

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050219\
 Data File : VD062111.D
 Acq On : 2 May 2019 15:05
 Operator : FY/SY
 Sample : VD0502SBS02
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 03 01:09:00 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	7.02	168	530342	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	826015	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	721240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	345897	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	235304	56.69	ug/l	-0.02
Spiked Amount			Recovery	=	113.38%	
35) Dibromofluoromethane	6.91	113	339437	59.42	ug/l	-0.03
Spiked Amount			Recovery	=	118.84%	
50) Toluene-d8	10.39	98	724144	53.27	ug/l	-0.03
Spiked Amount			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	13.55	95	322250	59.10	ug/l	0.00
Spiked Amount			Recovery	=	118.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	85421	18.038	ug/l	96
3) Chloromethane	1.74	50	75496	18.757	ug/l	96
4) Vinyl Chloride	1.84	62	72819	19.961	ug/l	98
5) Bromomethane	2.13	94	20818	18.997	ug/l	96
6) Chloroethane	2.24	64	26322	19.961	ug/l #	86
7) Trichlorofluoromethane	2.52	101	123660	22.419	ug/l	97
8) Diethyl Ether	2.86	74	32663	22.095	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	117245	23.075	ug/l	100
10) Methyl Iodide	3.29	142	128362	20.210	ug/l	100
11) Tert butyl alcohol	4.04	59	30504	130.070	ug/l	95
12) 1,1-Dichloroethene	3.11	96	95676	22.133	ug/l	97
13) Acrolein	3.02	56	20682	84.996	ug/l	96
14) Allyl chloride	3.60	41	145112	24.583	ug/l	97
15) Acrylonitrile	4.17	53	94612	130.284	ug/l	93
16) Acetone	3.20	43	111115	112.115	ug/l	94
17) Carbon Disulfide	3.36	76	264124	21.144	ug/l	97
18) Methyl Acetate	3.62	43	51220	27.525	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	209966	24.480	ug/l	98
20) Methylene Chloride	3.79	84	115943	22.261	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	113631	22.914	ug/l	94
22) Diisopropyl ether	5.08	45	319582	23.189	ug/l	91
23) Vinyl Acetate	5.03	43	893971	124.561	ug/l	100
24) 1,1-Dichloroethane	4.96	63	187752	22.540	ug/l	97
25) 2-Butanone	6.05	43	137313	114.274	ug/l	97
26) 2,2-Dichloropropane	6.00	77	158023	21.746	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	117599	20.845	ug/l	93
28) Bromochloromethane	6.41	49	71054	22.294	ug/l	92
29) Tetrahydrofuran	6.43	42	69008	116.555	ug/l	99
30) Chloroform	6.64	83	218189	23.062	ug/l	100
31) Cyclohexane	6.94	56	128433	20.773	ug/l	97
32) 1,1,1-Trichloroethane	6.85	97	184103	22.364	ug/l	99
36) 1,1-Dichloropropene	7.12	75	152080	23.631	ug/l	97
37) Ethyl Acetate	6.16	43	67083	24.461	ug/l	96
38) Carbon Tetrachloride	7.09	117	196483	24.094	ug/l	99

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Quant Time: May 03 01:09:00 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	140752	22.168	ug/l	97
40) Benzene	7.44	78	367365	23.058	ug/l	98
41) Methacrylonitrile	6.43	41	79162	24.740	ug/l #	86
42) 1,2-Dichloroethane	7.56	62	126549	23.394	ug/l	100
43) Isopropyl Acetate	9.22	43	96868	24.174	ug/l	100
44) Trichloroethene	8.52	130	134499	21.775	ug/l	99
45) 1,2-Dichloropropane	8.92	63	91919	22.742	ug/l	98
46) Dibromomethane	9.05	93	64671	22.236	ug/l	88
47) Bromodichloromethane	9.36	83	158213	23.023	ug/l	98
48) Methyl methacrylate	9.10	41	55273	24.176	ug/l	96
49) 1,4-Dioxane	9.06	88	12193	494.676	ug/l	94
51) 4-Methyl-2-Pentanone	10.28	43	301453	123.015	ug/l	98
52) Toluene	10.50	92	217118	21.373	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	143682	24.909	ug/l	95
54) cis-1,3-Dichloropropene	10.03	75	160983	22.946	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	82008	24.046	ug/l	95
56) Ethyl methacrylate	11.03	69	86413	22.877	ug/l	97
57) 1,3-Dichloropropane	11.39	76	121512	23.069	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	241984	137.793	ug/l	98
59) 2-Hexanone	11.52	43	214951	116.932	ug/l	97
60) Dibromochloromethane	11.67	129	127399	22.576	ug/l	100
61) 1,2-Dibromoethane	11.80	107	93257	23.051	ug/l	95
64) Tetrachloroethene	11.25	164	104850	20.379	ug/l	96
65) Chlorobenzene	12.39	112	298934	21.934	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	125732	21.749	ug/l	96
67) Ethyl Benzene	12.52	91	489133	21.989	ug/l	98
68) m/p-Xylenes	12.65	106	344210	42.813	ug/l	96
69) o-Xylene	13.04	106	169153	22.994	ug/l	99
70) Styrene	13.07	104	289217	22.770	ug/l	96
71) Bromoform	13.23	173	71673	21.746	ug/l	98
73) Isopropylbenzene	13.39	105	453054	19.635	ug/l	99
74) N-amyl acetate	13.26	43	122687	20.646	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	92499	20.457	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	93992	21.399	ug/l	100
77) Bromobenzene	13.66	156	137737	20.809	ug/l	87
78) n-propylbenzene	13.77	91	560540	21.221	ug/l	100
79) 2-Chlorotoluene	13.84	91	316191	19.763	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	383126	20.824	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	27869	20.937	ug/l	92
82) 4-Chlorotoluene	13.94	91	366993	20.829	ug/l	99
83) tert-Butylbenzene	14.18	119	432966	20.315	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	359804	20.481	ug/l	99
85) sec-Butylbenzene	14.36	105	473836	20.576	ug/l	100
86) p-Isopropyltoluene	14.49	119	437369	21.221	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	238219	20.552	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	225252	20.780	ug/l	98
89) n-Butylbenzene	14.79	91	414983	22.427	ug/l	97
90) Hexachloroethane	15.00	117	115814	20.781	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	217143	22.710	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	12007	19.663	ug/l	90

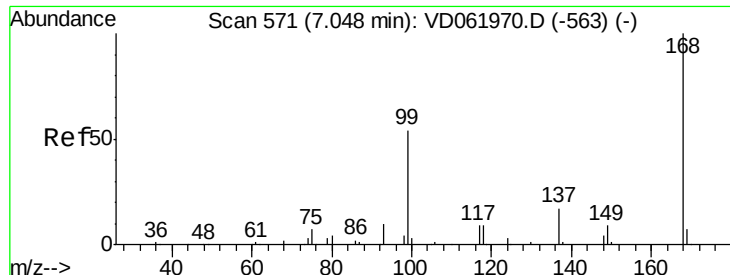
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050219\
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Quant Time: May 03 01:09:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Thu May 02 07:55:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	122165	23.680	ug/l	94
94) Hexachlorobutadiene	16.03	225	79006	20.694	ug/l	98
95) Naphthalene	16.12	128	187826	22.549	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	78391	26.781	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

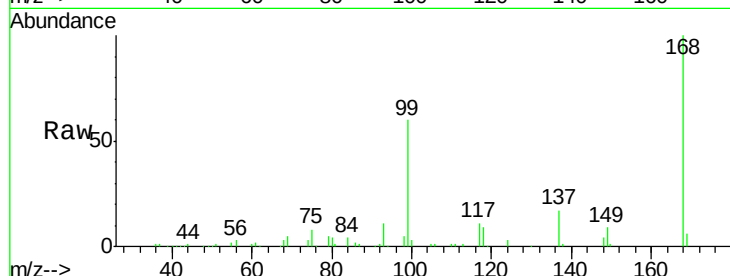
ClientSampleId :

Tot Ion:168 Resp: 530342

Ion Ratio Lower Upper

168 100

99 59.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

150000

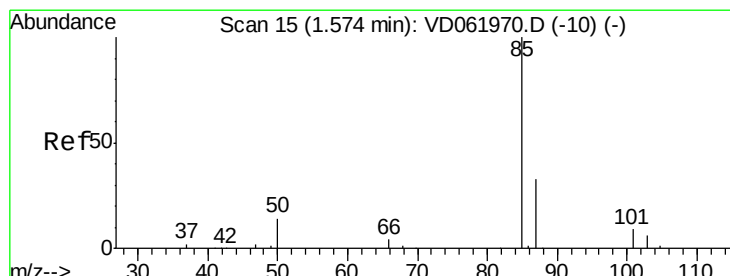
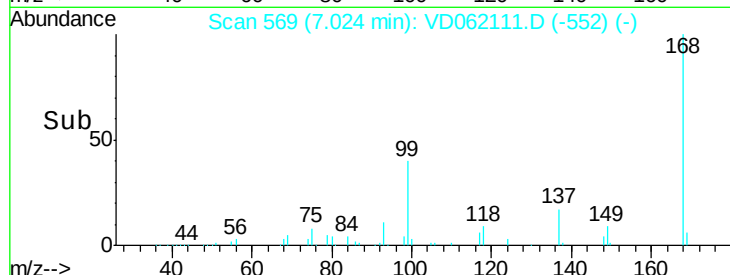
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 18.038 ug/l

RT: 1.56 min Scan# 14

Delta R.T. -0.03 min

Lab File: VD062111.D

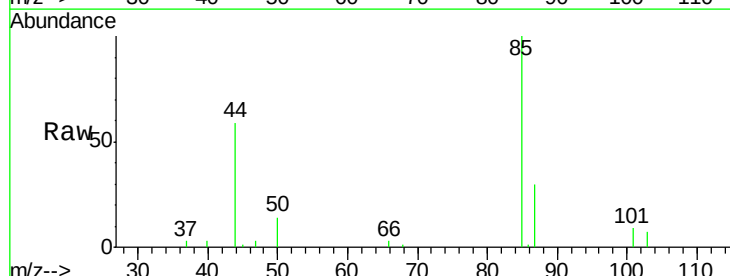
Acq: 2 May 2019 15:05

Tgt Ion: 85 Resp: 85421

Ion Ratio Lower Upper

85 100

87 30.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

40000

30000

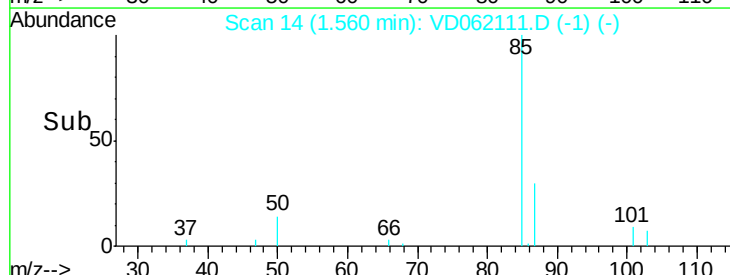
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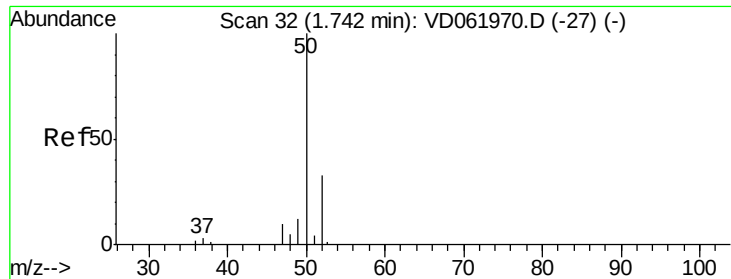
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 18.757 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.02 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

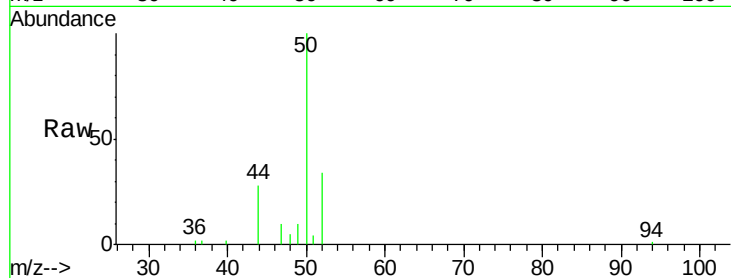
ClientSampleId :

Tot Ion: 50 Resp: 75496

Ion Ratio Lower Upper

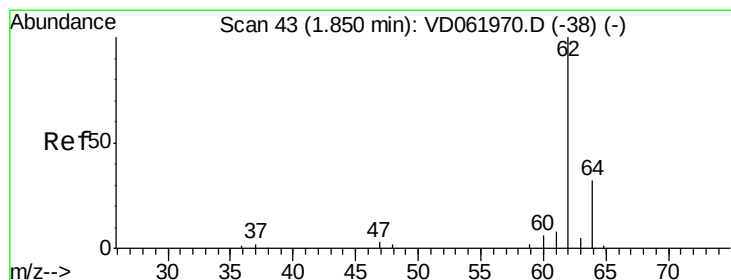
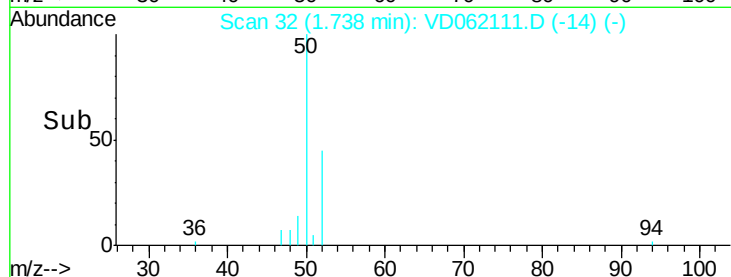
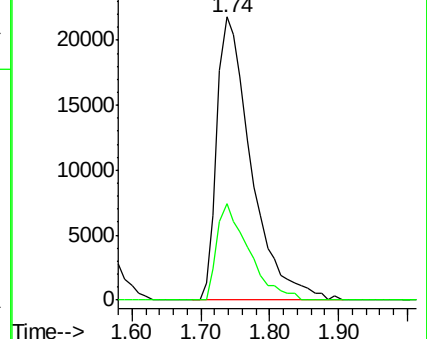
50 100

52 34.0 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.961 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD062111.D

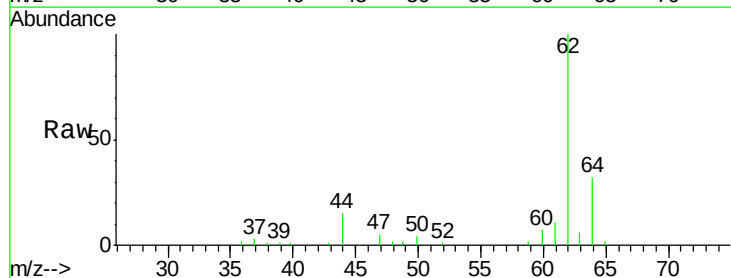
Acq: 2 May 2019 15:05

Tgt Ion: 62 Resp: 72819

Ion Ratio Lower Upper

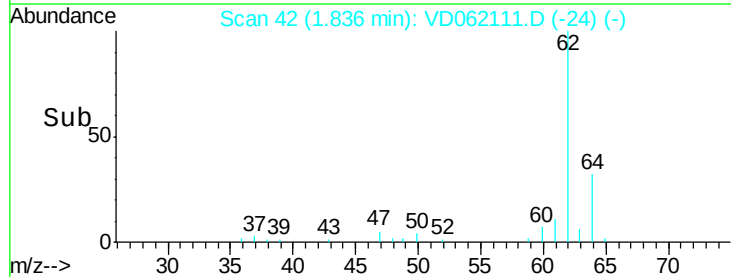
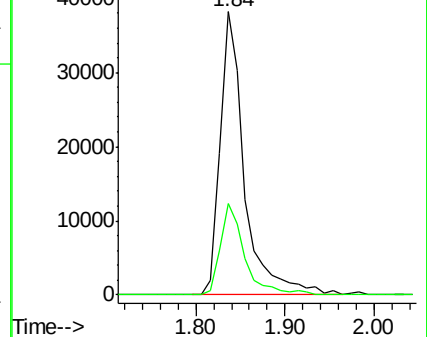
62 100

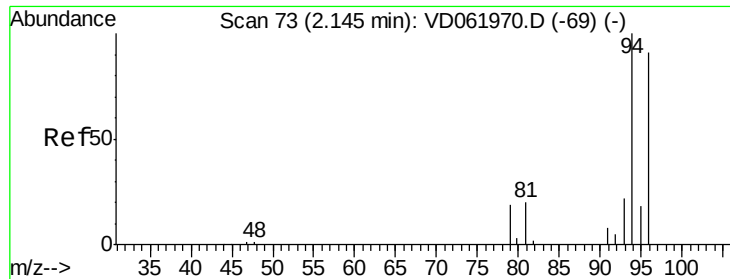
64 32.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

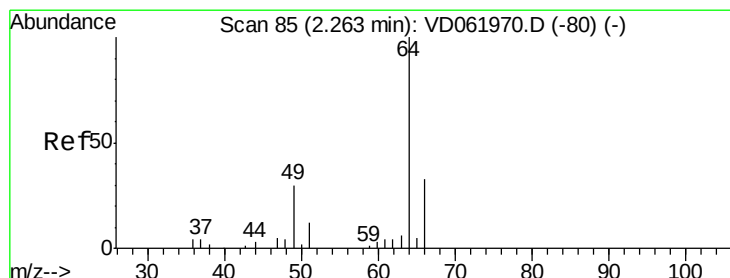
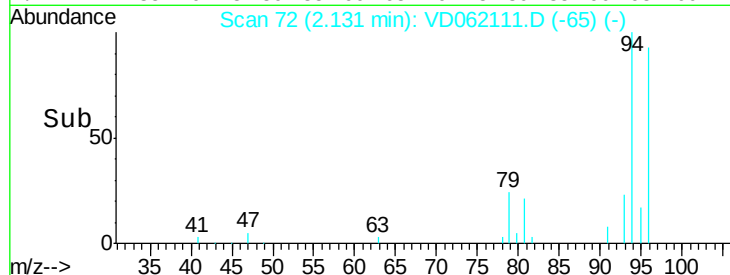
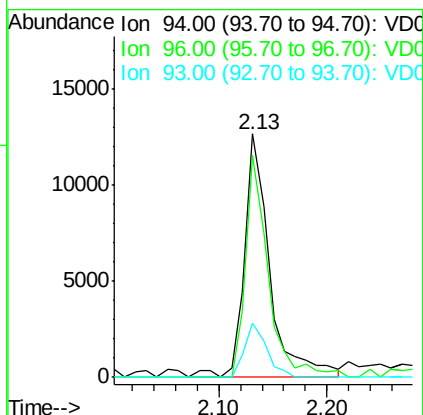
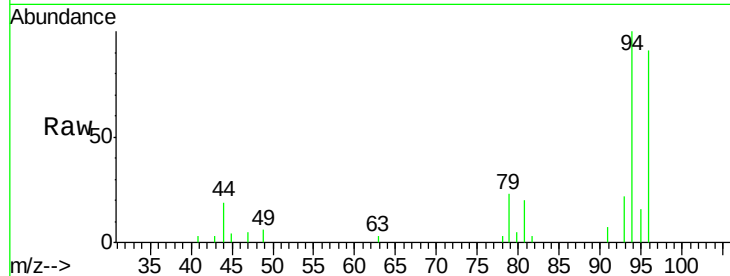




#5
Bromomethane
Concen: 18.997 ug/l
RT: 2.13 min Scan# 72
Delta R.T. -0.03 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

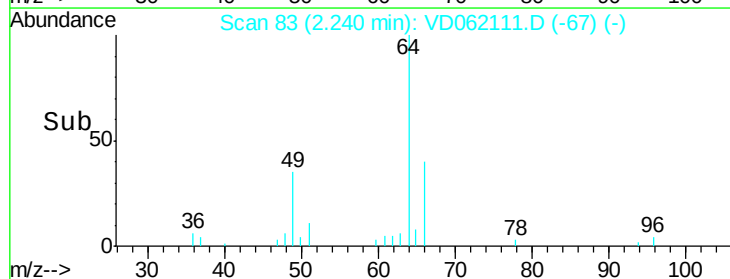
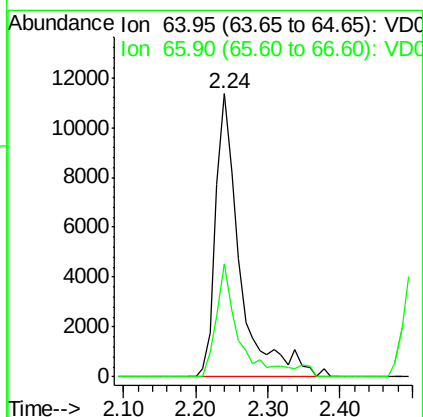
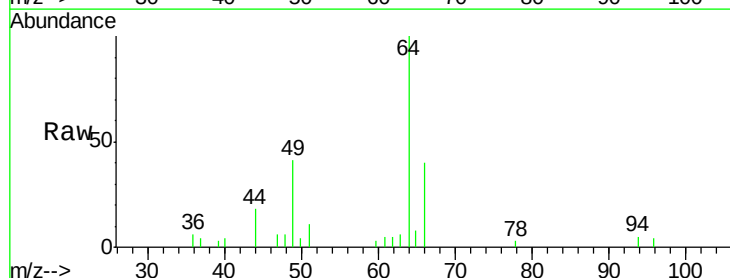
Instrument :
MSVOA_D
ClientSampleId :

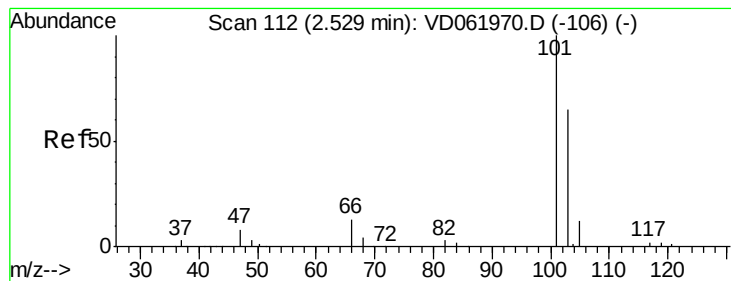
Tot Ion: 94 Resp: 20818
Ion Ratio Lower Upper
94 100
96 91.0 76.6 115.0
93 22.0 18.5 27.7



#6
Chloroethane
Concen: 19.961 ug/l
RT: 2.24 min Scan# 83
Delta R.T. -0.04 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion: 64 Resp: 26322
Ion Ratio Lower Upper
64 100
66 39.9 25.6 38.4#



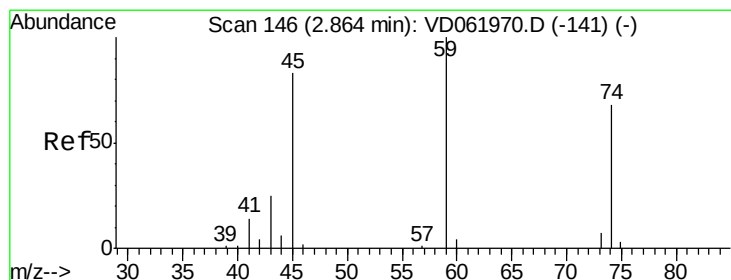
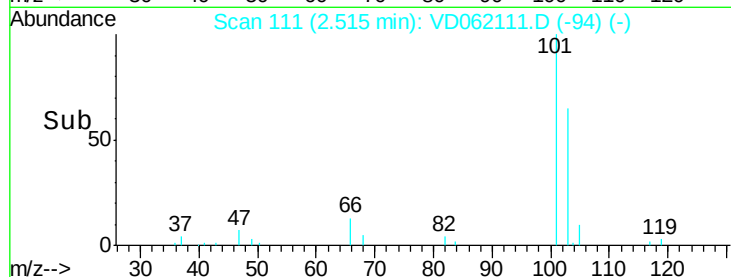
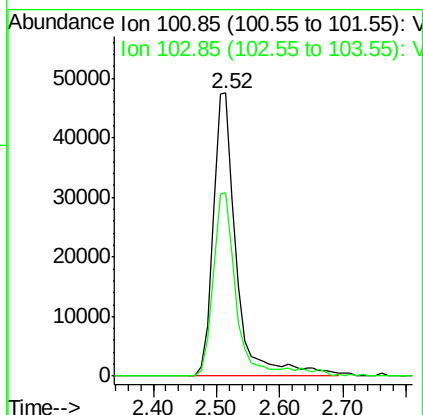
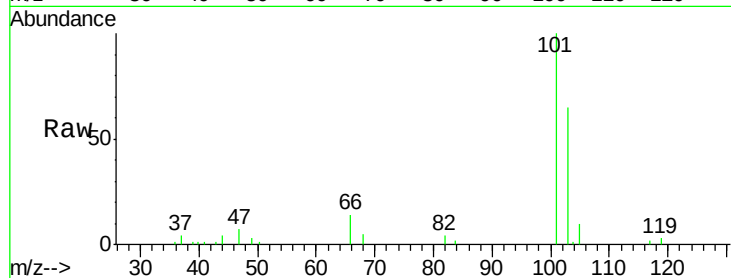


#7

Trichlorofluoromethane
 Concen: 22.419 ug/l
 RT: 2.52 min Scan# 111
 Delta R.T. -0.03 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Instrument :
 MSVOA_D
 ClientSampleId :

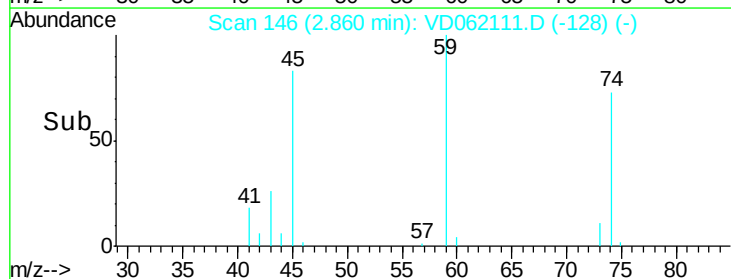
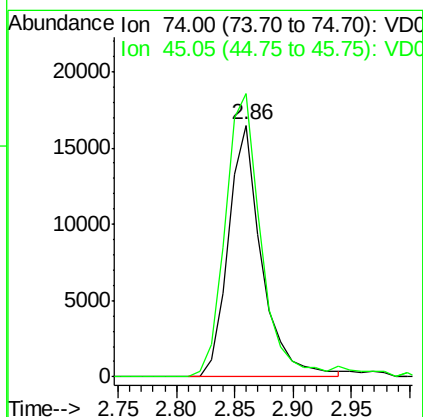
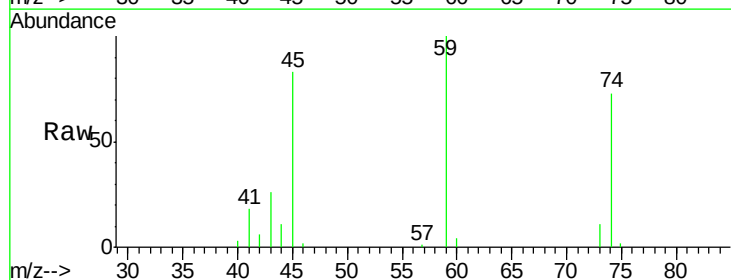
Tot Ion:101 Resp: 123660
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.6 80.4

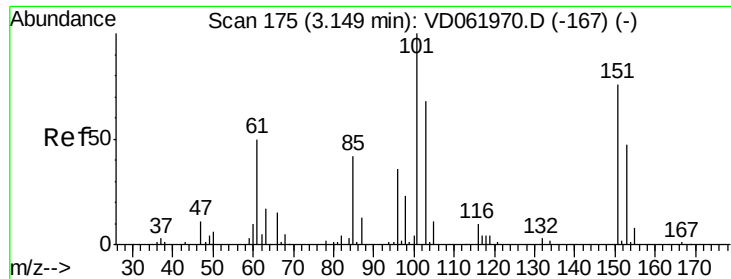


#8

Diethyl Ether
 Concen: 22.095 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion: 74 Resp: 32663
 Ion Ratio Lower Upper
 74 100
 45 112.5 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.075 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.03 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

ClientSampled :

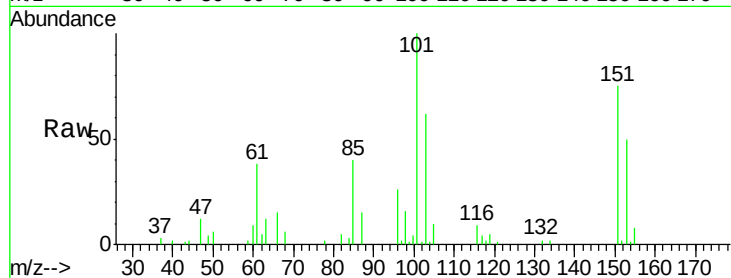
Tot Ion:101 Resp: 117245

Ion Ratio Lower Upper

101 100

85 40.3 32.4 48.6

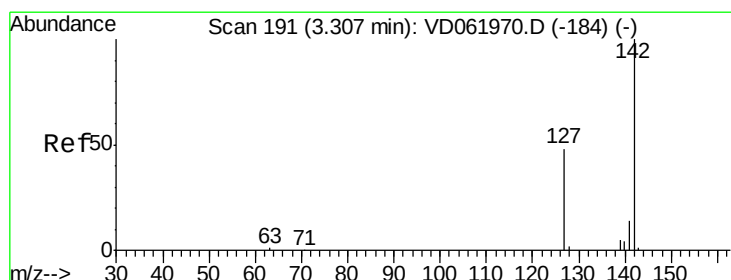
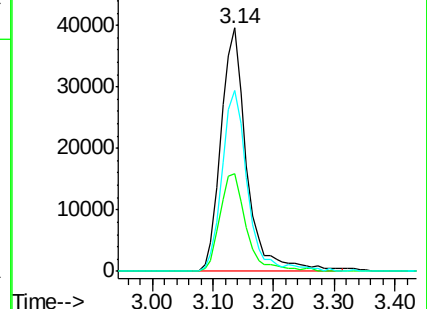
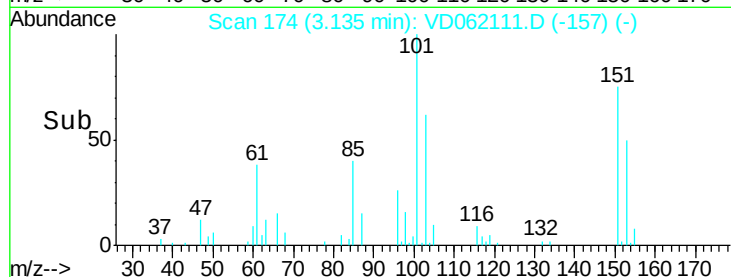
151 74.6 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.210 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.03 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

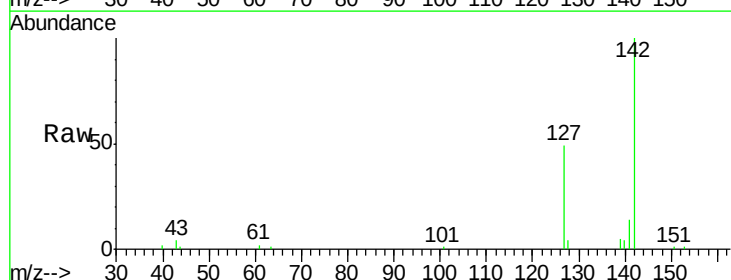
Tgt Ion:142 Resp: 128362

Ion Ratio Lower Upper

142 100

127 48.7 38.8 58.2

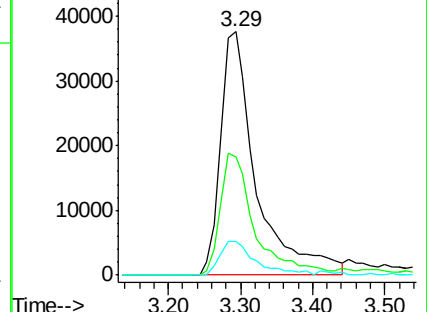
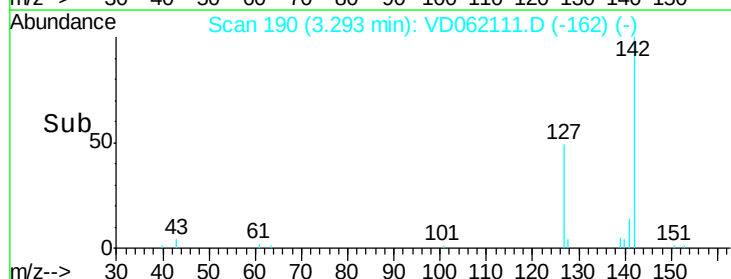
141 13.7 11.4 17.0

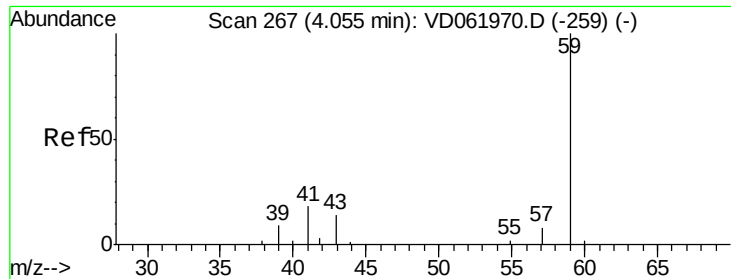


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



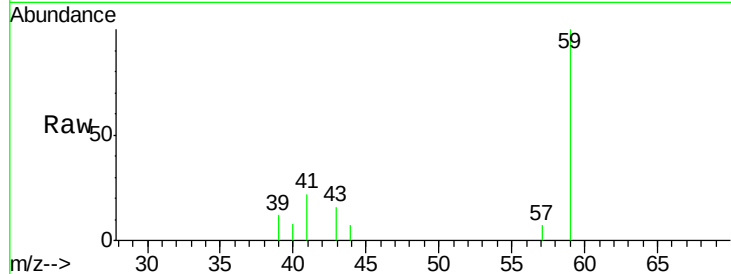


#11

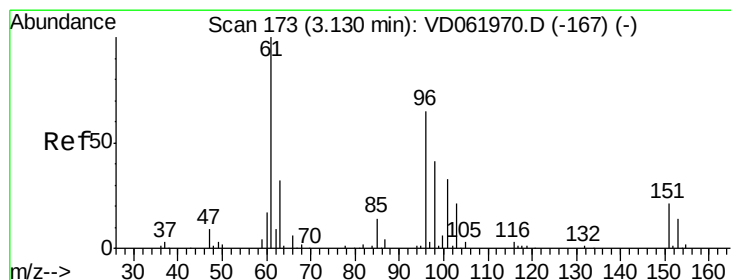
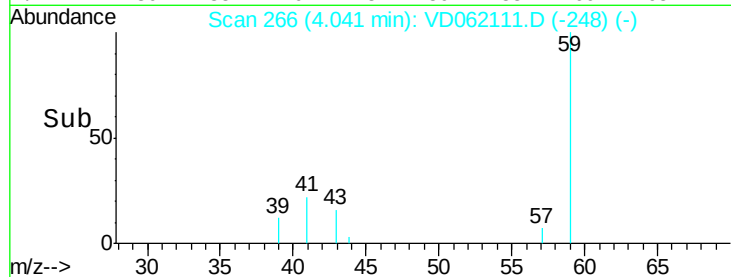
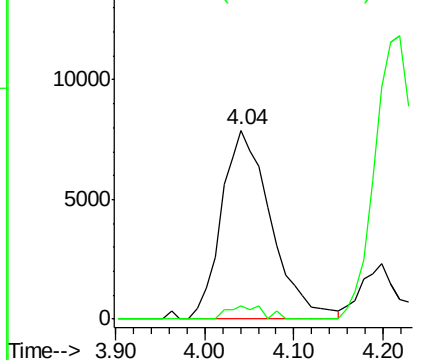
Tert butyl alcohol
 Concen: 130.070 ug/l
 RT: 4.04 min Scan# 266
 Delta R.T. -0.02 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 30504
 Ion Ratio Lower Upper
 59 100
 57 6.9 6.9 10.3



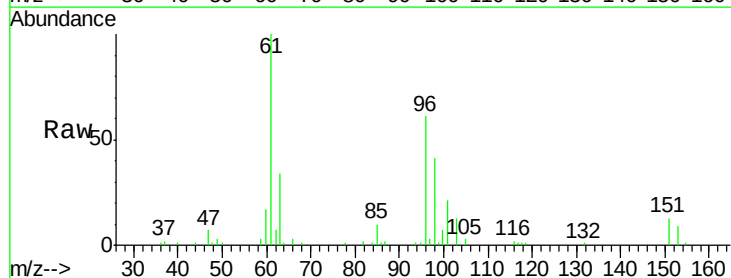
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



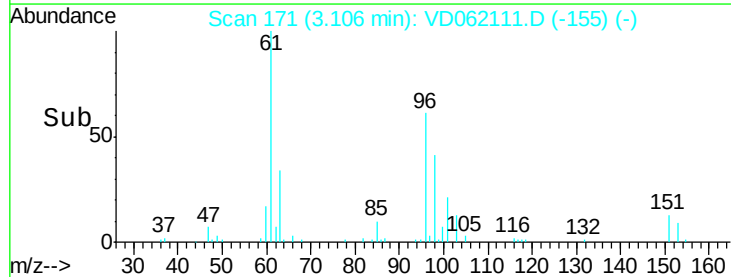
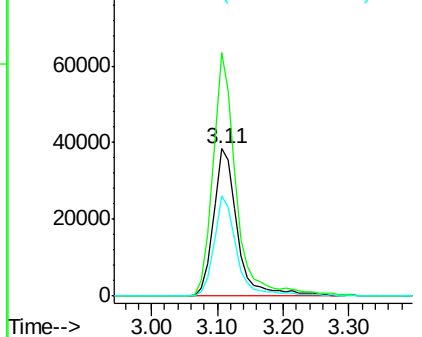
#12

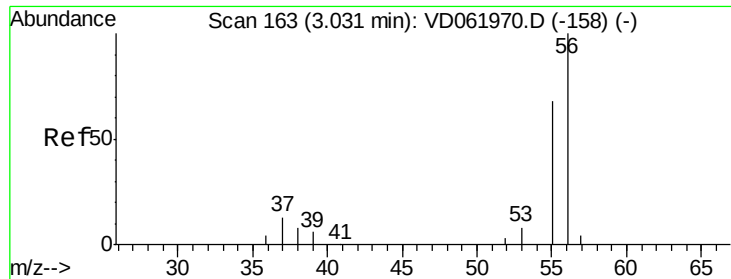
1,1-Dichloroethene
 Concen: 22.133 ug/l
 RT: 3.11 min Scan# 171
 Delta R.T. -0.04 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion: 96 Resp: 95676
 Ion Ratio Lower Upper
 96 100
 61 165.2 129.8 194.8
 98 67.9 51.2 76.8



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

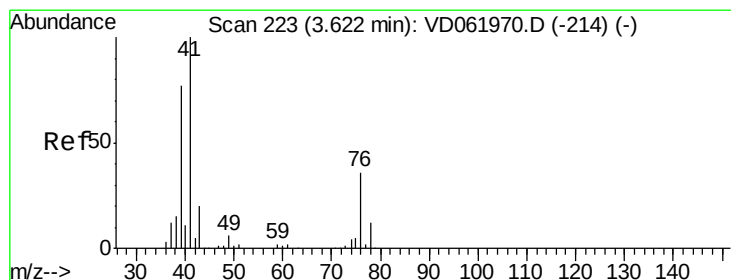
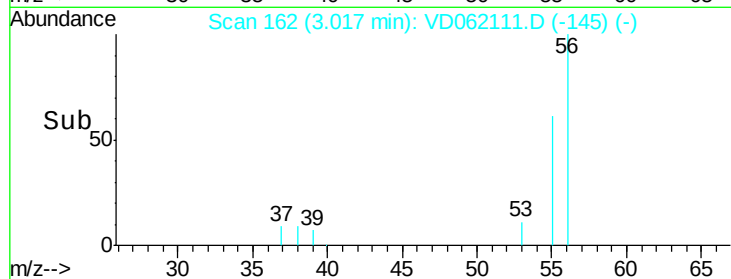
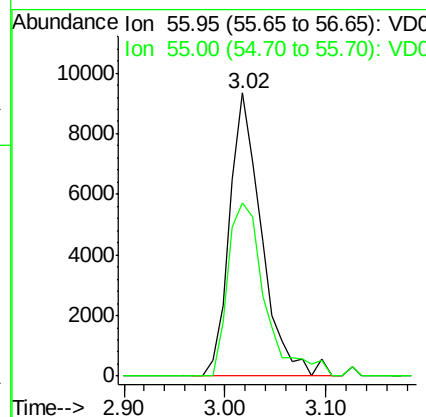
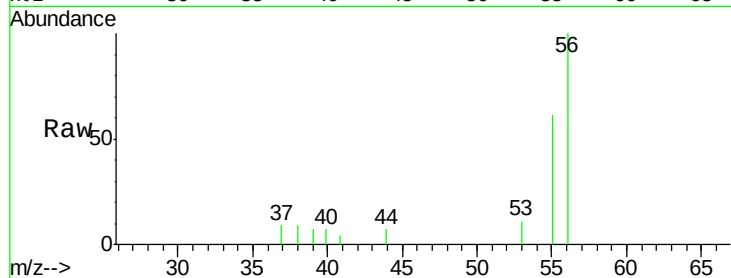




#13
 Acrolein
 Concen: 84.996 ug/l
 RT: 3.02 min Scan# 162
 Delta R.T. -0.03 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

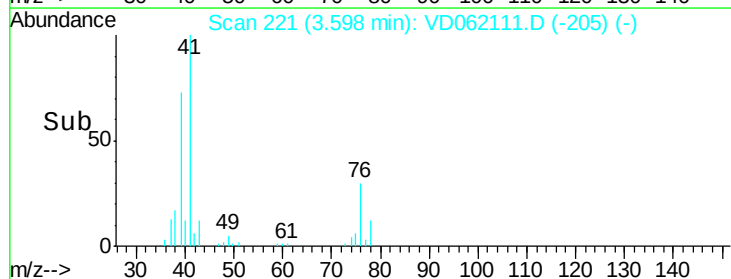
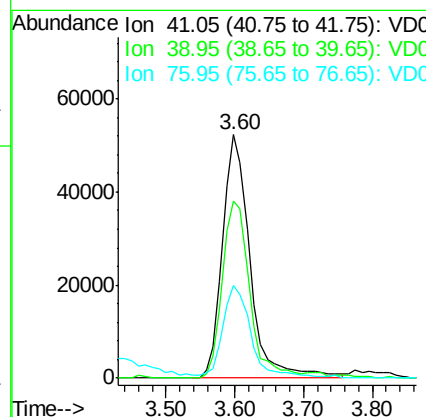
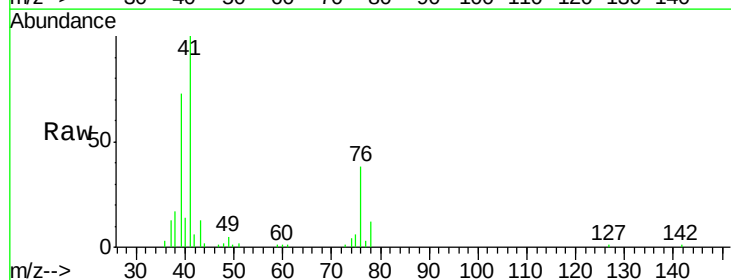
Instrument :
 MSVOA_D
 ClientSampleId :

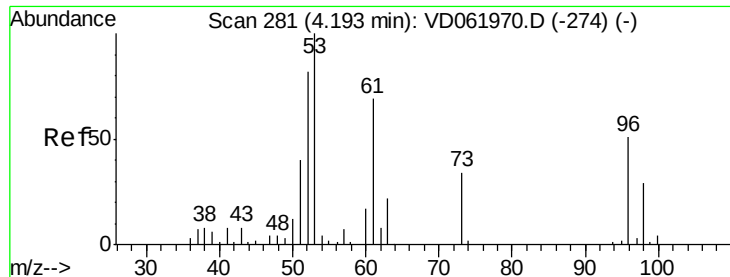
Tot Ion: 56 Resp: 20682
 Ion Ratio Lower Upper
 56 100
 55 61.4 51.4 77.2



#14
 Allyl chloride
 Concen: 24.583 ug/l
 RT: 3.60 min Scan# 221
 Delta R.T. -0.04 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion: 41 Resp: 145112
 Ion Ratio Lower Upper
 41 100
 39 72.6 60.5 90.7
 76 37.8 31.8 47.8





#15

Acrylonitrile

Concen: 130.284 ug/l

RT: 4.17 min Scan# 279

Delta R.T. -0.04 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

ClientSampled :

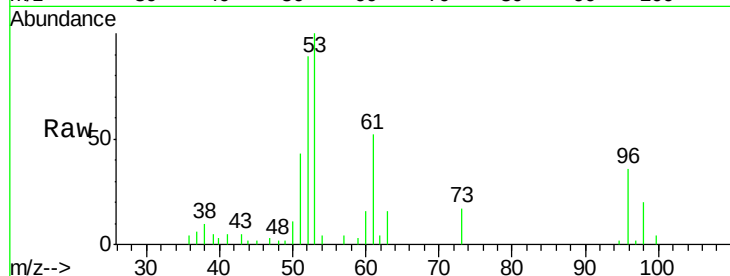
Tot Ion: 53 Resp: 94612

Ion Ratio Lower Upper

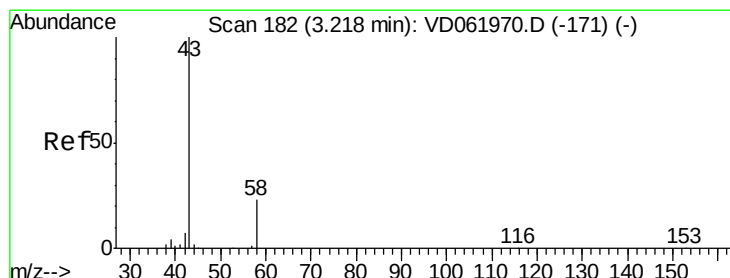
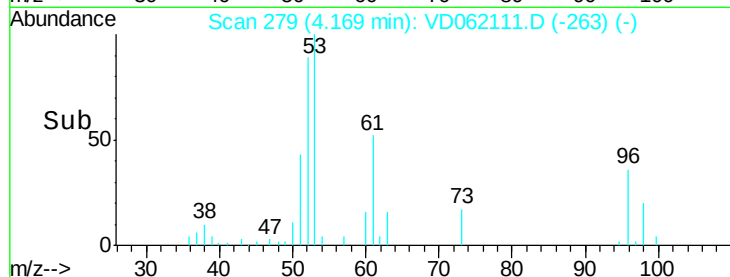
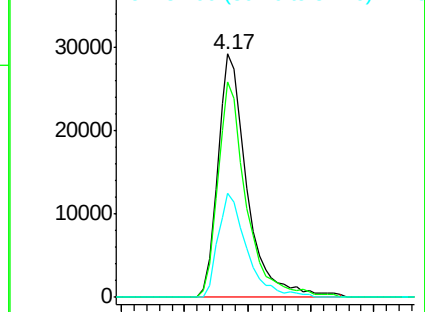
53 100

52 88.6 65.0 97.4

51 42.7 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 112.115 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062111.D

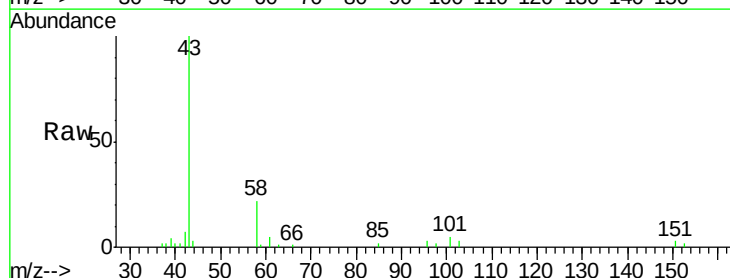
Acq: 2 May 2019 15:05

Tgt Ion: 43 Resp: 111115

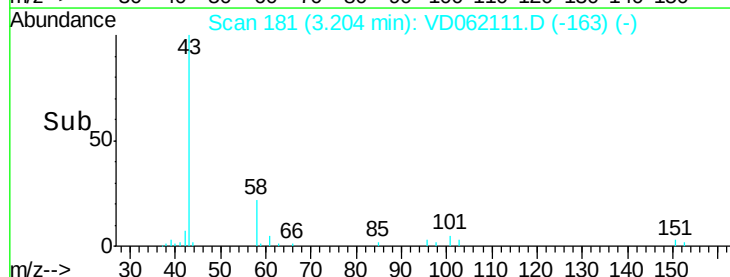
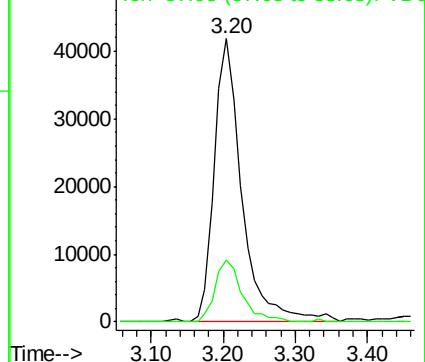
Ion Ratio Lower Upper

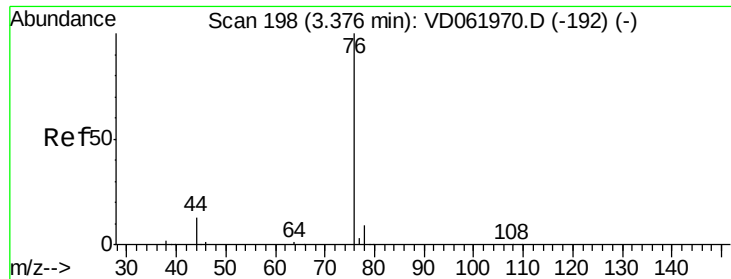
43 100

58 22.1 19.9 29.9



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





#17

Carbon Disulfide

Concen: 21.144 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.03 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

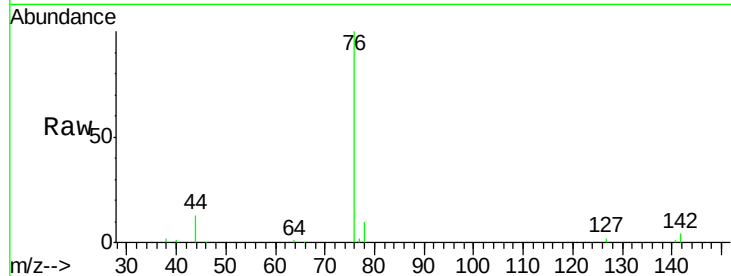
ClientSampleId :

Tot Ion: 76 Resp: 264124

Ion Ratio Lower Upper

76 100

78 10.0 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

120000

100000

80000

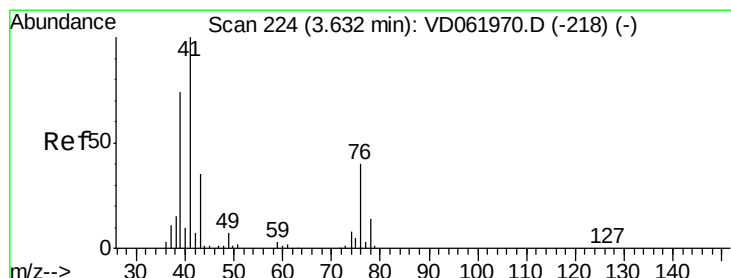
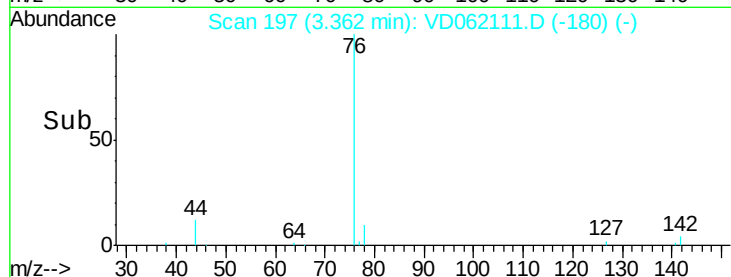
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 27.525 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.03 min

Lab File: VD062111.D

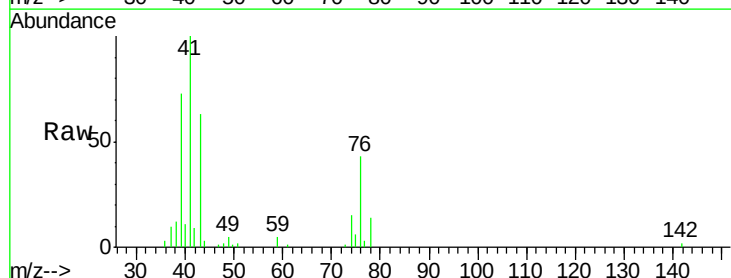
Acq: 2 May 2019 15:05

Tgt Ion: 43 Resp: 51220

Ion Ratio Lower Upper

43 100

74 23.7 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.62

20000

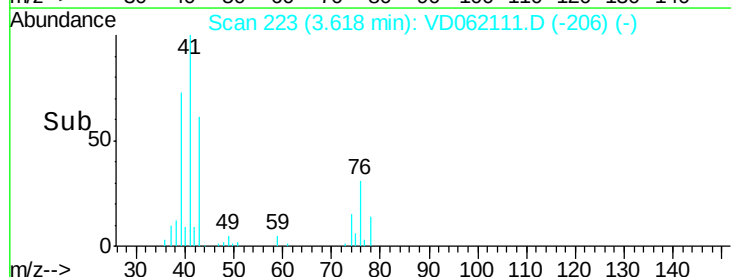
15000

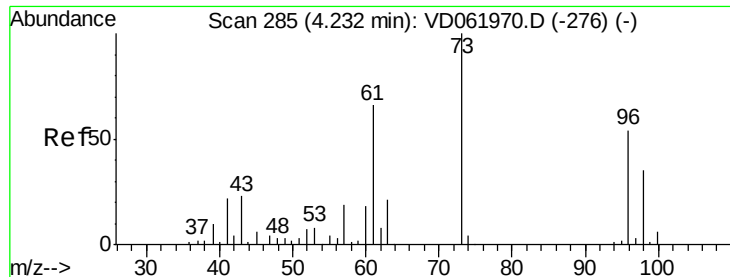
10000

5000

0

Time-->

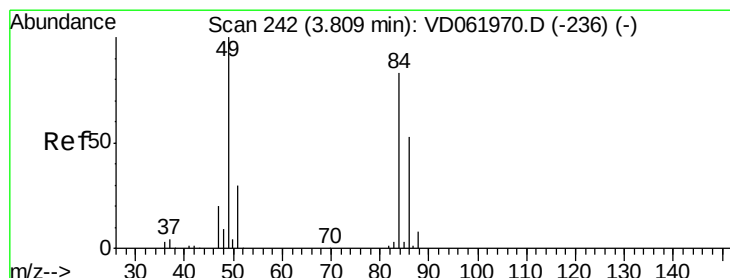
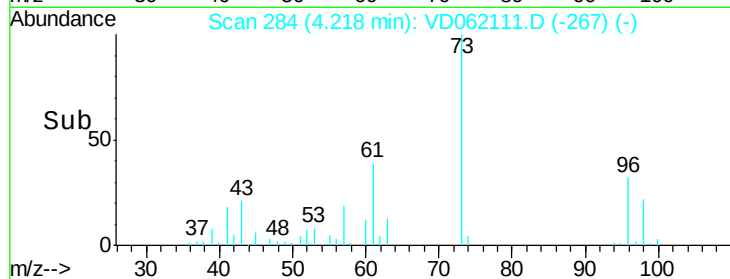
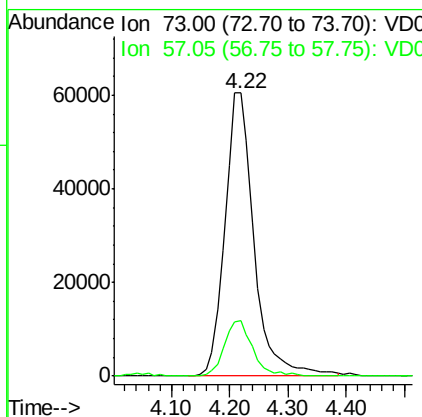
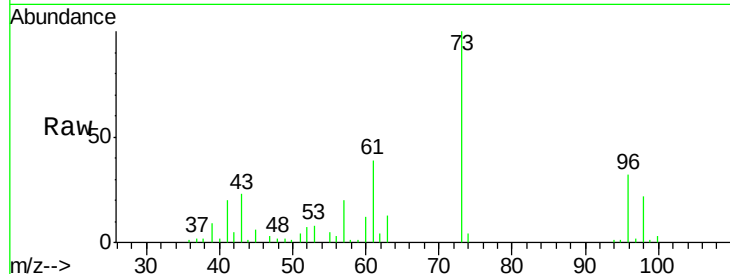




#19
Methyl tert-butyl Ether
Concen: 24.480 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

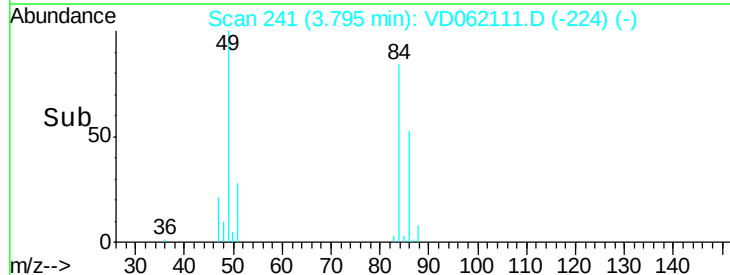
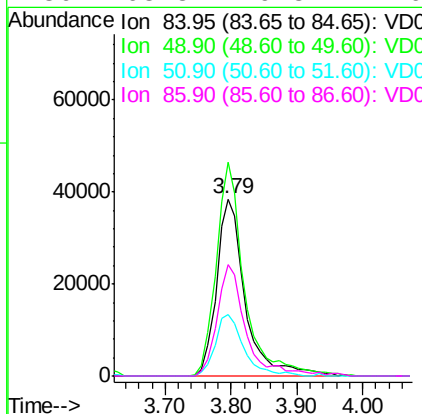
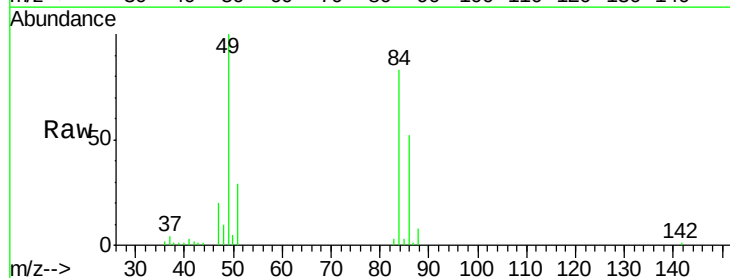
Instrument :
MSVOA_D
ClientSampled :

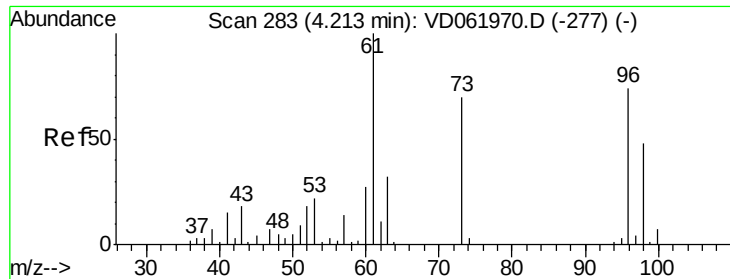
Tot Ion: 73 Resp: 209966
Ion Ratio Lower Upper
73 100
57 19.6 16.3 24.5



#20
Methylene Chloride
Concen: 22.261 ug/l
RT: 3.79 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion: 84 Resp: 115943
Ion Ratio Lower Upper
84 100
49 120.9 94.0 141.0
51 34.7 29.0 43.4
86 63.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 22.914 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

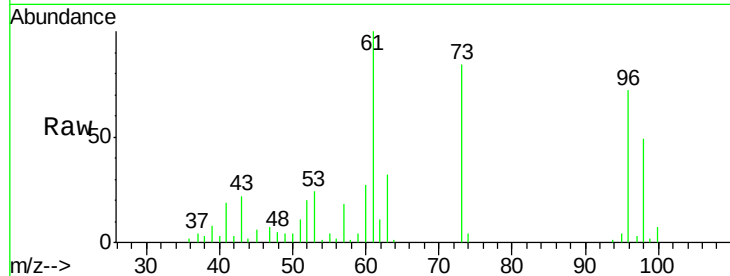
Tot Ion: 96 Resp: 113631

Ion Ratio Lower Upper

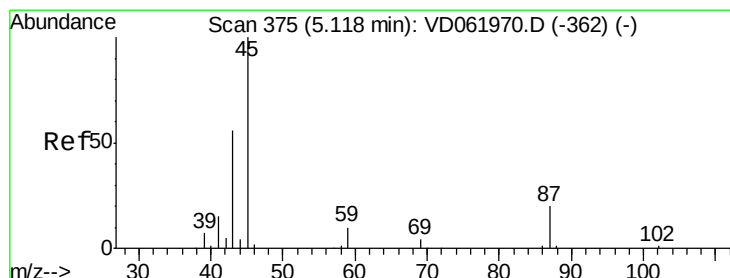
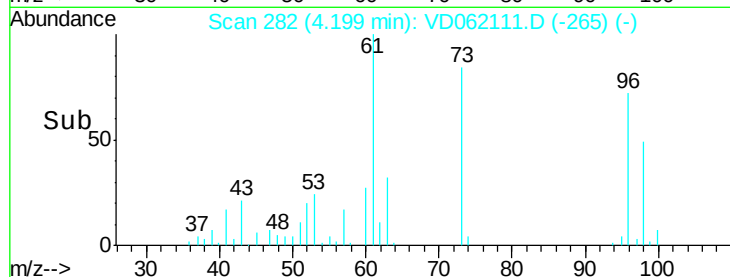
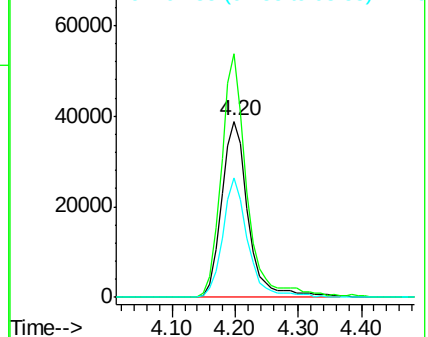
96 100

61 138.5 104.4 156.6

98 68.0 51.8 77.8



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



#22

Diisopropyl ether

Concen: 23.189 ug/l

RT: 5.08 min Scan# 372

Delta R.T. -0.04 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Tgt Ion: 45 Resp: 319582

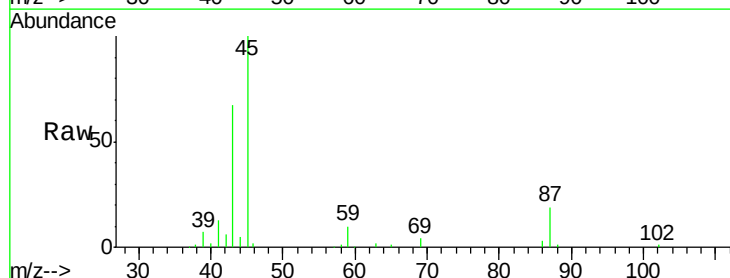
Ion Ratio Lower Upper

45 100

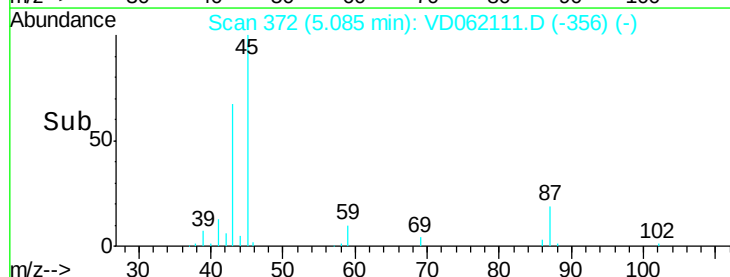
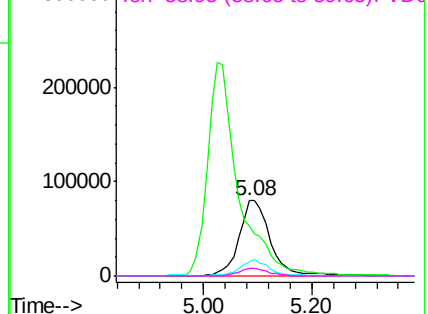
43 66.9 46.2 69.2

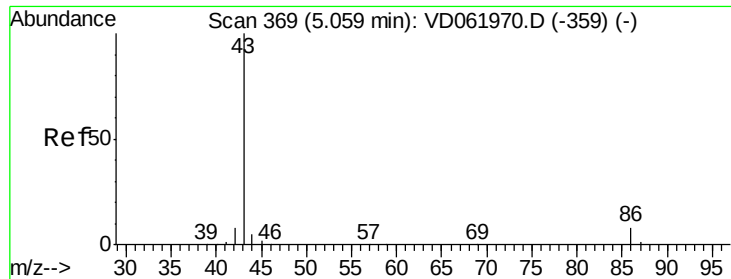
87 18.8 15.9 23.9

59 10.0 7.9 11.9



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

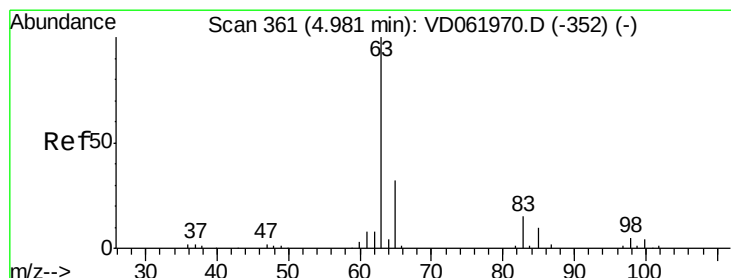
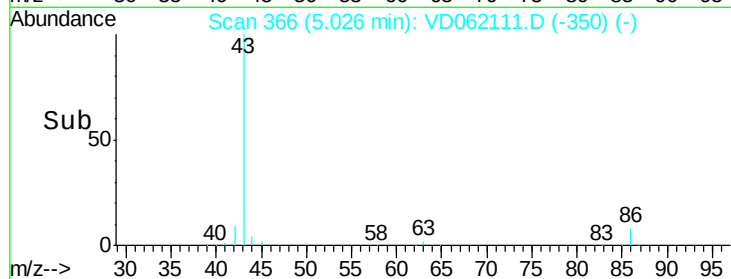
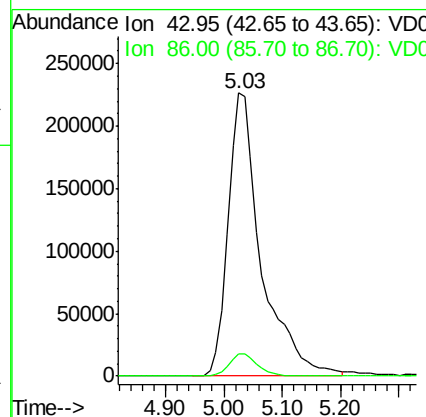
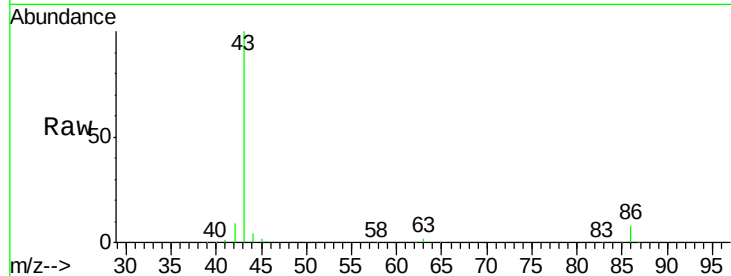




#23
 Vinyl Acetate
 Concen: 124.561 ug/l
 RT: 5.03 min Scan# 366
 Delta R.T. -0.04 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

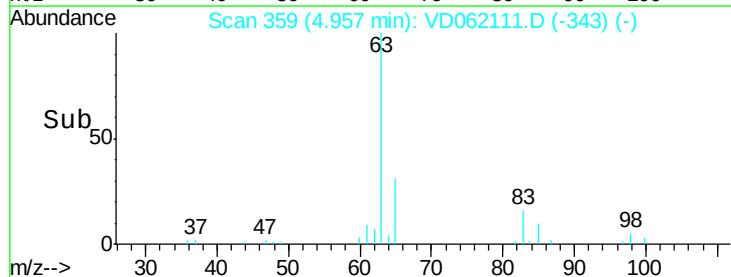
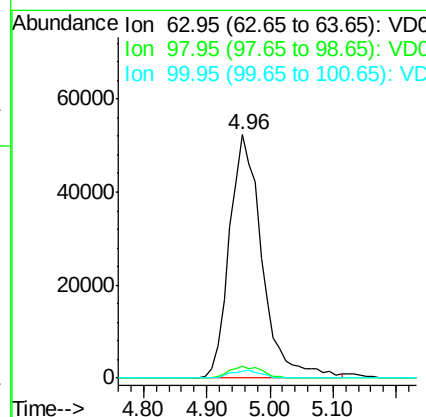
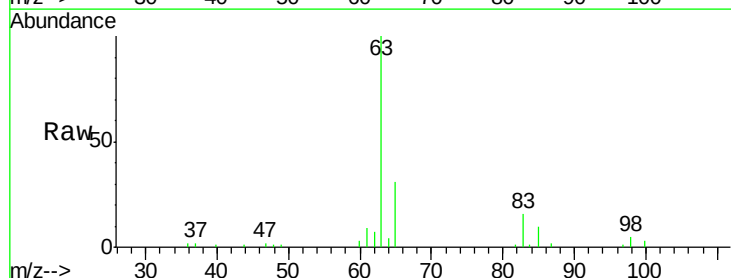
Instrument :
 MSVOA_D
 ClientSampled :

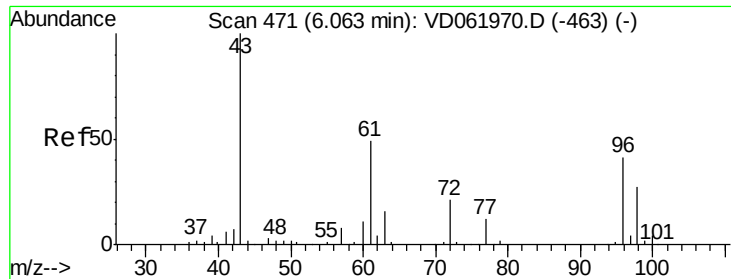
Tot Ion: 43 Resp: 893971
 Ion Ratio Lower Upper
 43 100
 86 7.8 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 22.540 ug/l
 RT: 4.96 min Scan# 359
 Delta R.T. -0.04 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion: 63 Resp: 187752
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.8 8.4
 100 2.7 1.8 5.5





#25

2-Butanone

Concen: 114.274 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.03 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

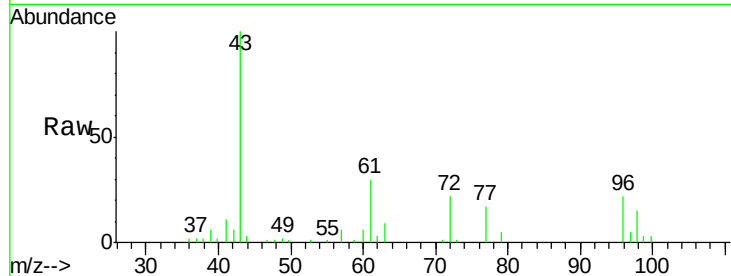
ClientSampleId :

Tot Ion: 43 Resp: 137313

Ion Ratio Lower Upper

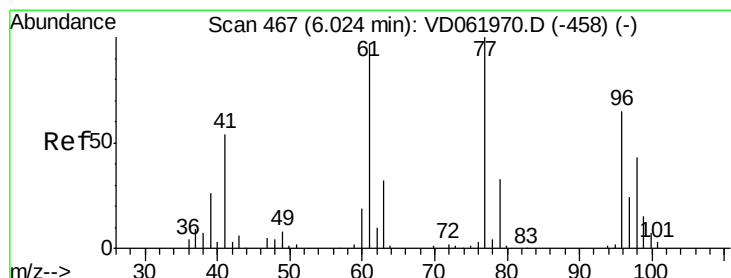
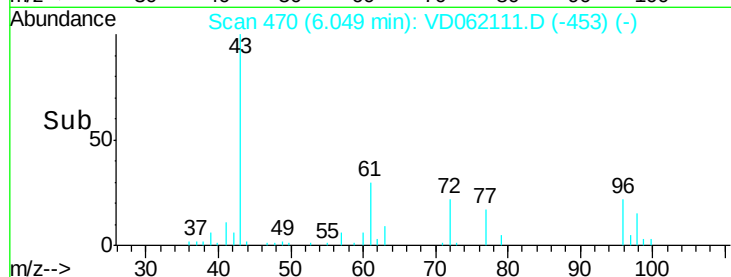
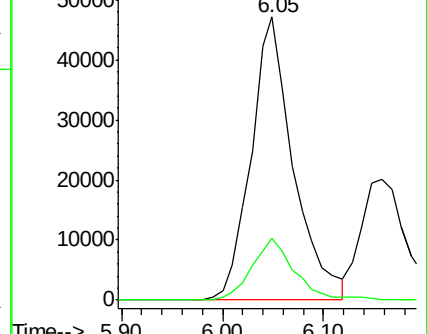
43 100

72 21.8 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.746 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.03 min

Lab File: VD062111.D

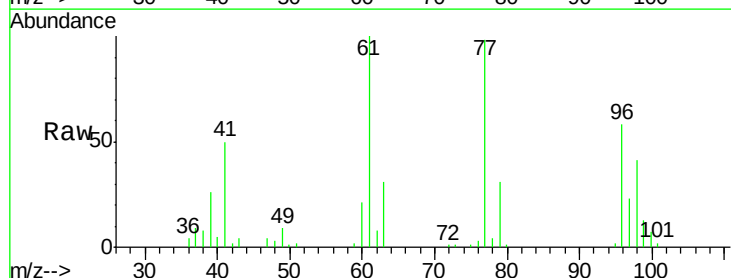
Acq: 2 May 2019 15:05

Tgt Ion: 77 Resp: 158023

Ion Ratio Lower Upper

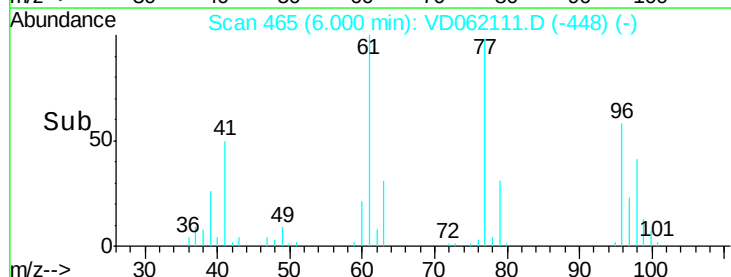
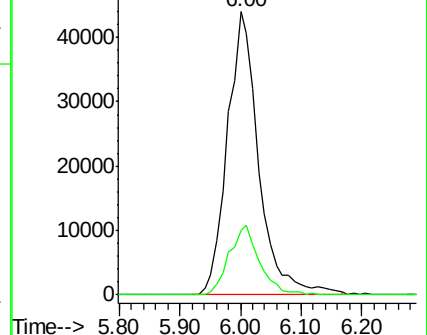
77 100

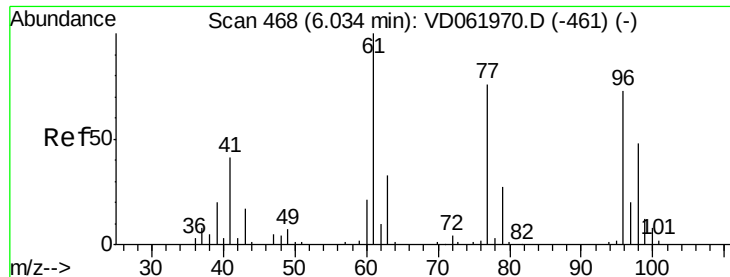
97 22.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



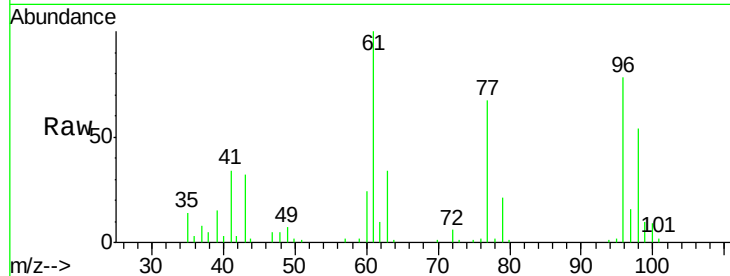


#27

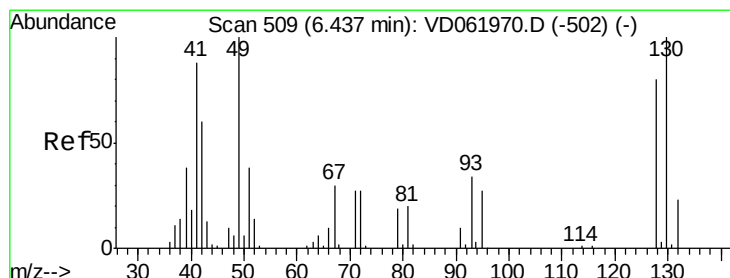
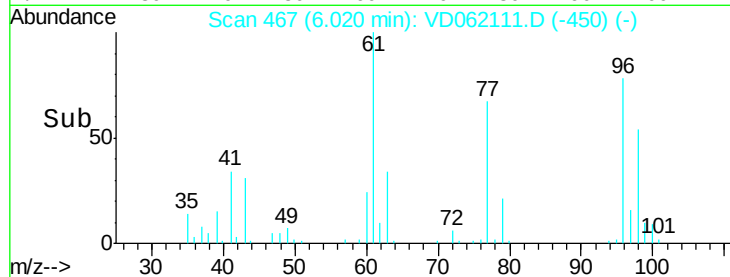
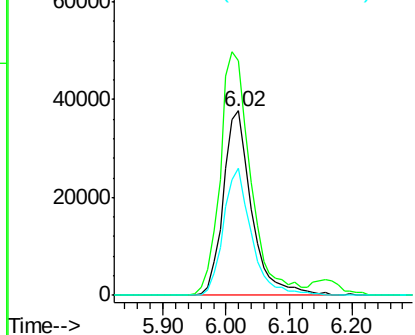
cis-1,2-Dichloroethene
Concen: 20.845 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 117599
Ion Ratio Lower Upper
96 100
61 127.4 0.0 279.8
98 68.7 0.0 136.0



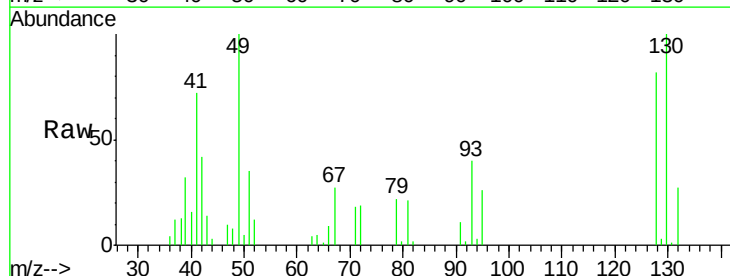
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



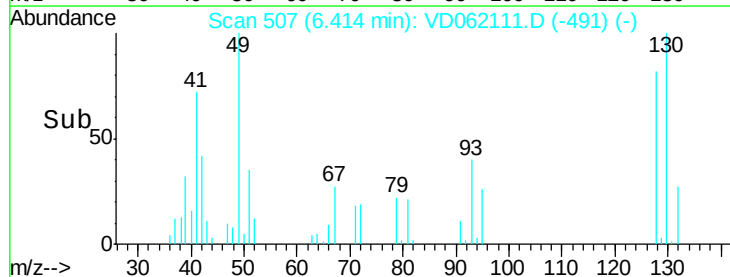
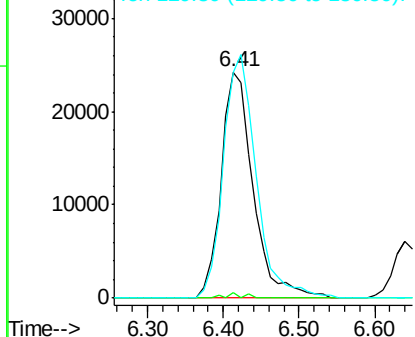
#28

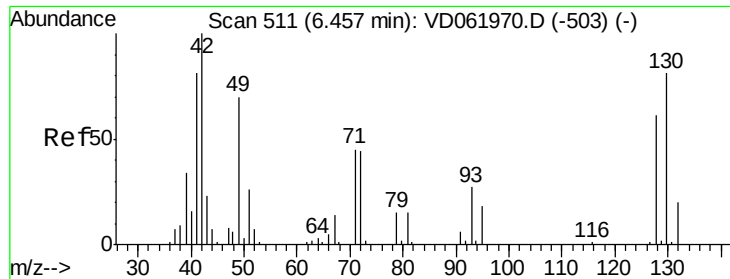
Bromochloromethane
Concen: 22.294 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.04 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion: 49 Resp: 71054
Ion Ratio Lower Upper
49 100
129 2.5 0.0 6.6
130 99.7 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

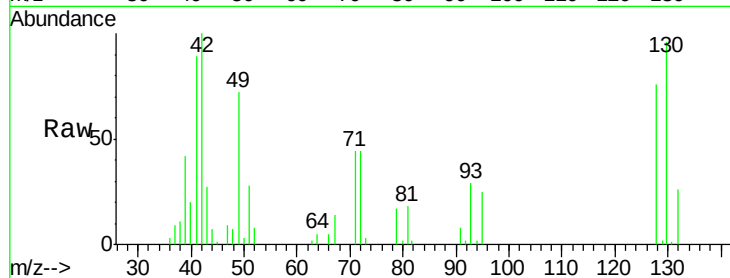




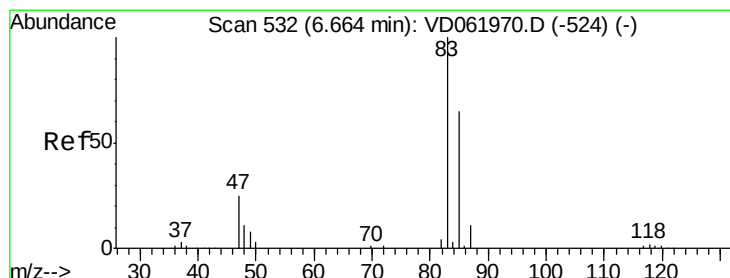
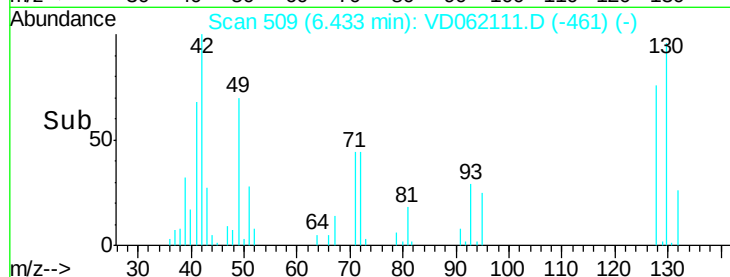
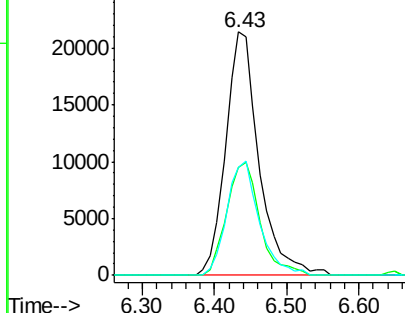
#29
Tetrahydrofuran
Concen: 116.555 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.03 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 69008
Ion Ratio Lower Upper
42 100
72 46.0 37.8 56.6
71 45.3 36.7 55.1

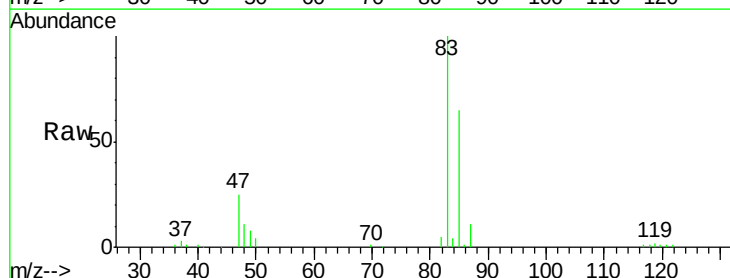


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

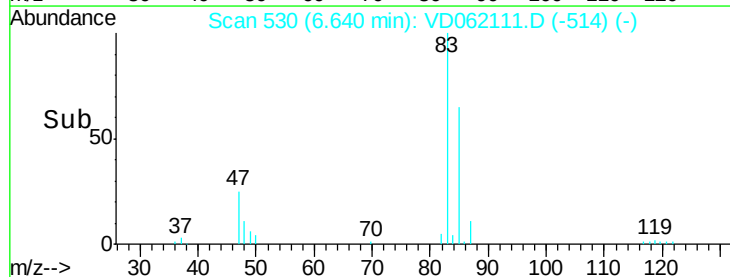
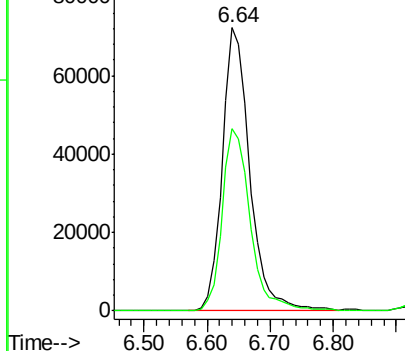


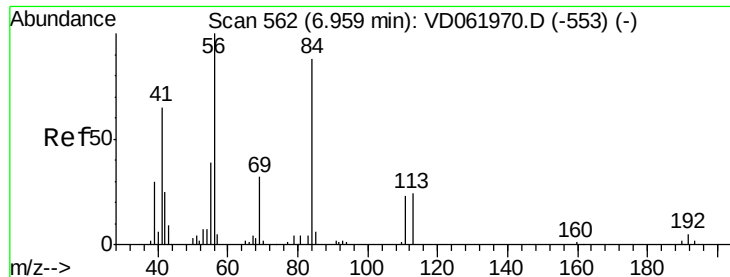
#30
Chloroform
Concen: 23.062 ug/l
RT: 6.64 min Scan# 530
Delta R.T. -0.04 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion: 83 Resp: 218189
Ion Ratio Lower Upper
83 100
85 64.6 51.7 77.5



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

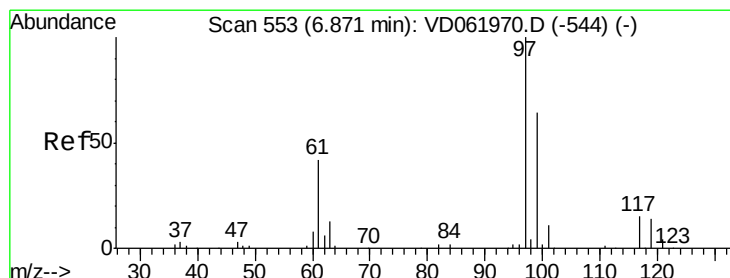
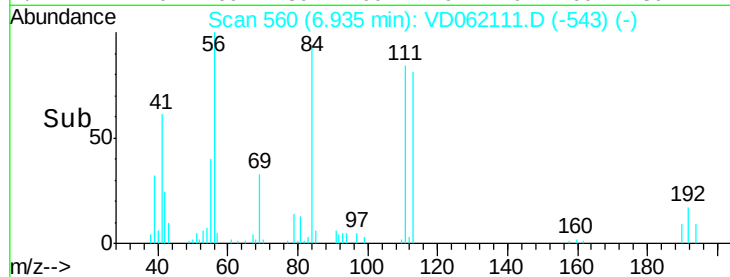
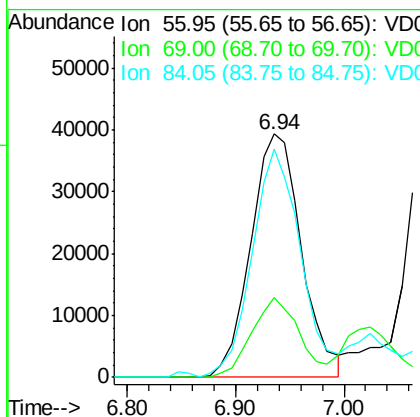
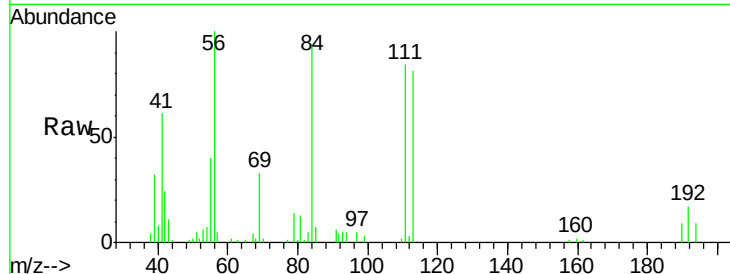




#31
Cyclohexane
Concen: 20.773 ug/l
RT: 6.94 min Scan# 560
Delta R.T. -0.03 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

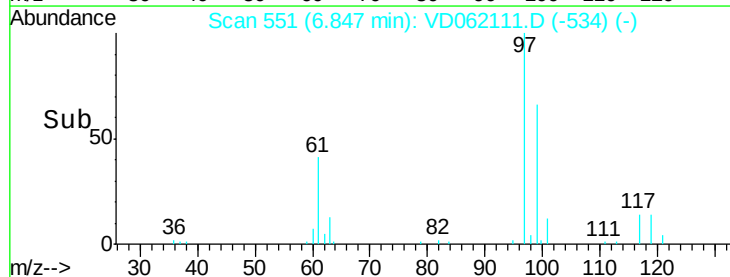
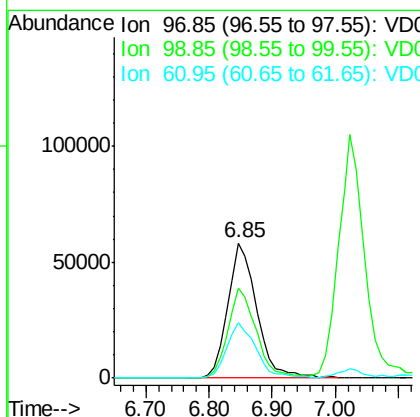
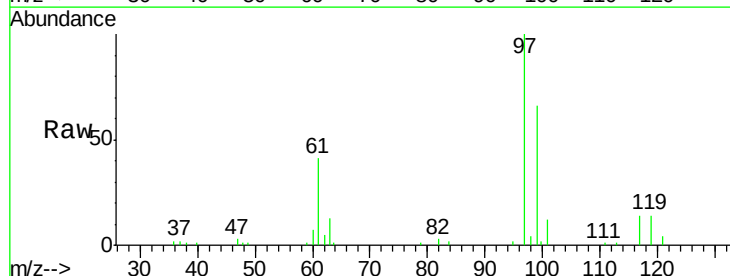
Instrument :
MSVOA_D
ClientSampleId :

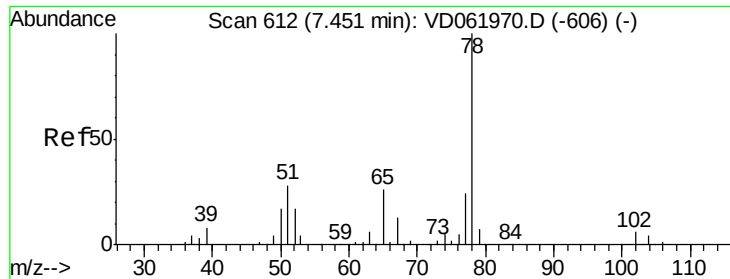
Tot Ion: 56 Resp: 128433
Ion Ratio Lower Upper
56 100
69 32.7 25.8 38.6
84 93.8 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 22.364 ug/l
RT: 6.85 min Scan# 551
Delta R.T. -0.03 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion: 97 Resp: 184103
Ion Ratio Lower Upper
97 100
99 66.3 52.2 78.2
61 41.3 32.4 48.6

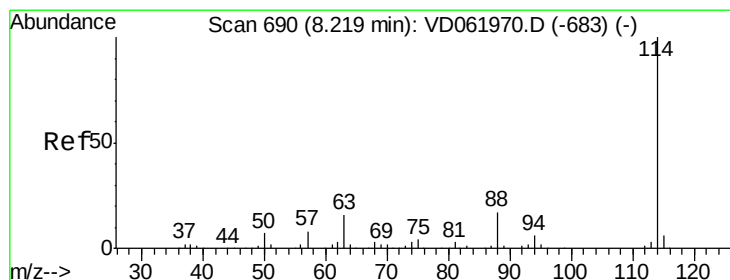
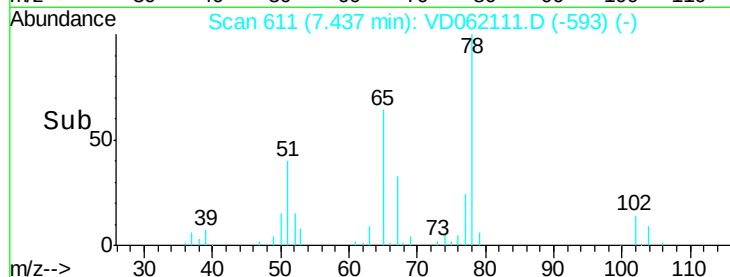
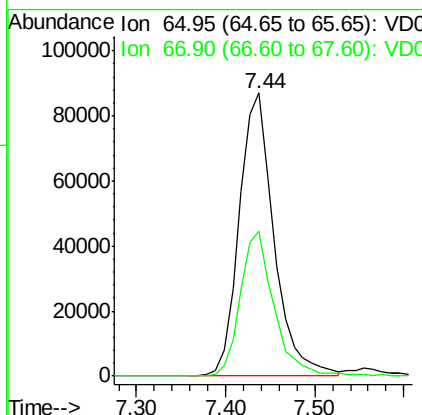
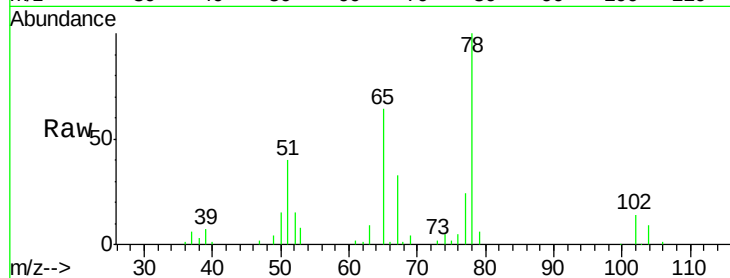




#33
 1,2-Dichloroethane-d4
 Concen: 56.689 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

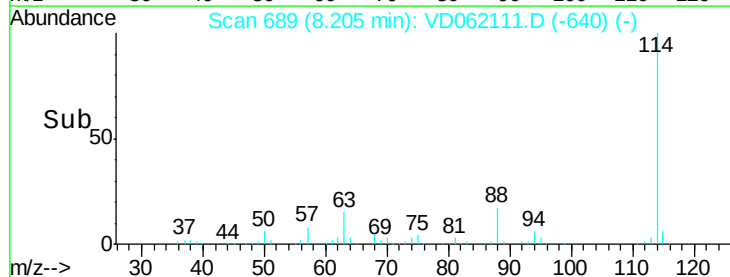
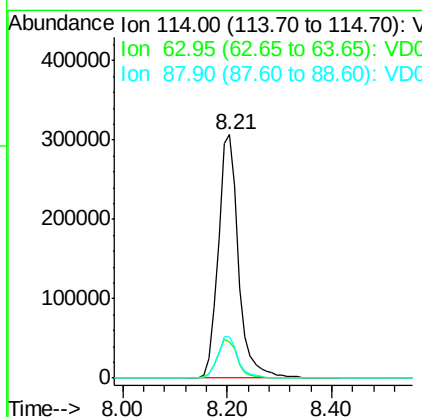
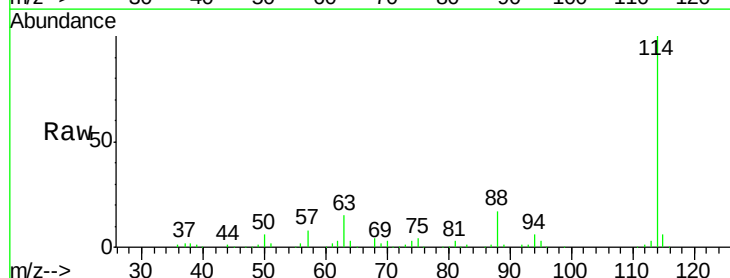
Instrument :
 MSVOA_D
 ClientSampleID :

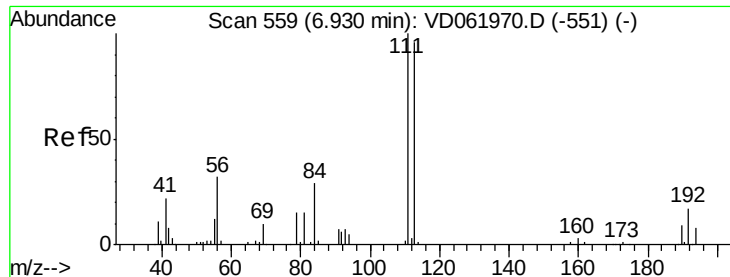
Tot Ion: 65 Resp: 235304
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion: 114 Resp: 826015
 Ion Ratio Lower Upper
 114 100
 63 15.1 0.0 32.4
 88 17.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 59.418 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

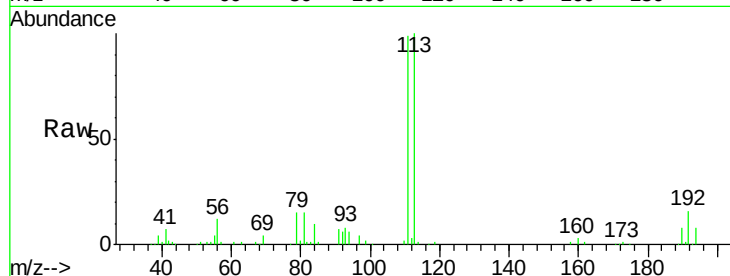
Tot Ion:113 Resp: 339437

Ion Ratio Lower Upper

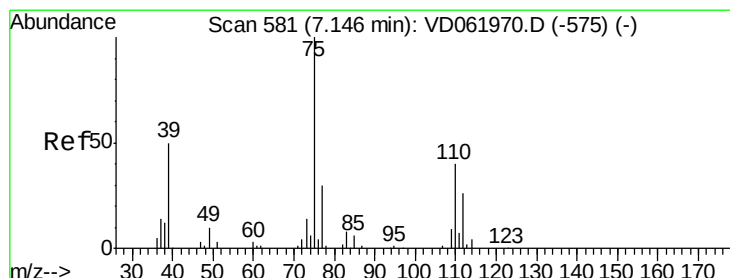
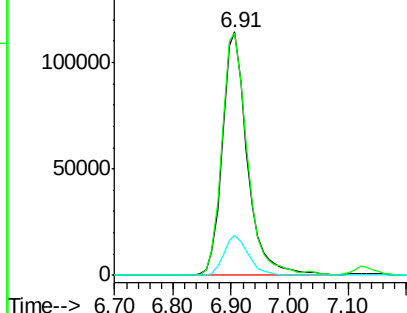
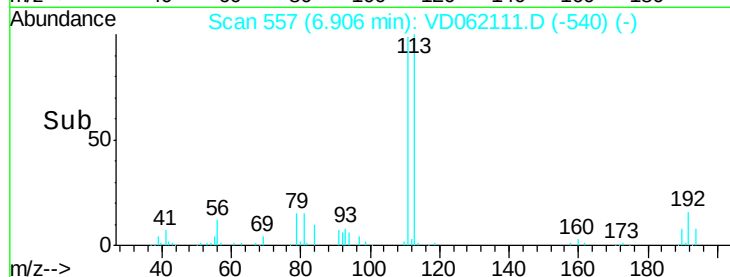
113 100

111 99.4 78.5 117.7

192 16.3 13.0 19.4



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



#36

1,1-Dichloropropene

Concen: 23.631 ug/l

RT: 7.12 min Scan# 579

Delta R.T. -0.03 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

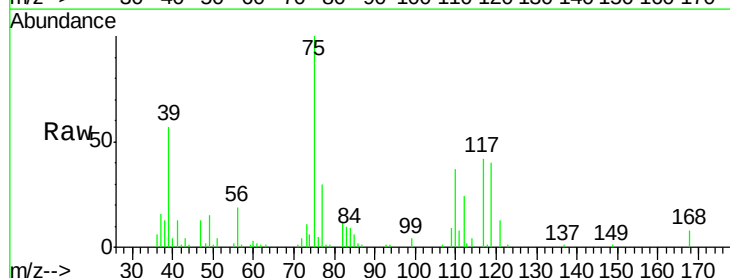
Tgt Ion: 75 Resp: 152080

Ion Ratio Lower Upper

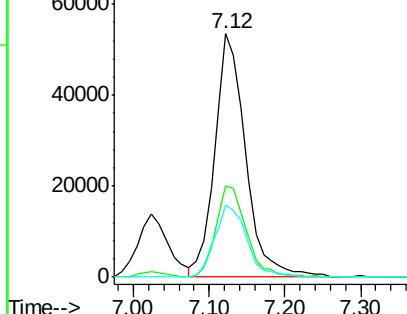
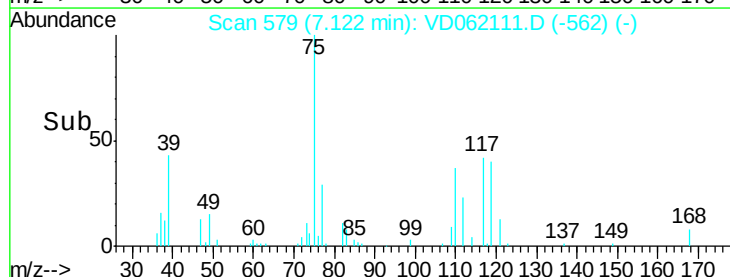
75 100

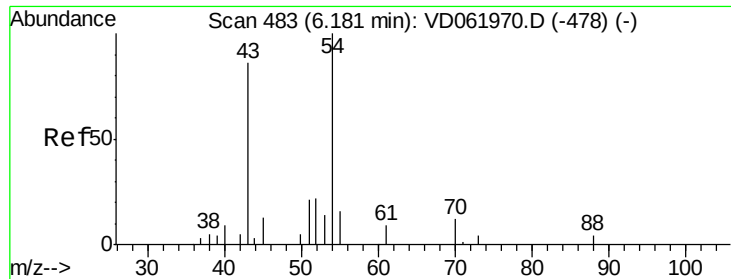
110 37.3 19.1 57.1

77 29.6 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

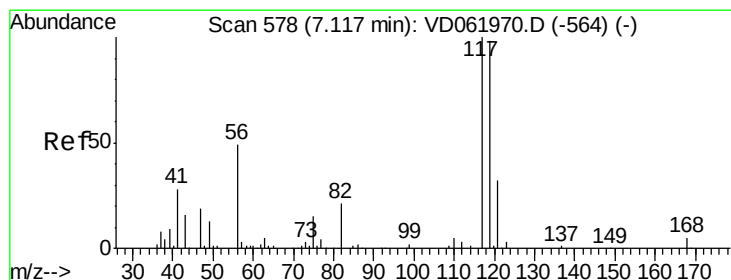
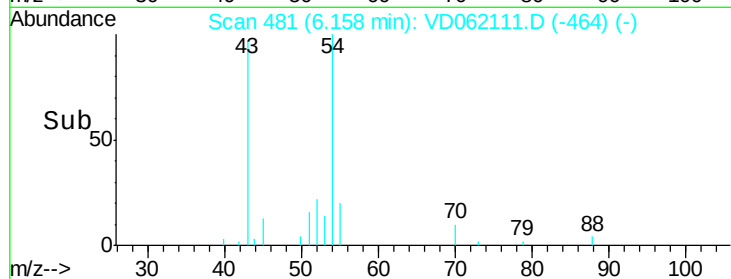
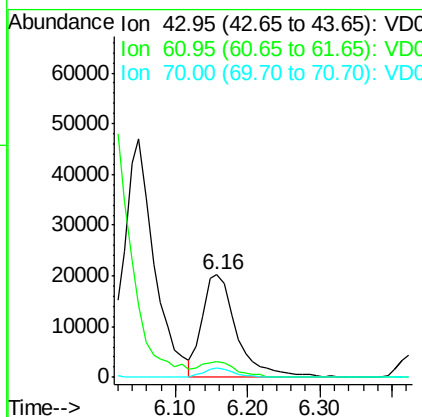
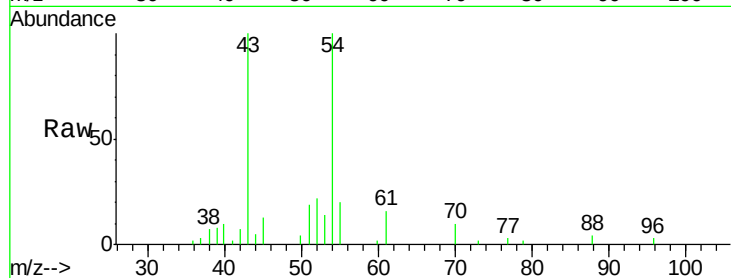




#37
Ethyl Acetate
Concen: 24.461 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

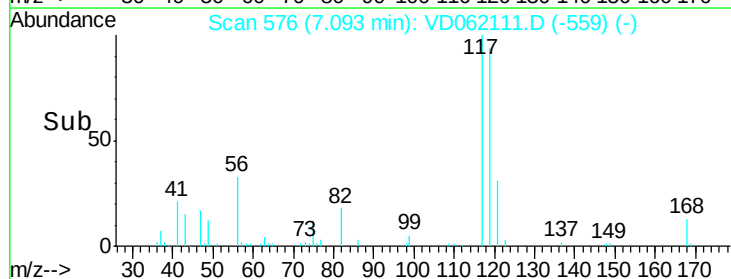
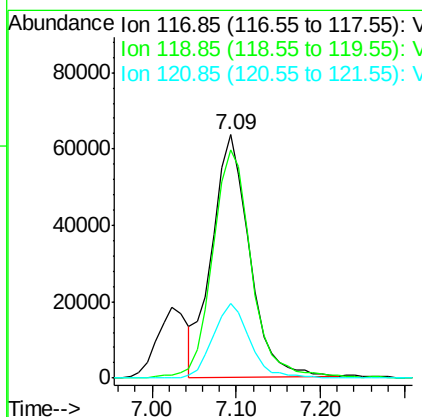
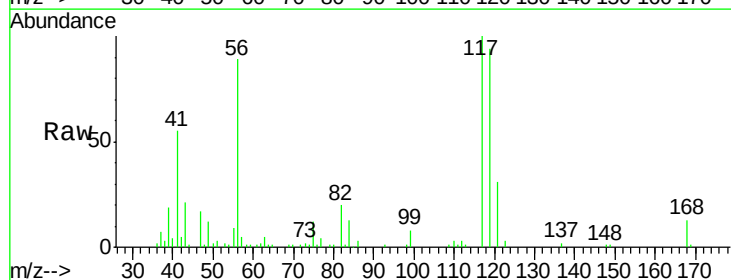
Instrument :
MSVOA_D
ClientSampled :

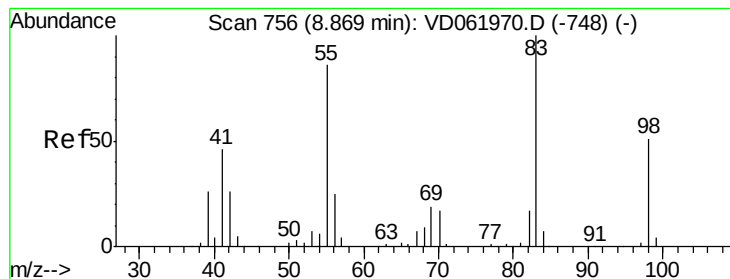
Tot Ion: 43 Resp: 67083
Ion Ratio Lower Upper
43 100
61 16.0 14.7 22.1
70 9.7 7.8 11.6



#38
Carbon Tetrachloride
Concen: 24.094 ug/l
RT: 7.09 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion: 117 Resp: 196483
Ion Ratio Lower Upper
117 100
119 93.9 75.8 113.8
121 30.9 25.9 38.9





#39

Methylvlcyclohexane

Concen: 22.168 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.02 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

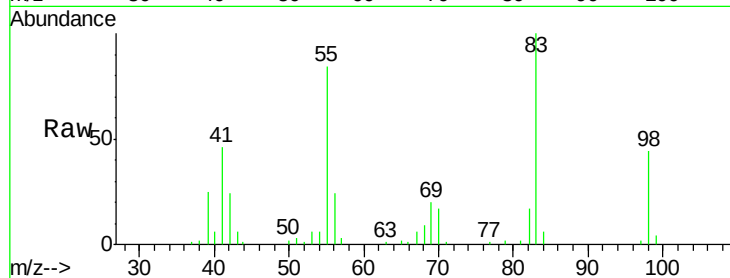
Tot Ion: 83 Resp: 140752

Ion Ratio Lower Upper

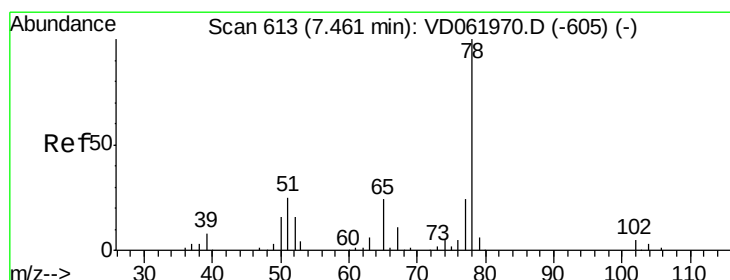
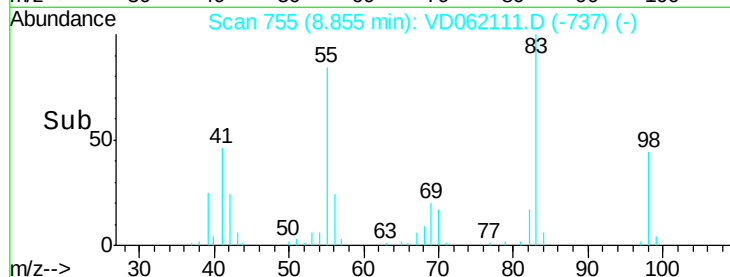
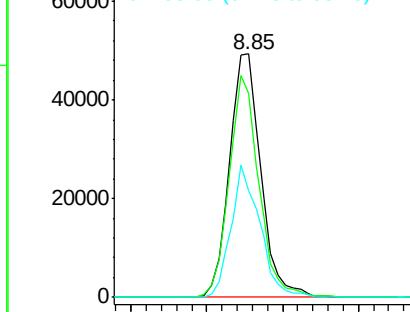
83 100

55 84.0 68.2 102.4

98 43.9 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: 23.058 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD062111.D

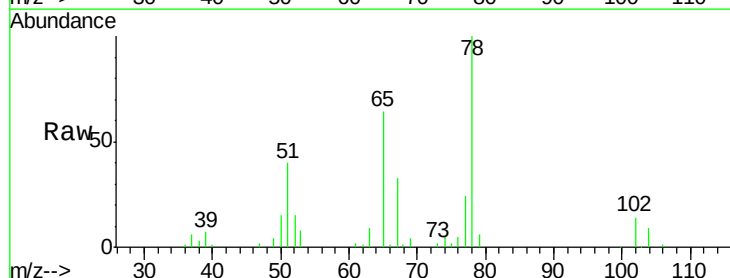
Acq: 2 May 2019 15:05

Tgt Ion: 78 Resp: 367365

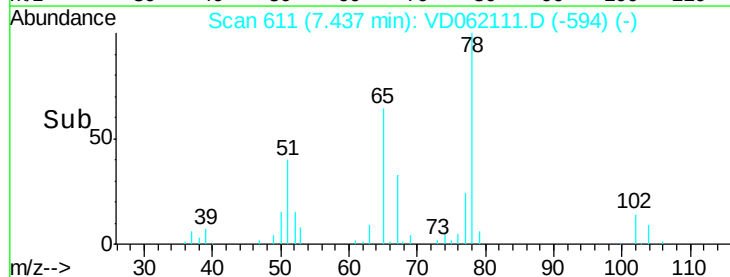
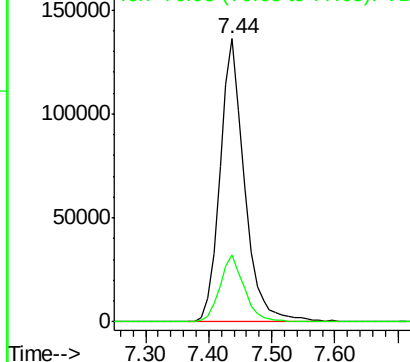
Ion Ratio Lower Upper

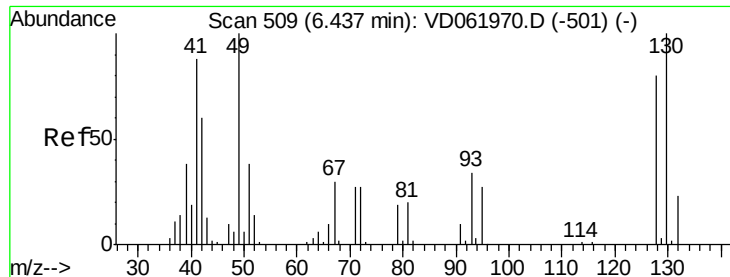
78 100

77 23.6 19.7 29.5



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

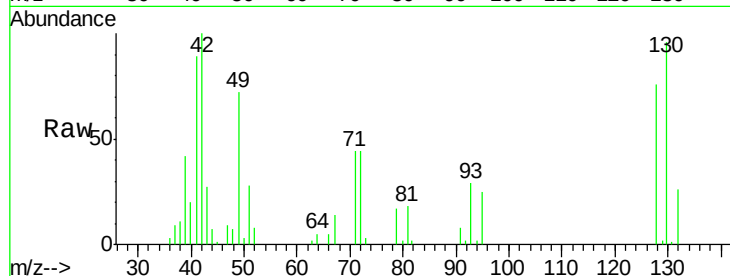




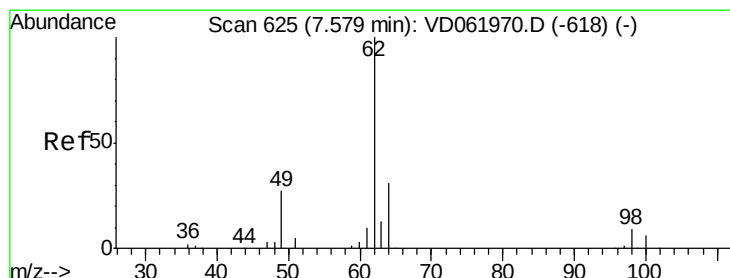
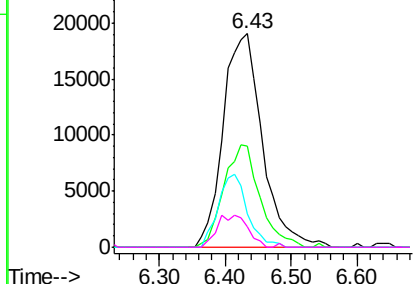
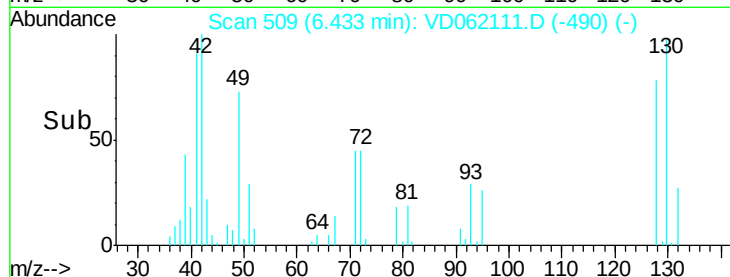
#41
Methacrylonitrile
Concen: 24.740 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 79162
Ion Ratio Lower Upper
41 100
39 47.3 34.1 51.1
67 15.8 23.8 35.6#
52 9.3 8.8 13.2

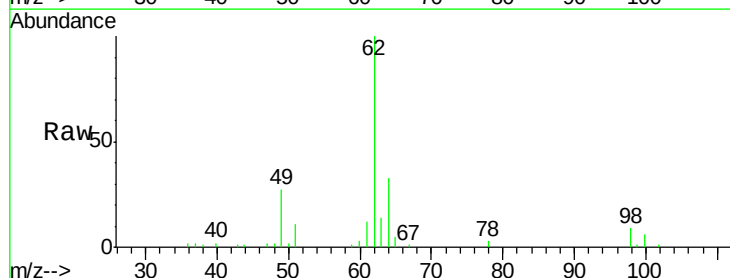


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

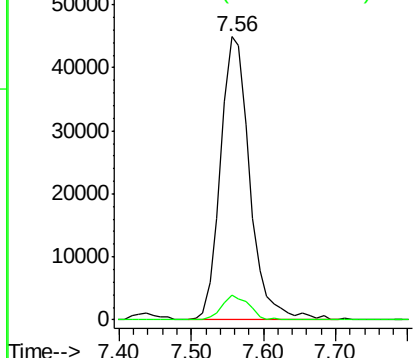
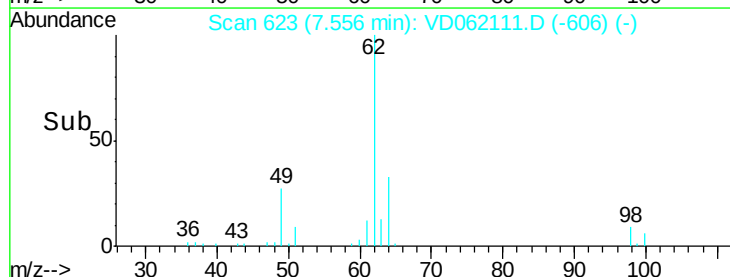


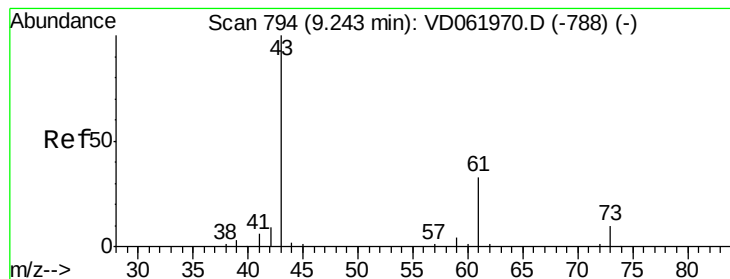
#42
1,2-Dichloroethane
Concen: 23.394 ug/l
RT: 7.56 min Scan# 623
Delta R.T. -0.03 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion: 62 Resp: 126549
Ion Ratio Lower Upper
62 100
98 8.8 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: 24.174 ug/l

RT: 9.22 min Scan# 792

Delta R.T. -0.03 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

ClientSampled :

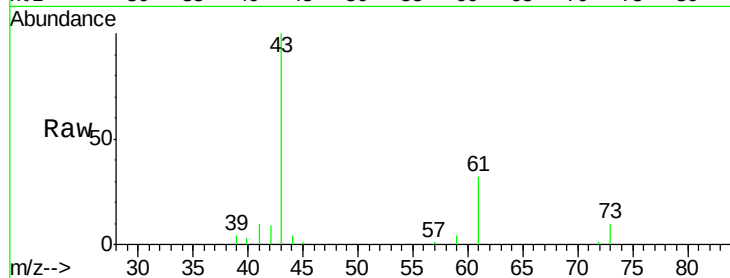
Tot Ion: 43 Resp: 96868

Ion Ratio Lower Upper

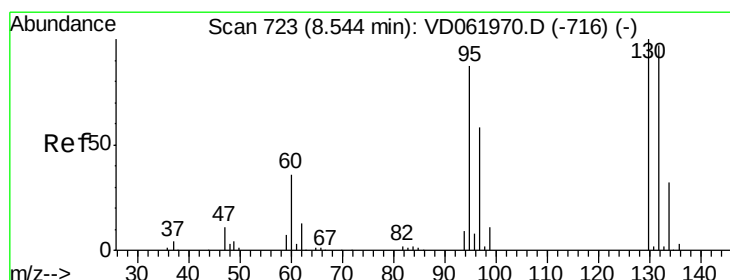
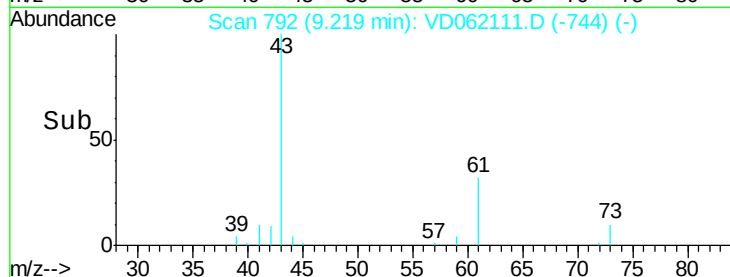
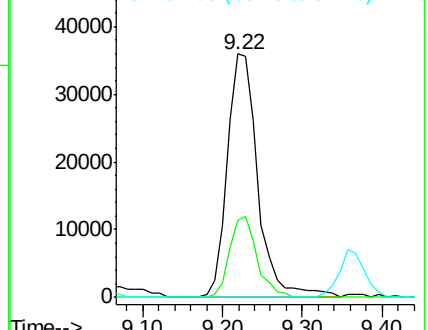
43 100

61 31.5 25.1 37.7

87 0.0 0.0 0.0



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



#44

Trichloroethene

Concen: 21.775 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.03 min

Lab File: VD062111.D

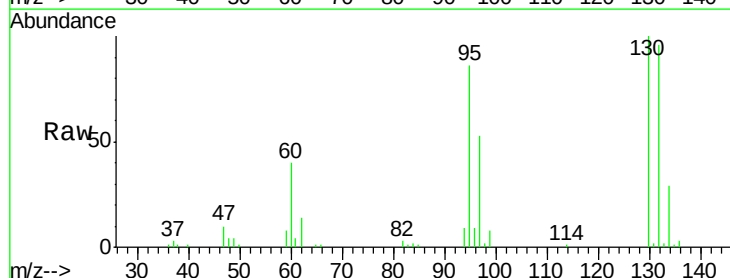
Acq: 2 May 2019 15:05

Tgt Ion:130 Resp: 134499

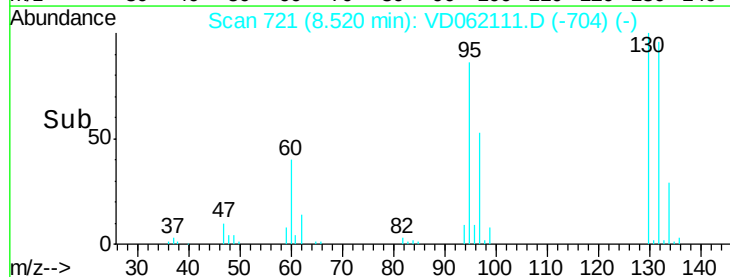
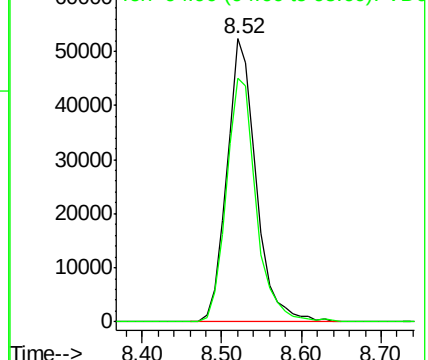
Ion Ratio Lower Upper

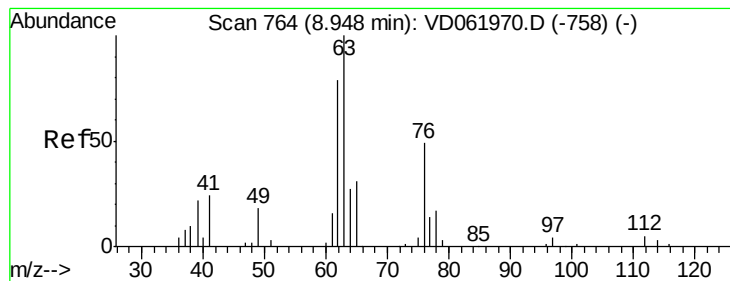
130 100

95 86.0 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 22.742 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

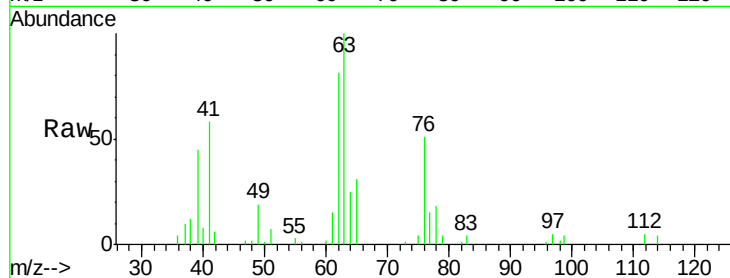
ClientSampleId :

Tot Ion: 63 Resp: 91919

Ion Ratio Lower Upper

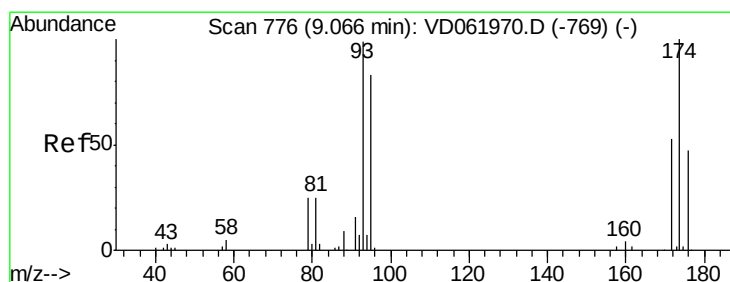
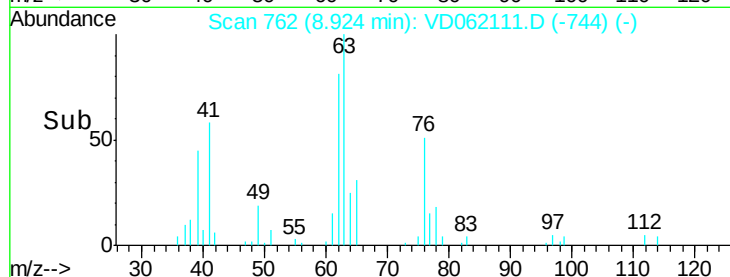
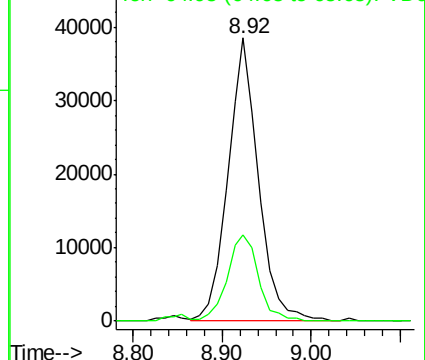
63 100

65 30.6 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.236 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.02 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

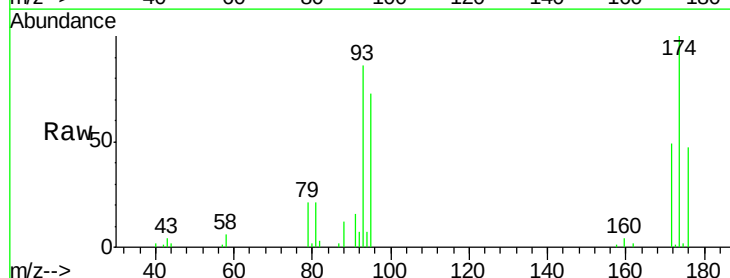
Tgt Ion: 93 Resp: 64671

Ion Ratio Lower Upper

93 100

95 85.1 64.8 97.2

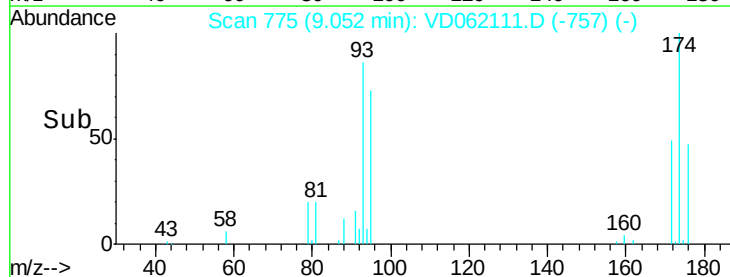
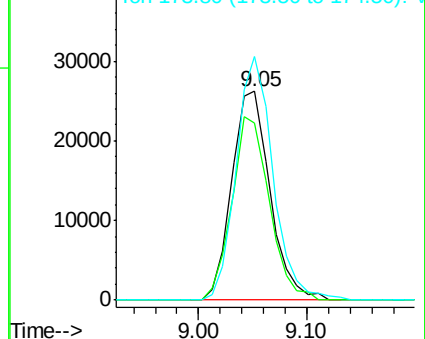
174 116.6 79.3 118.9

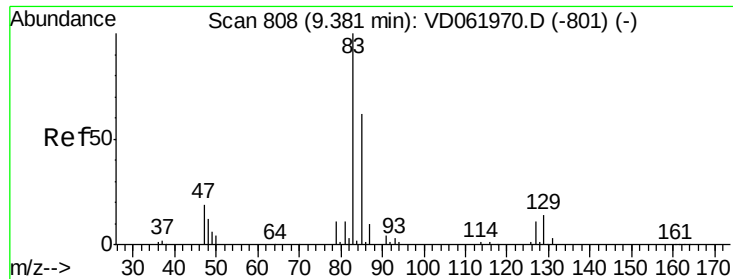


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 23.023 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.03 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

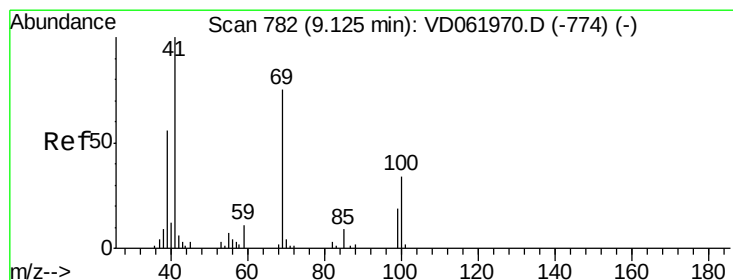
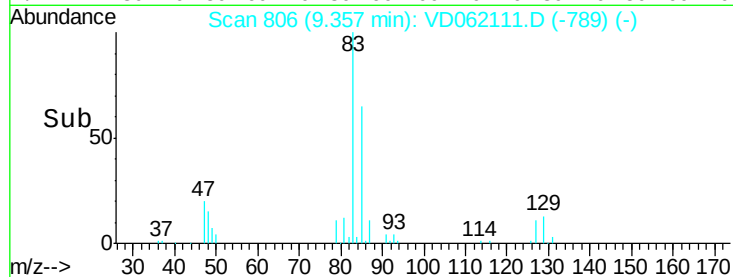
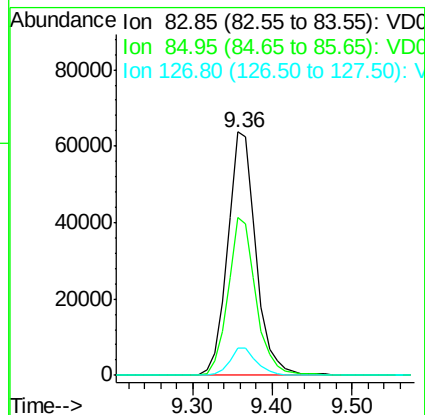
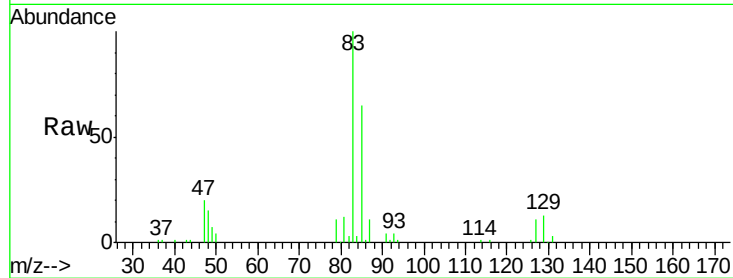
Tot Ion: 83 Resp: 158213

Ion Ratio Lower Upper

83 100

85 65.0 50.9 76.3

127 11.2 8.1 12.1



#48

Methyl methacrylate

Concen: 24.176 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.03 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

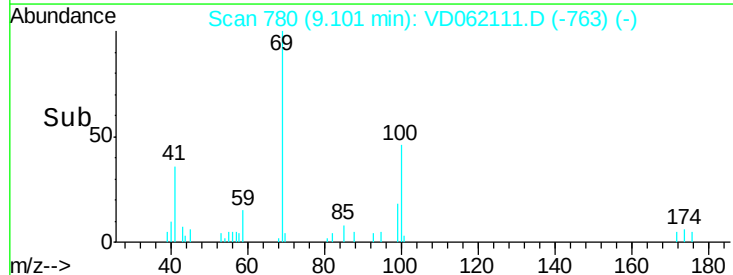
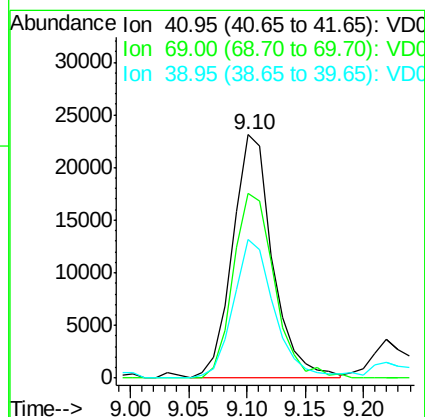
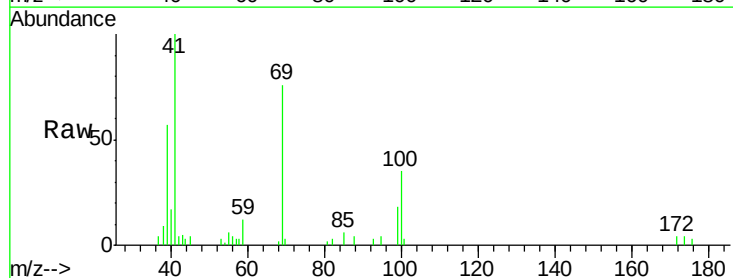
Tgt Ion: 41 Resp: 55273

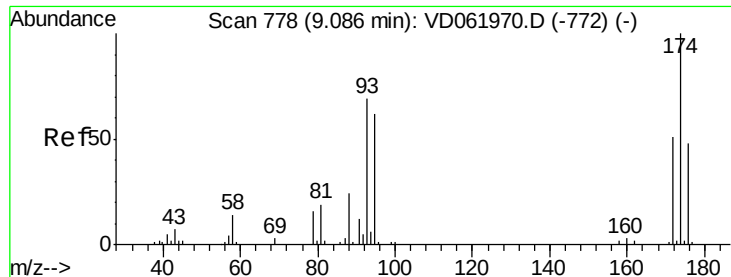
Ion Ratio Lower Upper

41 100

69 75.8 64.2 96.2

39 57.1 46.8 70.2

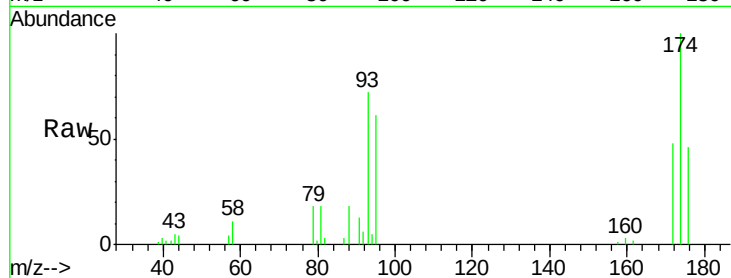




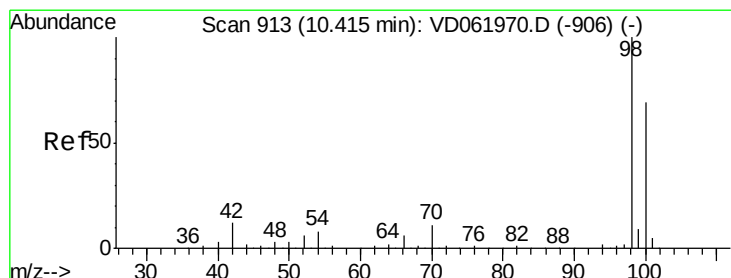
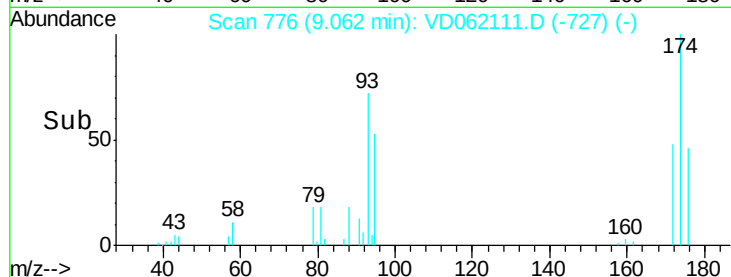
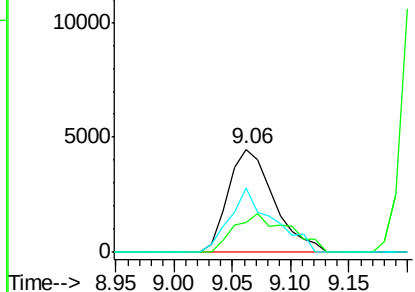
#49
1,4-Dioxane
Concen: 494.676 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.02 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 12193
Ion Ratio Lower Upper
88 100
43 29.5 23.4 35.0
58 61.9 44.0 66.0

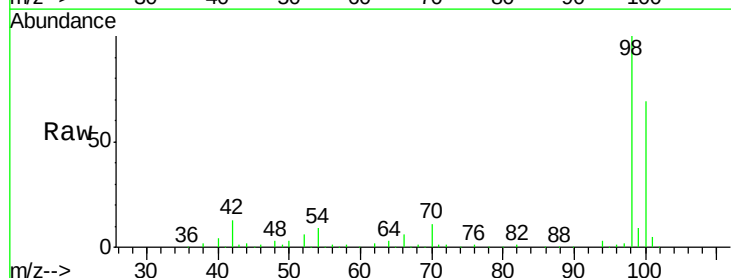


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

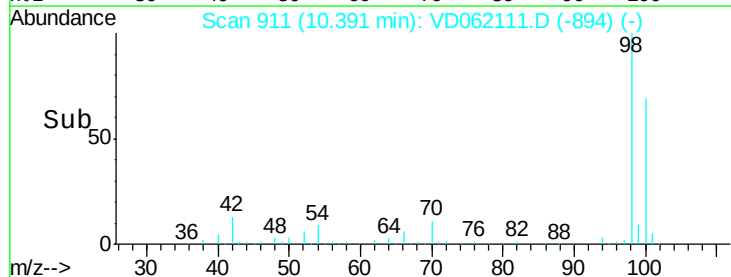
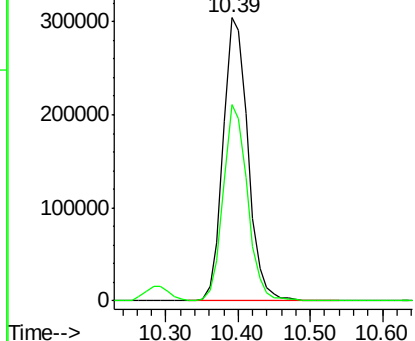


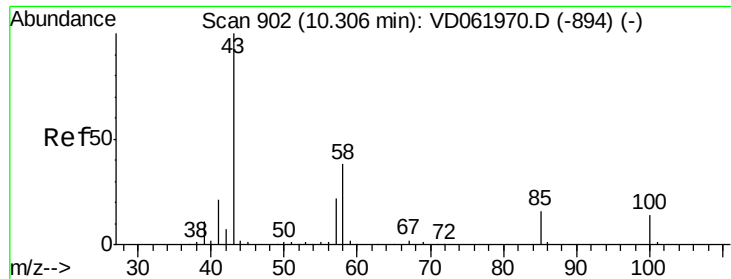
#50
Toluene-d8
Concen: 53.272 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.03 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion: 98 Resp: 724144
Ion Ratio Lower Upper
98 100
100 69.3 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 123.015 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

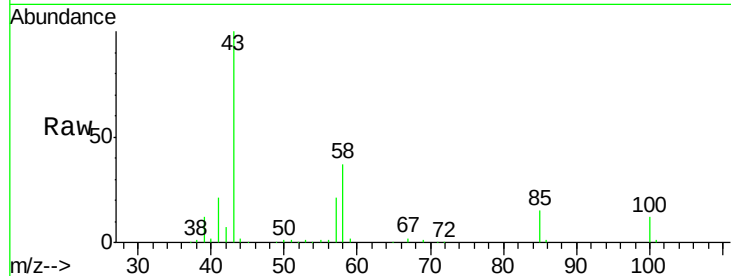
ClientSampled :

Tot Ion: 43 Resp: 301453

Ion Ratio Lower Upper

43 100

58 36.6 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.28

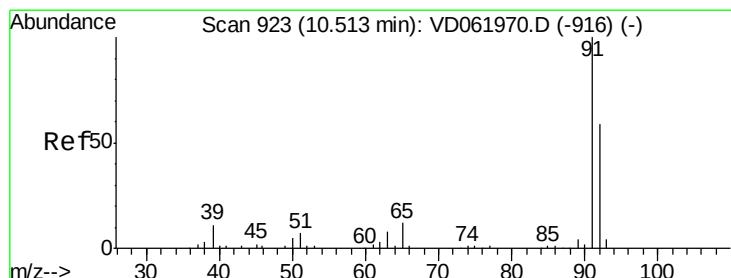
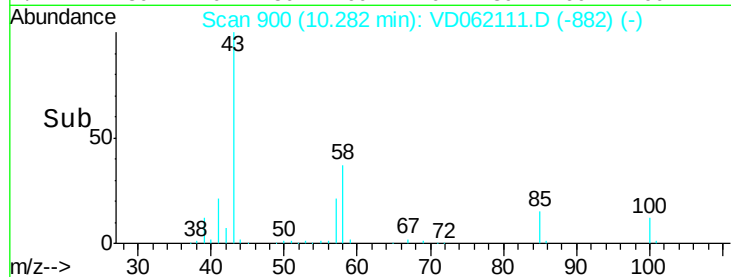
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.373 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD062111.D

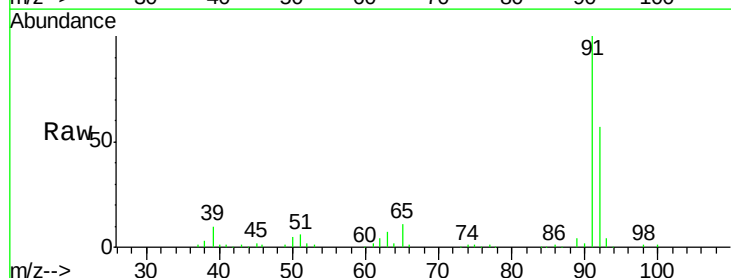
Acq: 2 May 2019 15:05

Tgt Ion: 92 Resp: 217118

Ion Ratio Lower Upper

92 100

91 174.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

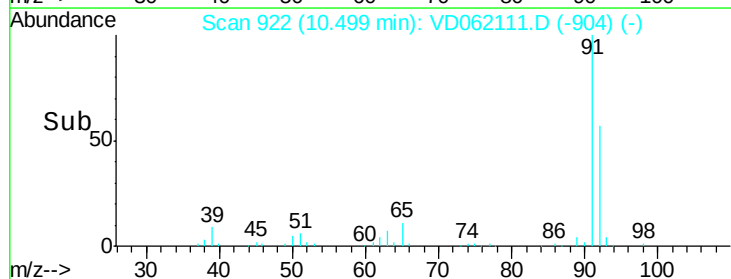
150000

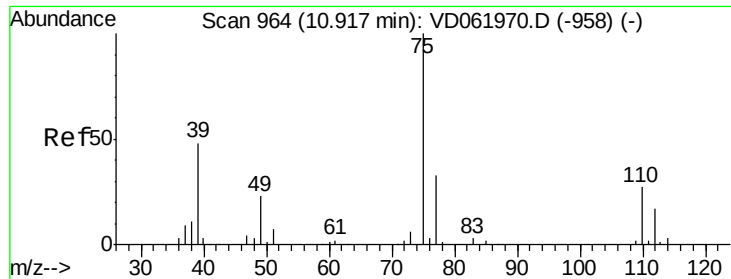
100000

50000

0

Time-->

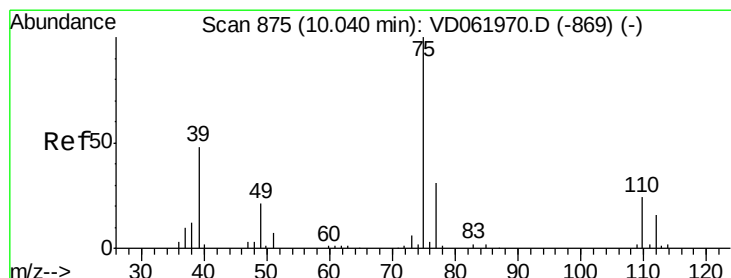
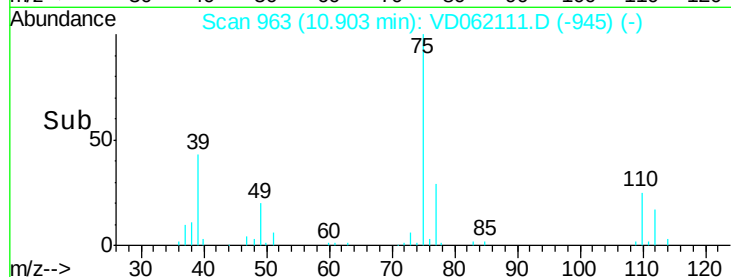
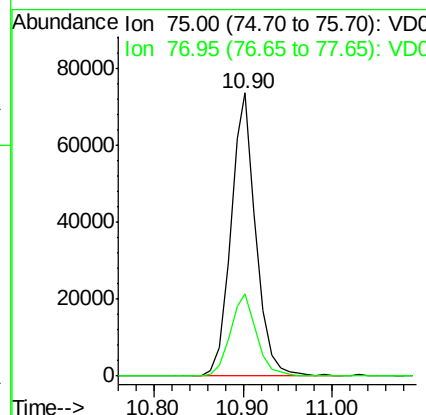
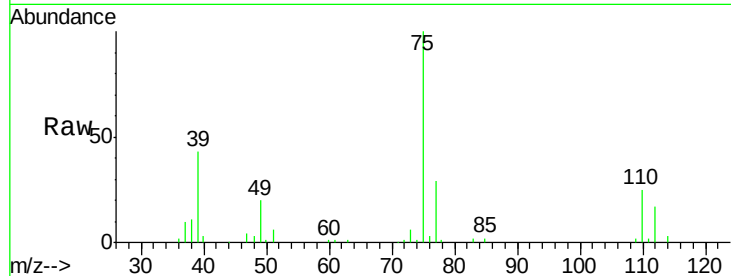




#53
 t-1,3-Dichloropropene
 Concen: 24.909 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

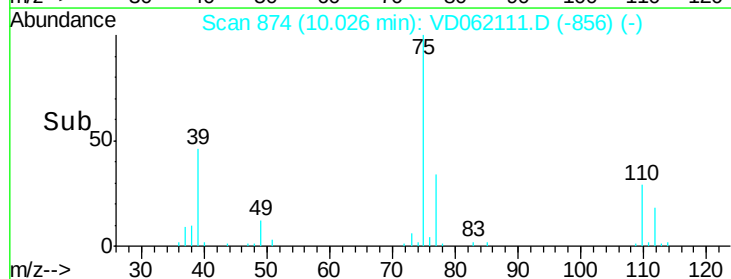
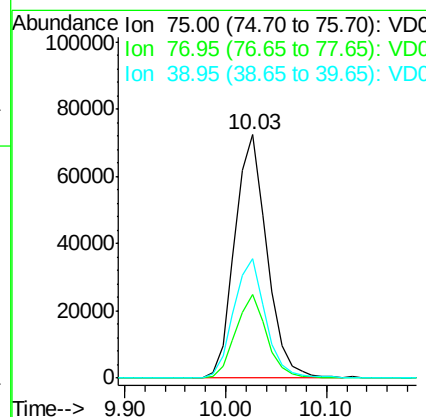
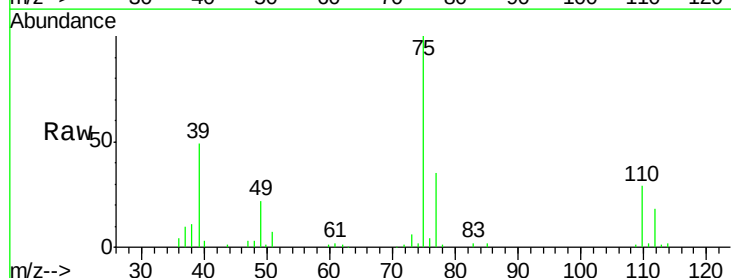
Instrument :
 MSVOA_D
 ClientSampleId :

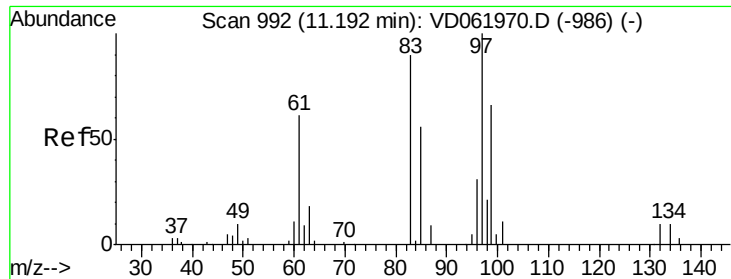
Tot Ion: 75 Resp: 143682
 Ion Ratio Lower Upper
 75 100
 77 29.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.946 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion: 75 Resp: 160983
 Ion Ratio Lower Upper
 75 100
 77 34.5 25.5 38.3
 39 49.0 39.4 59.2

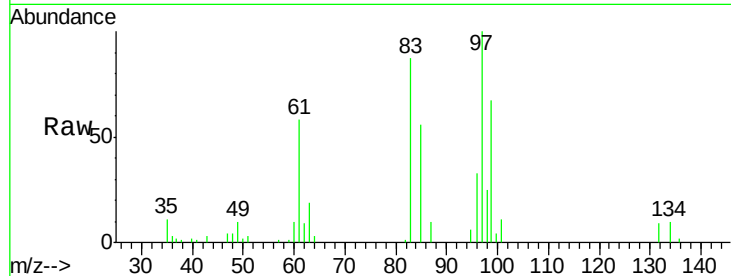




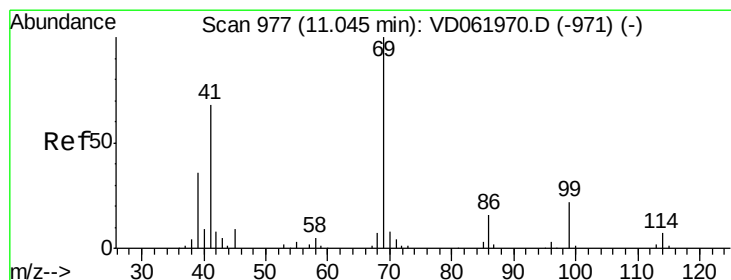
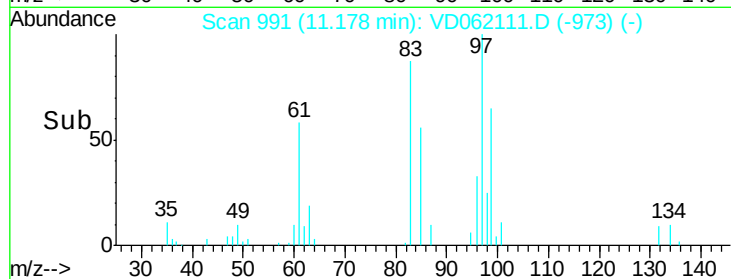
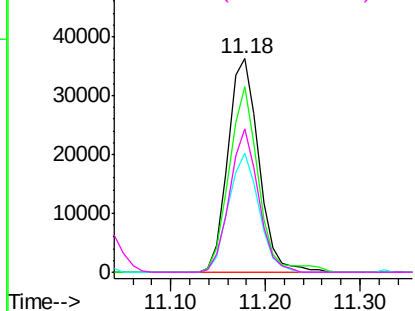
#55
 1,1,2-Trichloroethane
 Concen: 24.046 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	82008
Ion	Ratio	Lower	Upper
97	100		
83	86.7	65.7	98.5
85	55.6	45.6	68.4
99	67.4	48.4	72.6

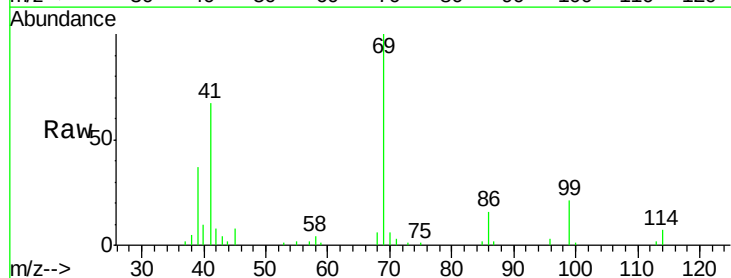


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

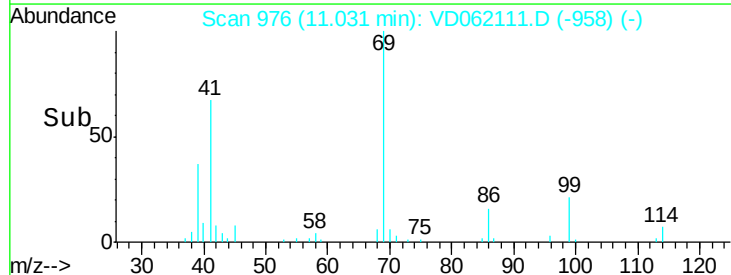
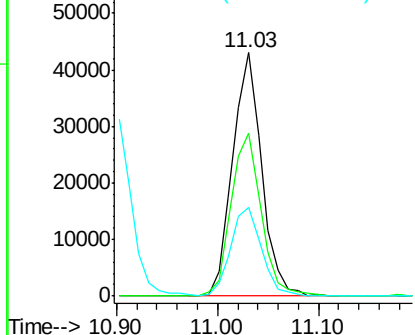


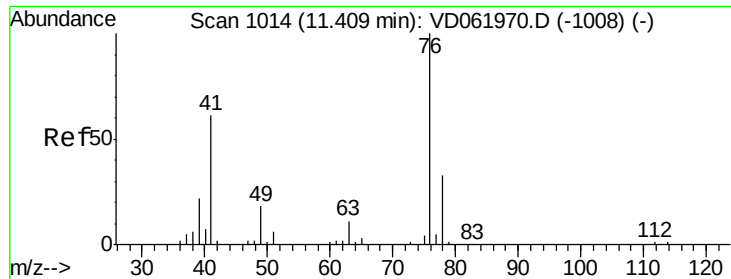
#56
 Ethyl methacrylate
 Concen: 22.877 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion:	69	Resp:	86413
Ion	Ratio	Lower	Upper
69	100		
41	67.0	56.3	84.5
39	36.6	29.4	44.2



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

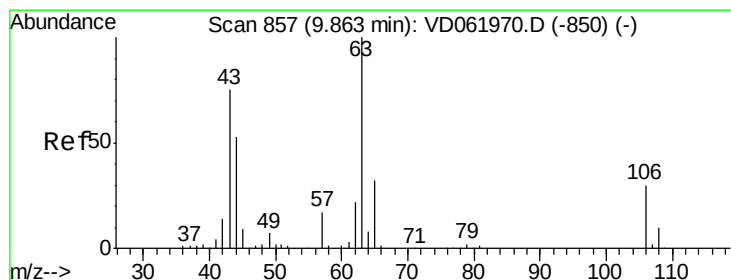
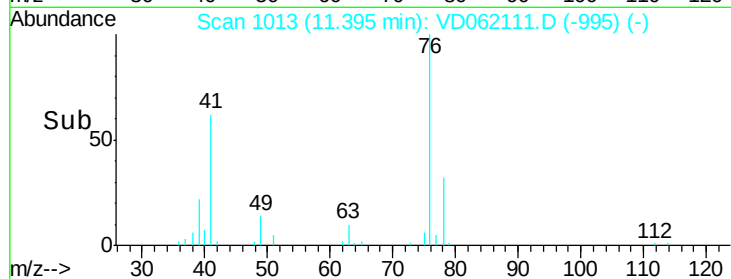
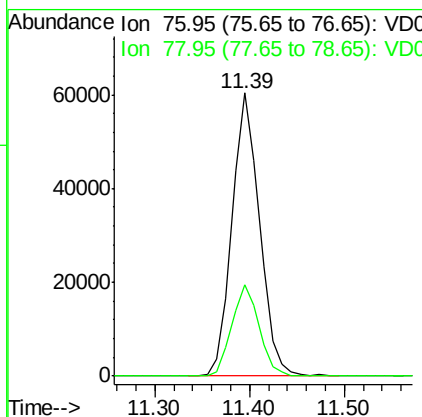
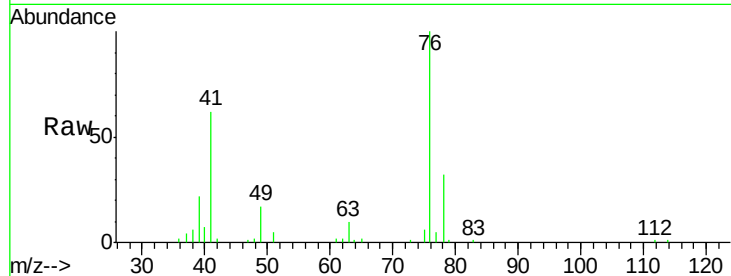




#57
 1,3-Dichloropropane
 Concen: 23.069 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.02 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

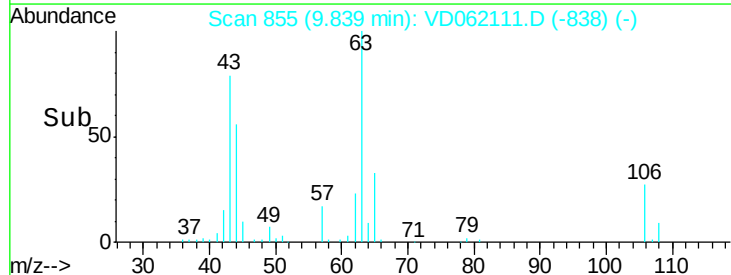
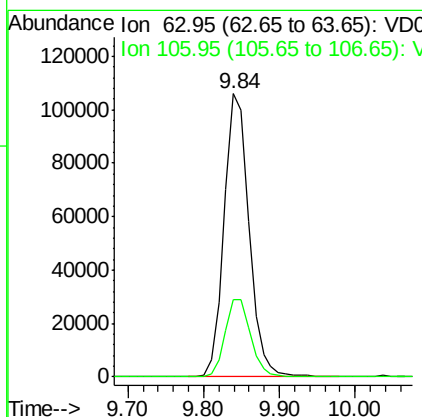
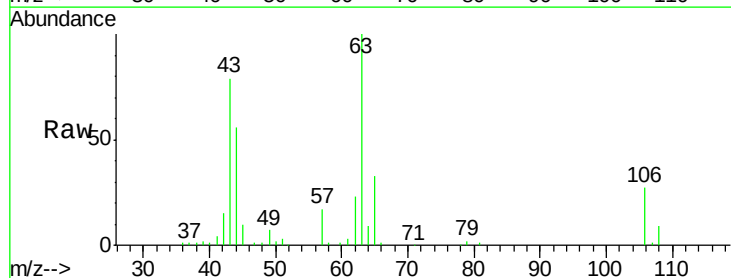
Instrument :
 MSVOA_D
 ClientSampleId :

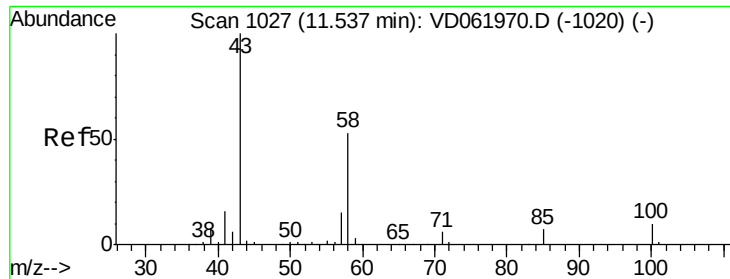
Tot Ion: 76 Resp: 121512
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 137.793 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.03 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion: 63 Resp: 241984
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.6 34.0

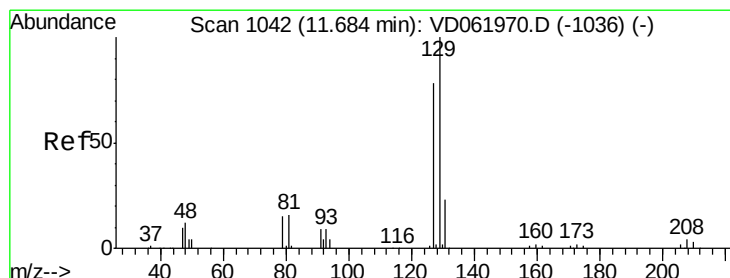
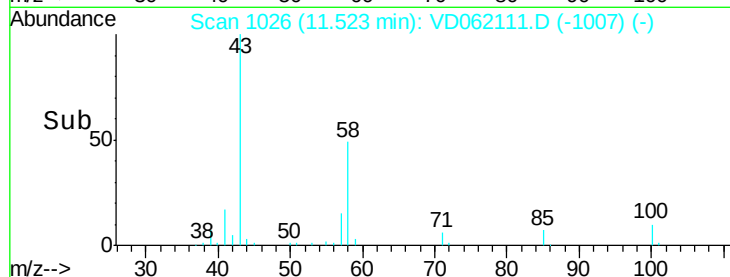
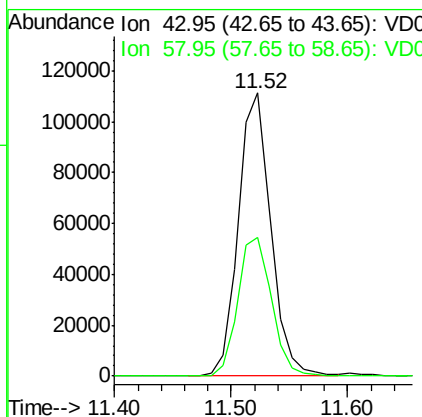
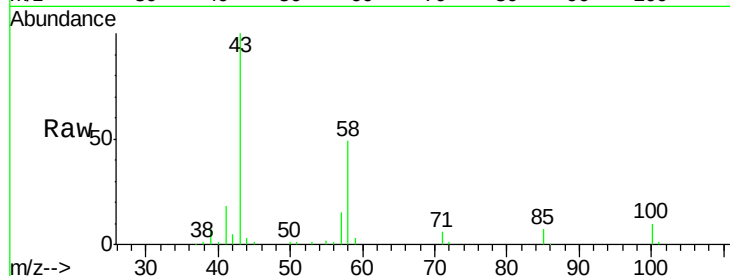




#59
2-Hexanone
Concen: 116.932 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

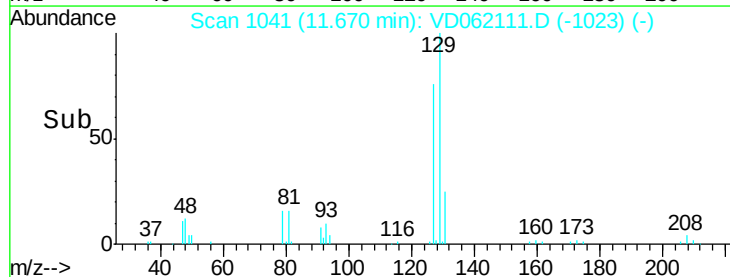
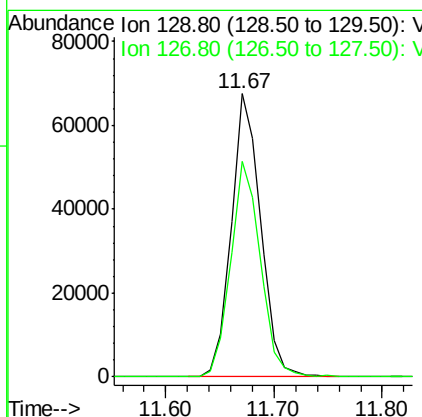
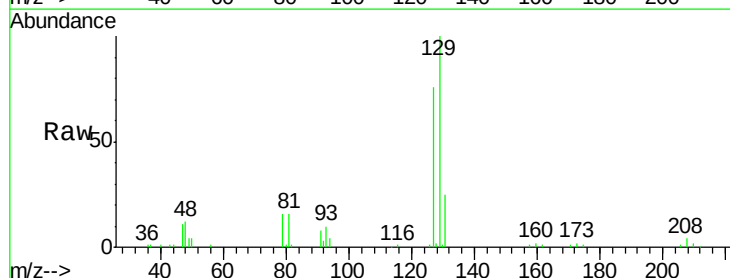
Instrument :
MSVOA_D
ClientSampled :

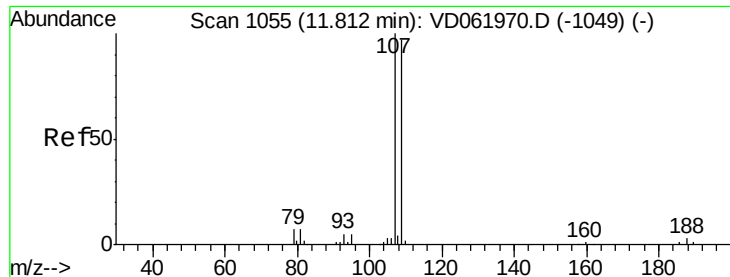
Tot Ion: 43 Resp: 214951
Ion Ratio Lower Upper
43 100
58 49.1 25.4 76.4



#60
Dibromochloromethane
Concen: 22.576 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion: 129 Resp: 127399
Ion Ratio Lower Upper
129 100
127 76.2 38.0 113.9

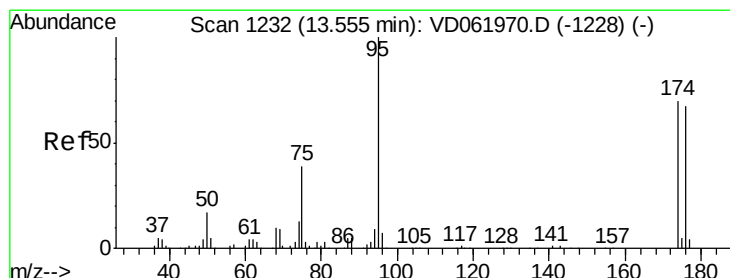
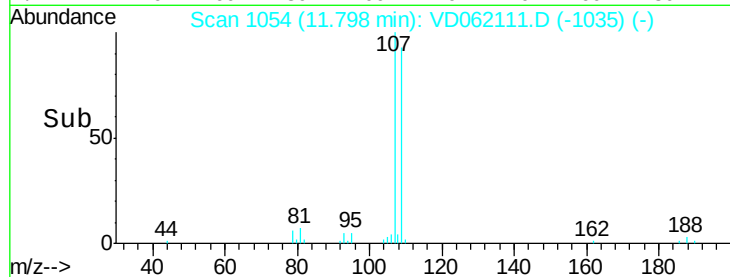
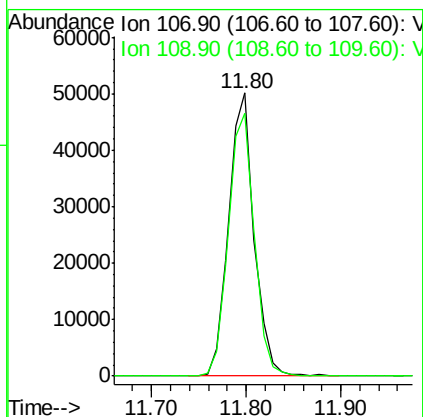
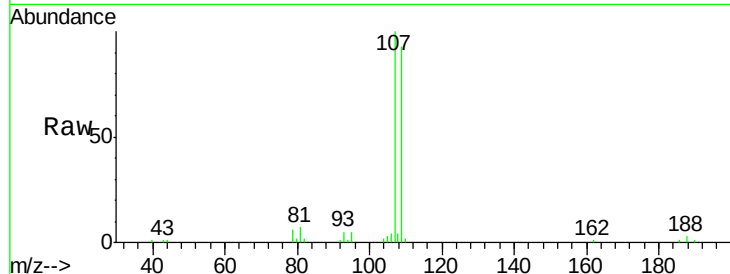




#61
 1,2-Dibromoethane
 Concen: 23.051 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

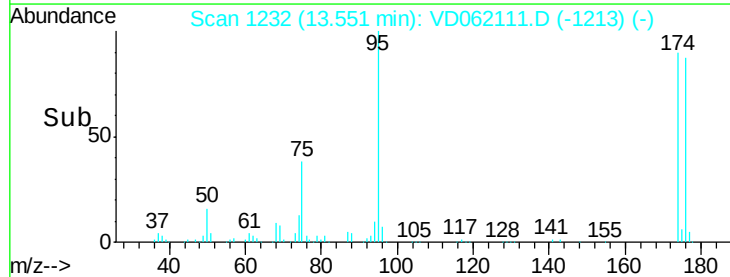
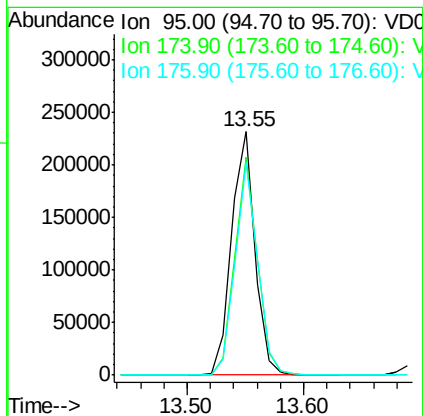
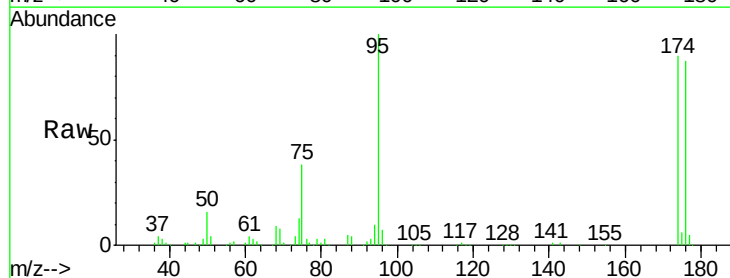
Instrument :
 MSVOA_D
 ClientSampleId :

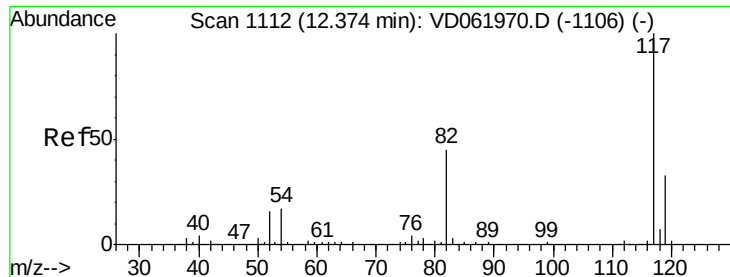
Tot Ion:107 Resp: 93257
 Ion Ratio Lower Upper
 107 100
 109 92.7 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 59.105 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion: 95 Resp: 322250
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 181.8
 176 87.2 0.0 174.4

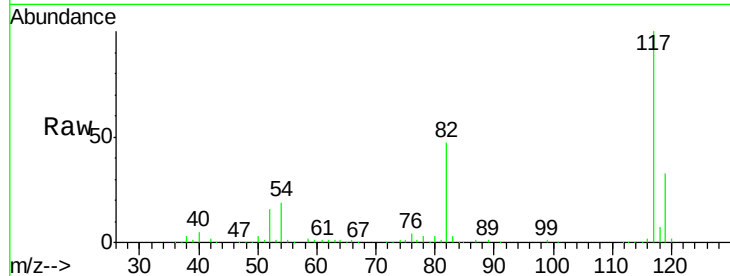




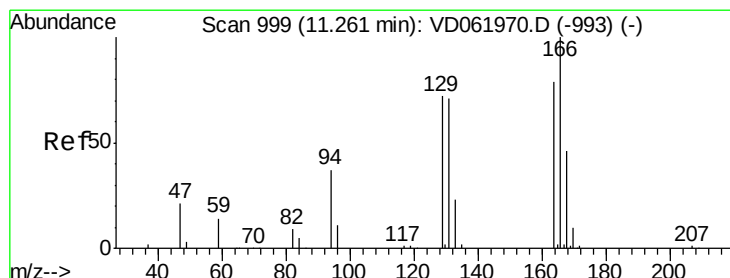
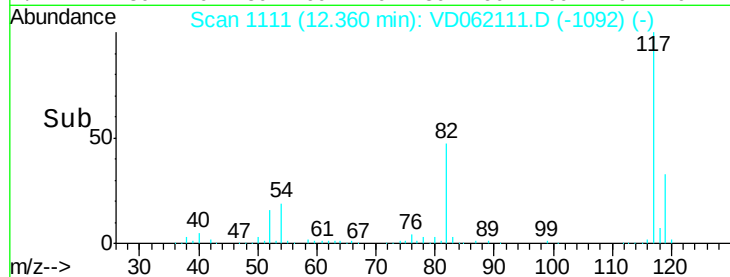
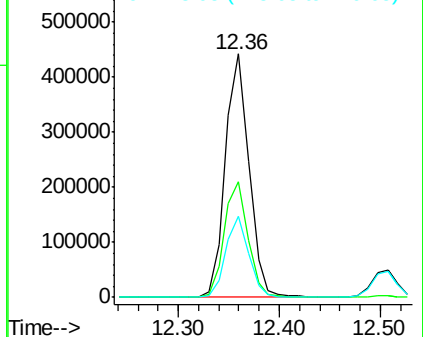
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 721240
Ion Ratio Lower Upper
117 100
82 47.4 36.2 54.2
119 33.5 26.2 39.4

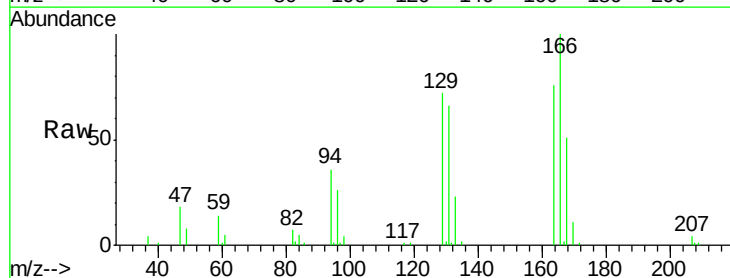


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

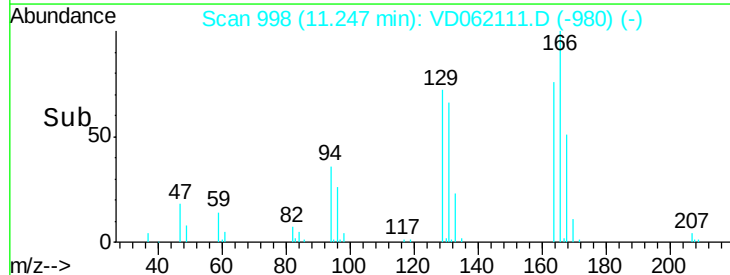
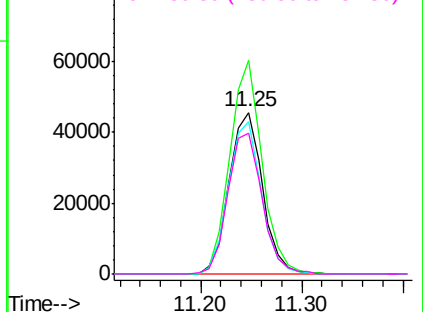


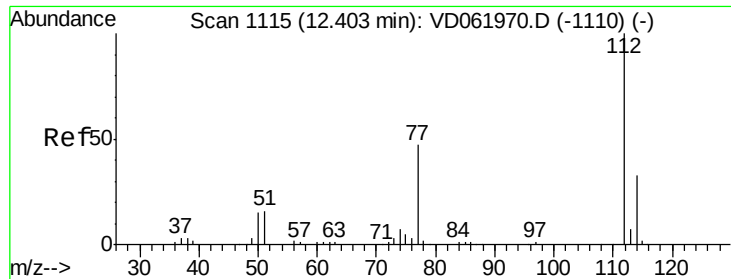
#64
Tetrachloroethene
Concen: 20.379 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion:164 Resp: 104850
Ion Ratio Lower Upper
164 100
166 132.2 101.5 152.3
129 94.7 74.6 112.0
131 86.8 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

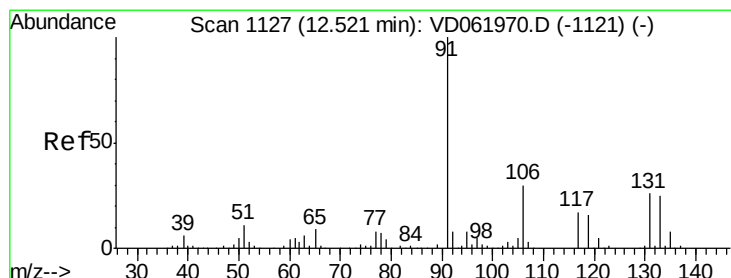
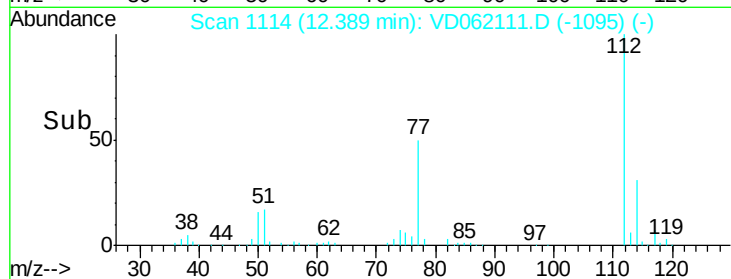
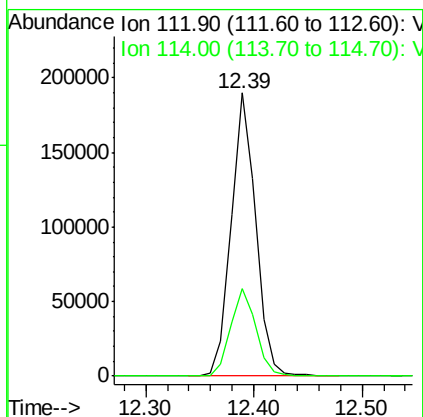
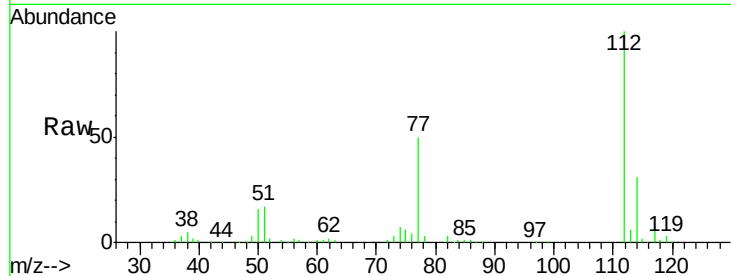




#65
Chlorobenzene
Concen: 21.934 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

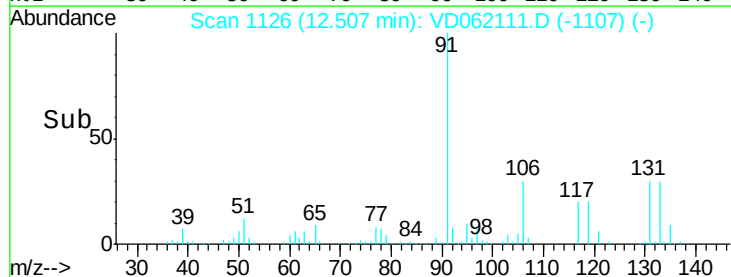
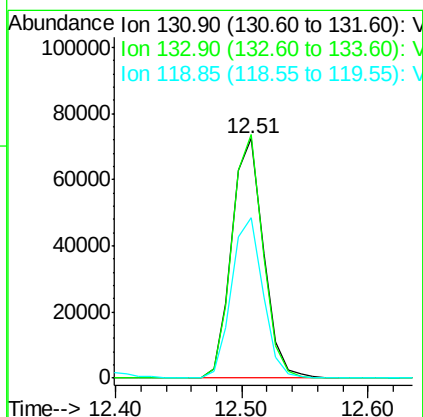
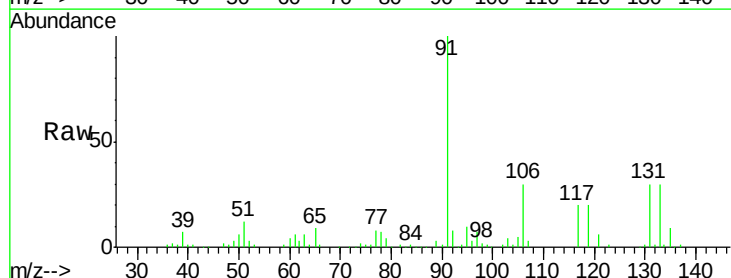
Instrument :
MSVOA_D
ClientSampled :

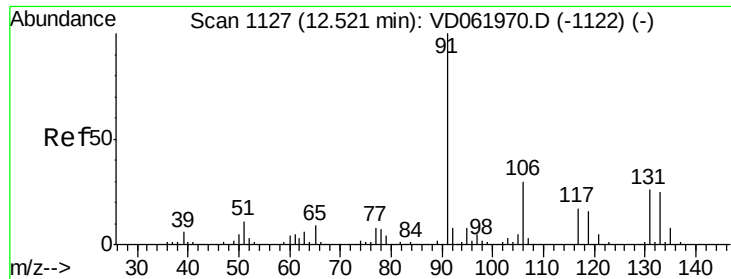
Tot Ion:112 Resp: 298934
Ion Ratio Lower Upper
112 100
114 30.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.749 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion:131 Resp: 125732
Ion Ratio Lower Upper
131 100
133 101.7 48.6 145.8
119 66.8 34.7 104.1

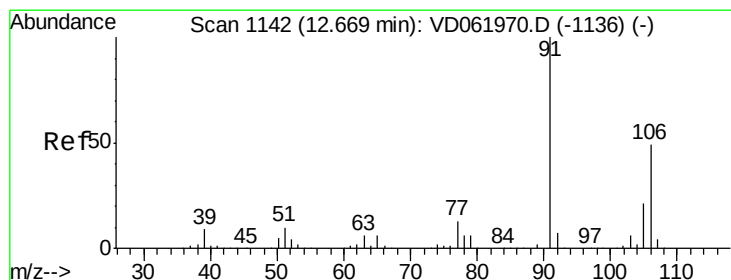
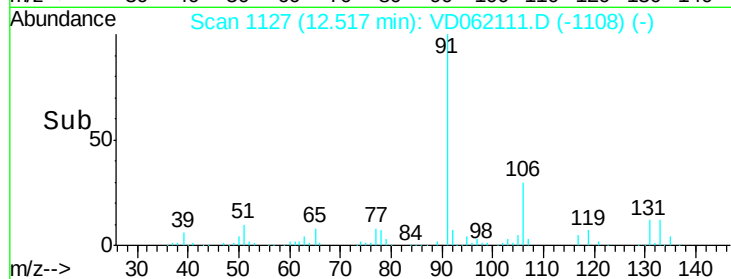
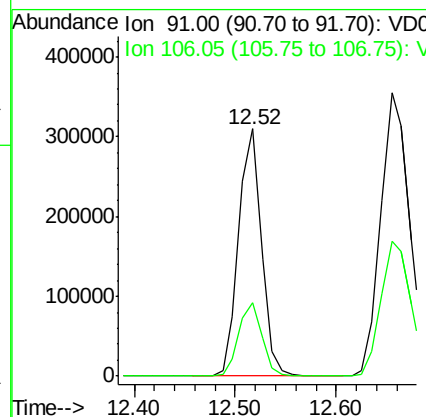
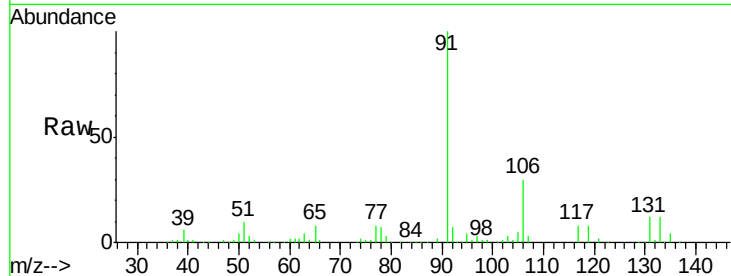




#67
Ethyl Benzene
Concen: 21.989 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

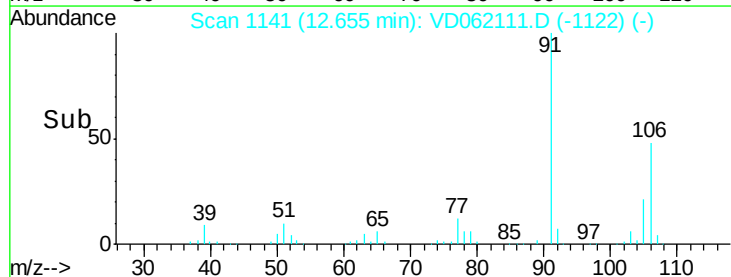
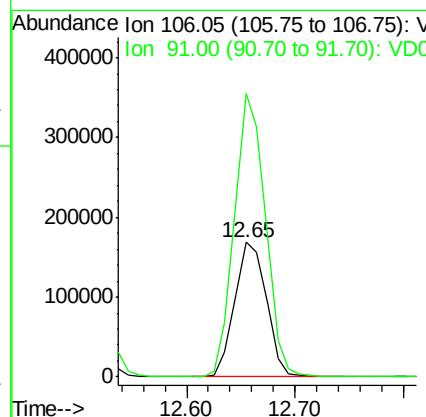
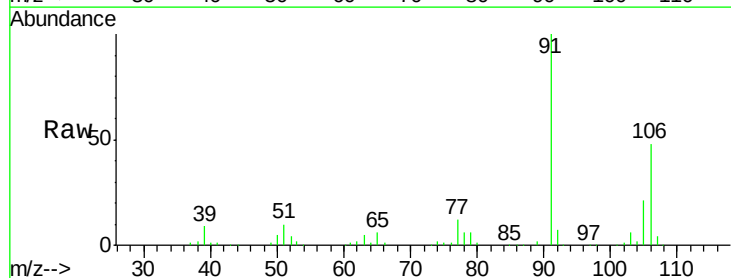
Instrument :
MSVOA_D
ClientSampled :

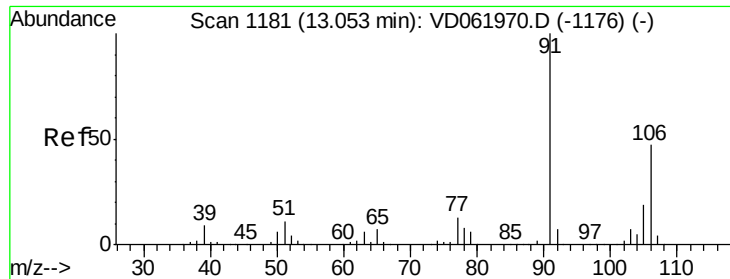
Tot Ion: 91 Resp: 489133
Ion Ratio Lower Upper
91 100
106 29.7 24.7 37.1



#68
m/p-Xylenes
Concen: 42.813 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion:106 Resp: 344210
Ion Ratio Lower Upper
106 100
91 210.5 164.0 246.0

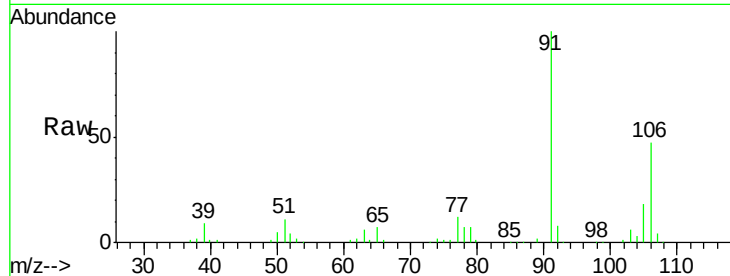




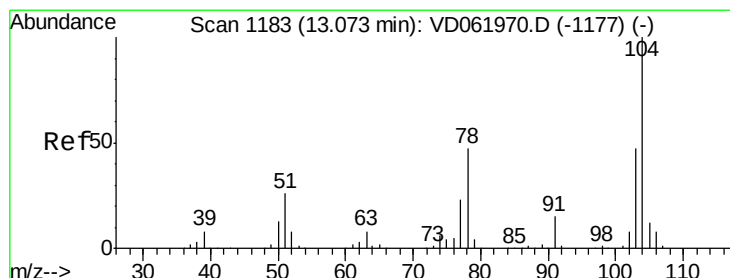
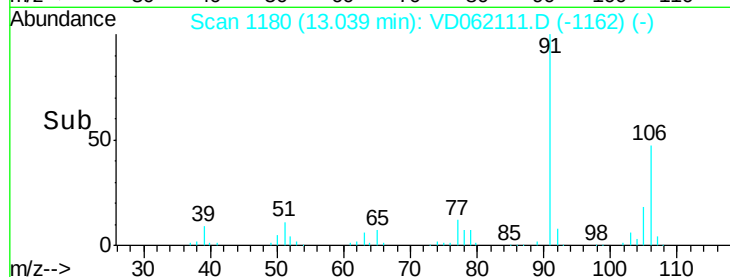
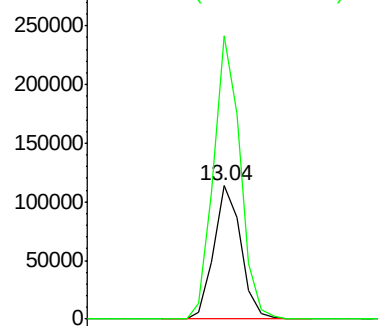
#69
o-Xylene
Concen: 22.994 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 169153
Ion Ratio Lower Upper
106 100
91 212.2 106.7 319.9

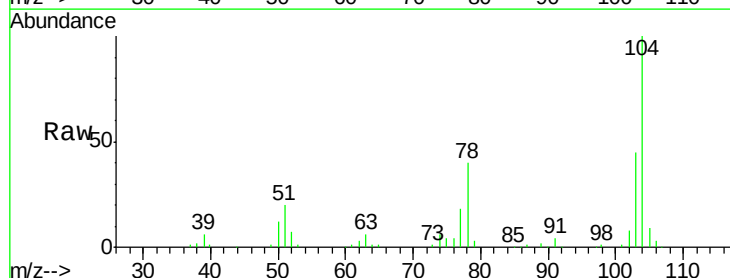


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

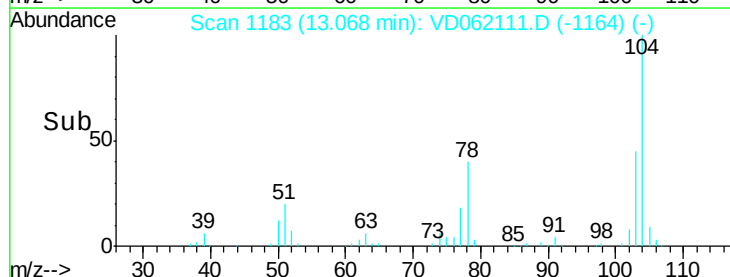
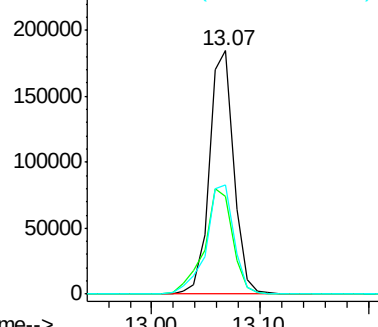


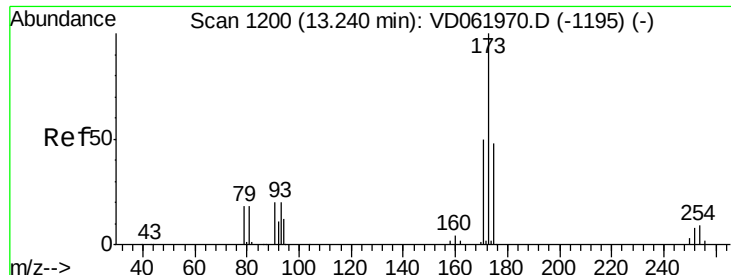
#70
Styrene
Concen: 22.770 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion:104 Resp: 289217
Ion Ratio Lower Upper
104 100
78 40.2 35.4 53.2
103 45.1 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: 21.746 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

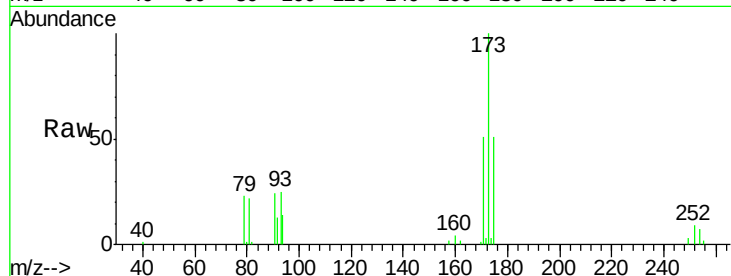
Tot Ion:173 Resp: 71673

Ion Ratio Lower Upper

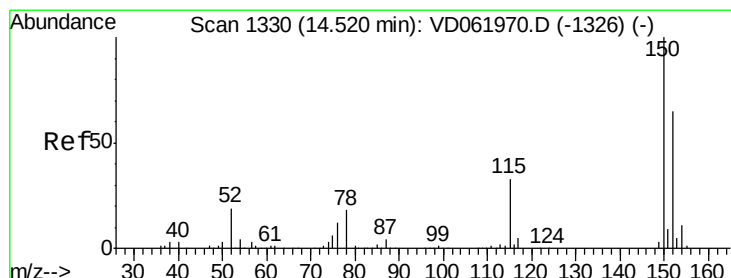
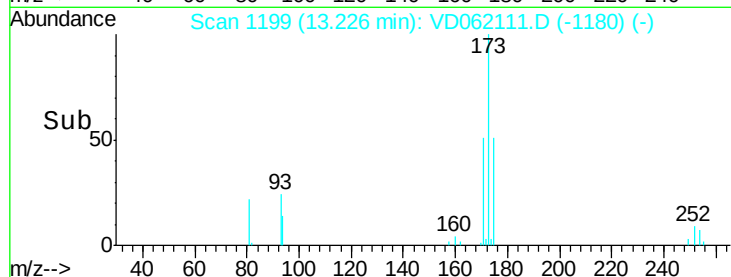
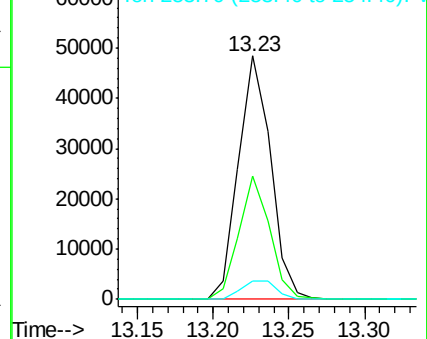
173 100

175 50.6 24.4 73.4

254 7.5 5.4 8.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

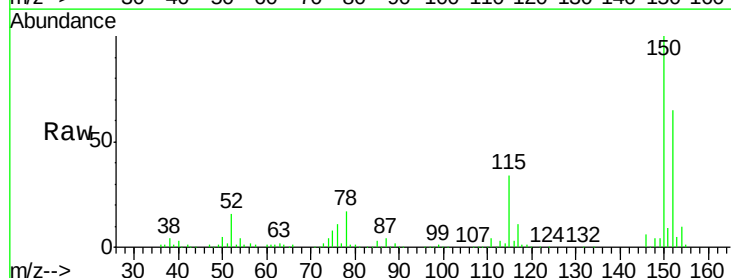
Tgt Ion:152 Resp: 345897

Ion Ratio Lower Upper

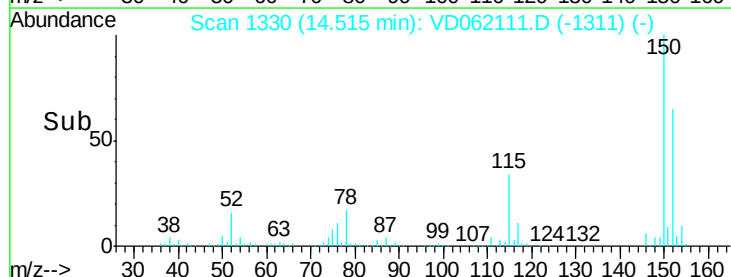
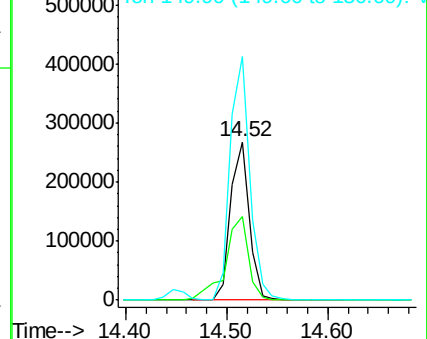
152 100

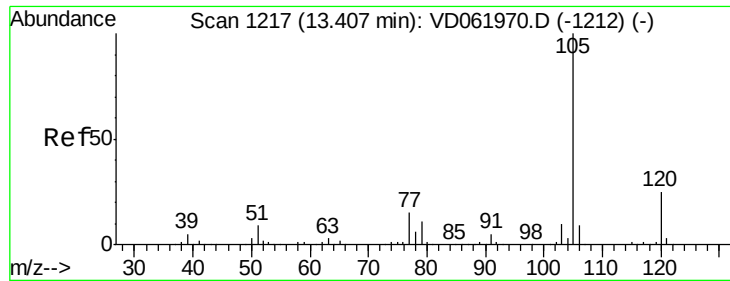
115 53.0 30.9 92.7

150 153.7 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: 19.635 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

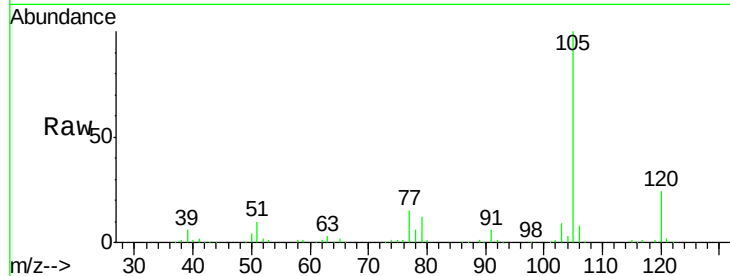
ClientSampleId :

Tot Ion:105 Resp: 453054

Ion Ratio Lower Upper

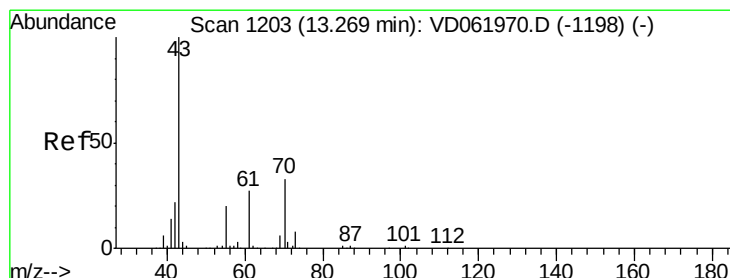
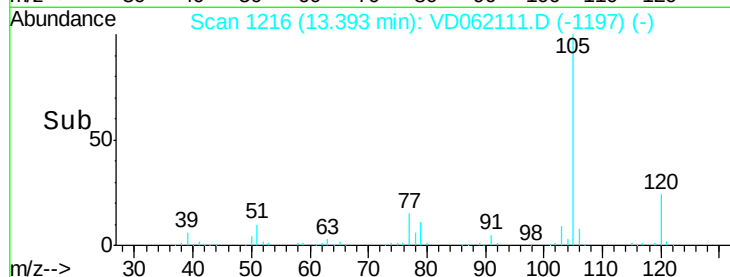
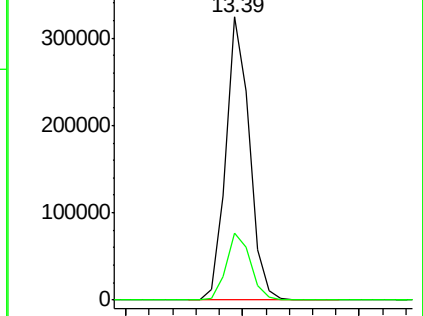
105 100

120 23.6 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: 20.646 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Tgt Ion: 43 Resp: 122687

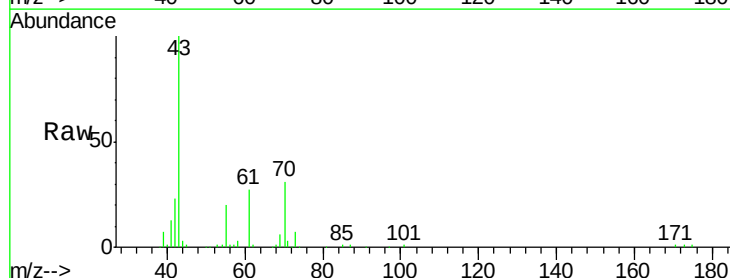
Ion Ratio Lower Upper

43 100

70 30.8 24.2 36.4

55 19.6 16.0 24.0

61 26.8 21.6 32.4

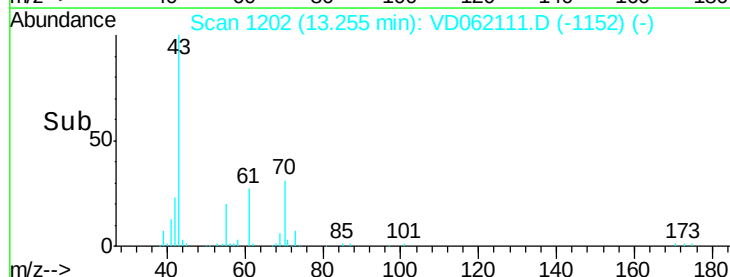
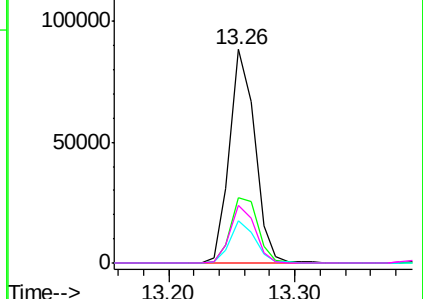


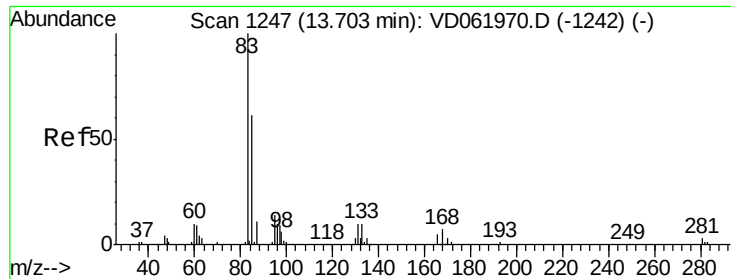
Abundance Ion 42.95 (42.65 to 43.65): V

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: 20.457 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

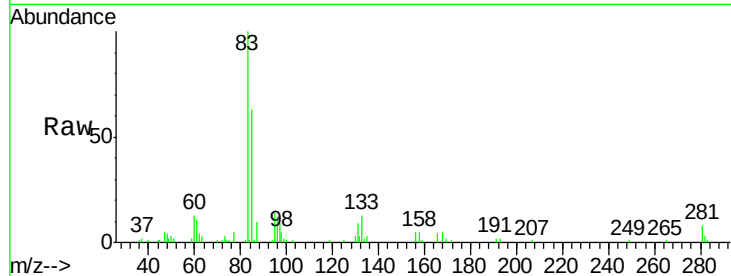
Tot Ion: 83 Resp: 92499

Ion Ratio Lower Upper

83 100

131 9.4 5.0 14.9

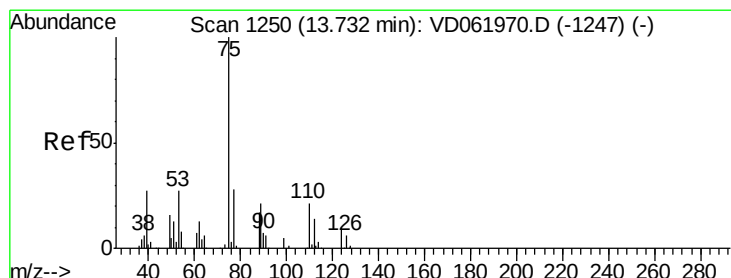
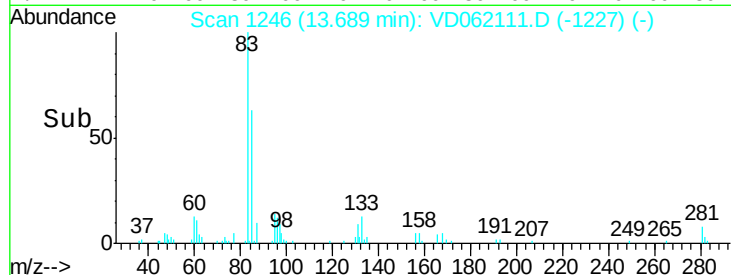
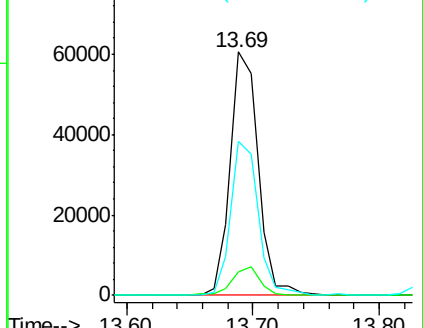
85 63.1 32.6 97.7



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: 21.399 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD062111.D

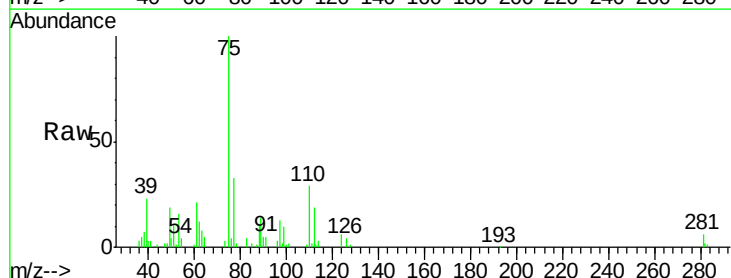
Acq: 2 May 2019 15:05

Tgt Ion: 75 Resp: 93992

Ion Ratio Lower Upper

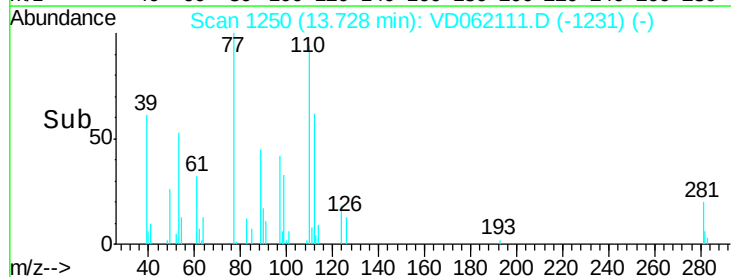
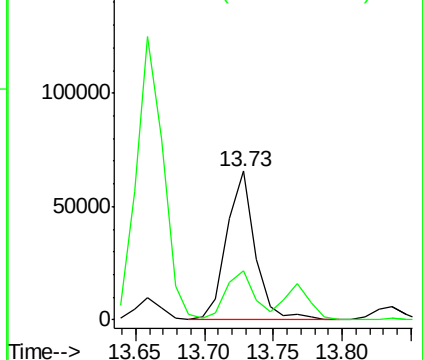
75 100

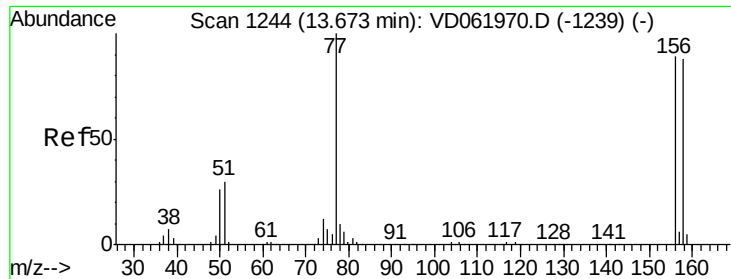
77 32.7 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.809 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

ClientSampleId :

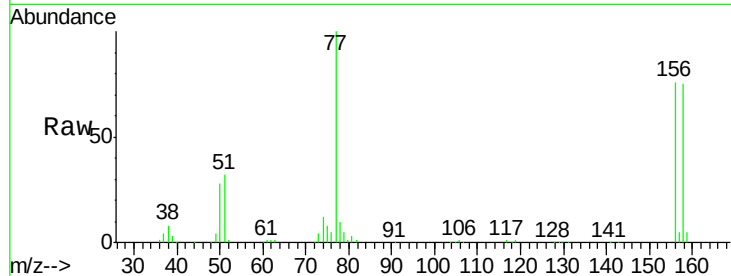
Tot Ion:156 Resp: 137737

Ion Ratio Lower Upper

156 100

77 132.1 53.1 159.4

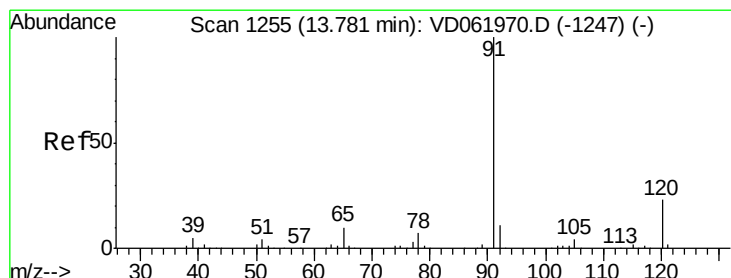
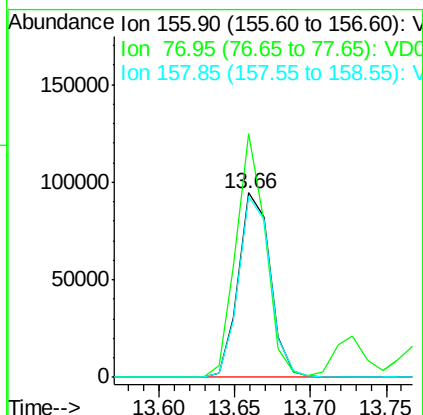
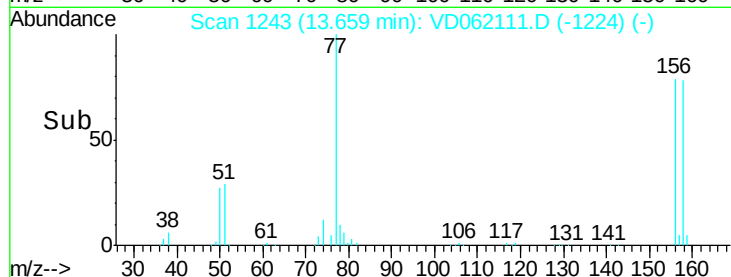
158 98.5 49.4 148.0



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: 21.221 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062111.D

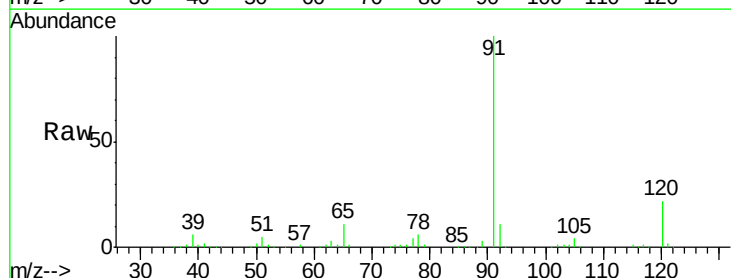
Acq: 2 May 2019 15:05

Tgt Ion: 91 Resp: 560540

Ion Ratio Lower Upper

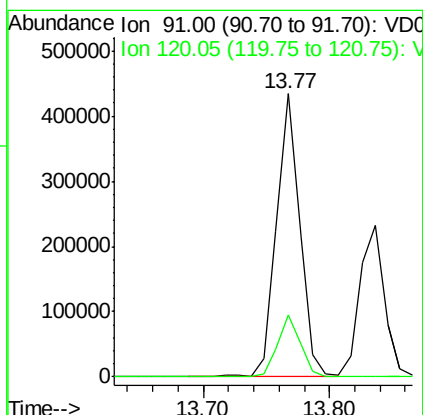
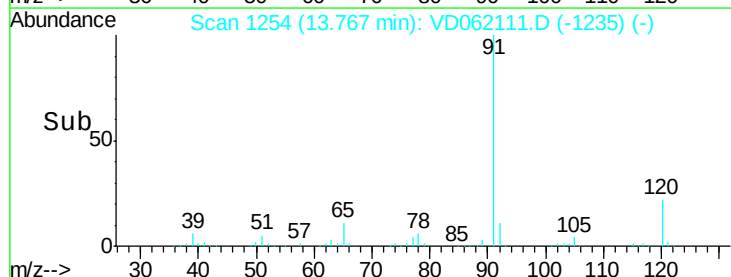
91 100

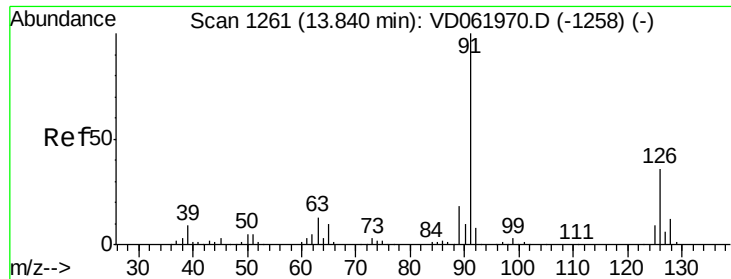
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

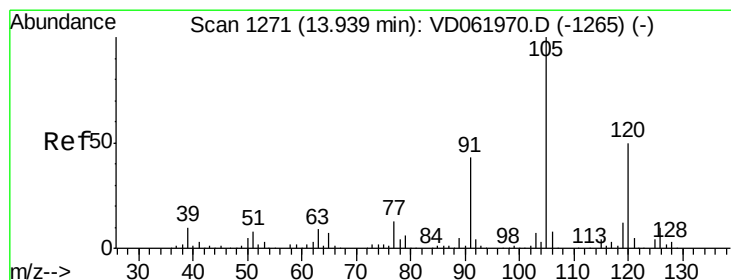
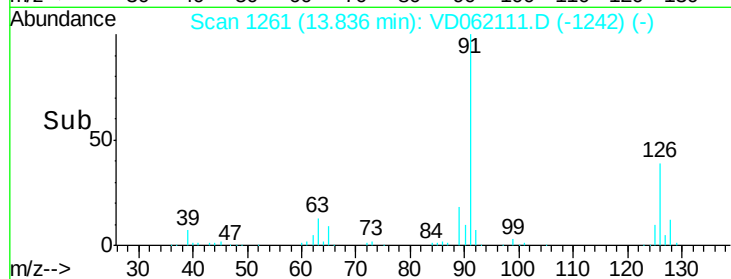
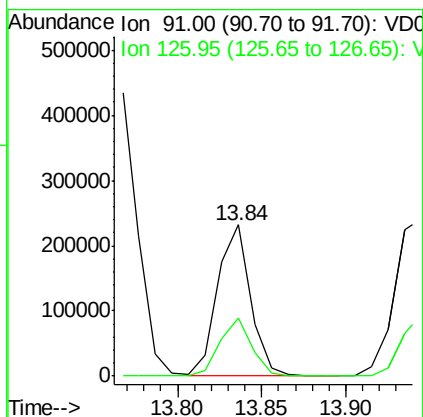
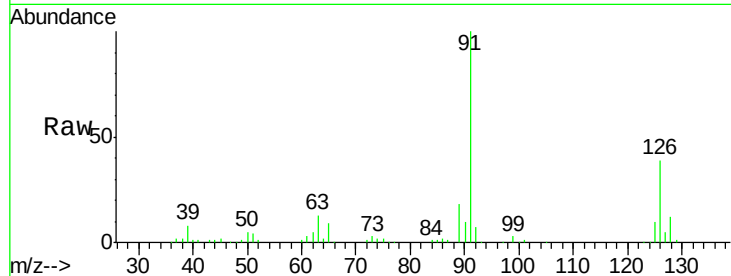




#79
 2-Chlorotoluene
 Concen: 19.763 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

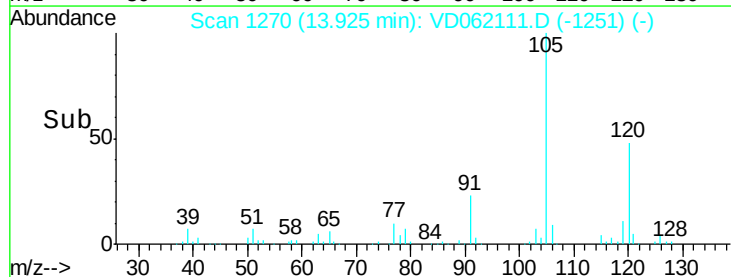
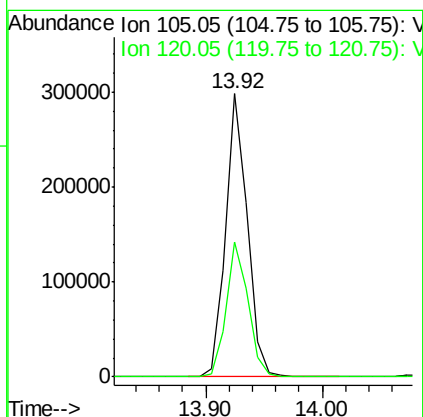
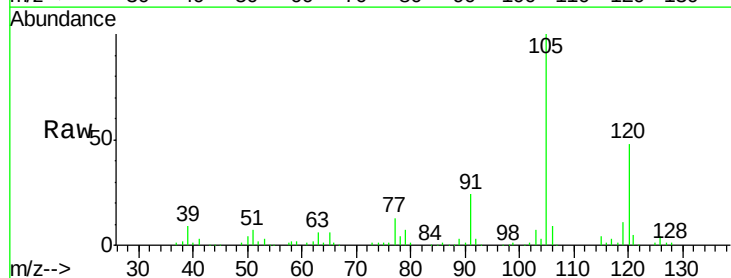
Instrument :
 MSVOA_D
 ClientSampleId :

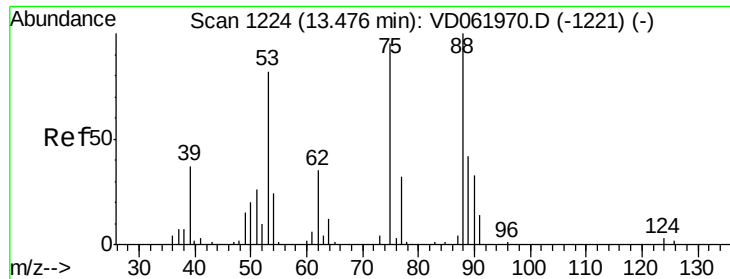
Tot Ion: 91 Resp: 316191
 Ion Ratio Lower Upper
 91 100
 126 38.6 18.6 55.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.824 ug/l
 RT: 13.92 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion: 105 Resp: 383126
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.0 72.0

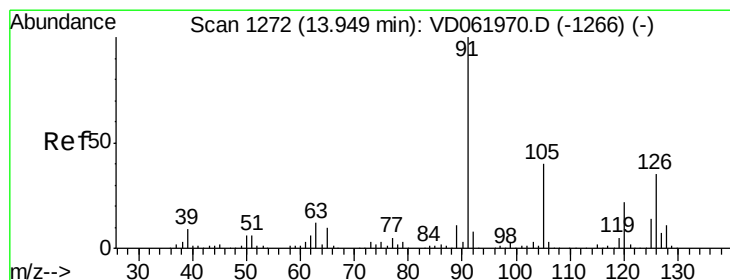
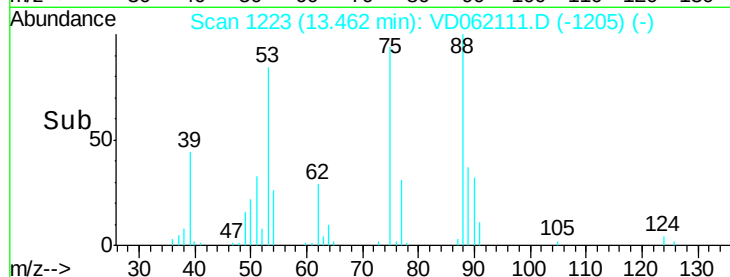
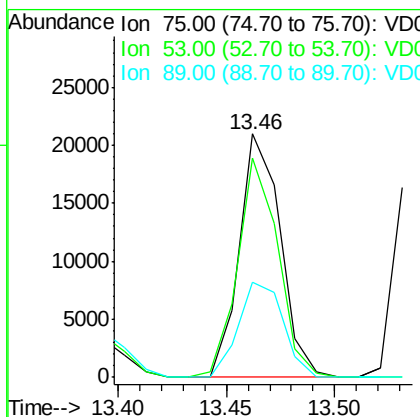
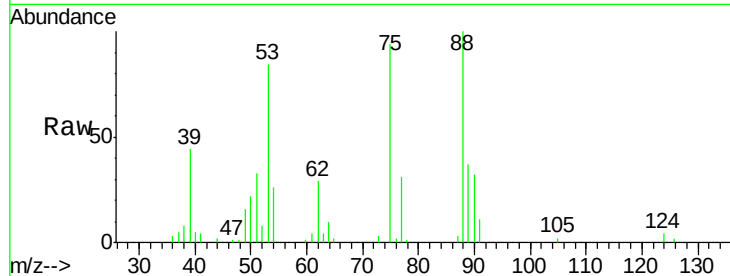




#81
trans-1,4-Dichloro-2-butene
Concen: 20.937 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

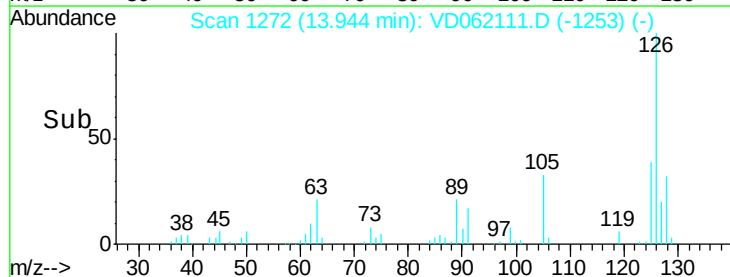
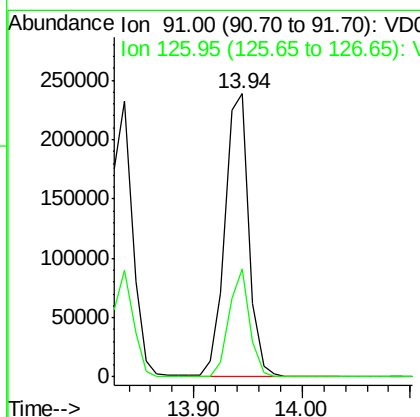
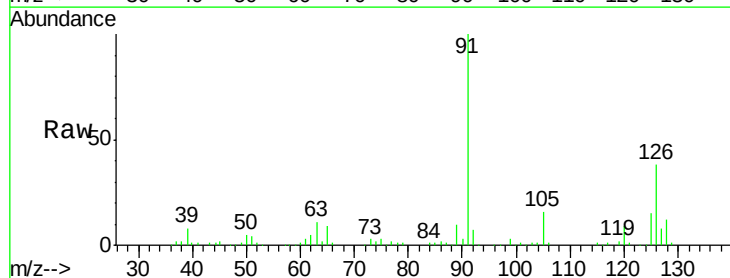
Instrument :
MSVOA_D
ClientSampled :

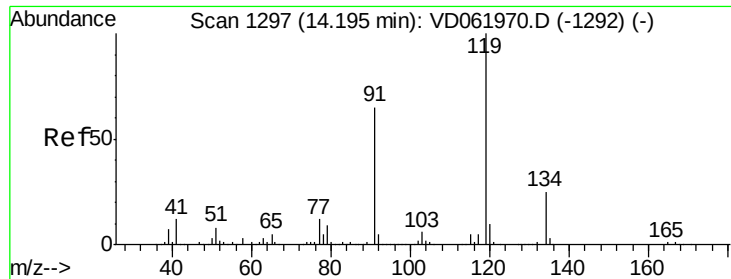
Tot Ion: 75 Resp: 27869
Ion Ratio Lower Upper
75 100
53 90.2 65.8 98.8
89 39.1 35.0 52.6



#82
4-Chlorotoluene
Concen: 20.829 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion: 91 Resp: 366993
Ion Ratio Lower Upper
91 100
126 38.0 19.1 57.5

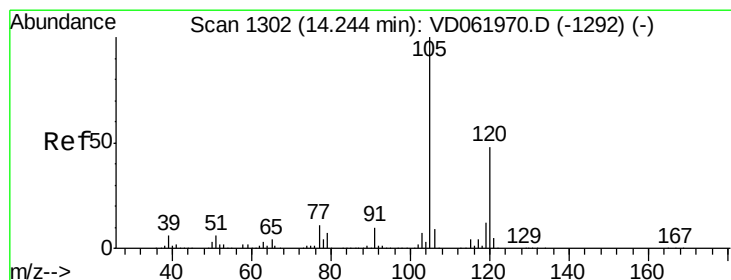
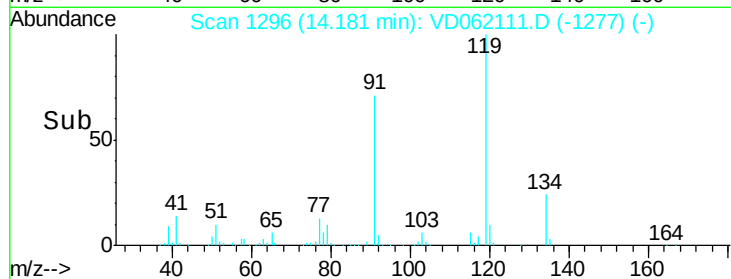
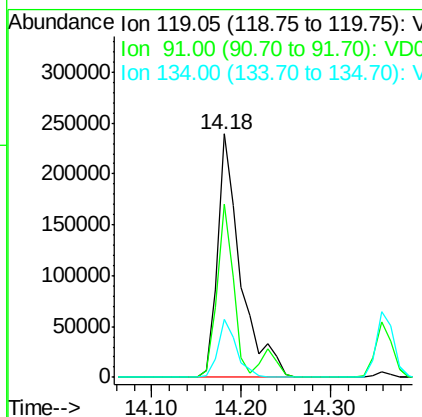
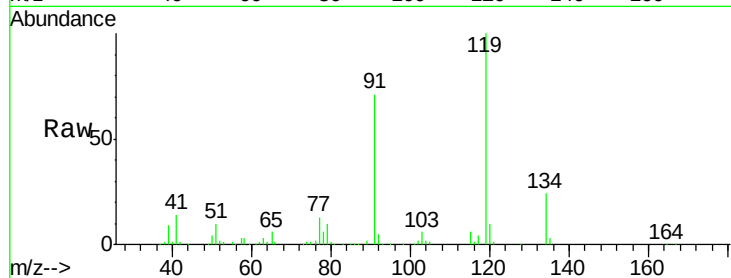




#83
 tert-Butylbenzene
 Concen: 20.315 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

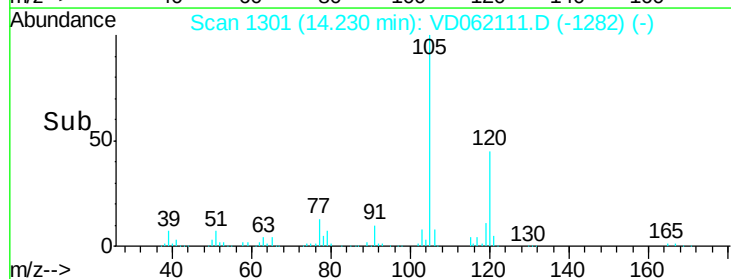
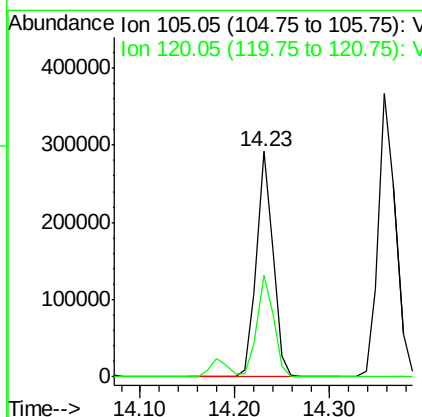
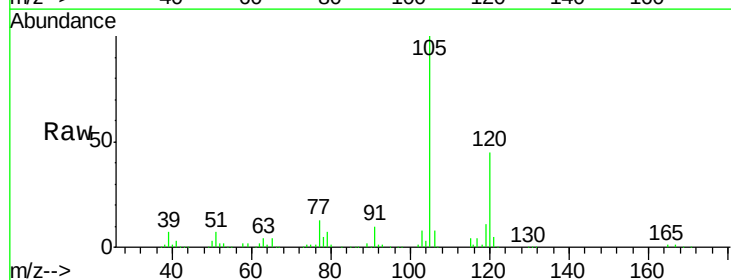
Instrument :
 MSVOA_D
 ClientSampleId :

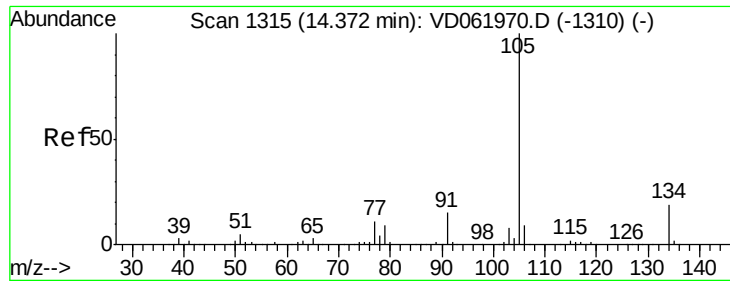
Tot Ion:119 Resp: 432966
 Ion Ratio Lower Upper
 119 100
 91 71.4 34.2 102.6
 134 23.9 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.481 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion:105 Resp: 359804
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.1 69.2

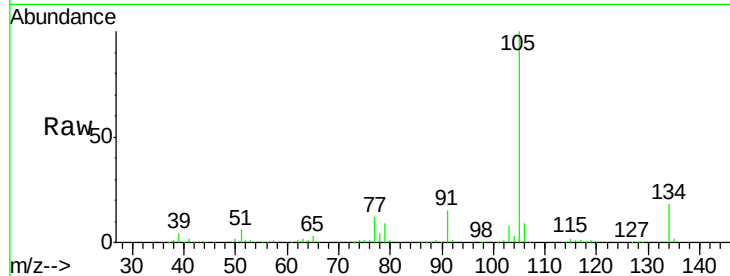




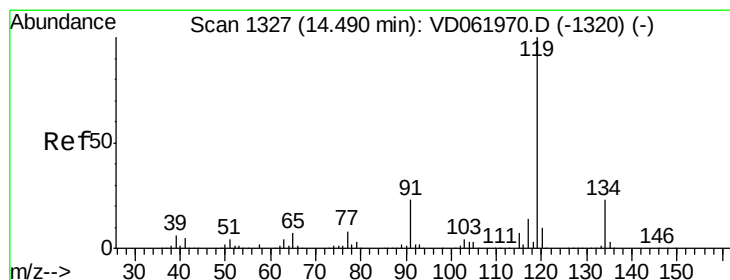
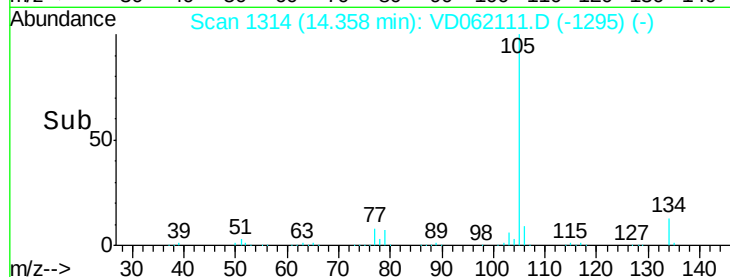
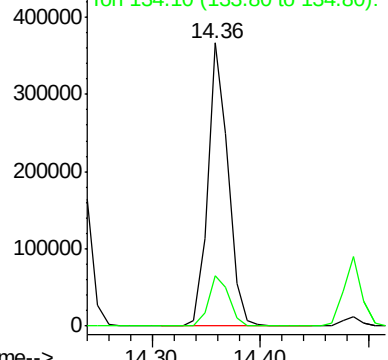
#85
 sec-Butylbenzene
 Concen: 20.576 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:105 Resp: 473836
 Ion Ratio Lower Upper
 105 100
 134 17.6 8.9 26.7

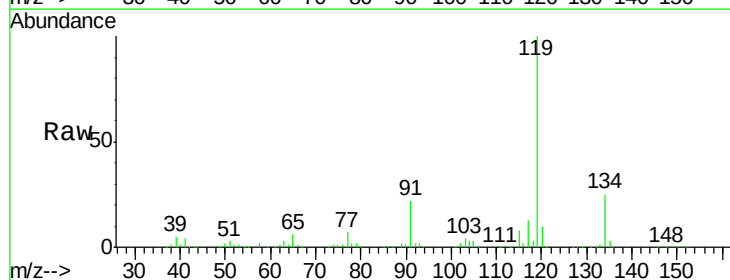


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

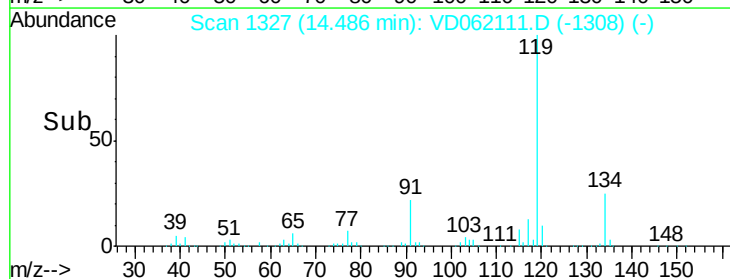
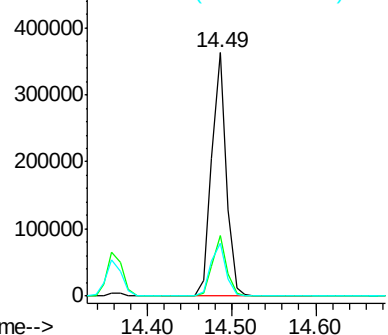


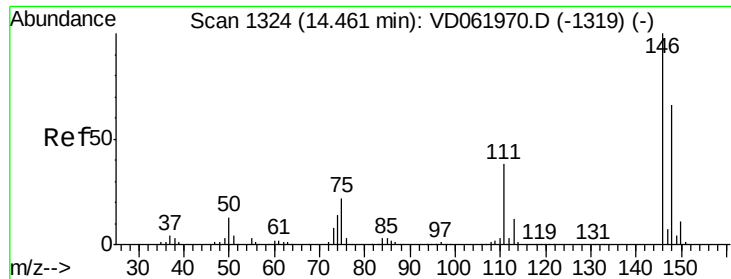
#86
 p-Isopropyltoluene
 Concen: 21.221 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion:119 Resp: 437369
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.8 38.3
 91 21.8 10.7 32.1



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

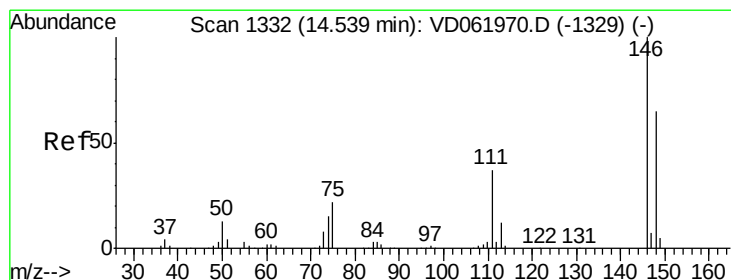
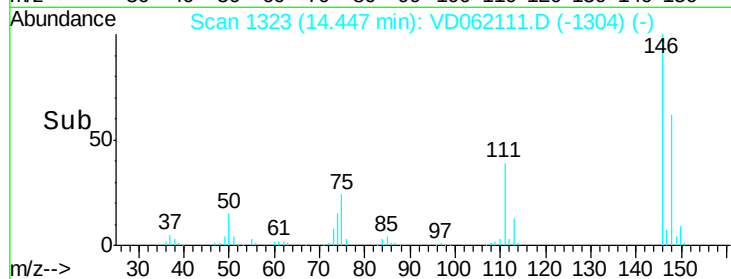
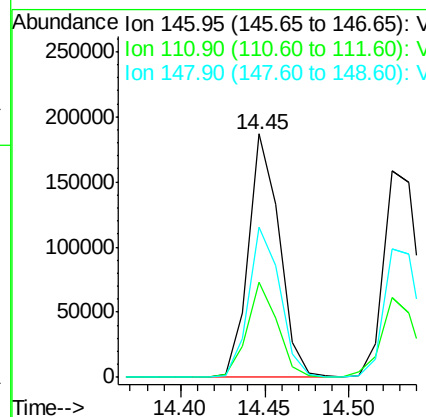
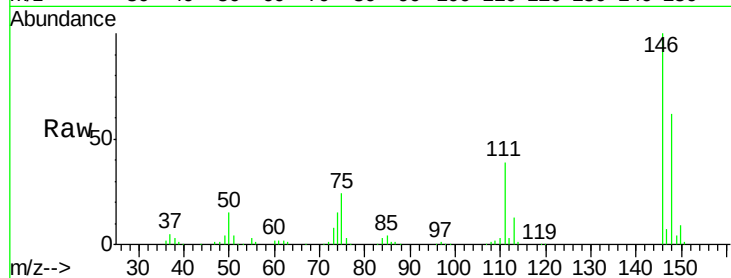




#87
 1,3-Dichlorobenzene
 Concen: 20.552 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

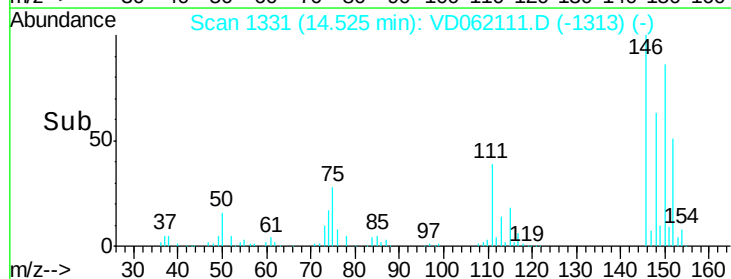
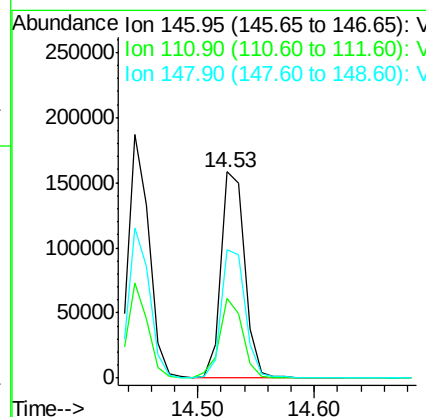
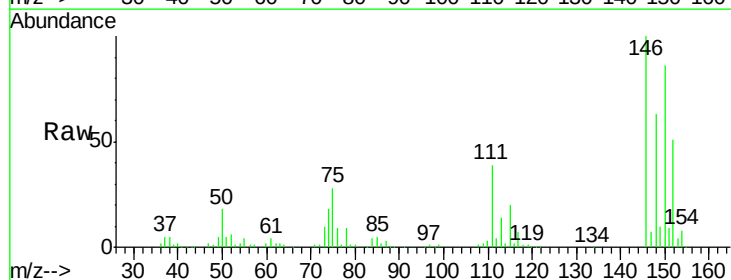
Instrument :
 MSVOA_D
 ClientSampled :

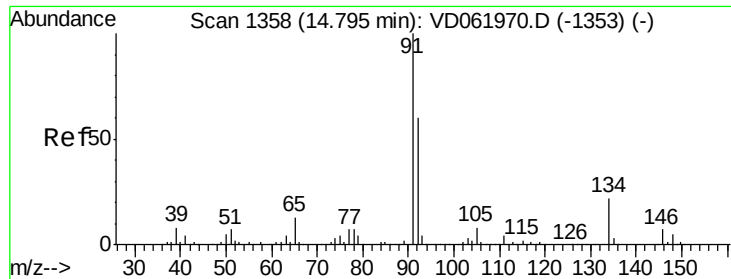
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	60.0
148	61.8	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.780 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.2	60.5
148	62.6	32.0	96.2





#89

n-Butylbenzene

Concen: 22.427 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD062111.D

Acq: 2 May 2019 15:05

Instrument :

MSVOA_D

ClientSampled :

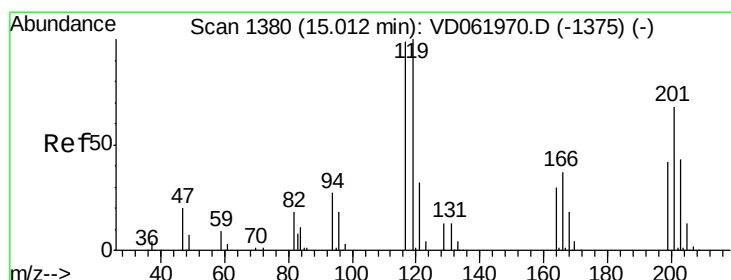
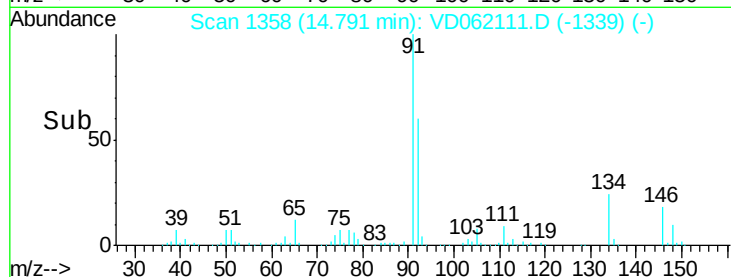
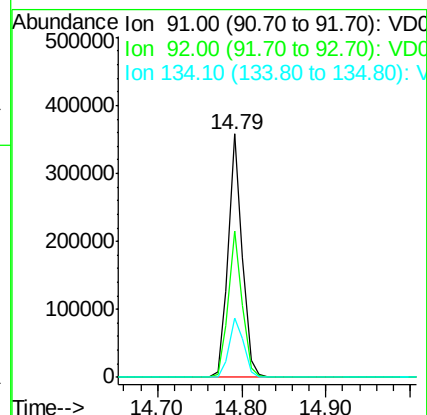
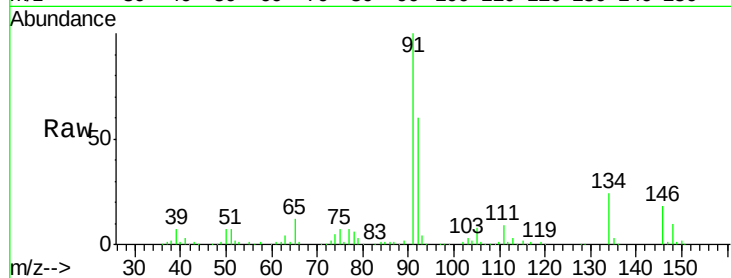
Tot Ion: 91 Resp: 414983

Ion Ratio Lower Upper

91 100

92 60.2 30.3 91.0

134 24.2 14.5 43.6



#90

Hexachloroethane

Concen: 20.781 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062111.D

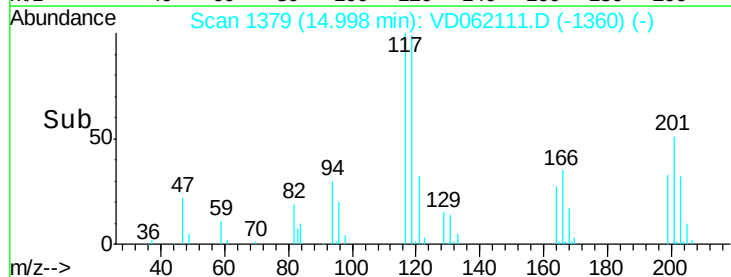
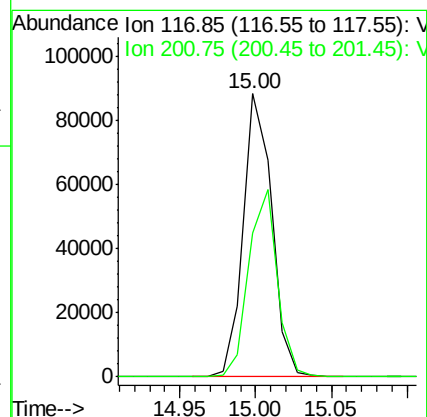
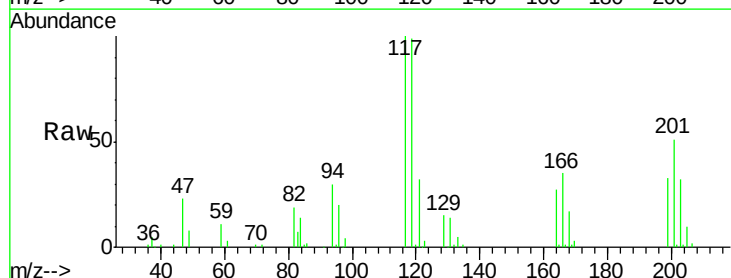
Acq: 2 May 2019 15:05

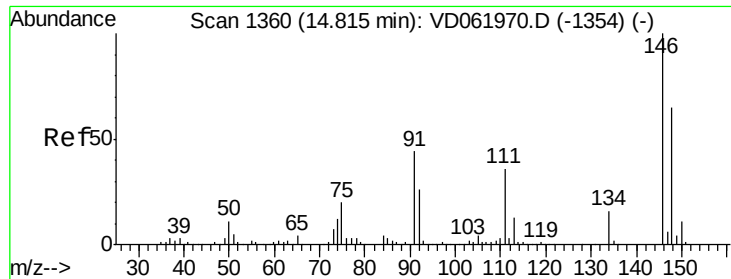
Tgt Ion: 117 Resp: 115814

Ion Ratio Lower Upper

117 100

201 51.0 30.2 90.6

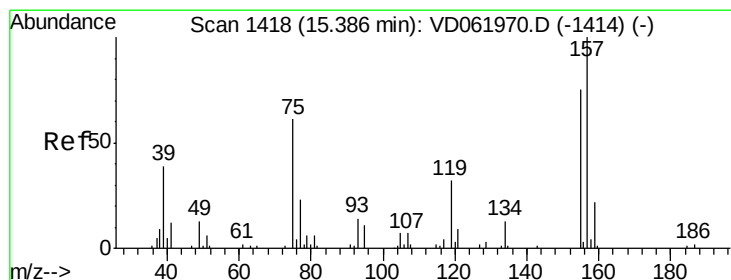
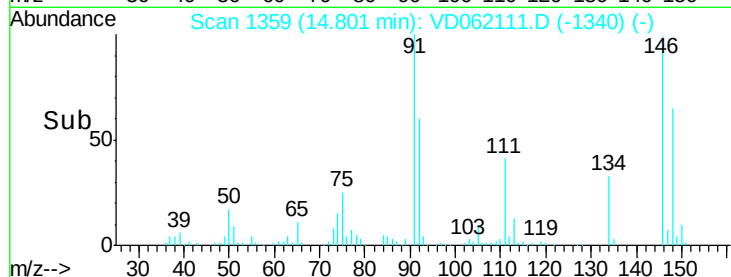
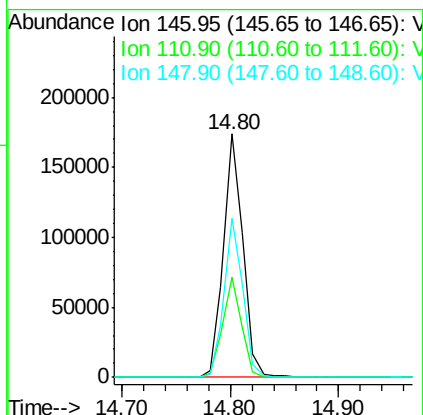
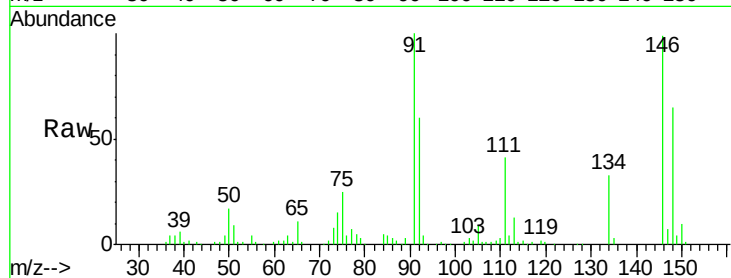




#91
 1,2-Dichlorobenzene
 Concen: 22.710 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

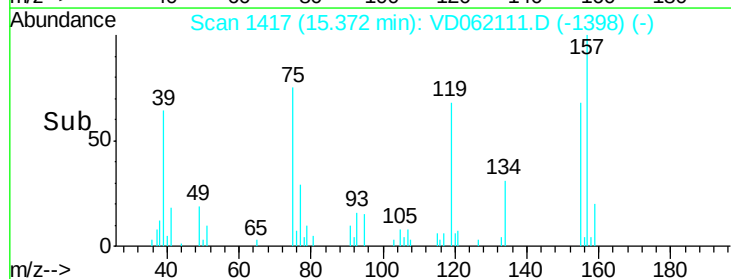
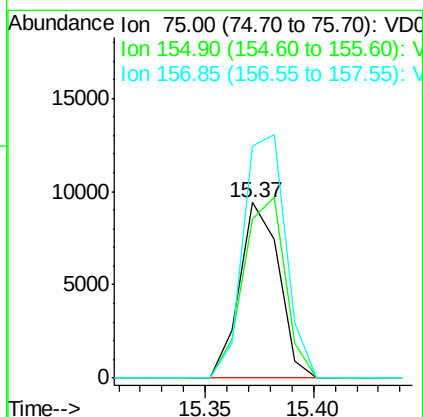
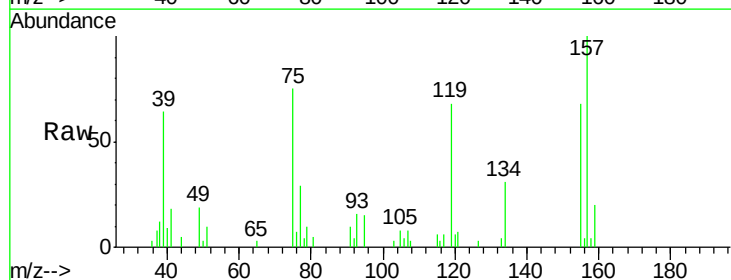
Instrument :
 MSVOA_D
 ClientSampleId :

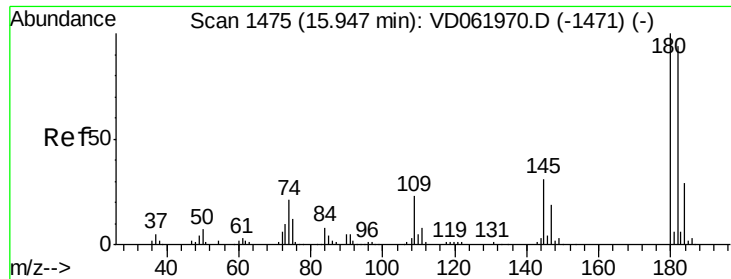
Tot Ion:146 Resp: 217143
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.0 59.9
 148 65.2 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.663 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion: 75 Resp: 12007
 Ion Ratio Lower Upper
 75 100
 155 90.6 55.3 165.8
 157 132.6 67.8 203.2

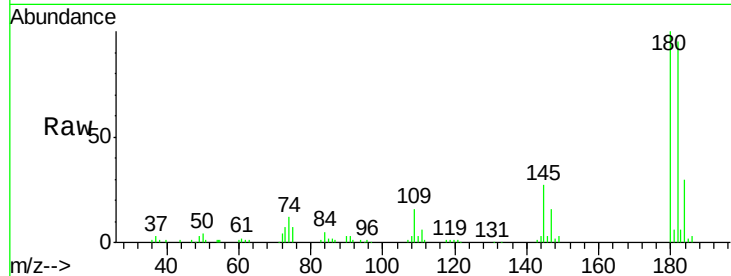




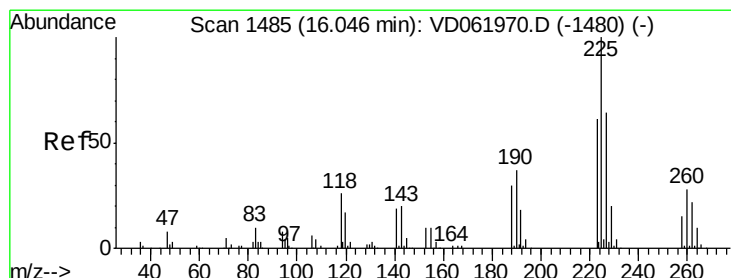
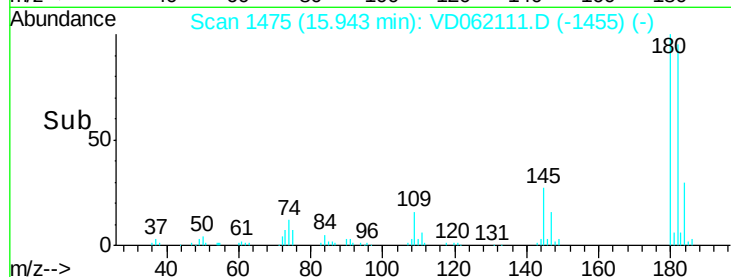
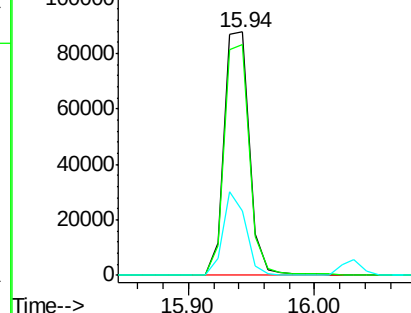
#93
 1,2,4-Trichlorobenzene
 Concen: 23.680 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 122165
 Ion Ratio Lower Upper
 180 100
 182 94.6 49.3 147.8
 145 26.5 16.2 48.6

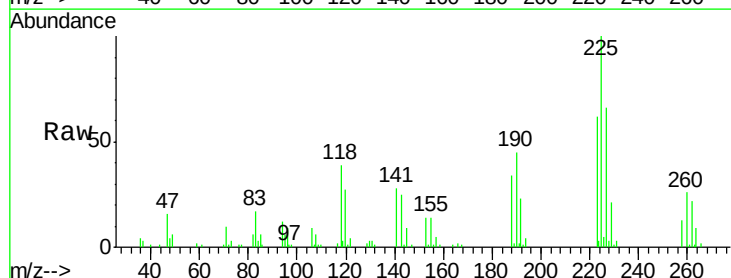


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

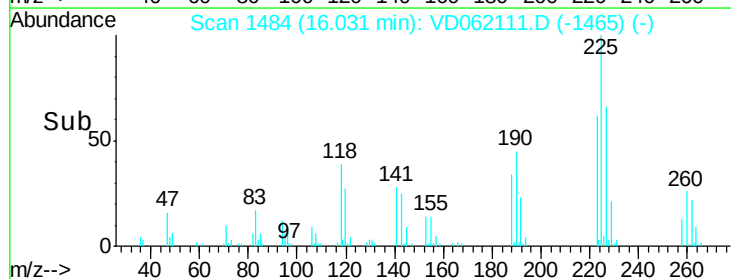
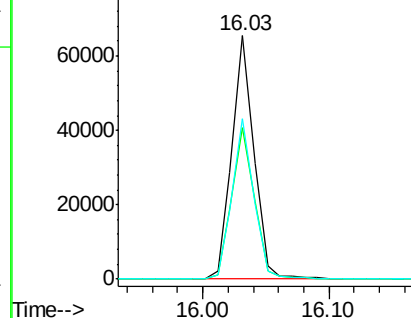


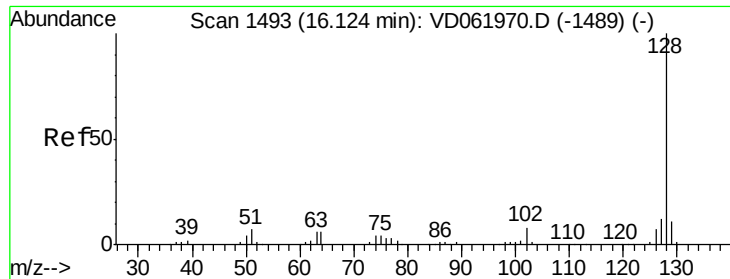
#94
 Hexachlorobutadiene
 Concen: 20.694 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062111.D
 Acq: 2 May 2019 15:05

Tgt Ion:225 Resp: 79006
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.6 92.0
 227 65.8 32.0 96.2



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

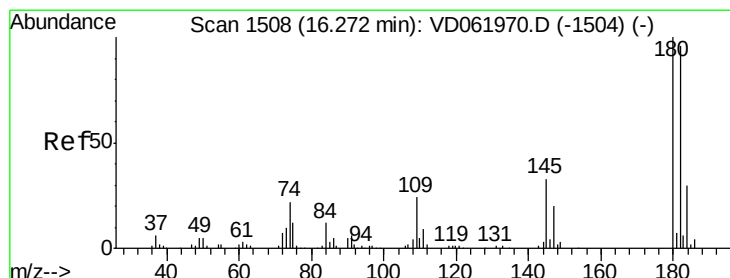
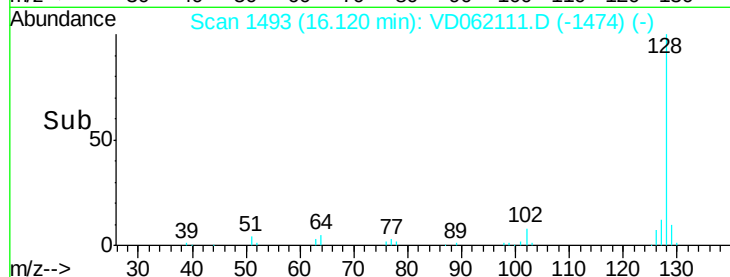
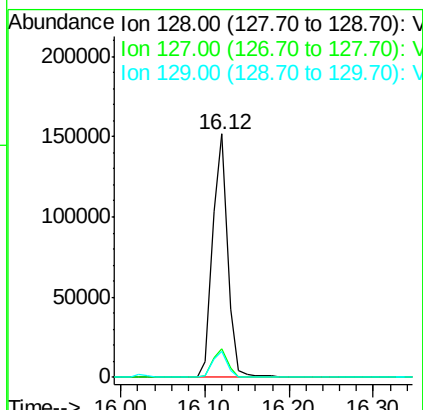
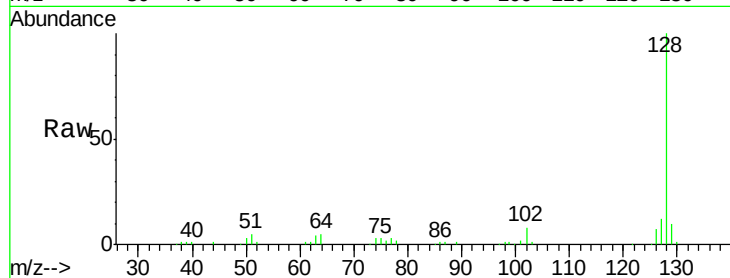




#95
Naphthalene
Concen: 22.549 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 187826
Ion Ratio Lower Upper
128 100
127 11.8 9.8 14.8
129 10.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 26.781 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD062111.D
Acq: 2 May 2019 15:05

Tgt Ion:180 Resp: 78391
Ion Ratio Lower Upper
180 100
182 97.3 47.0 141.0
145 31.1 17.0 51.0

