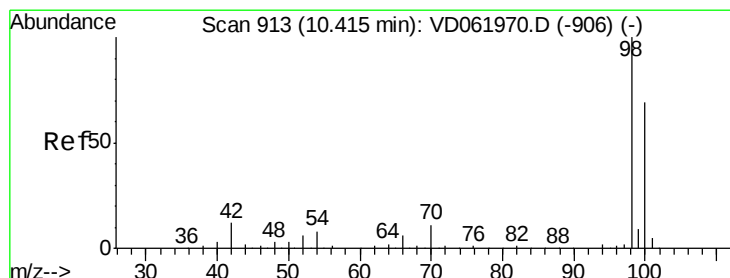
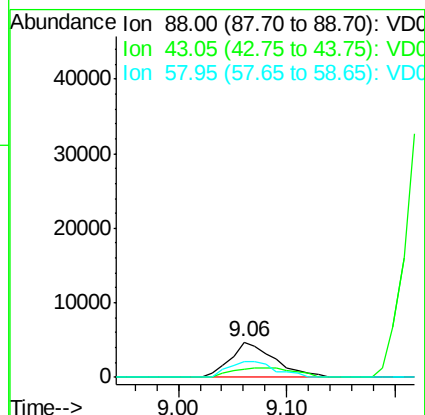
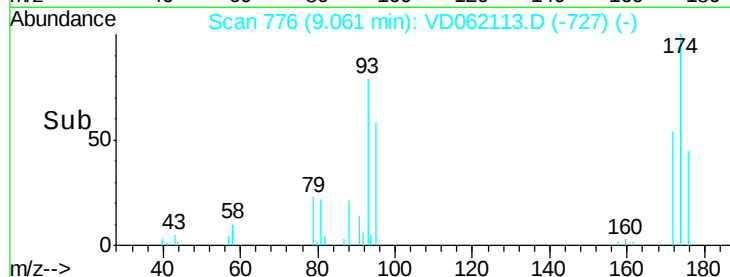
58 46.1 44.0 66.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 49.407 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD062113.D

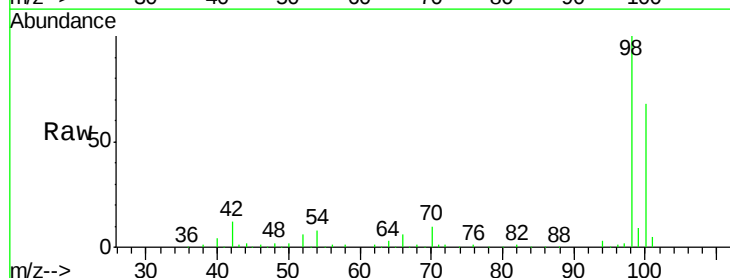
Acq: 2 May 2019 16:03

Tgt Ion: 98 Resp: 675057

Ion Ratio Lower Upper

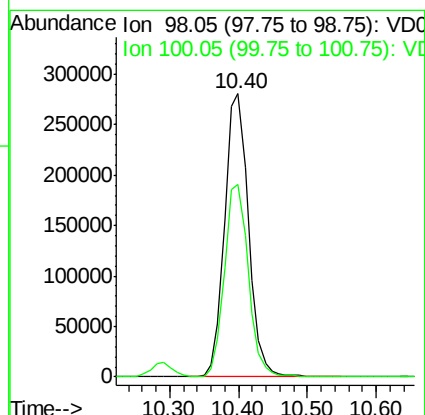
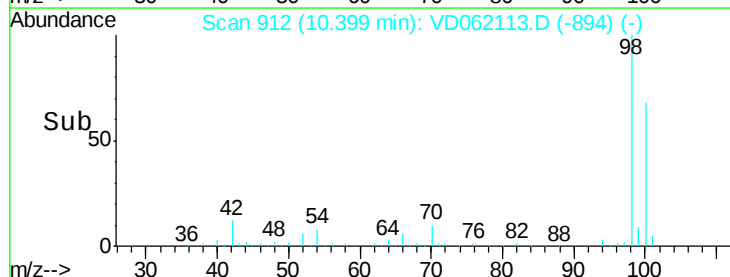
98 100

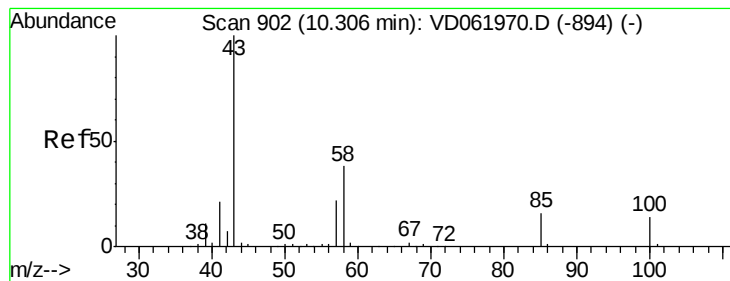
100 68.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 109.426 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

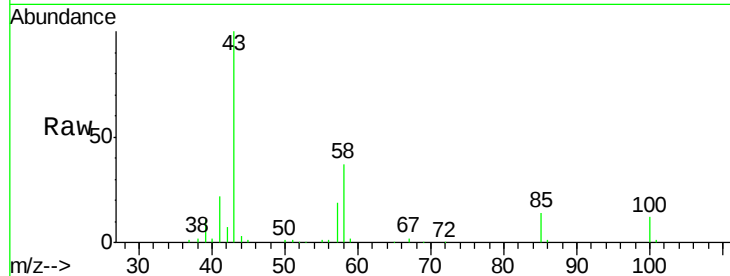
ClientSampleId :

Tot Ion: 43 Resp: 269532

Ion Ratio Lower Upper

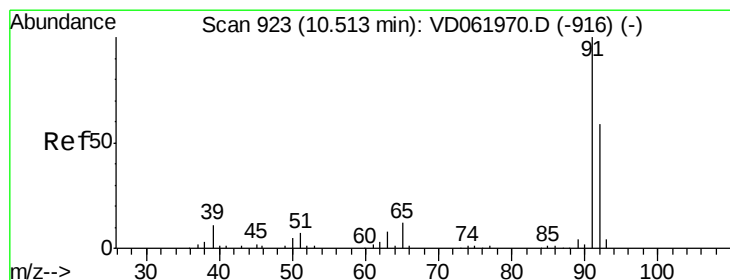
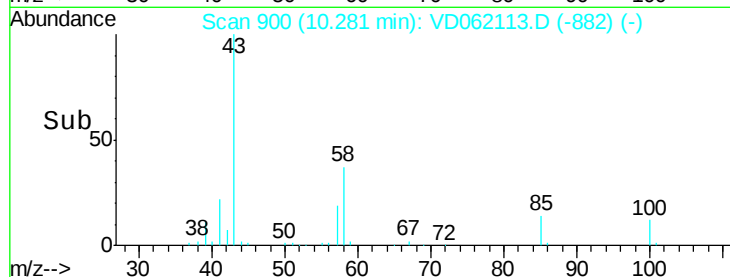
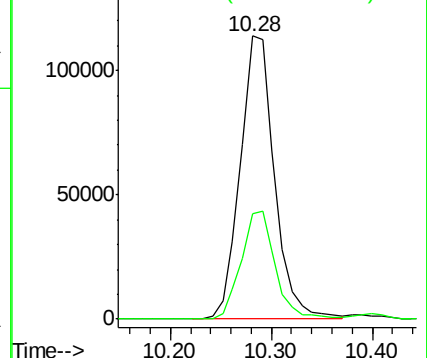
43 100

58 37.3 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: 20.539 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD062113.D

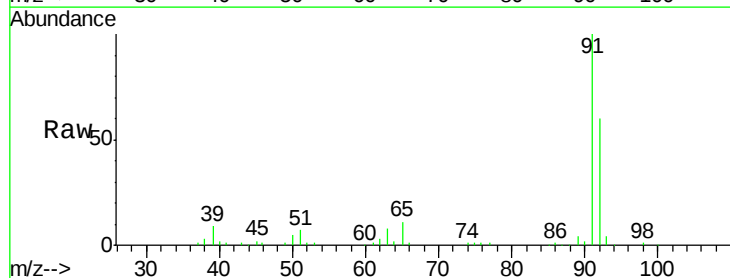
Acq: 2 May 2019 16:03

Tgt Ion: 92 Resp: 209719

Ion Ratio Lower Upper

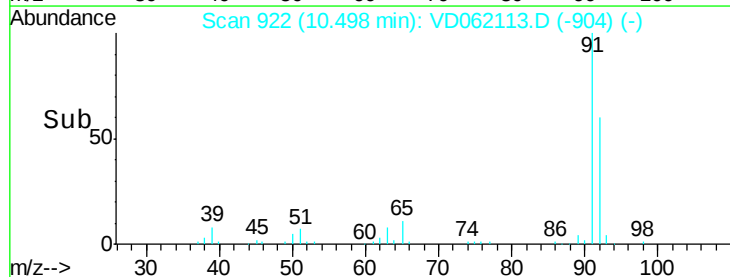
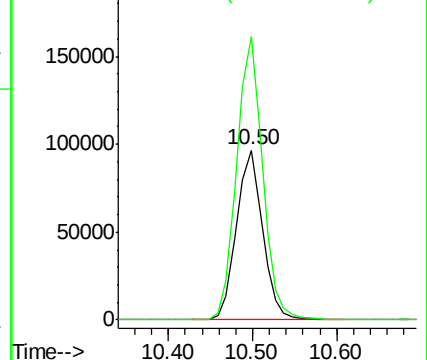
92 100

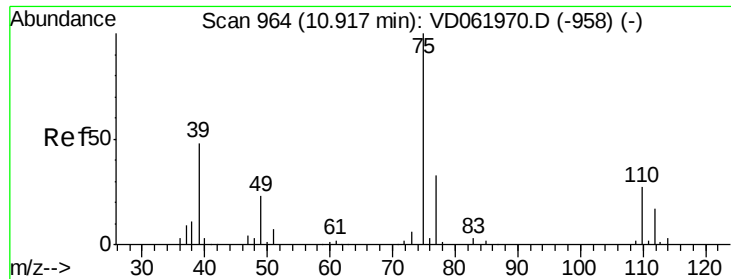
91 167.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

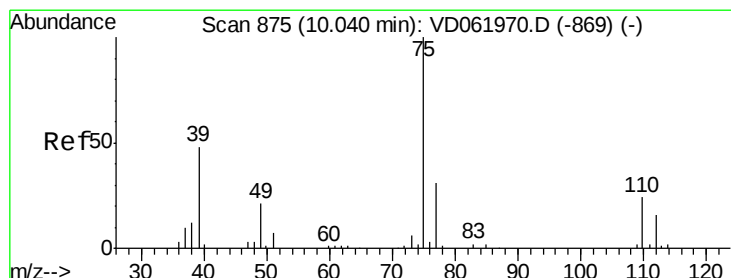
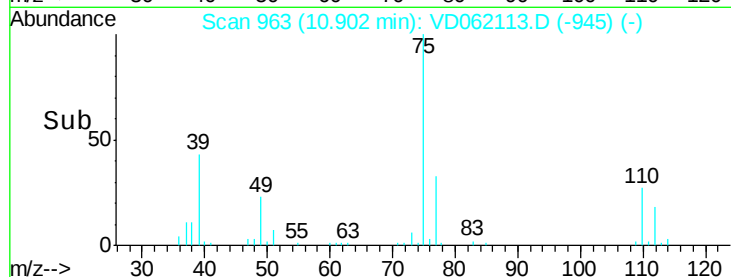
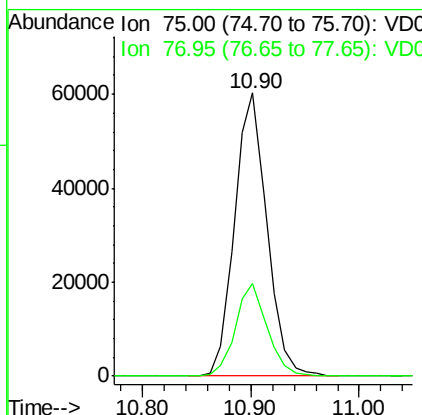
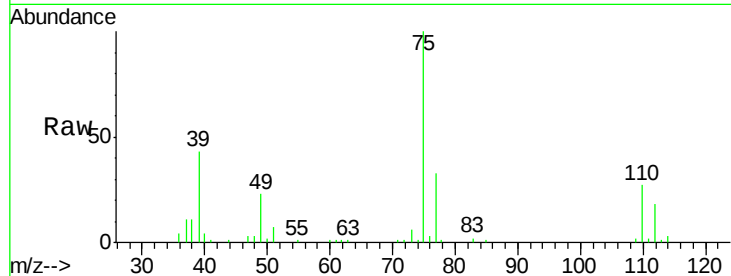




#53
 t-1,3-Dichloropropene
 Concen: 21.528 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

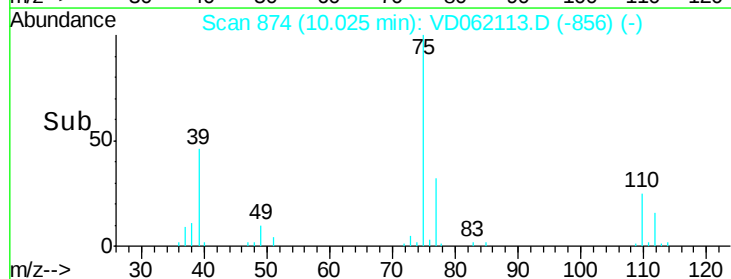
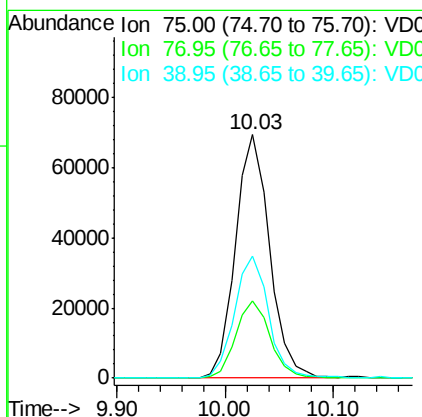
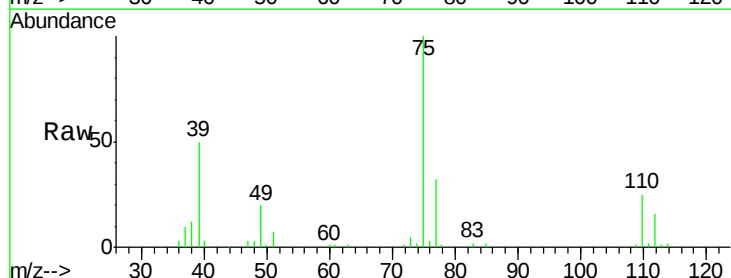
Instrument :
 MSVOA_D
 ClientSampleId :

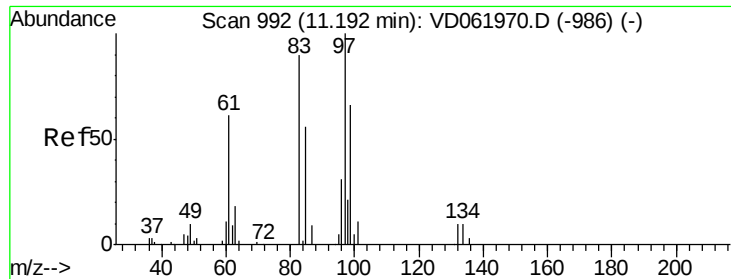
Tot Ion: 75 Resp: 124813
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 21.607 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Tgt Ion: 75 Resp: 152362
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.5 38.3
 39 49.9 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 21.031 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 72096

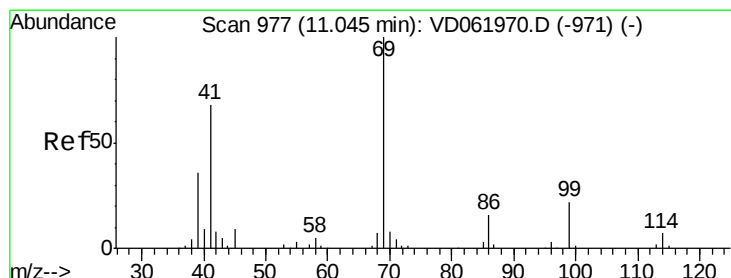
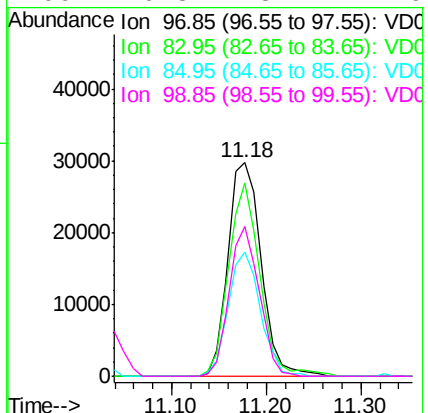
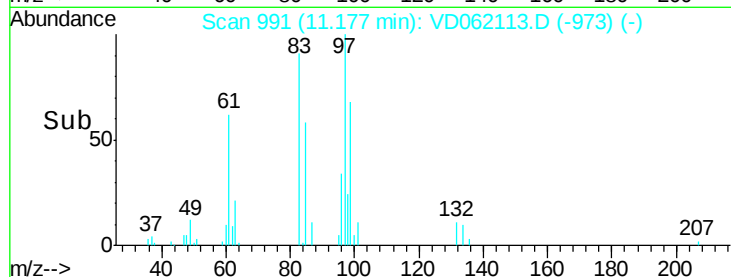
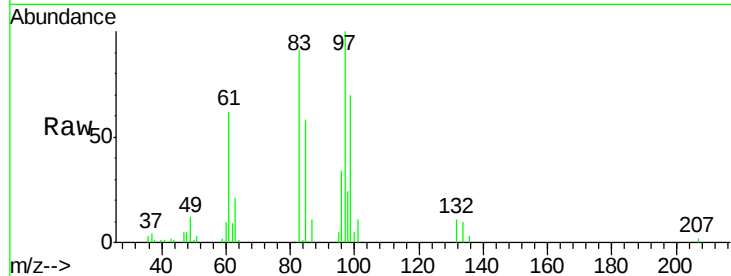
Ion	Ratio	Lower	Upper
97	100		
83	90.8	65.7	98.5
85	58.2	45.6	68.4
99	70.3	48.4	72.6

97 100

83 90.8 65.7 98.5

85 58.2 45.6 68.4

99 70.3 48.4 72.6



#56

Ethyl methacrylate

Concen: 21.300 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

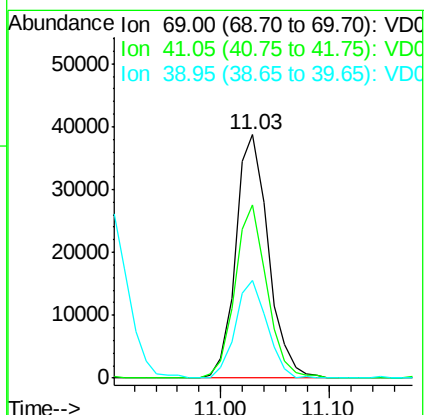
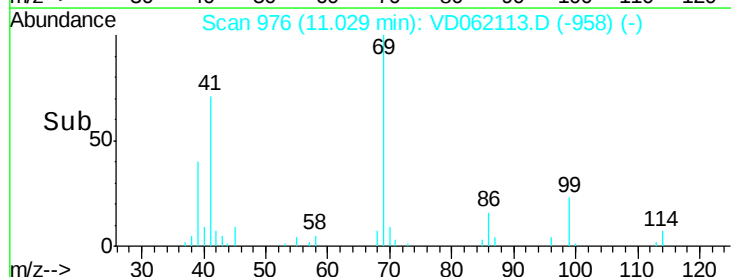
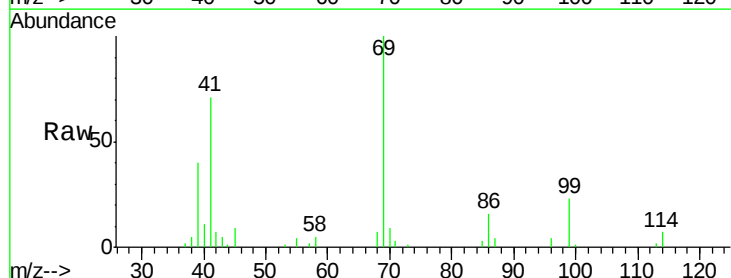
Tgt Ion: 69 Resp: 80868

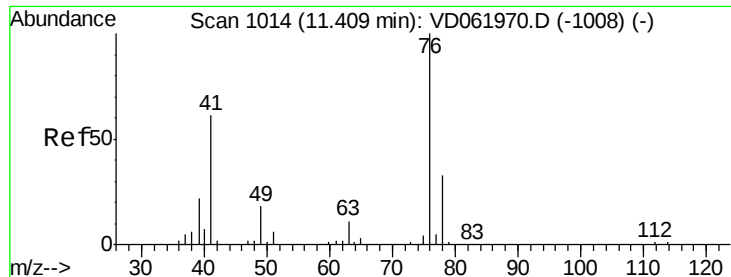
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.3	84.5
39	39.9	29.4	44.2

69 100

41 71.3 56.3 84.5

39 39.9 29.4 44.2

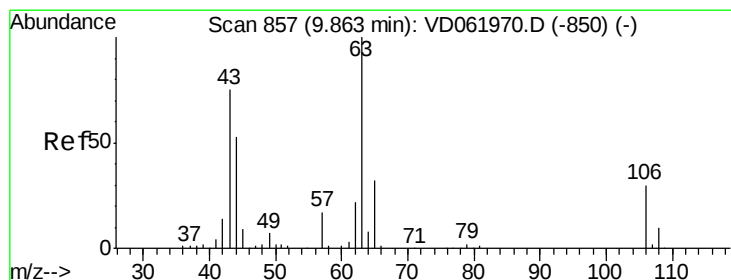
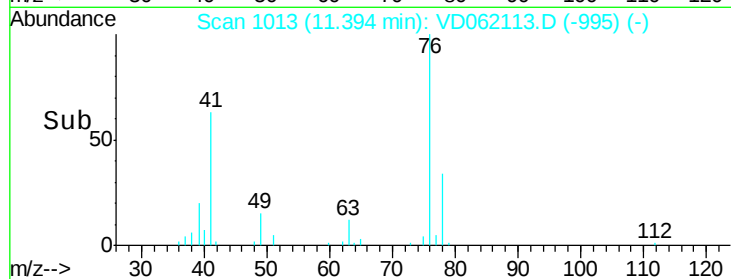
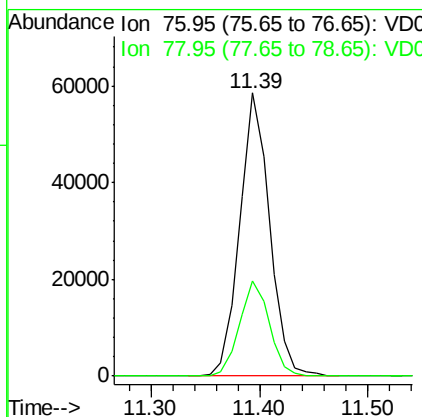
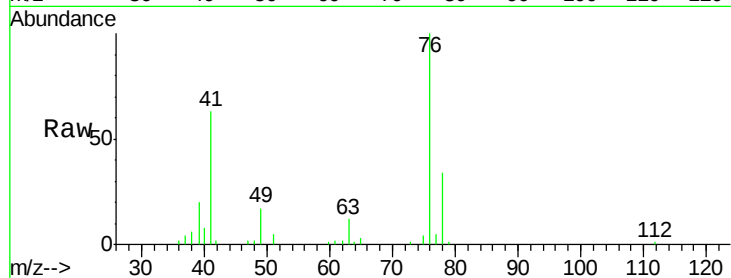




#57
 1,3-Dichloropropane
 Concen: 21.209 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.02 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

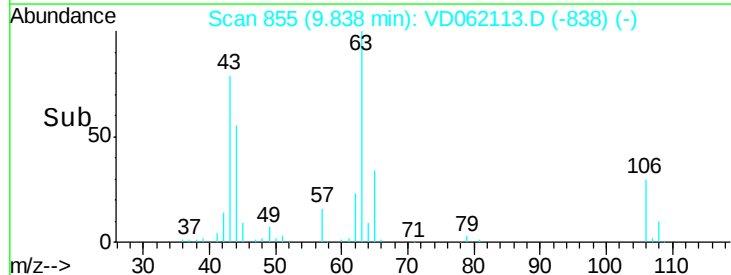
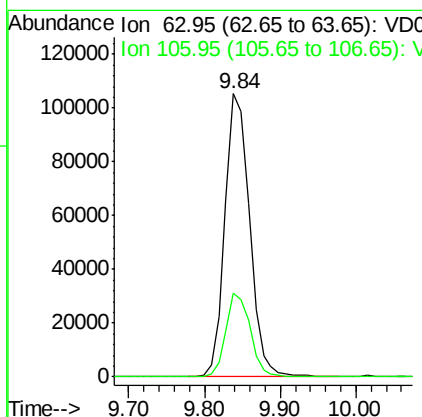
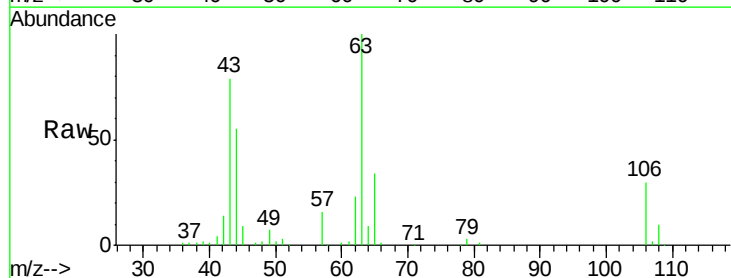
Instrument :
 MSVOA_D
 ClientSampled :

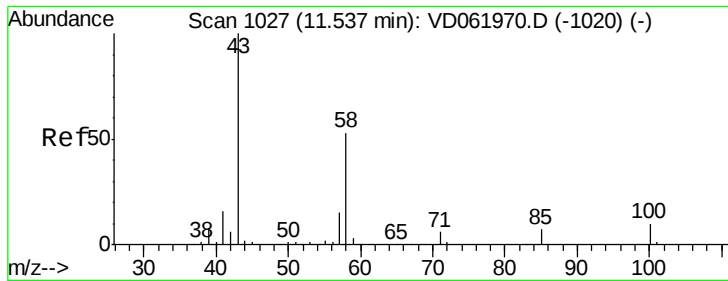
Tot Ion: 76 Resp: 112292
 Ion Ratio Lower Upper
 76 100
 78 33.6 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 134.991 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.03 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Tgt Ion: 63 Resp: 238282
 Ion Ratio Lower Upper
 63 100
 106 29.7 22.6 34.0

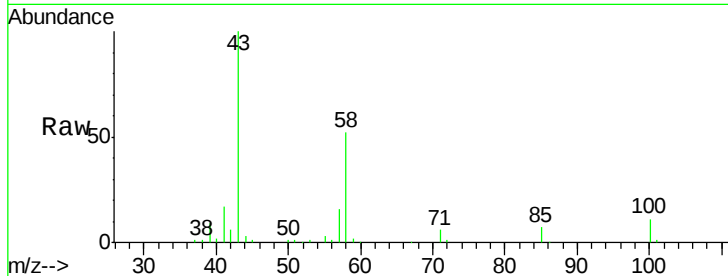




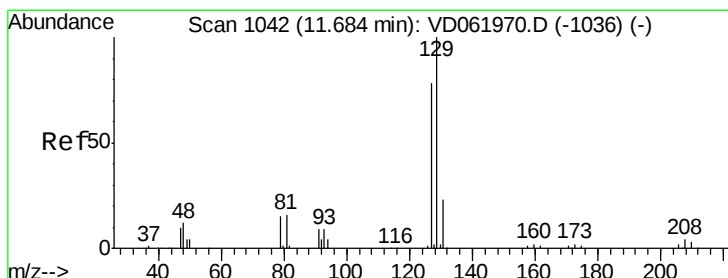
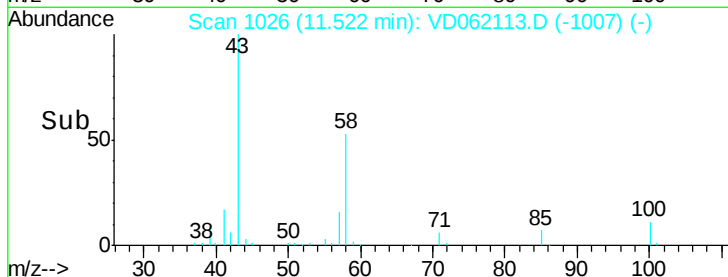
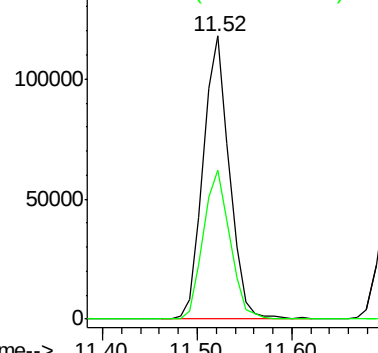
#59
2-Hexanone
Concen: 122.429 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 226214
Ion Ratio Lower Upper
43 100
58 52.4 25.4 76.4

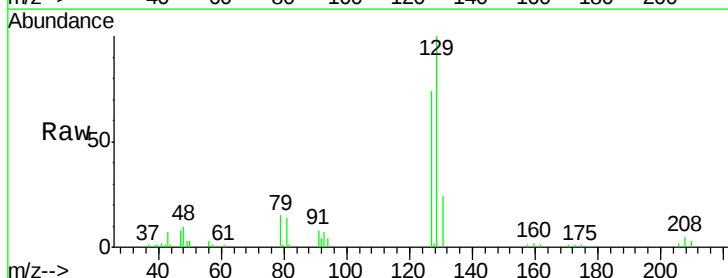


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

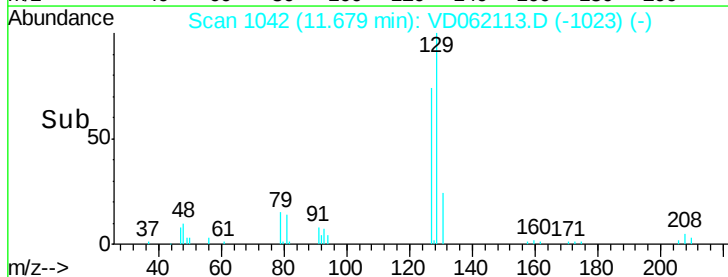
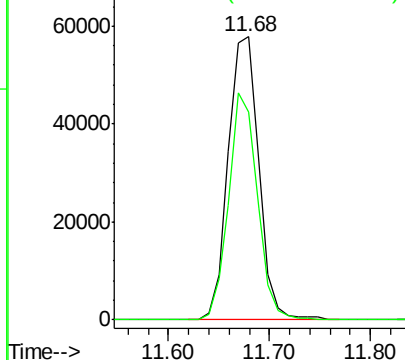


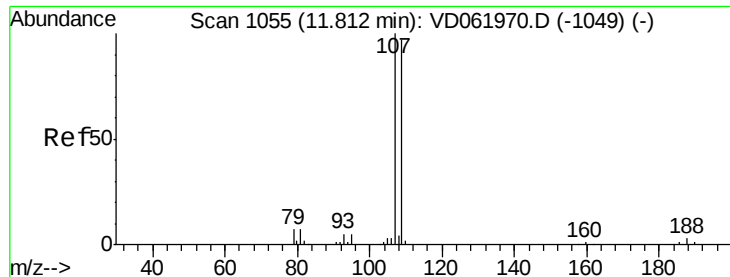
#60
Dibromochloromethane
Concen: 21.475 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion:129 Resp: 121807
Ion Ratio Lower Upper
129 100
127 73.7 38.0 113.9



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

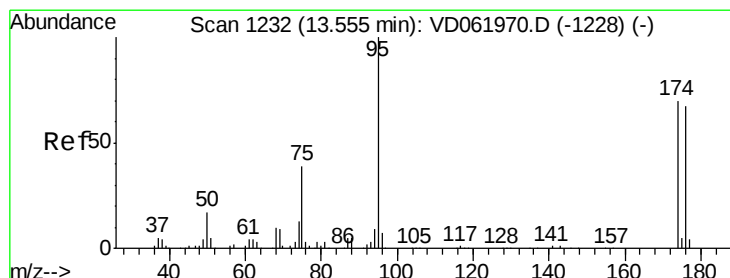
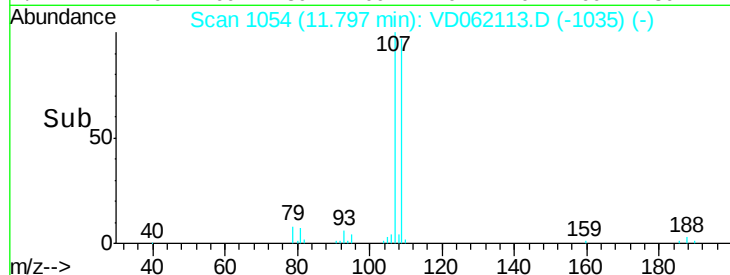
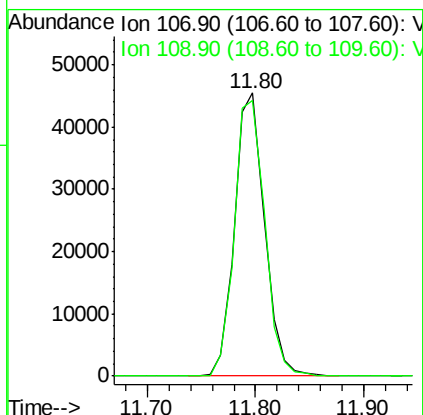
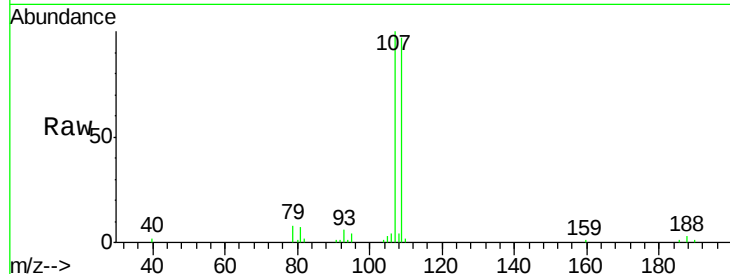




#61
 1,2-Dibromoethane
 Concen: 21.610 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

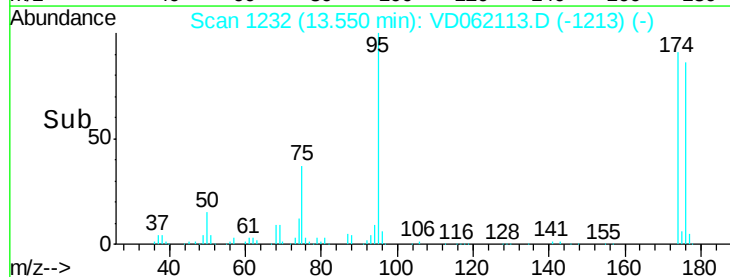
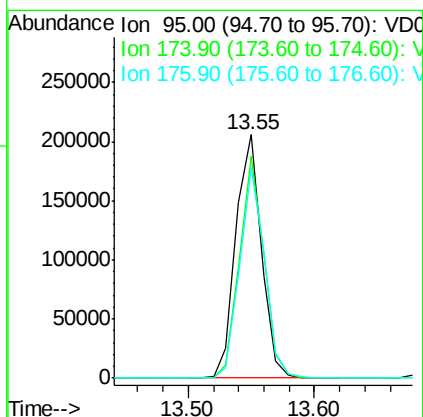
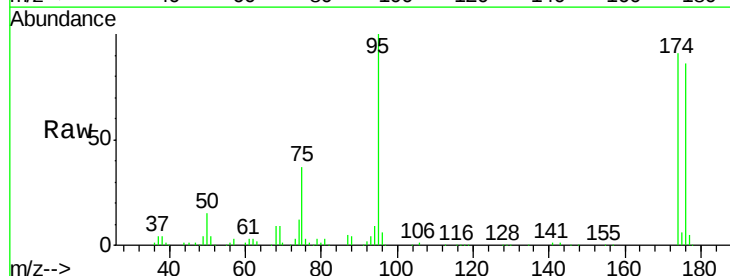
Instrument :
 MSVOA_D
 ClientSampleId :

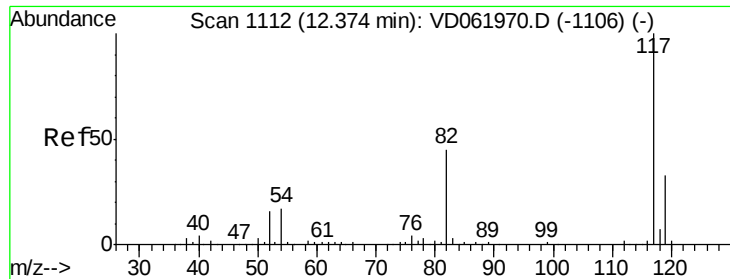
Tot Ion:107 Resp: 87878
 Ion Ratio Lower Upper
 107 100
 109 97.5 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 52.096 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Tgt Ion: 95 Resp: 285500
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 181.8
 176 86.2 0.0 174.4

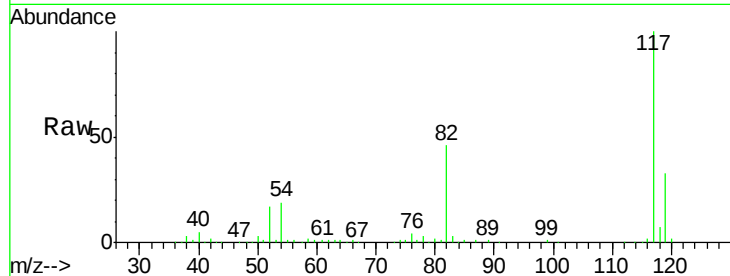




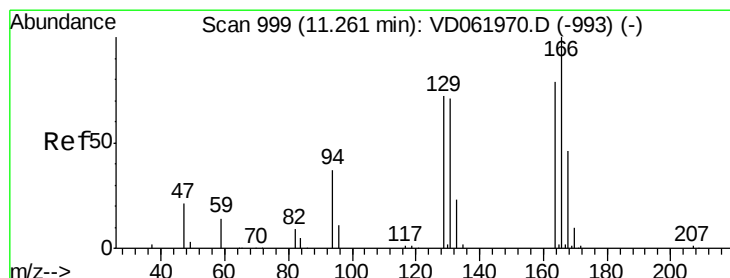
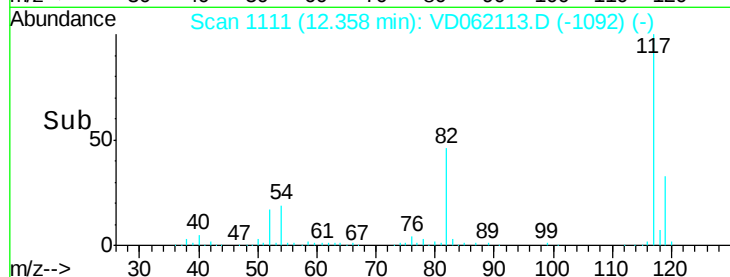
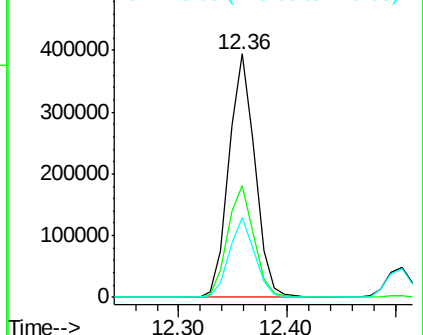
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 659423
Ion Ratio Lower Upper
117 100
82 45.9 36.2 54.2
119 32.5 26.2 39.4



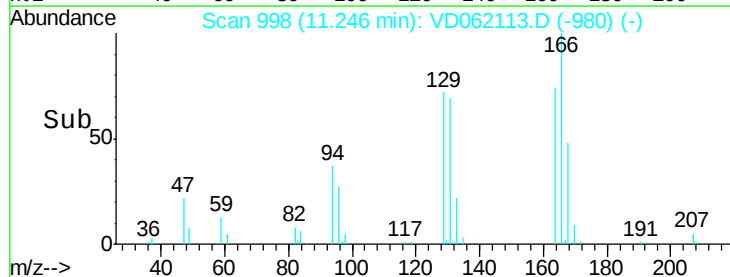
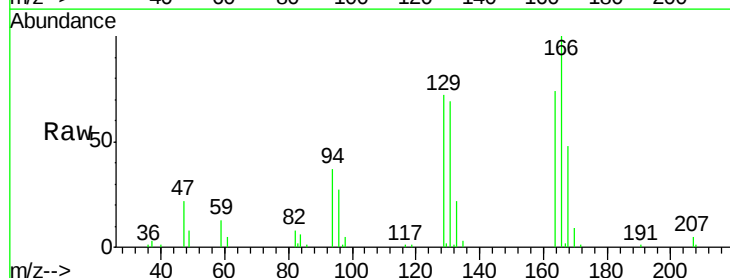
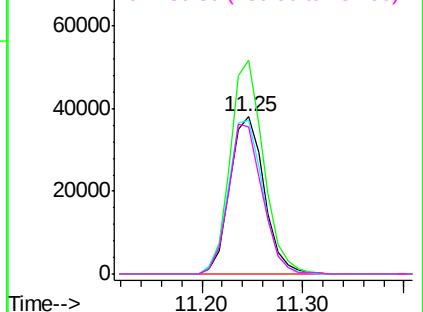
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

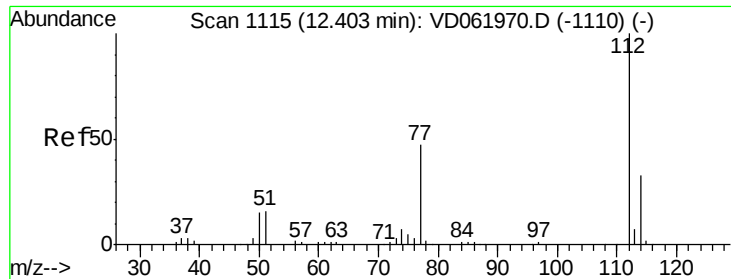


#64
Tetrachloroethene
Concen: 19.166 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion:164 Resp: 90156
Ion Ratio Lower Upper
164 100
166 135.8 101.5 152.3
129 97.5 74.6 112.0
131 93.5 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

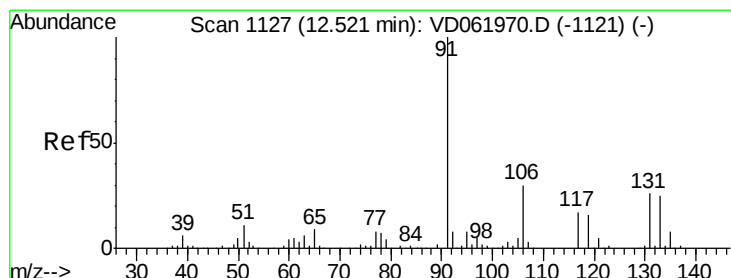
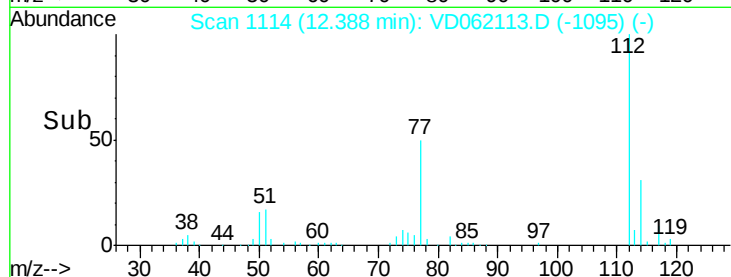
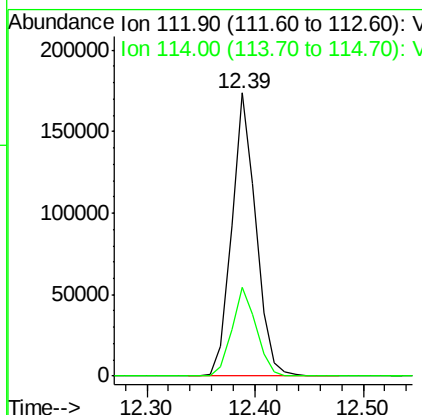
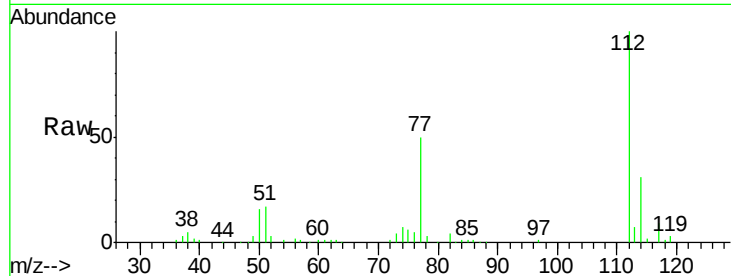




#65
Chlorobenzene
Concen: 21.551 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

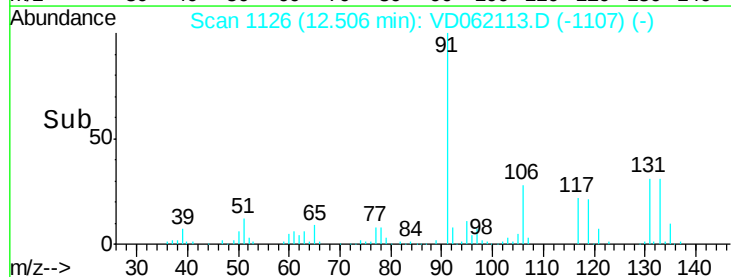
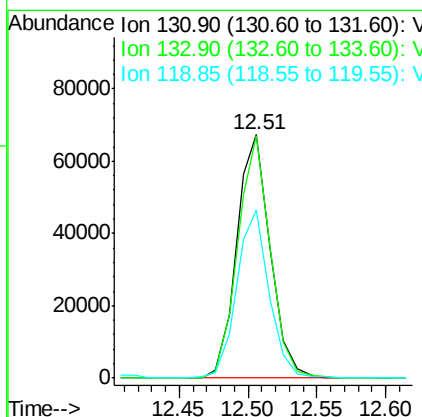
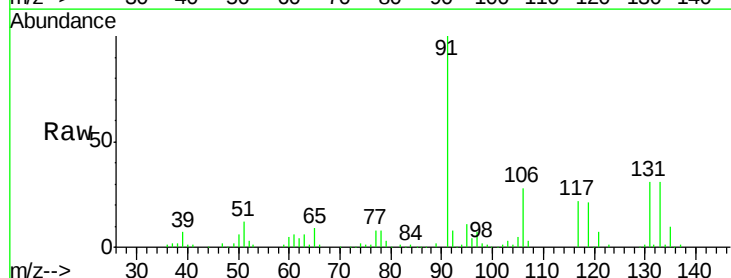
Instrument :
MSVOA_D
ClientSampleId :

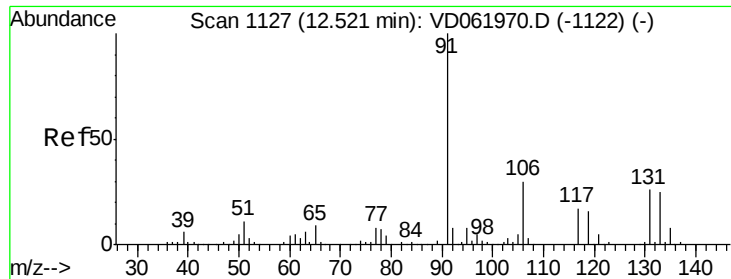
Tot Ion:112 Resp: 268539
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.499 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion:131 Resp: 113637
Ion Ratio Lower Upper
131 100
133 99.6 48.6 145.8
119 69.0 34.7 104.1

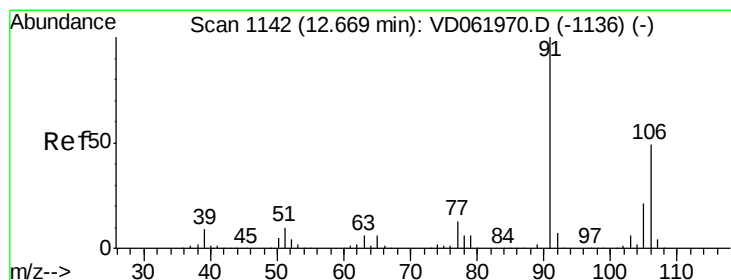
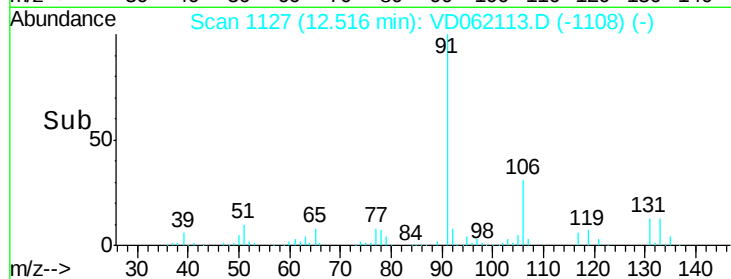
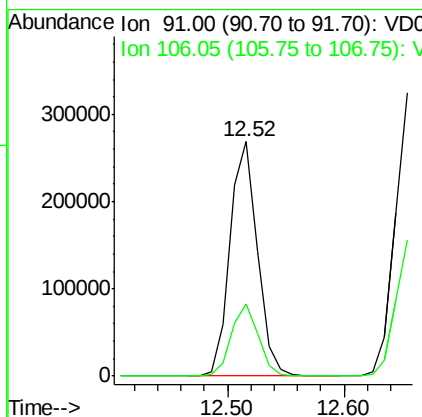
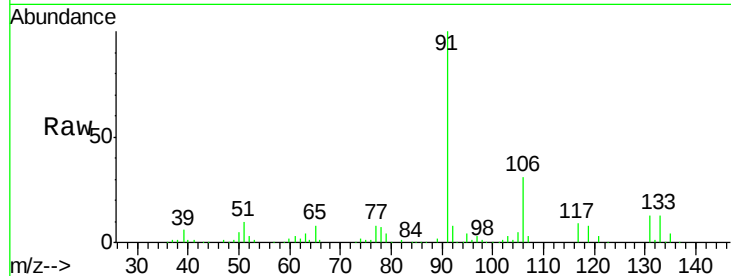




#67
Ethyl Benzene
Concen: 21.495 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

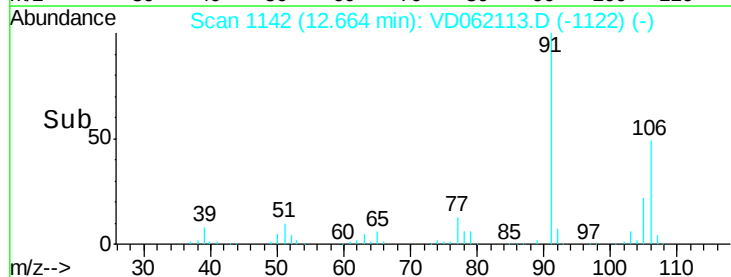
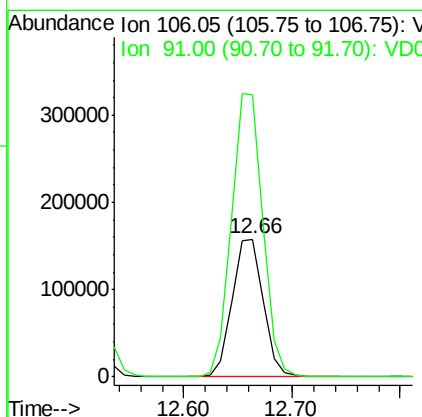
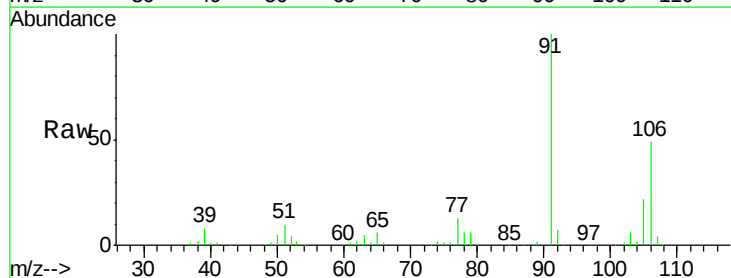
Instrument :
MSVOA_D
ClientSampleId :

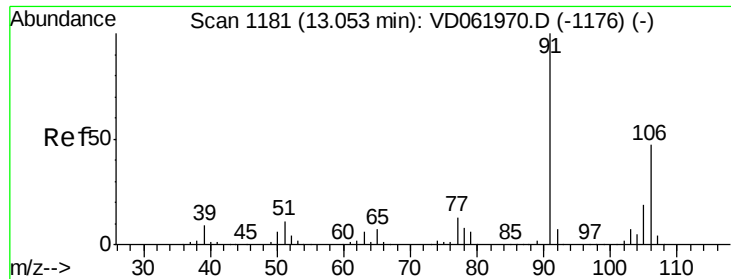
Tot Ion: 91 Resp: 437162
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1



#68
m/p-Xylenes
Concen: 42.624 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion: 106 Resp: 313317
Ion Ratio Lower Upper
106 100
91 205.3 164.0 246.0

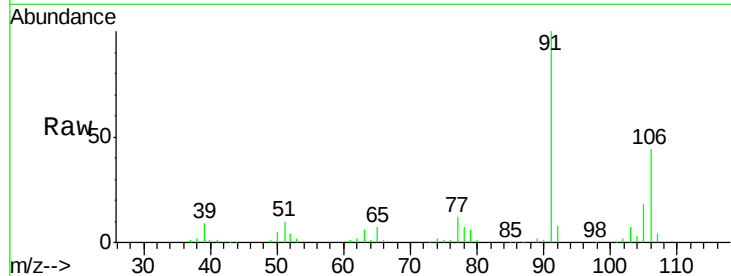




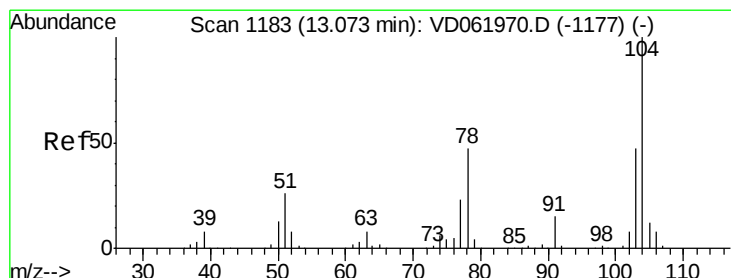
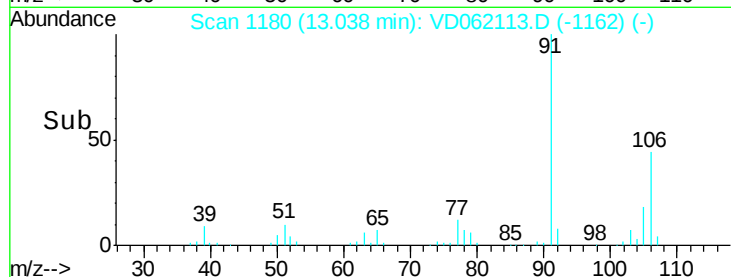
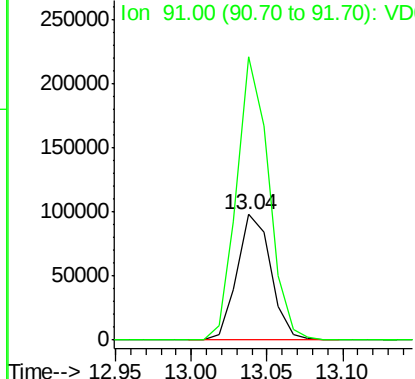
#69
o-Xylene
Concen: 22.649 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 152328
Ion Ratio Lower Upper
106 100
91 225.0 106.7 319.9

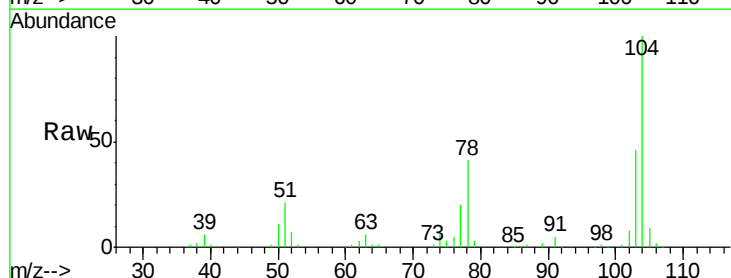


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

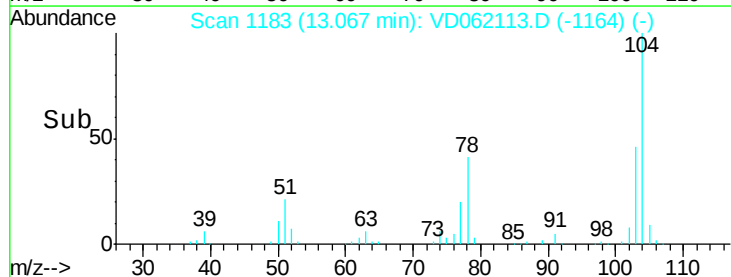
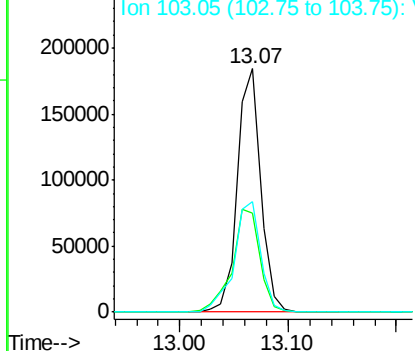


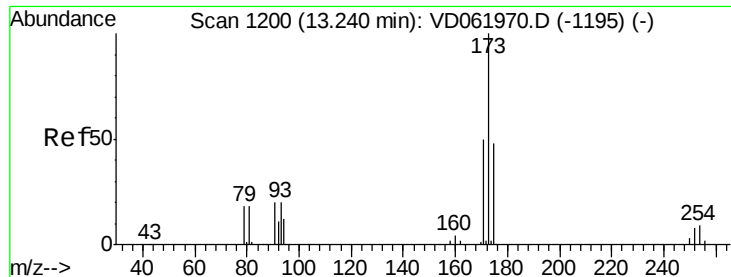
#70
Styrene
Concen: 23.841 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion:104 Resp: 276875
Ion Ratio Lower Upper
104 100
78 40.8 35.4 53.2
103 45.6 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: 21.882 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

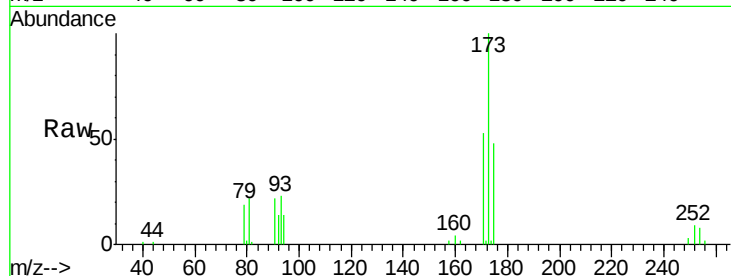
Tot Ion:173 Resp: 65939

Ion Ratio Lower Upper

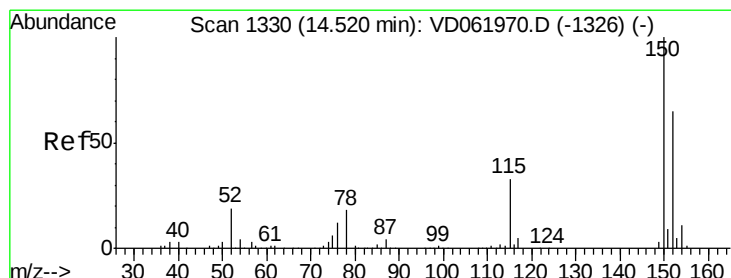
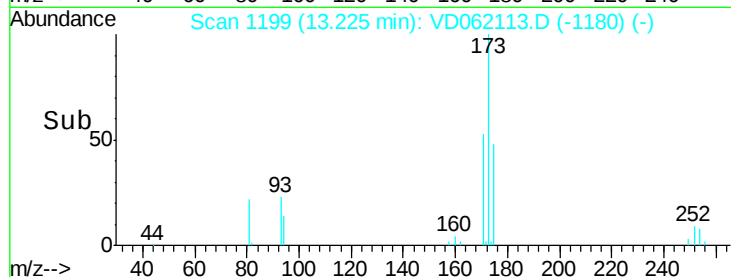
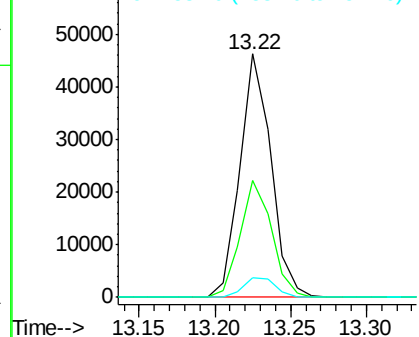
173 100

175 47.9 24.4 73.4

254 8.2 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: VD062113.D

Acq: 2 May 2019 16:03

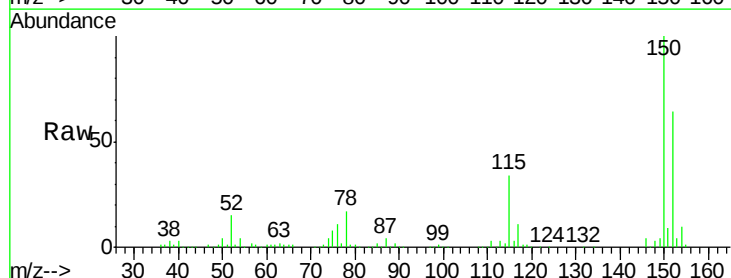
Tgt Ion:152 Resp: 343385

Ion Ratio Lower Upper

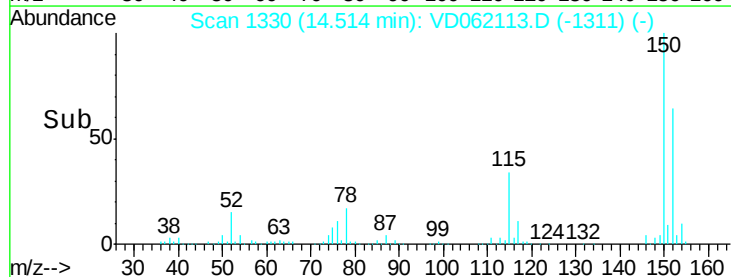
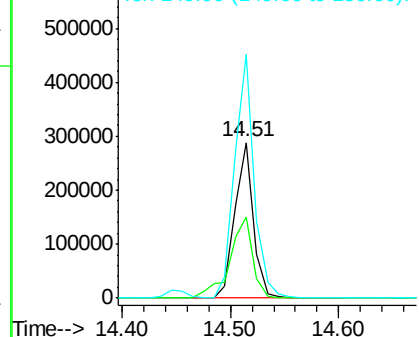
152 100

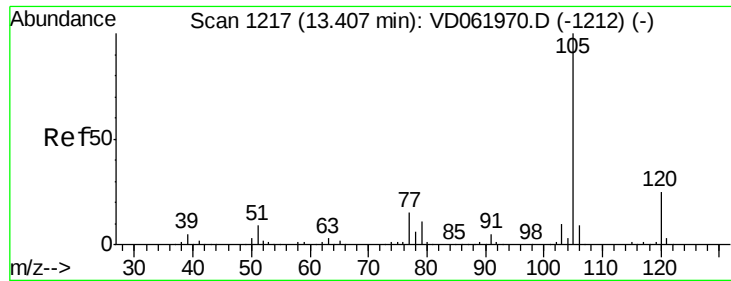
115 52.5 30.9 92.7

150 156.8 0.0 314.8



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





#73

Isopropylbenzene

Concen: 17.273 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

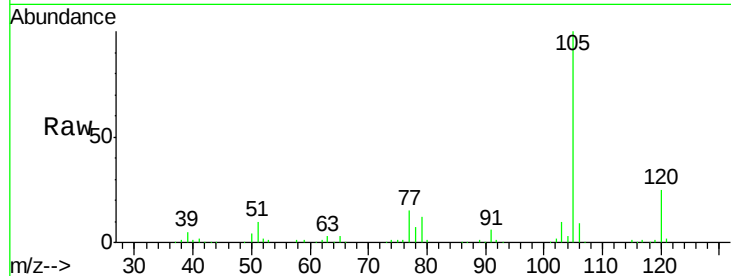
ClientSampleId :

Tot Ion:105 Resp: 395661

Ion Ratio Lower Upper

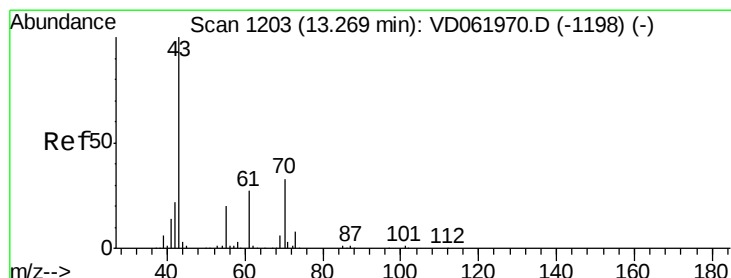
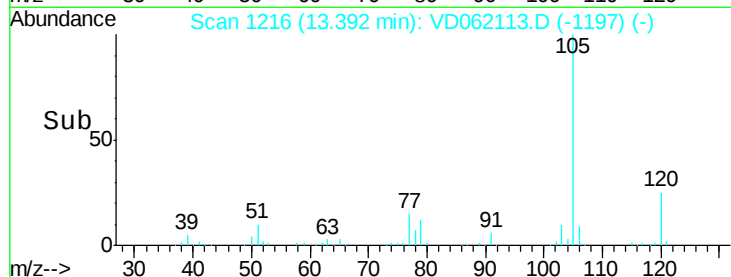
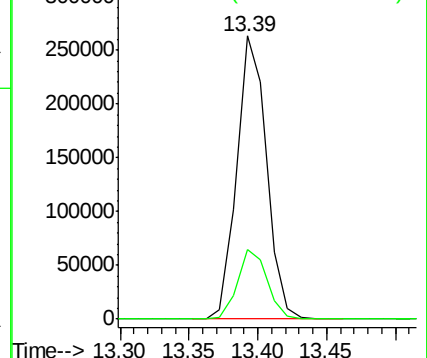
105 100

120 24.6 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: 19.255 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Tgt Ion: 43 Resp: 113586

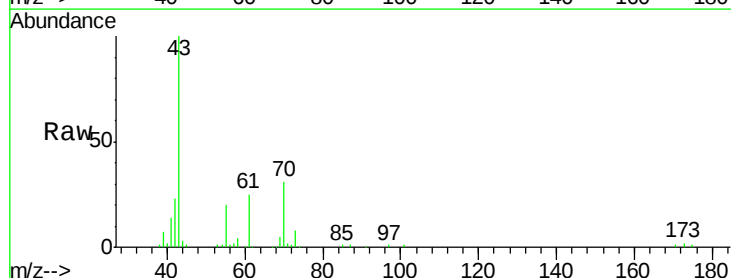
Ion Ratio Lower Upper

43 100

70 30.6 24.2 36.4

55 20.1 16.0 24.0

61 25.3 21.6 32.4

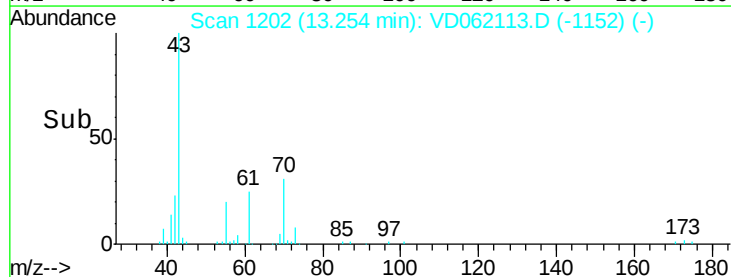
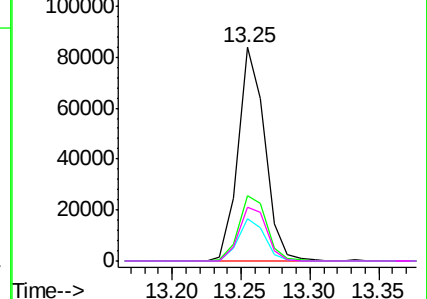


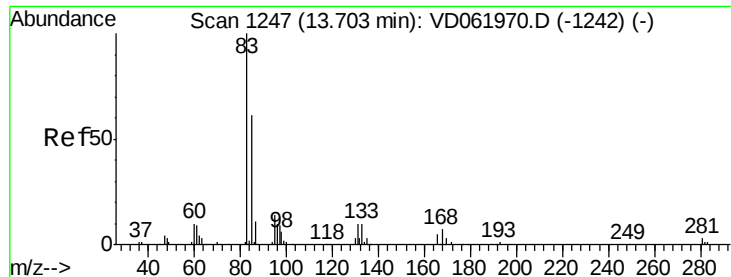
Abundance Ion 42.95 (42.65 to 43.65): V

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: 18.970 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

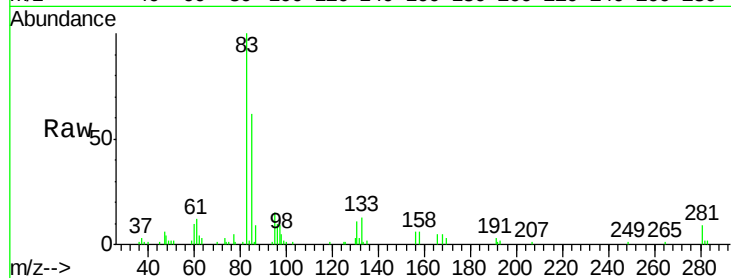
Tot Ion: 83 Resp: 85150

Ion Ratio Lower Upper

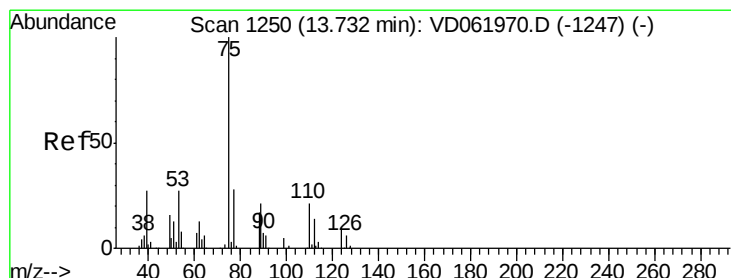
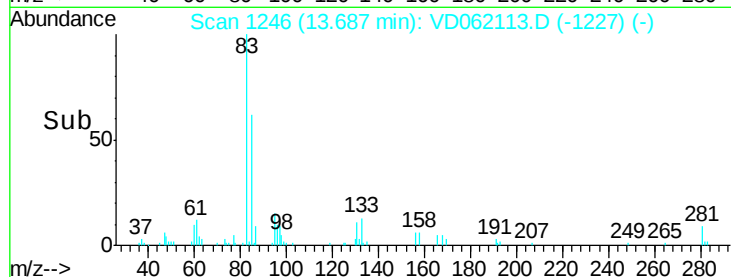
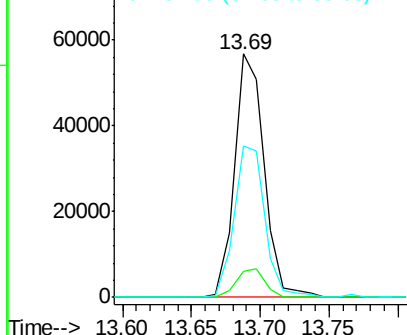
83 100

131 10.7 5.0 14.9

85 62.5 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.173 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD062113.D

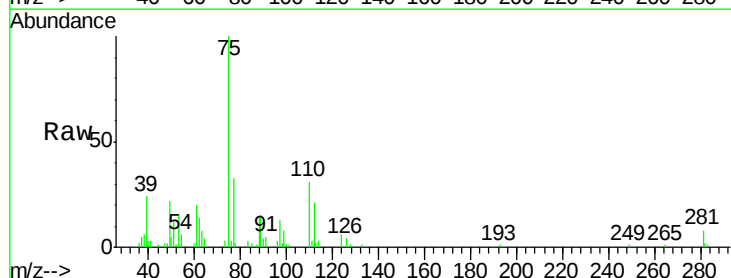
Acq: 2 May 2019 16:03

Tgt Ion: 75 Resp: 83602

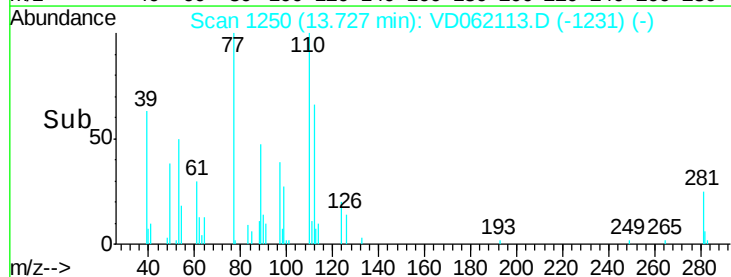
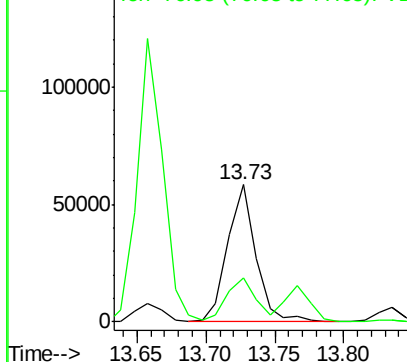
Ion Ratio Lower Upper

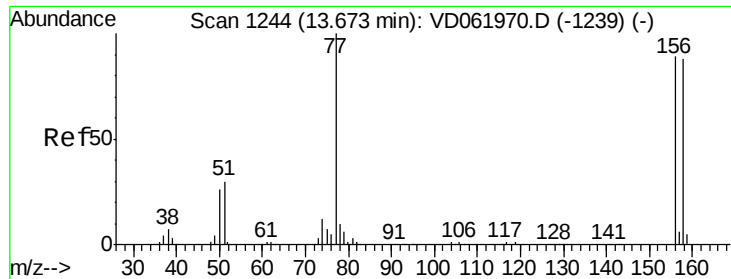
75 100

77 32.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.222 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

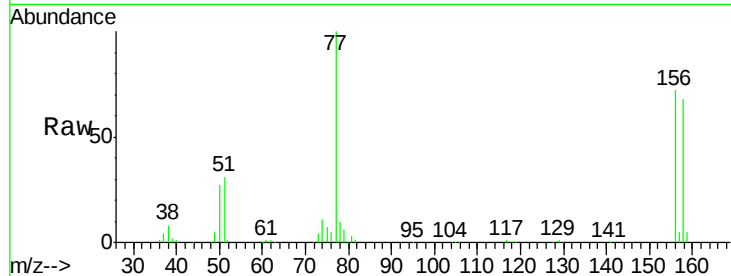
Tot Ion:156 Resp: 126306

Ion Ratio Lower Upper

156 100

77 138.5 53.1 159.4

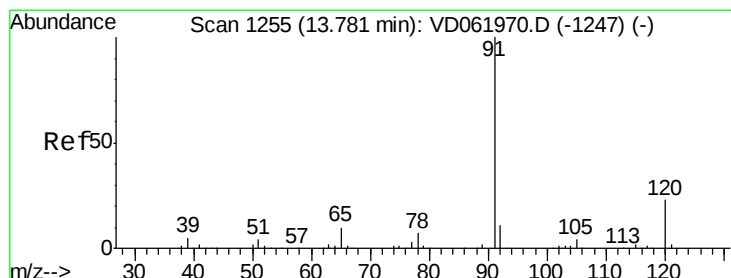
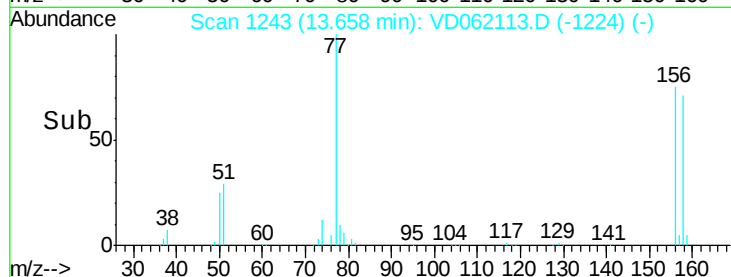
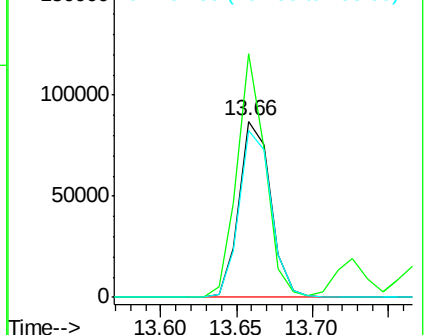
158 94.7 49.4 148.0



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: 19.916 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062113.D

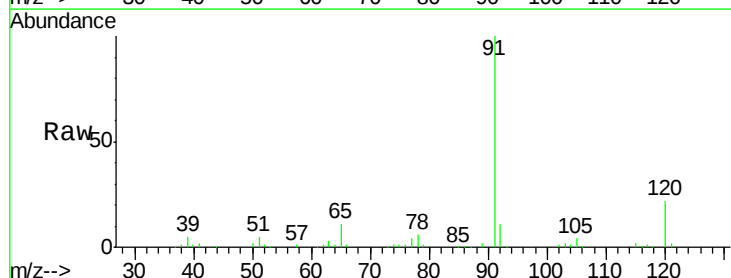
Acq: 2 May 2019 16:03

Tgt Ion: 91 Resp: 522230

Ion Ratio Lower Upper

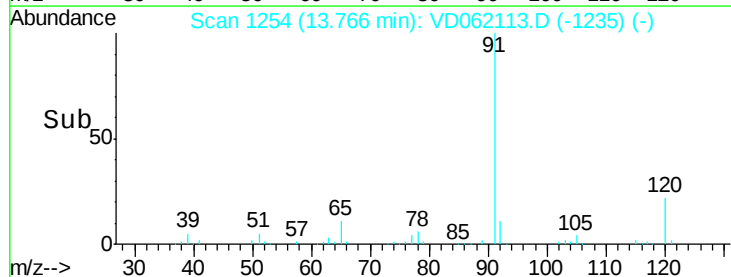
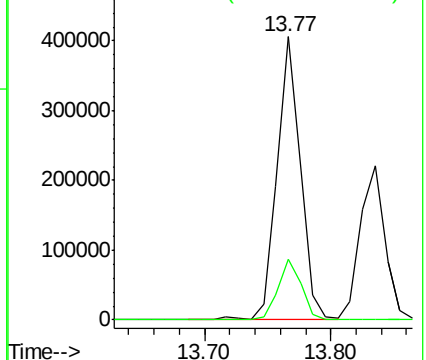
91 100

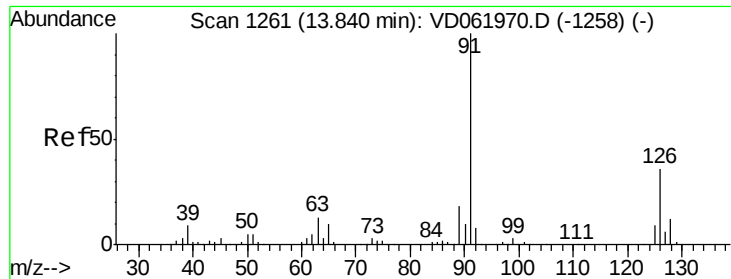
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

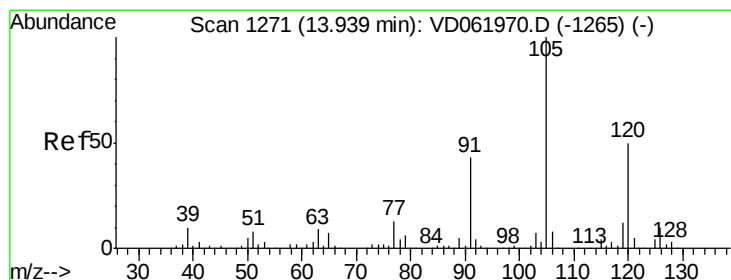
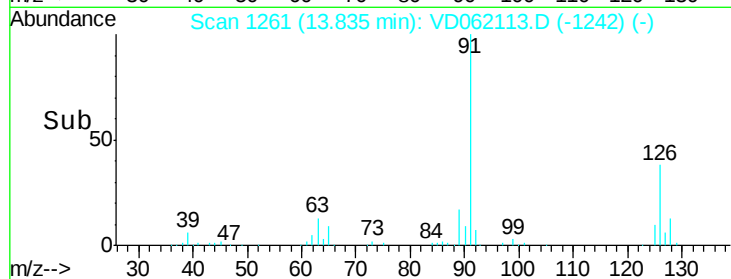
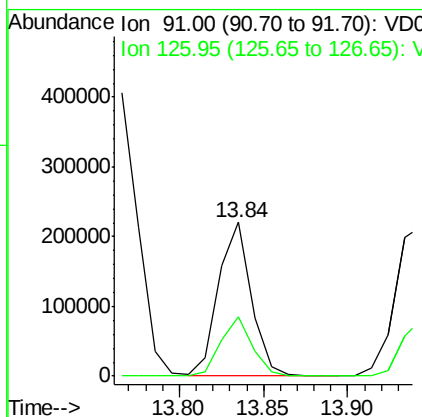
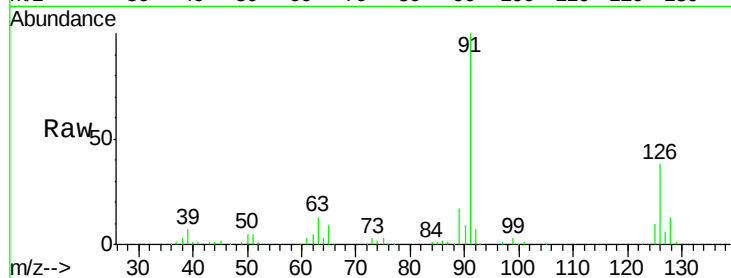




#79
2-Chlorotoluene
Concen: 18.811 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

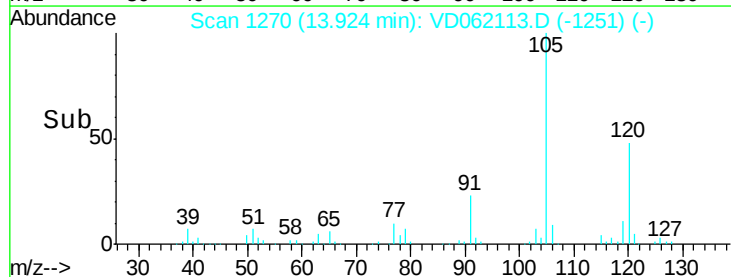
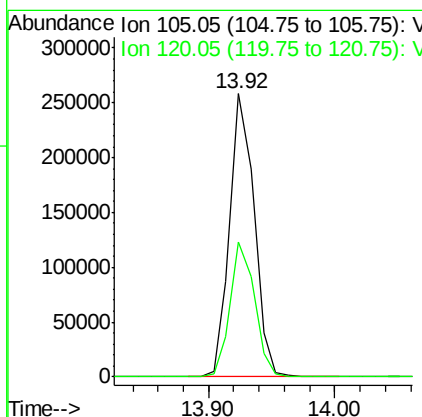
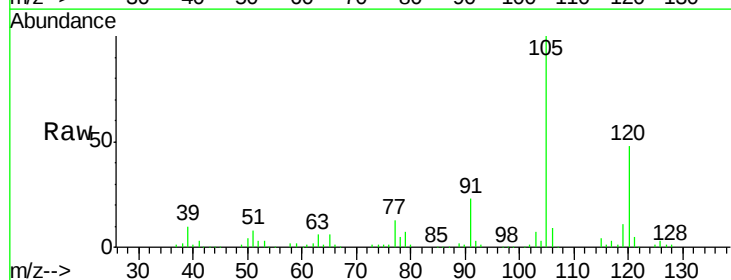
Instrument :
MSVOA_D
ClientSampleId :

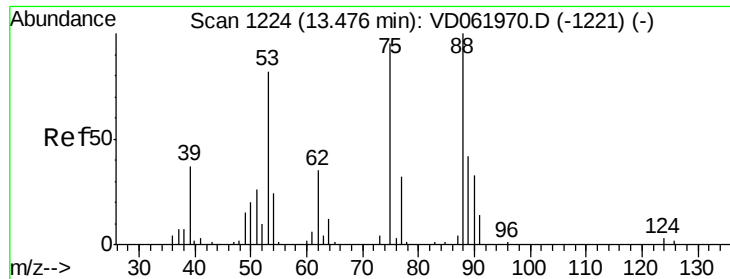
Tot Ion: 91 Resp: 298779
Ion Ratio Lower Upper
91 100
126 38.3 18.6 55.8



#80
1,3,5-Trimethylbenzene
Concen: 19.009 ug/l
RT: 13.92 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion: 105 Resp: 347197
Ion Ratio Lower Upper
105 100
120 47.7 24.0 72.0

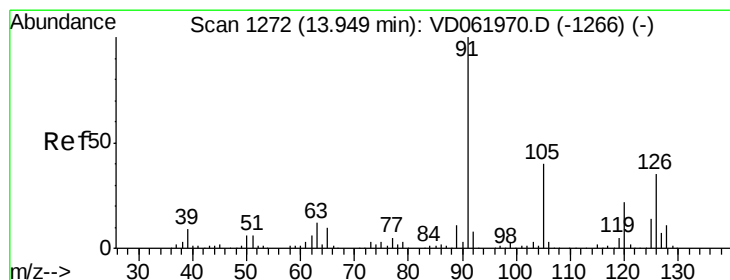
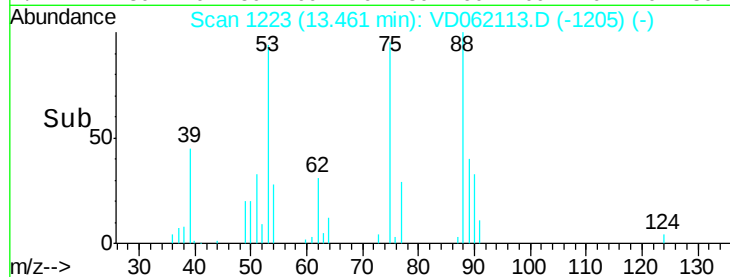
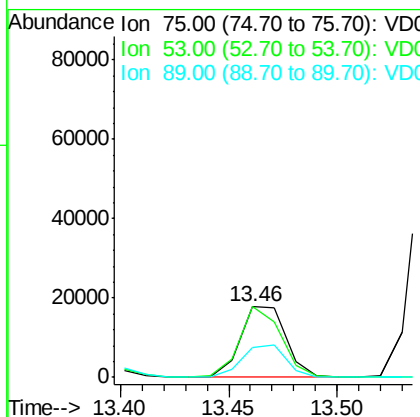
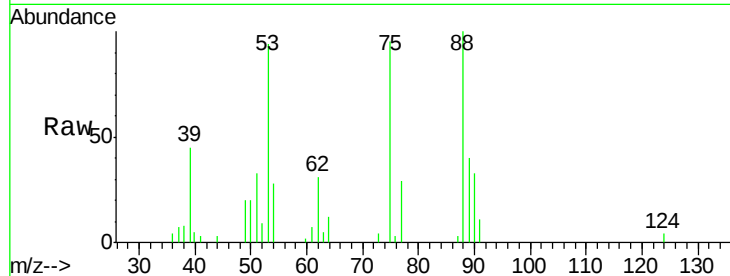




#81
trans-1,4-Dichloro-2-butene
Concen: 19.814 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

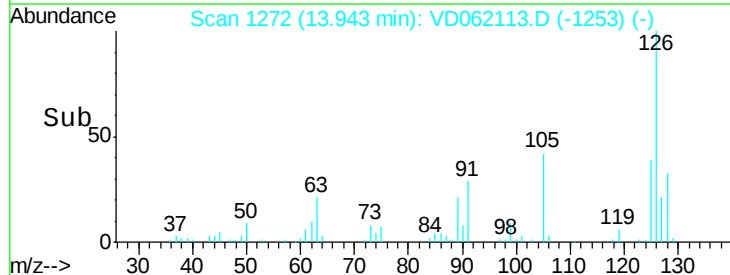
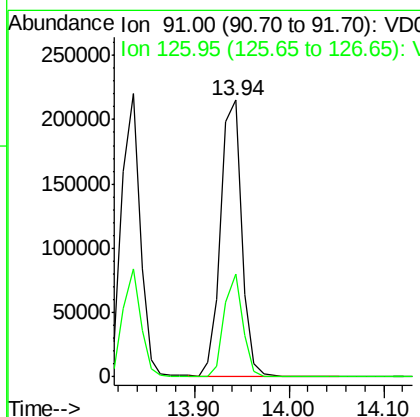
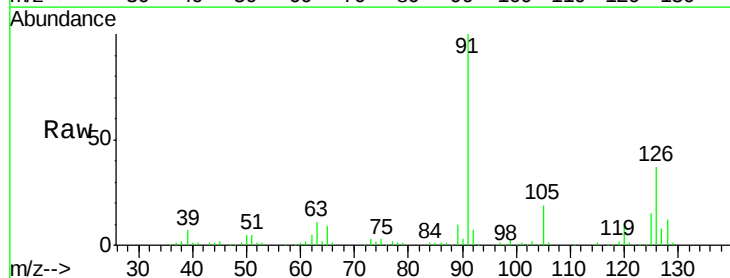
Instrument :
MSVOA_D
ClientSampled :

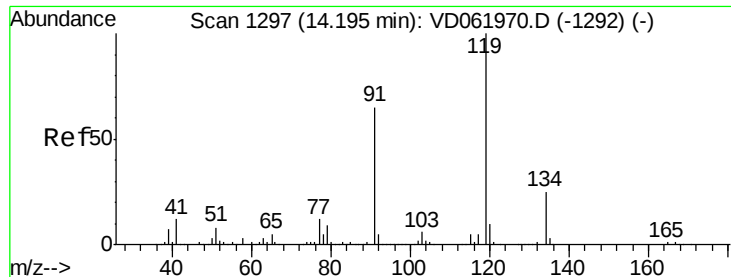
Tot Ion: 75 Resp: 26182
Ion Ratio Lower Upper
75 100
53 99.4 65.8 98.8#
89 41.8 35.0 52.6



#82
4-Chlorotoluene
Concen: 18.968 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion: 91 Resp: 331779
Ion Ratio Lower Upper
91 100
126 37.4 19.1 57.5

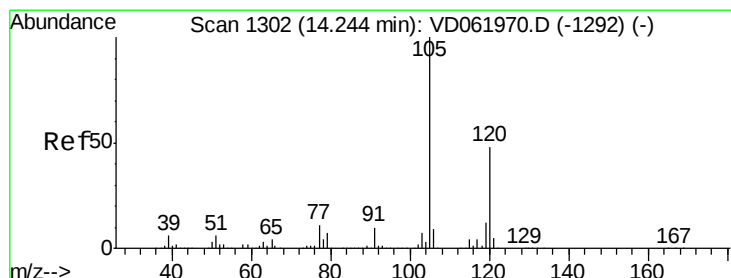
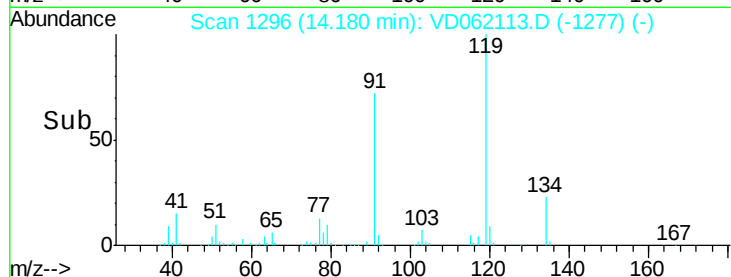
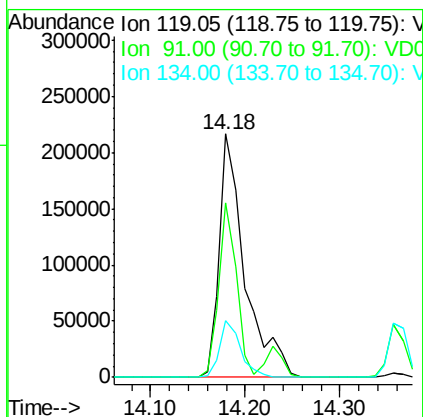
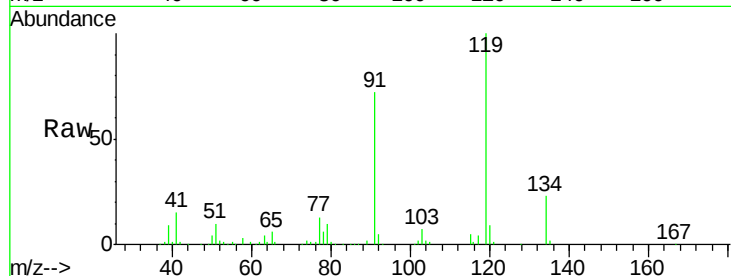




#83
tert-Butylbenzene
Concen: 19.197 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

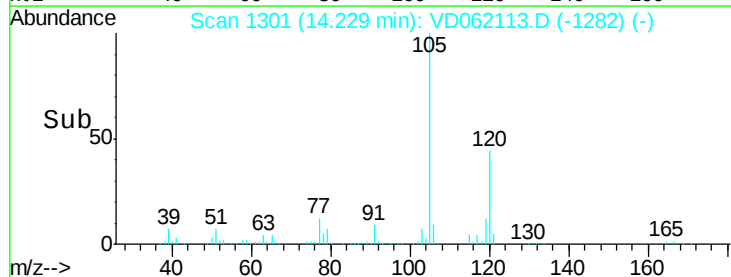
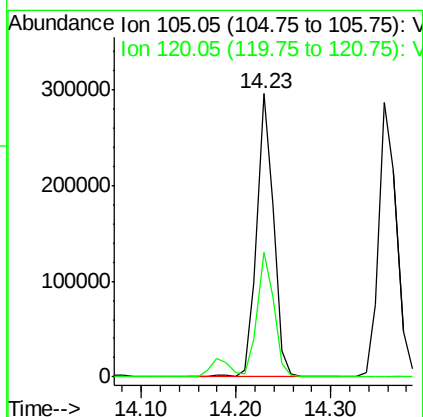
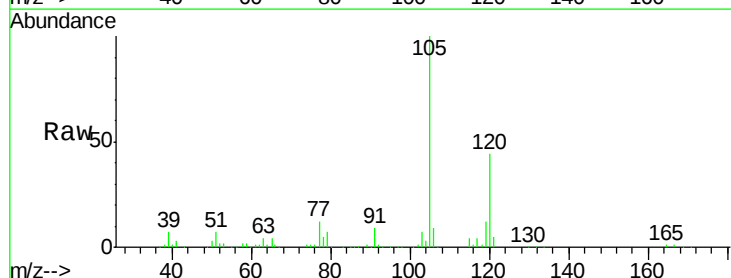
Instrument :
MSVOA_D
ClientSampled :

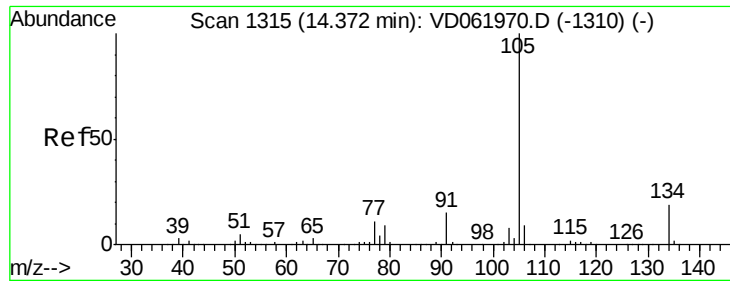
Tot Ion:119 Resp: 406170
Ion Ratio Lower Upper
119 100
91 71.8 34.2 102.6
134 23.5 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 20.928 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion:105 Resp: 364976
Ion Ratio Lower Upper
105 100
120 44.0 23.1 69.2

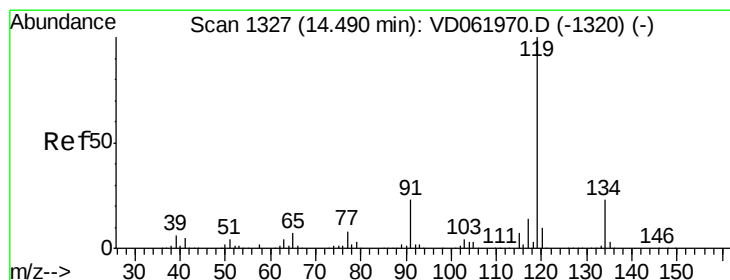
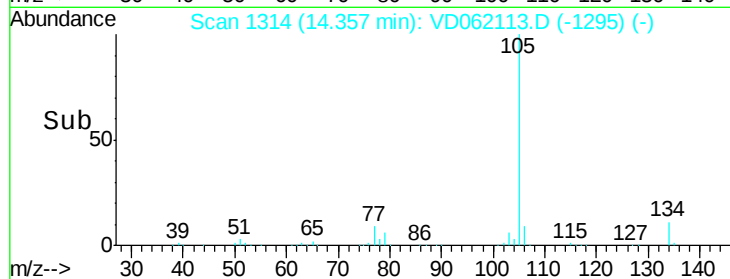
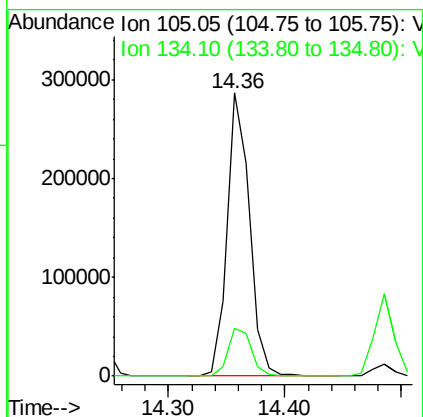
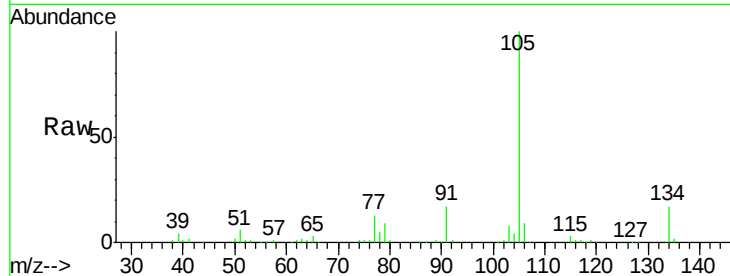




#85
 sec-Butylbenzene
 Concen: 16.572 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

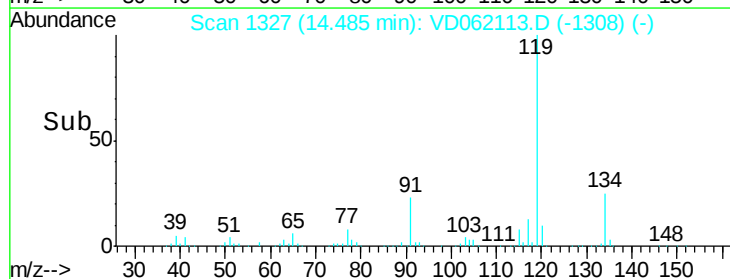
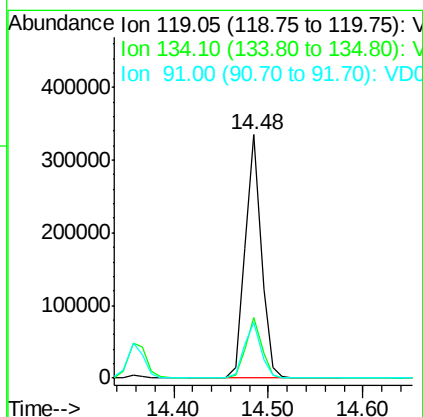
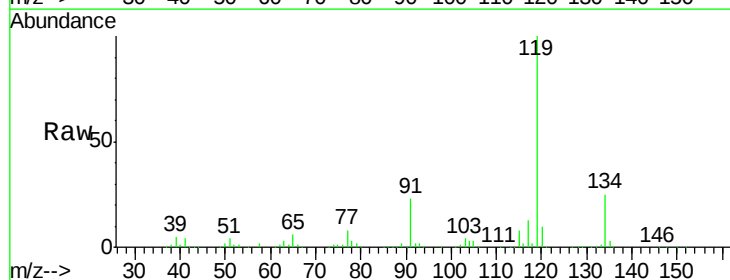
Instrument :
 MSVOA_D
 ClientSampleId :

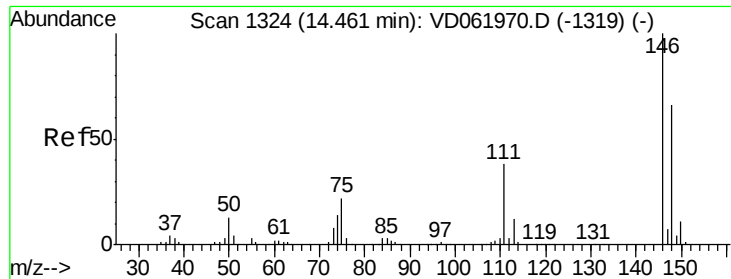
Tot Ion:105 Resp: 378860
 Ion Ratio Lower Upper
 105 100
 134 16.7 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 19.383 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Tgt Ion:119 Resp: 396591
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.8 38.3
 91 22.9 10.7 32.1

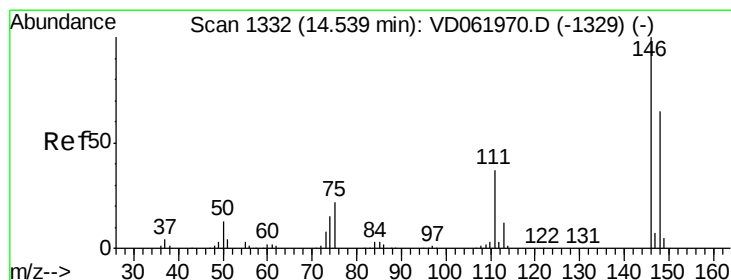
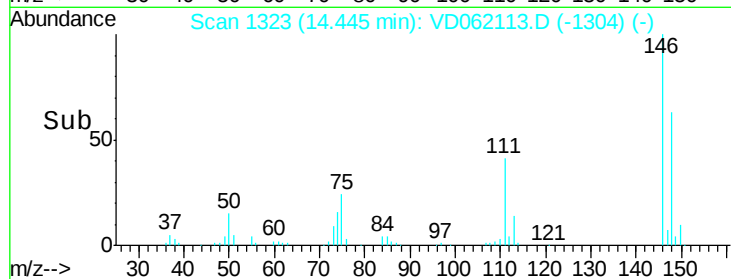
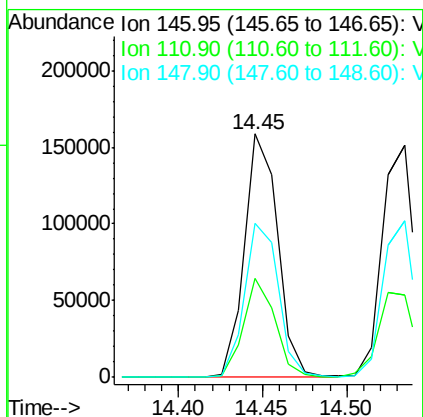
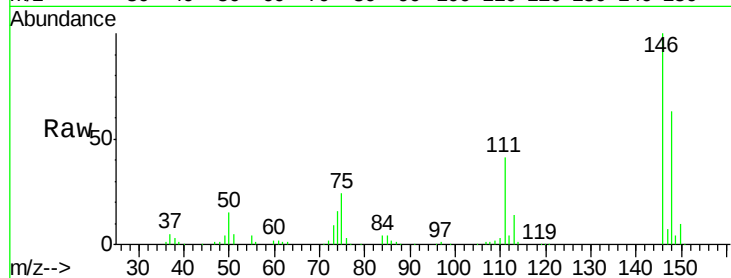




#87
 1,3-Dichlorobenzene
 Concen: 18.900 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

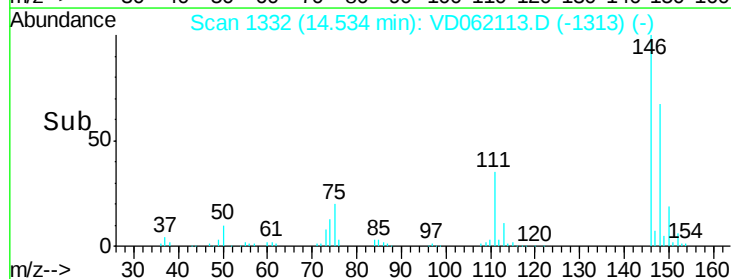
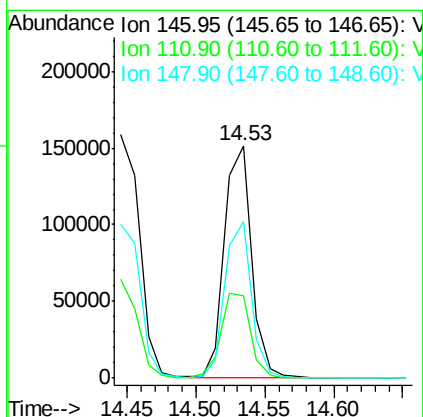
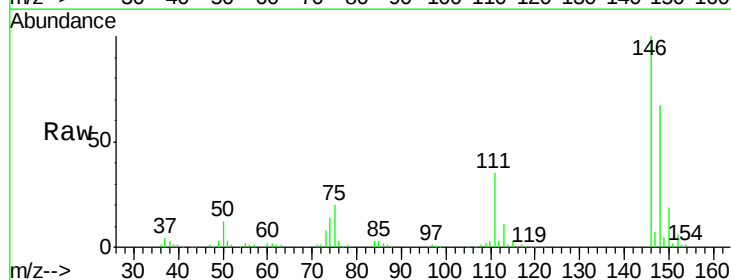
Instrument :
 MSVOA_D
 ClientSampleId :

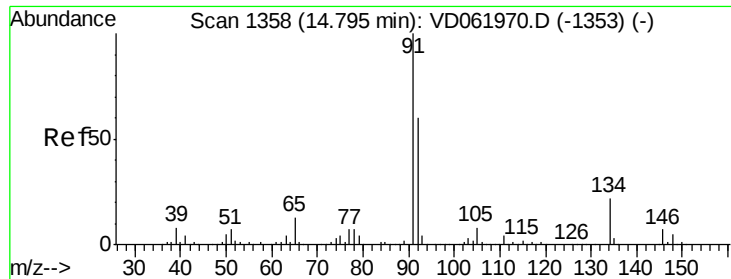
Tot Ion:146 Resp: 217483
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.0 60.0
 148 63.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 19.280 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Tgt Ion:146 Resp: 207478
 Ion Ratio Lower Upper
 146 100
 111 35.4 20.2 60.5
 148 67.2 32.0 96.2





#89

n-Butylbenzene

Concen: 18.927 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

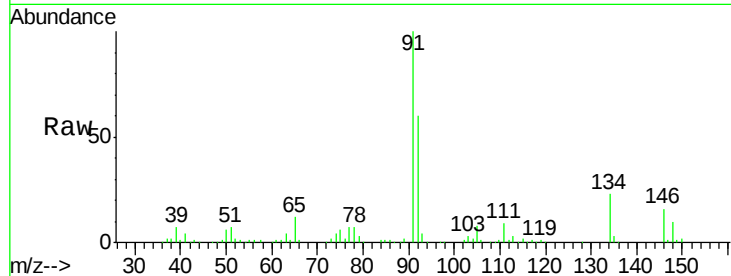
Tot Ion: 91 Resp: 347667

Ion Ratio Lower Upper

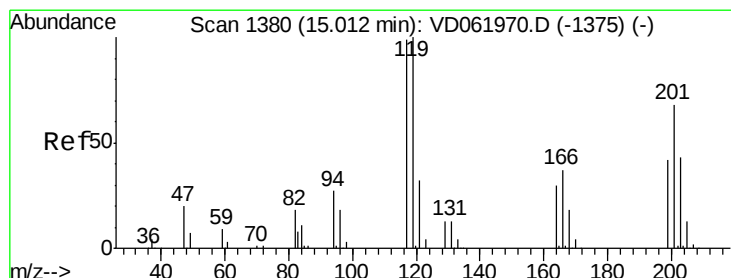
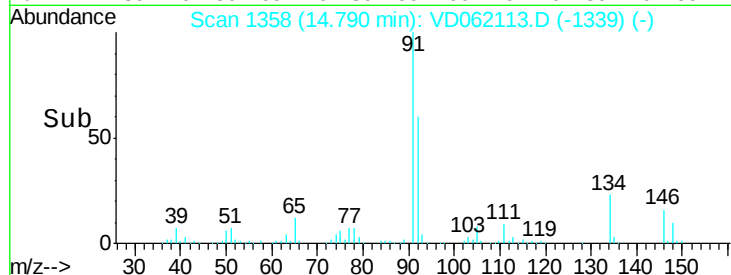
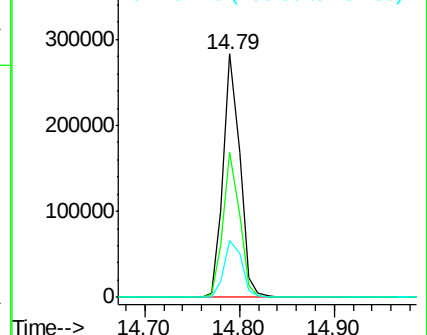
91 100

92 59.6 30.3 91.0

134 23.3 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.527 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062113.D

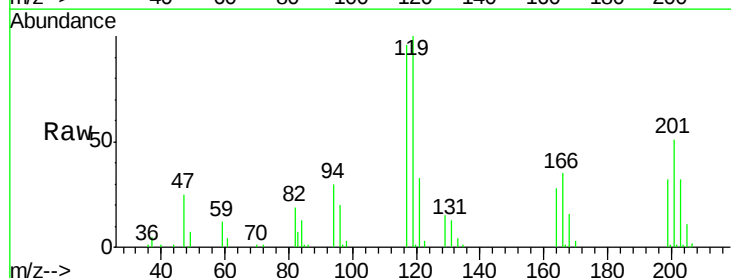
Acq: 2 May 2019 16:03

Tgt Ion: 117 Resp: 108035

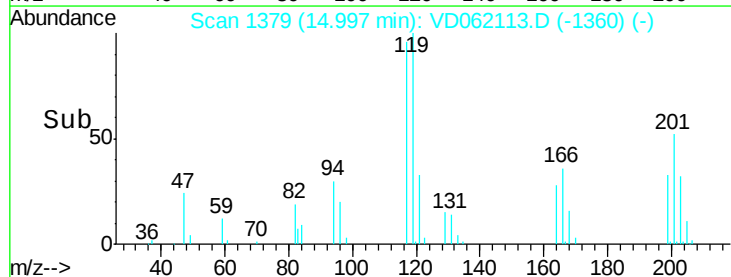
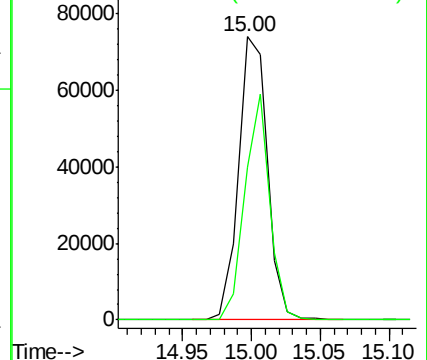
Ion Ratio Lower Upper

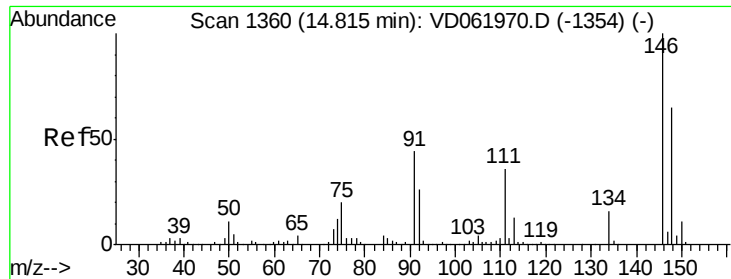
117 100

201 53.8 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC
Ion 200.75 (200.45 to 201.45): VDC

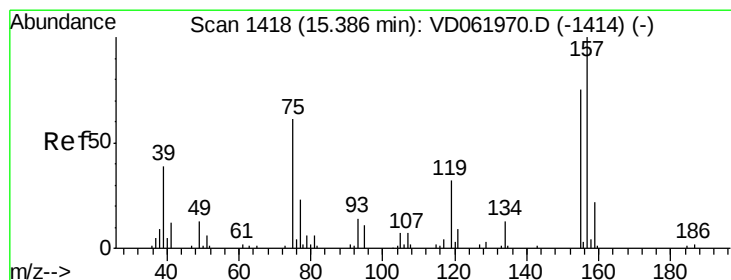
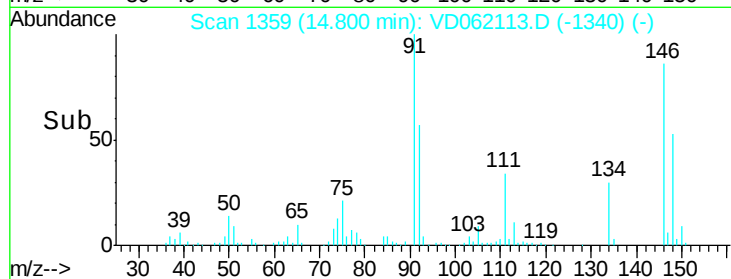
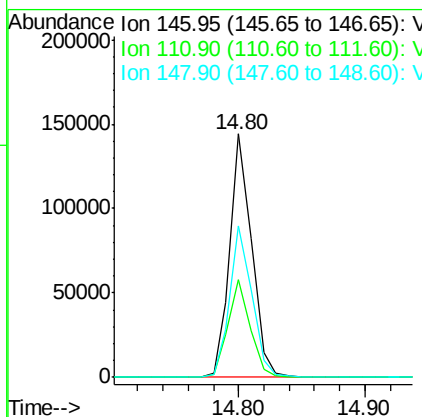
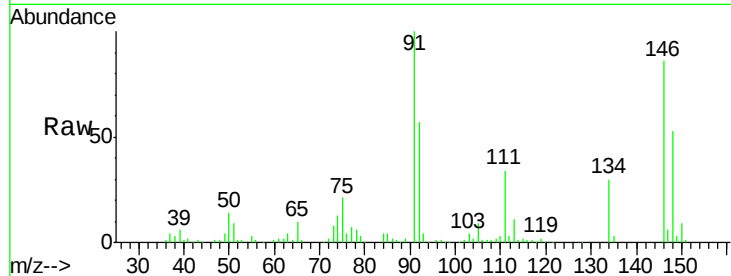




#91
 1,2-Dichlorobenzene
 Concen: 18.204 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

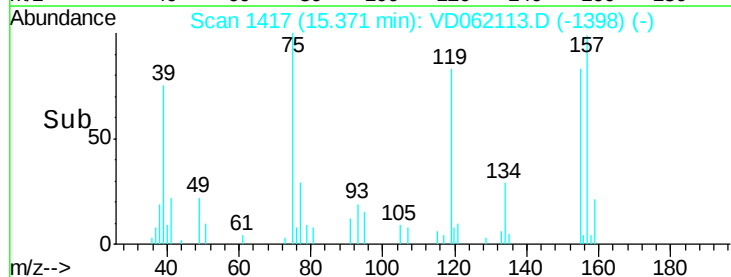
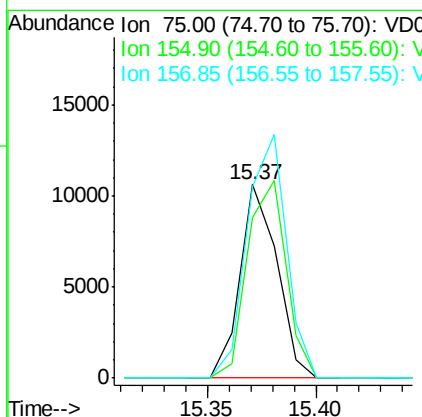
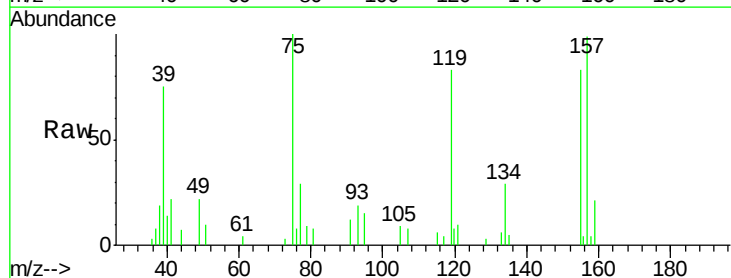
Instrument :
 MSVOA_D
 ClientSampleId :

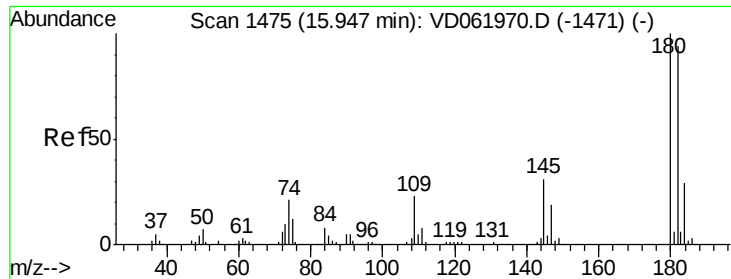
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	62.0	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.670 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	55.3	165.8
157	98.8	67.8	203.2

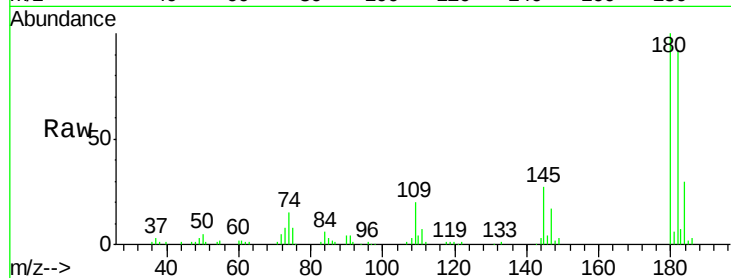




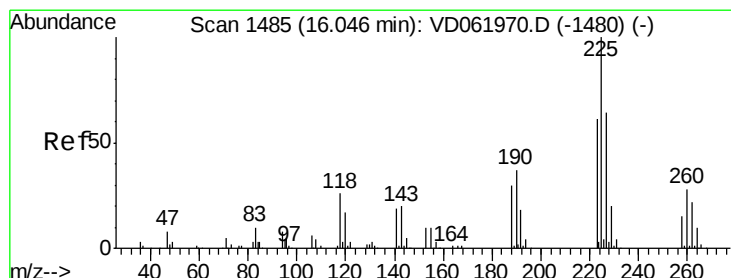
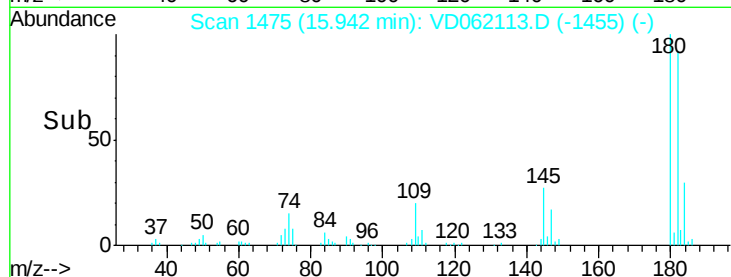
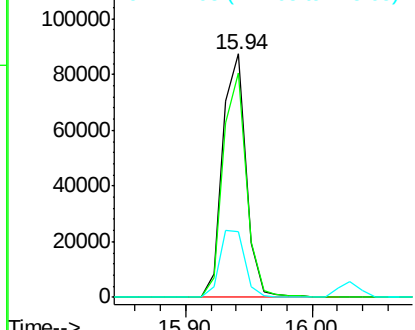
#93
 1,2,4-Trichlorobenzene
 Concen: 21.979 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 112568
 Ion Ratio Lower Upper
 180 100
 182 92.2 49.3 147.8
 145 27.1 16.2 48.6

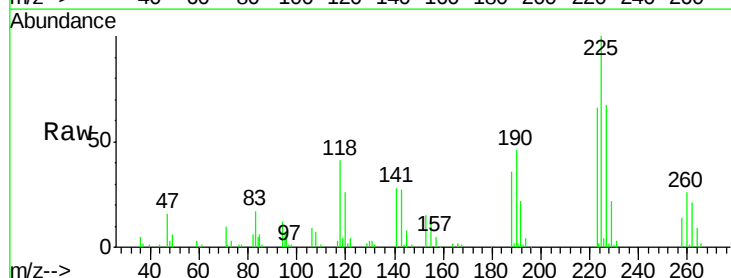


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

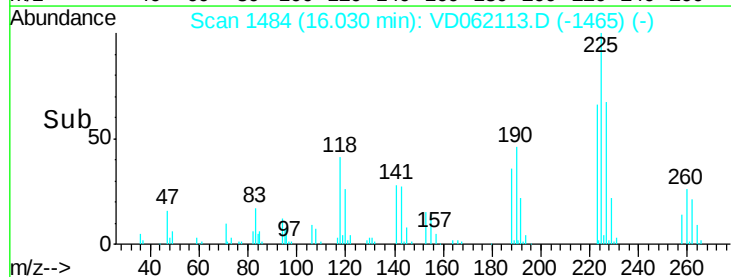
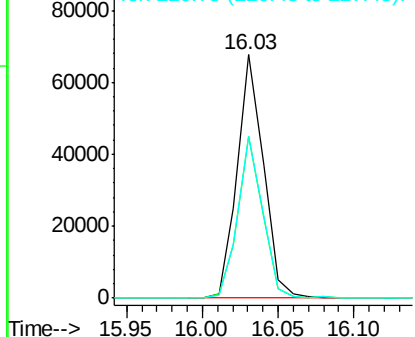


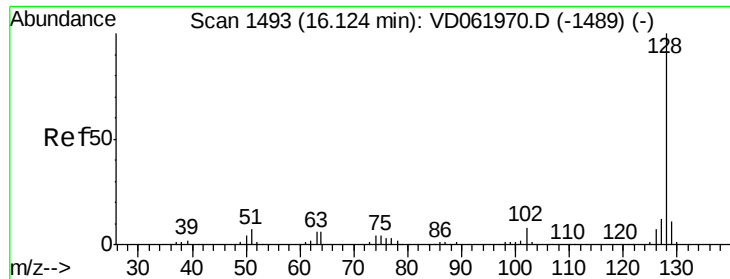
#94
 Hexachlorobutadiene
 Concen: 21.399 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Tgt Ion:225 Resp: 81106
 Ion Ratio Lower Upper
 225 100
 223 66.2 30.6 92.0
 227 66.7 32.0 96.2



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

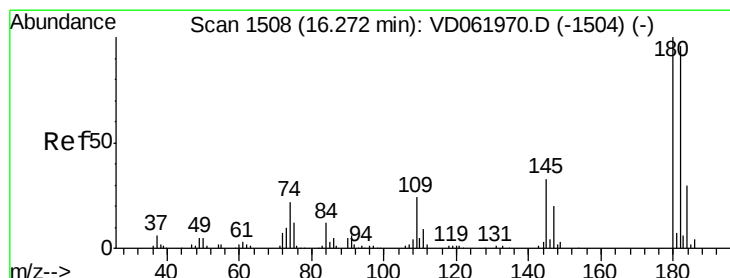
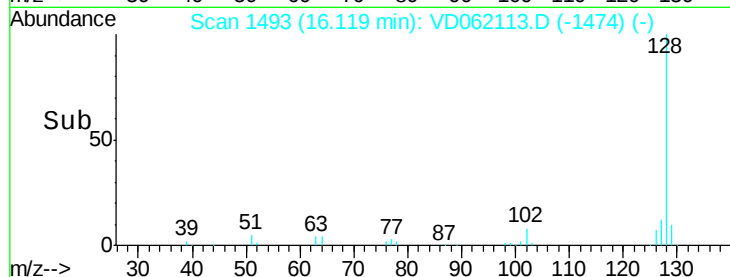
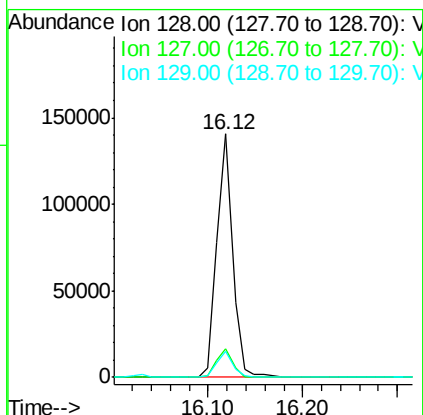
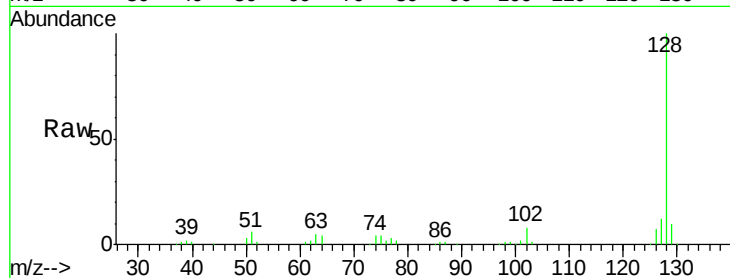




#95
Naphthalene
Concen: 19.917 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 164697
Ion Ratio Lower Upper
128 100
127 12.0 9.8 14.8
129 10.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 26.455 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion:180 Resp: 76874
Ion Ratio Lower Upper
180 100
182 90.2 47.0 141.0
145 29.0 17.0 51.0

