

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

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBSD02

Quant Time: May 03 01:09:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	509395	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	830262	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	659423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	343385	50.00	ug/l	0.00

System Monitoring Compounds

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

Target Compounds

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

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

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBSD02

Quant Time: May 03 01:09:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

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

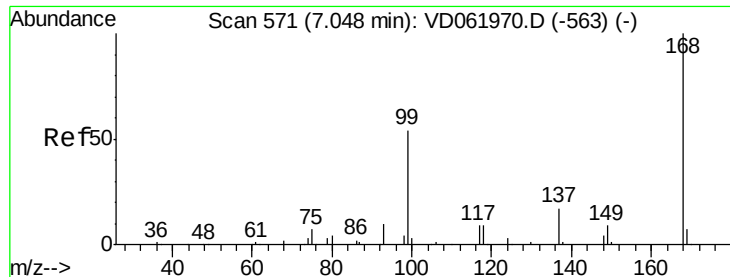
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050219\
Data File : VD062113.D
Acq On : 2 May 2019 16:03
Operator : FY/SY
Sample : VD0502SBSD02
Misc : 5.00g/5mL/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0502SBSD02

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

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

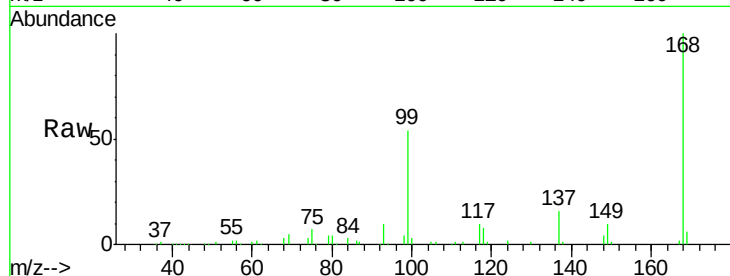
VD0502SBSD02

Tot Ion:168 Resp: 509395

Ion Ratio Lower Upper

168 100

99 53.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

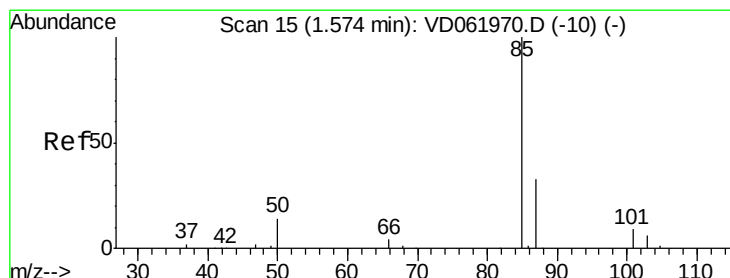
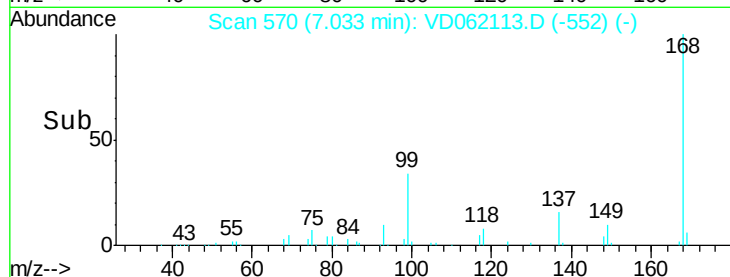
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.835 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.02 min

Lab File: VD062113.D

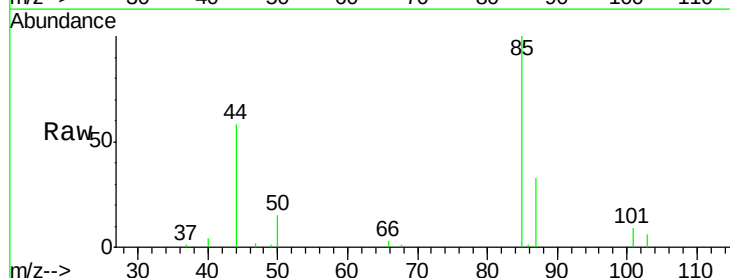
Acq: 2 May 2019 16:03

Tgt Ion: 85 Resp: 76574

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

40000

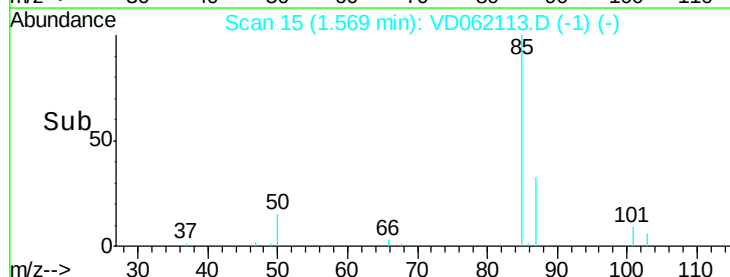
30000

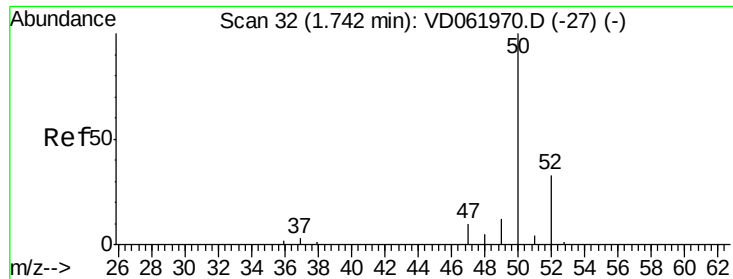
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.663 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

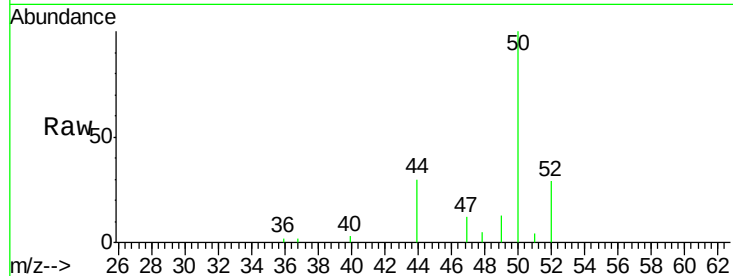
VD0502SBSD02

Tot Ion: 50 Resp: 68285

Ion Ratio Lower Upper

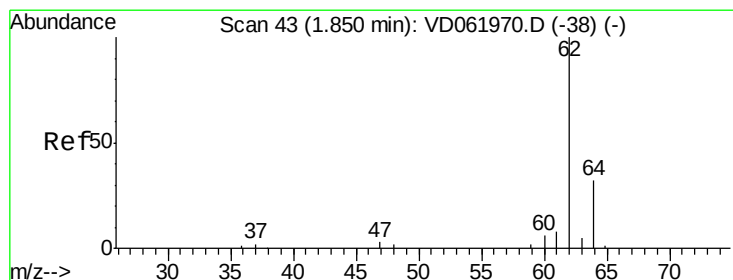
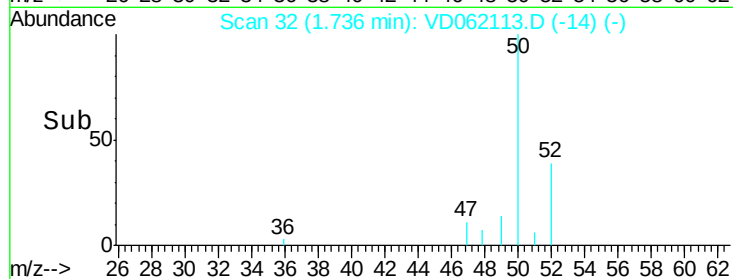
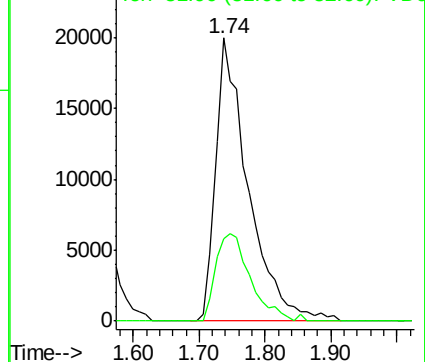
50 100

52 29.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.870 ug/l

RT: 1.83 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD062113.D

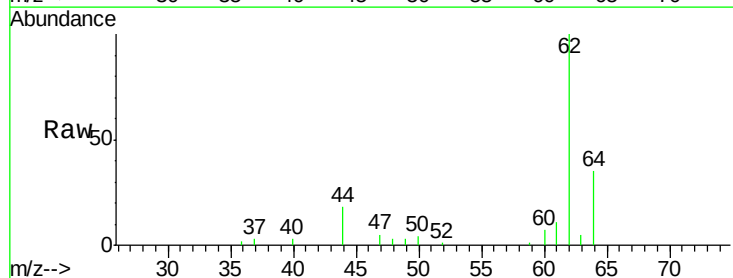
Acq: 2 May 2019 16:03

Tgt Ion: 62 Resp: 62616

Ion Ratio Lower Upper

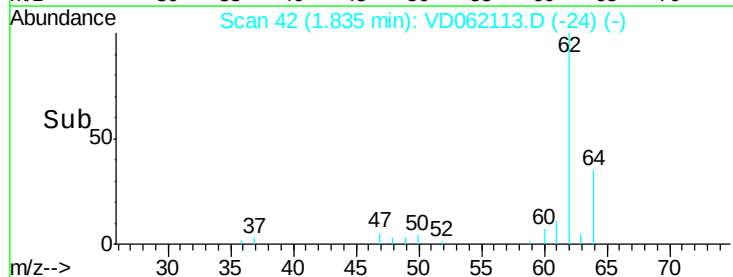
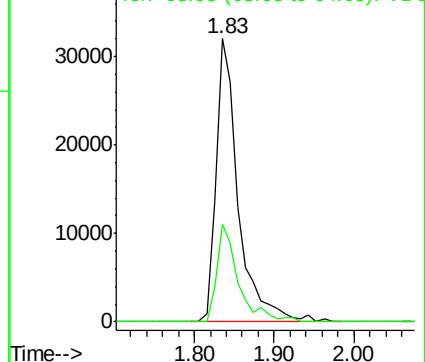
62 100

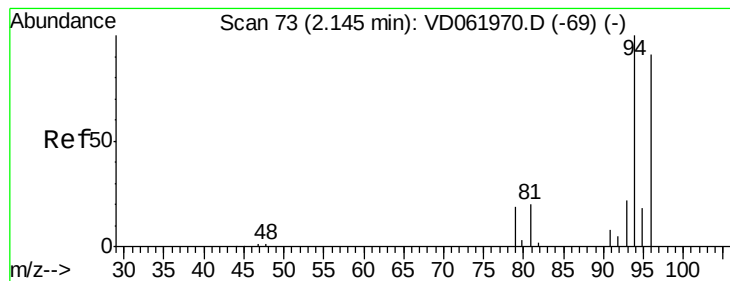
64 34.7 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.170 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBSD02

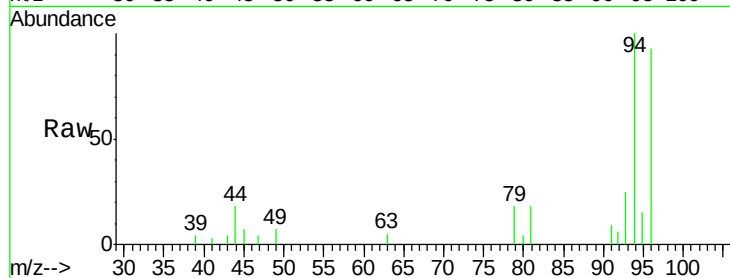
Tot Ion: 94 Resp: 17265

Ion Ratio Lower Upper

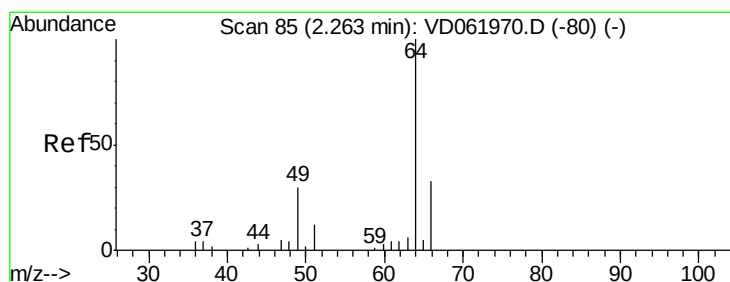
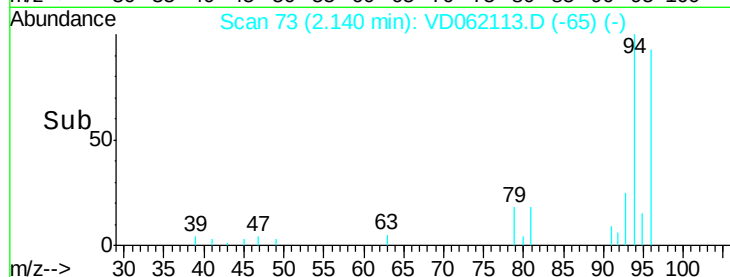
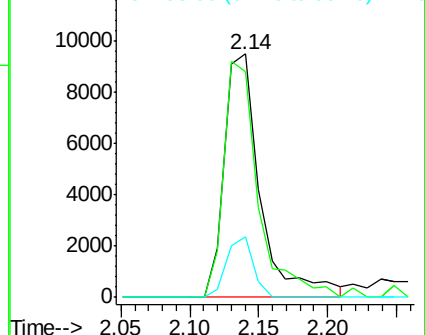
94 100

96 92.8 76.6 115.0

93 24.8 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.393 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.04 min

Lab File: VD062113.D

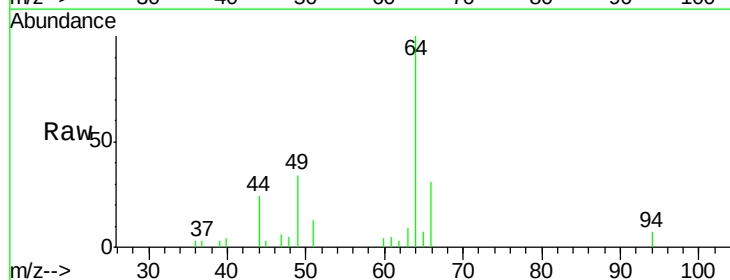
Acq: 2 May 2019 16:03

Tgt Ion: 64 Resp: 23297

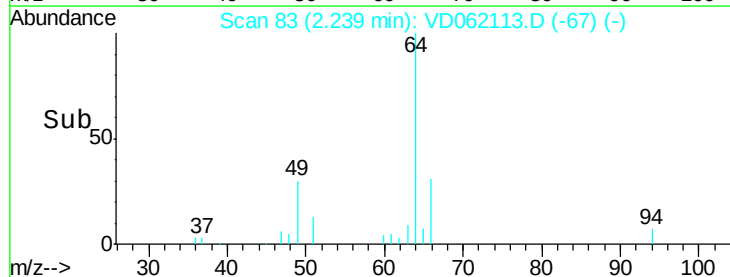
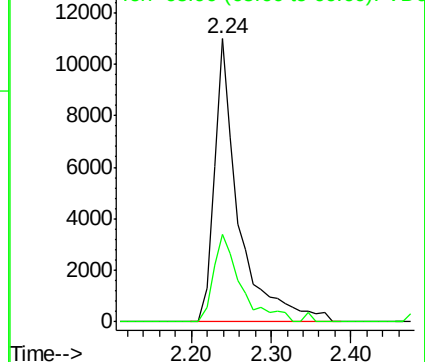
Ion Ratio Lower Upper

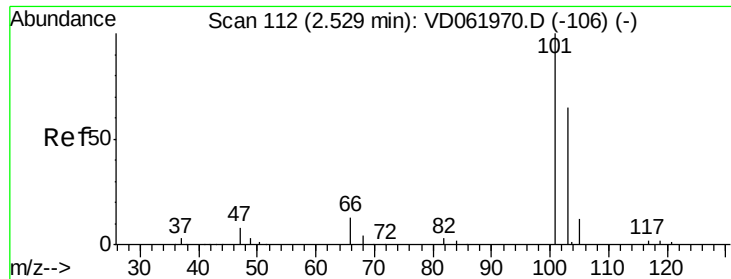
64 100

66 30.9 25.6 38.4



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



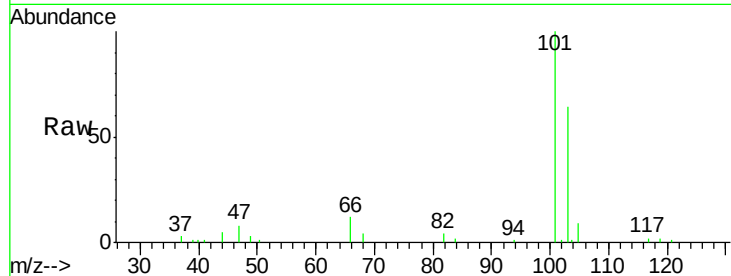


#7

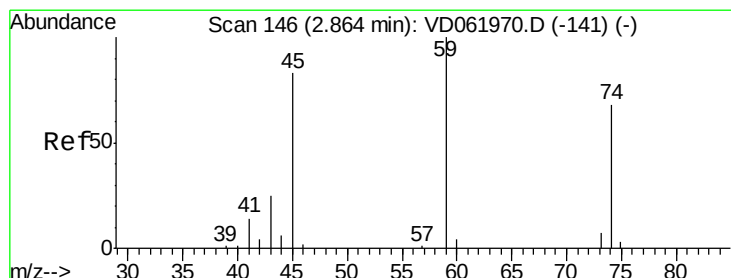
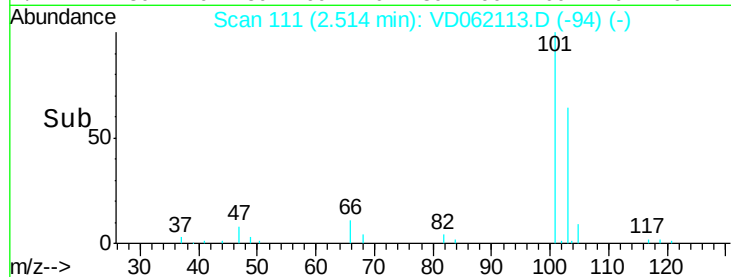
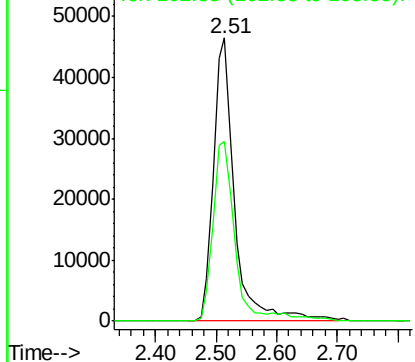
Trichlorofluoromethane
 Concen: 21.264 ug/l
 RT: 2.51 min Scan# 111
 Delta R.T. -0.03 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBSD02

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



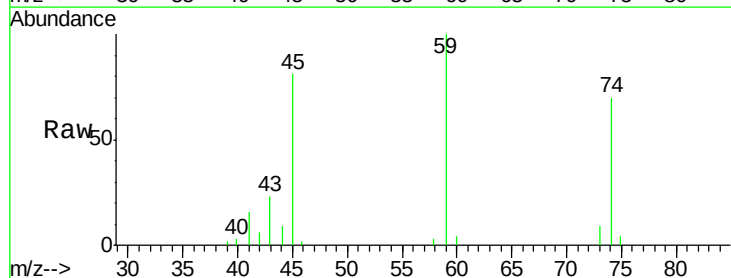
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



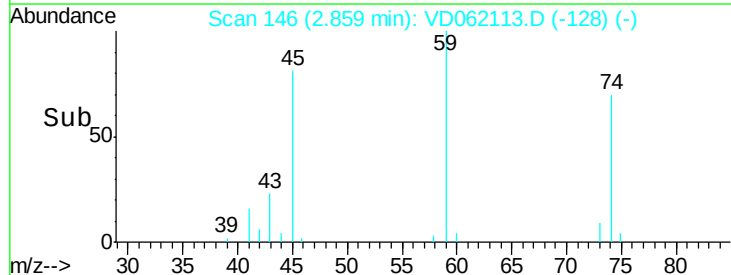
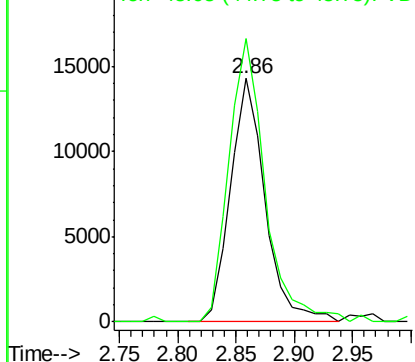
#8

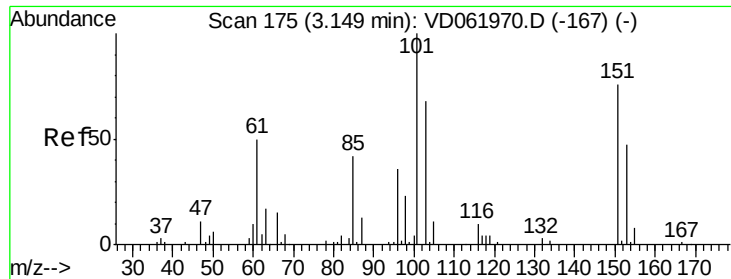
Diethyl Ether
 Concen: 20.704 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.02 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

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



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.446 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS02

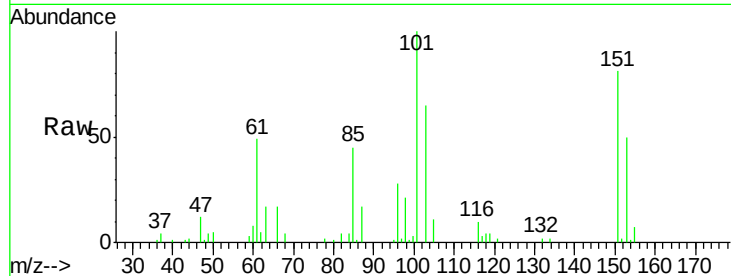
Tot Ion:101 Resp: 104665

Ion Ratio Lower Upper

101 100

85 45.3 32.4 48.6

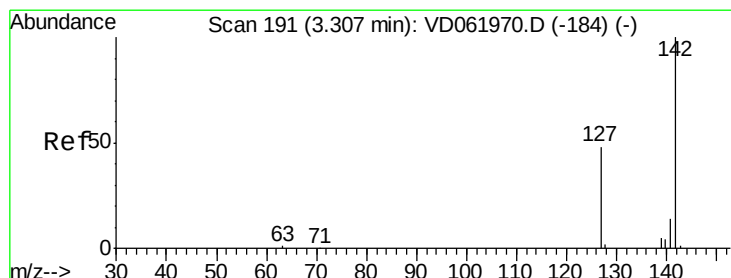
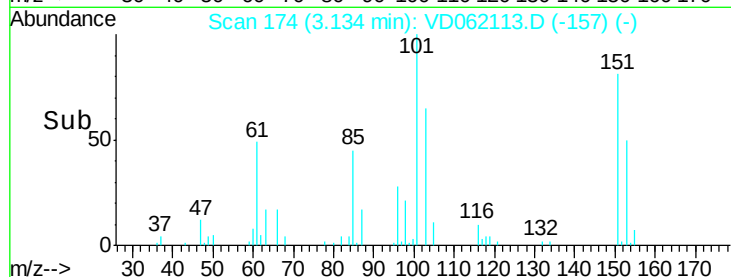
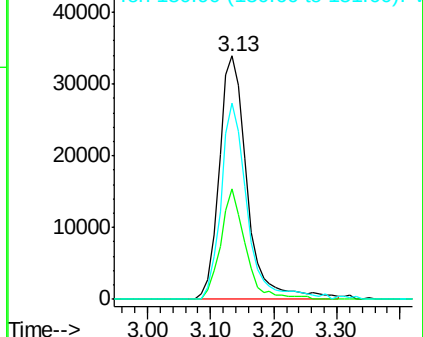
151 80.7 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.430 ug/l

RT: 3.29 min Scan# 190

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

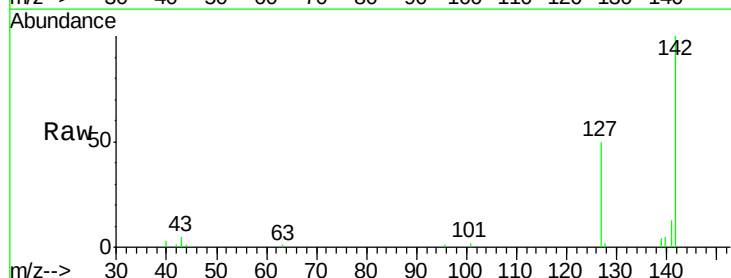
Tgt Ion:142 Resp: 125123

Ion Ratio Lower Upper

142 100

127 50.3 38.8 58.2

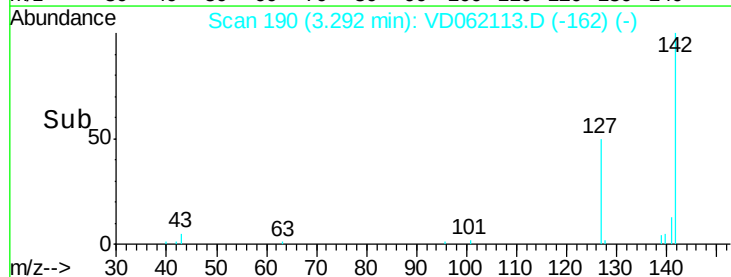
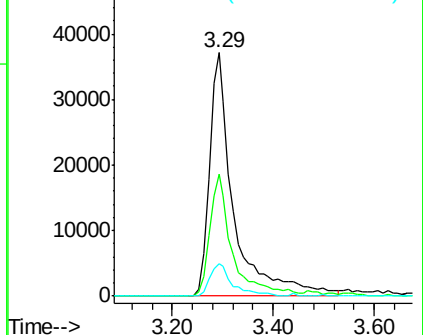
141 13.1 11.4 17.0

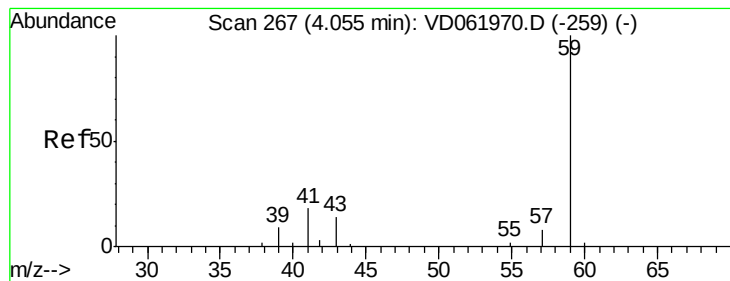


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



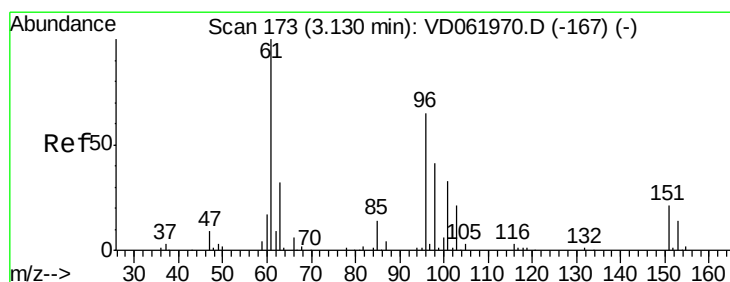
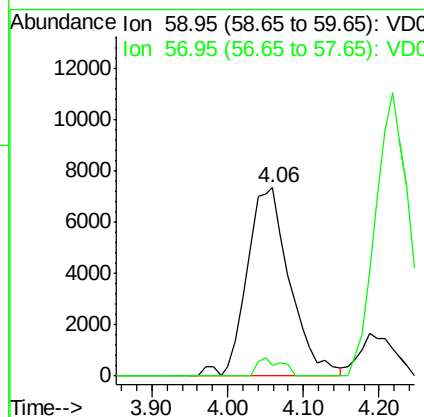
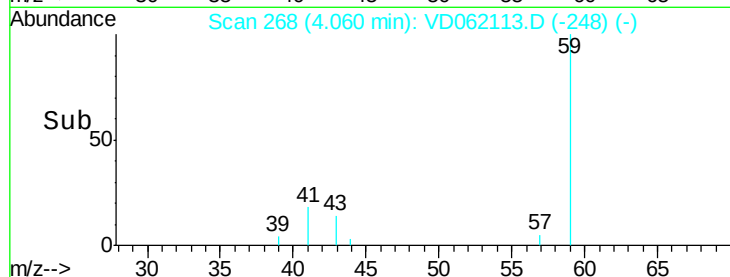
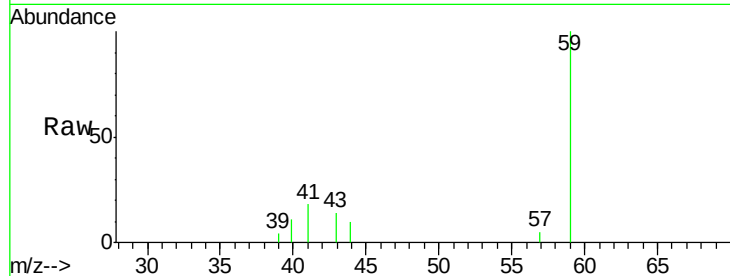


#11

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

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBSD02

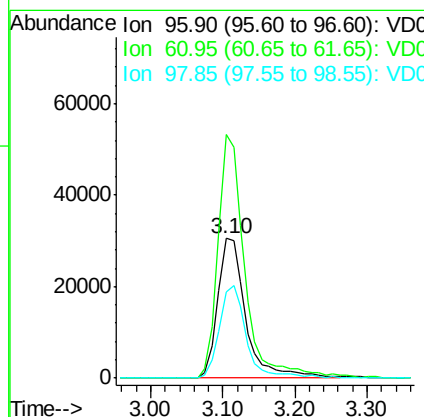
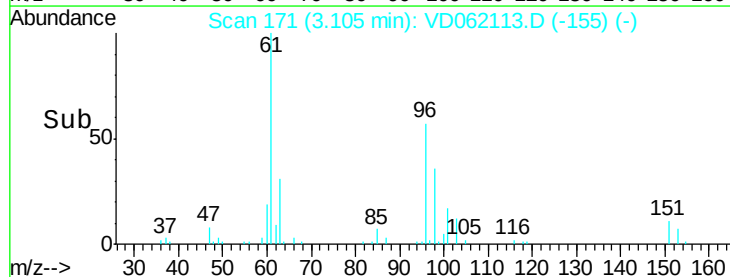
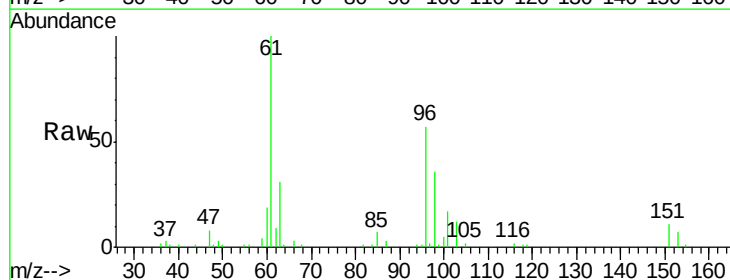
Tot Ion: 59 Resp: 29005
 Ion Ratio Lower Upper
 59 100
 57 5.4 6.9 10.3#

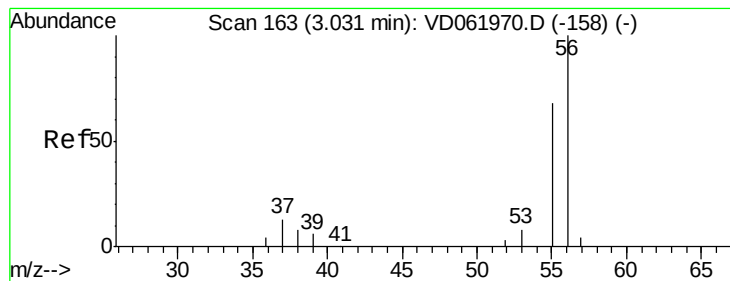


#12

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

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





#13

Acrolein

Concen: 85.209 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

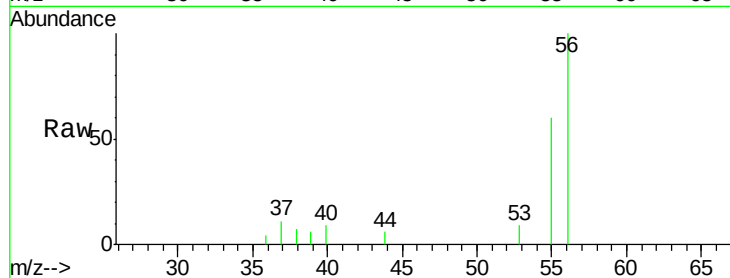
VD0502SBSD02

Tot Ion: 56 Resp: 19915

Ion Ratio Lower Upper

56 100

55 59.8 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.02

8000

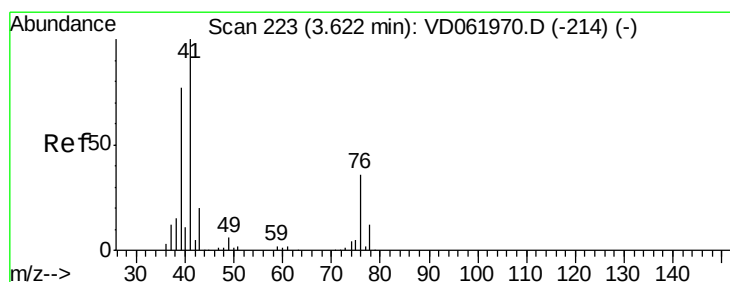
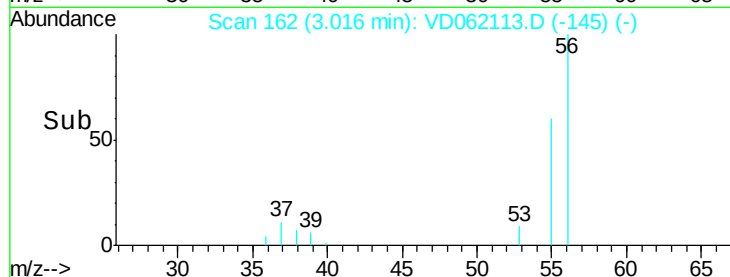
6000

4000

2000

0

Time--> 2.90 3.00 3.10



#14

Allyl chloride

Concen: 23.225 ug/l

RT: 3.60 min Scan# 221

Delta R.T. -0.04 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

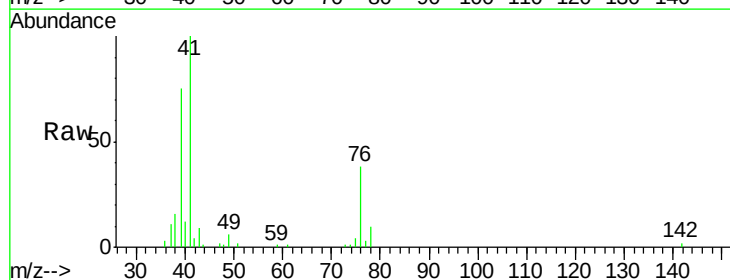
Tgt Ion: 41 Resp: 131679

Ion Ratio Lower Upper

41 100

39 75.4 60.5 90.7

76 37.6 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.60

60000

50000

40000

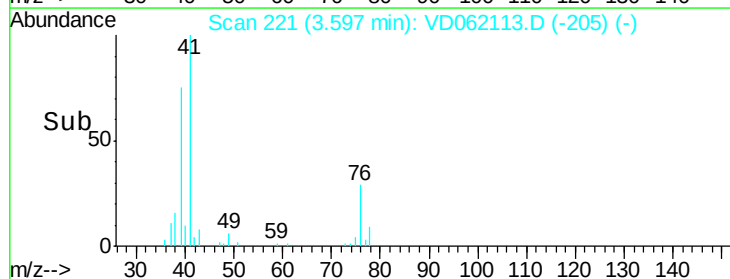
30000

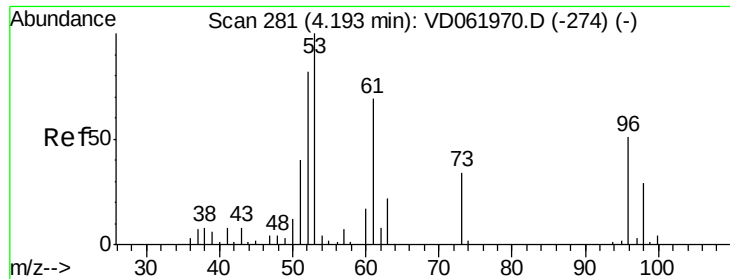
20000

10000

0

Time--> 3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 117.206 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBSD02

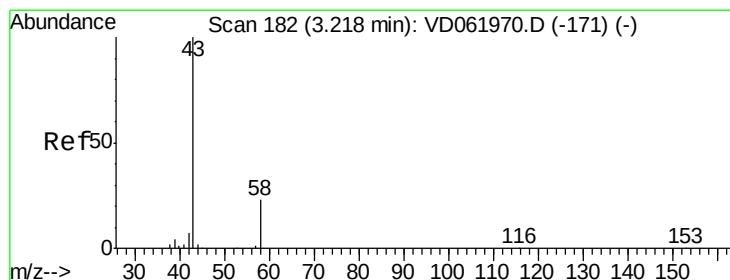
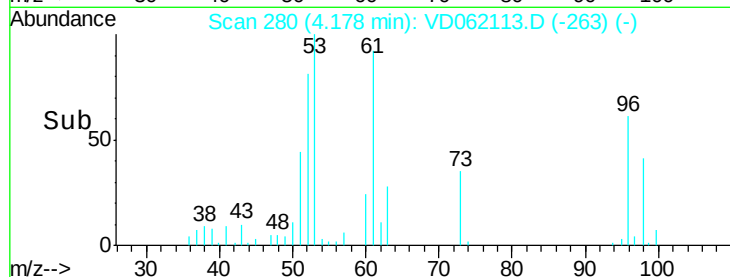
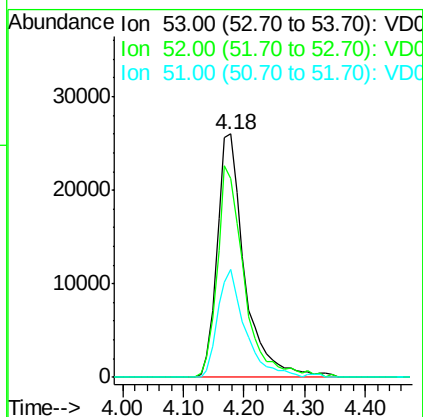
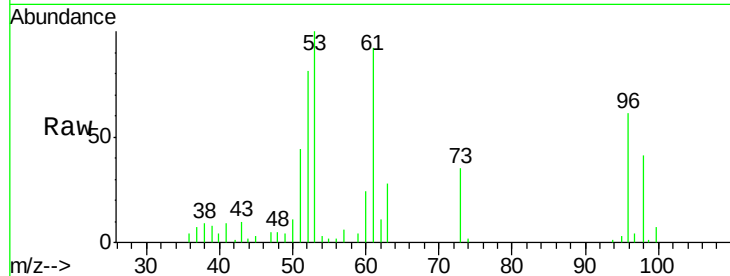
Tot Ion: 53 Resp: 81753

Ion Ratio Lower Upper

53 100

52 81.5 65.0 97.4

51 44.4 32.6 48.8



#16

Acetone

Concen: 130.686 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062113.D

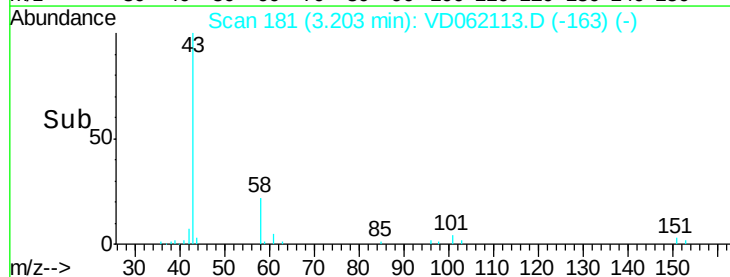
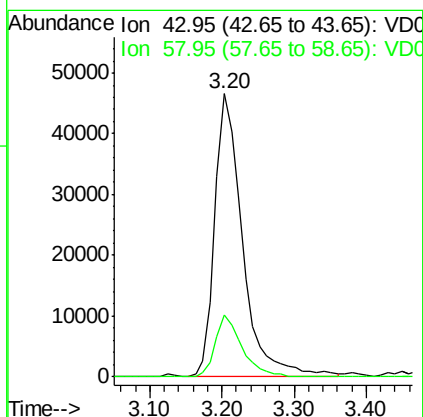
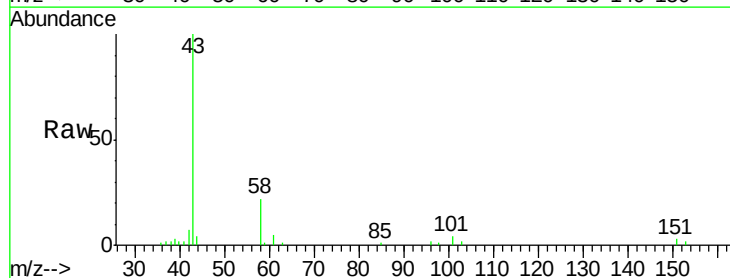
Acq: 2 May 2019 16:03

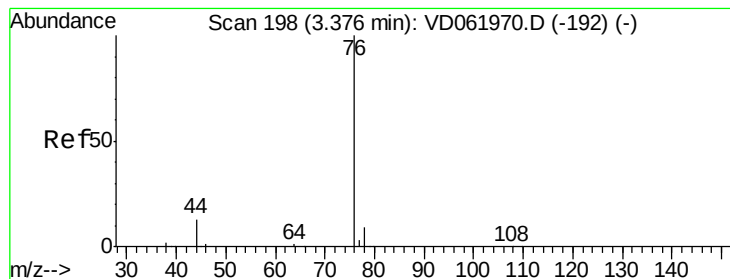
Tgt Ion: 43 Resp: 124404

Ion Ratio Lower Upper

43 100

58 21.8 19.9 29.9





#17

Carbon Disulfide

Concen: 19.215 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

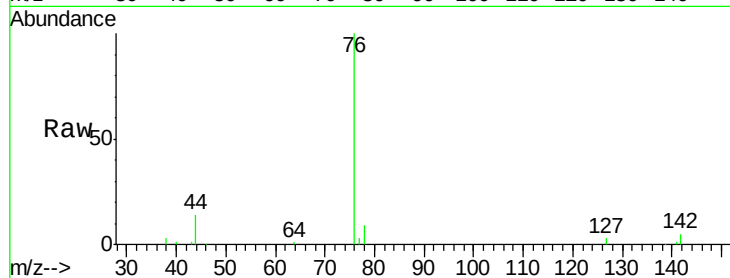
VD0502SBS02

Tot Ion: 76 Resp: 230550

Ion Ratio Lower Upper

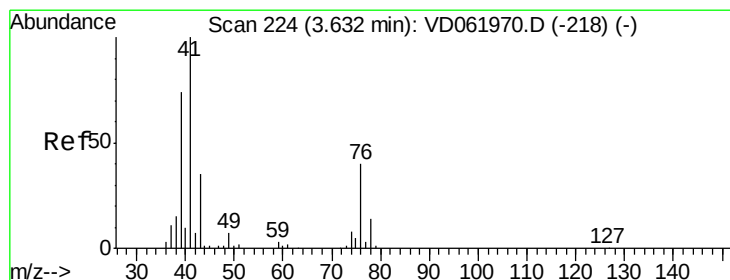
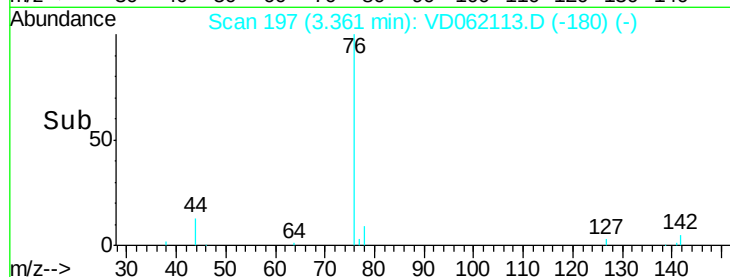
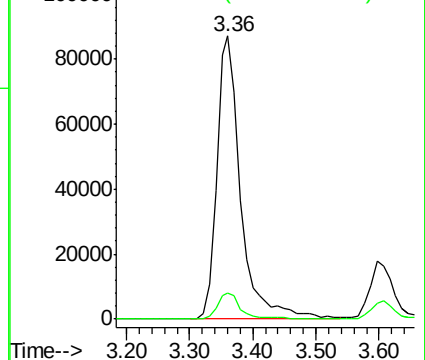
76 100

78 9.3 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 27.057 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.02 min

Lab File: VD062113.D

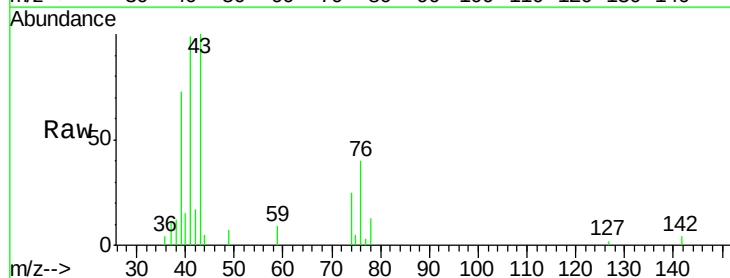
Acq: 2 May 2019 16:03

Tgt Ion: 43 Resp: 48425

Ion Ratio Lower Upper

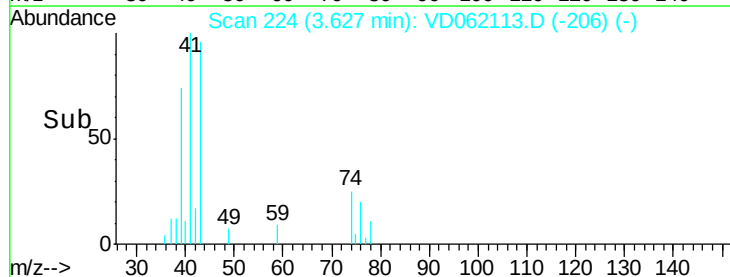
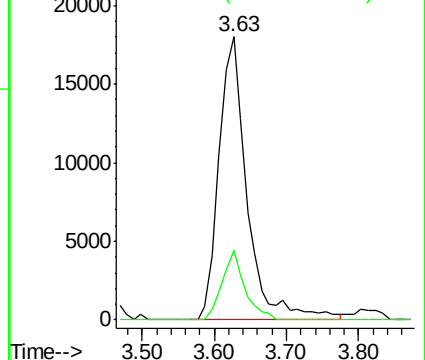
43 100

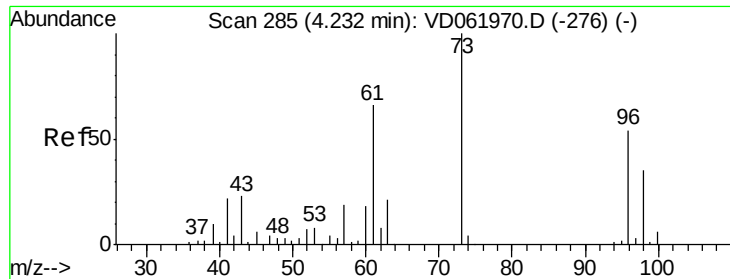
74 24.5 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

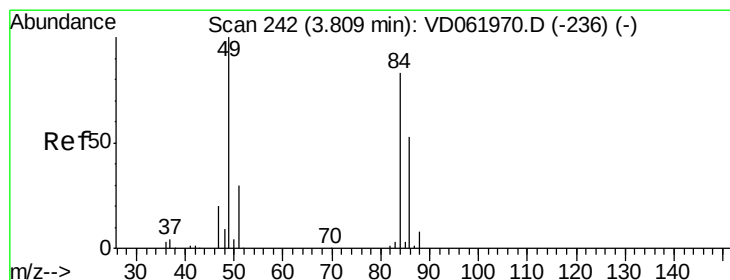
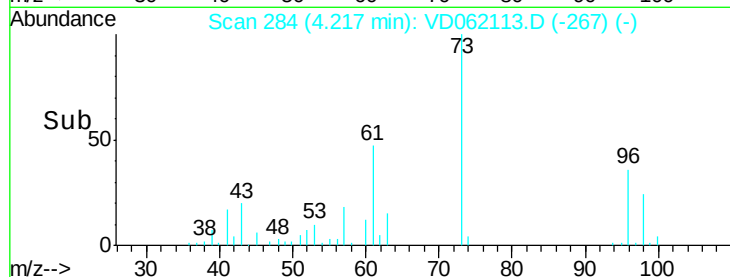
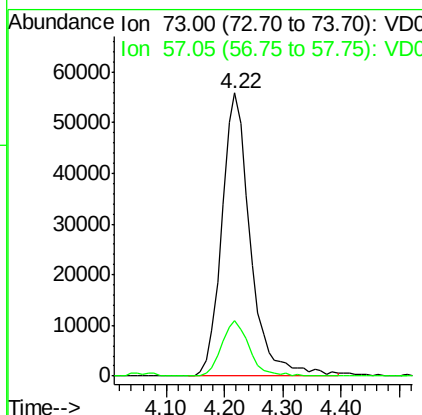
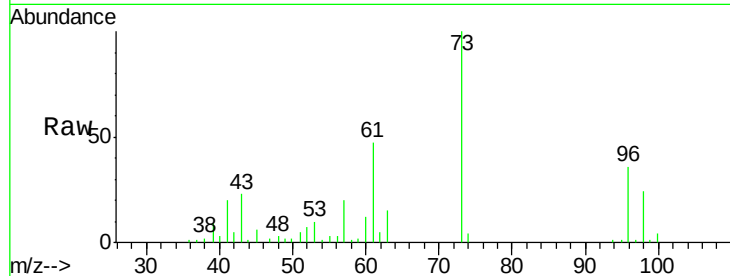




#19
Methyl tert-butyl Ether
Concen: 23.102 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

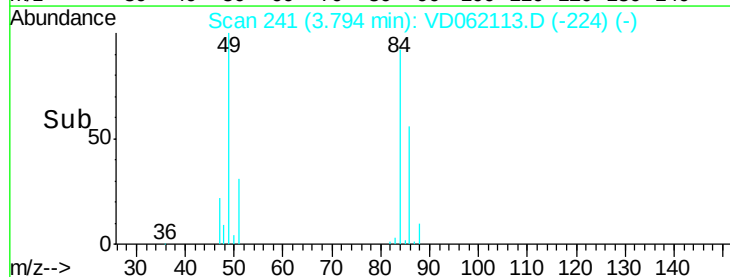
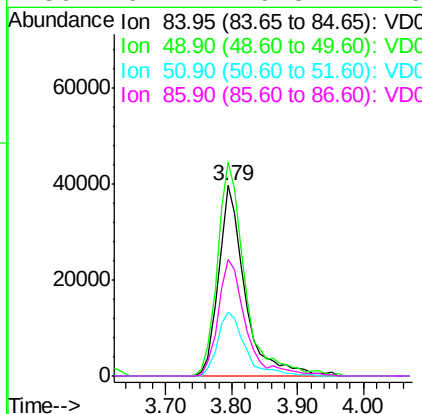
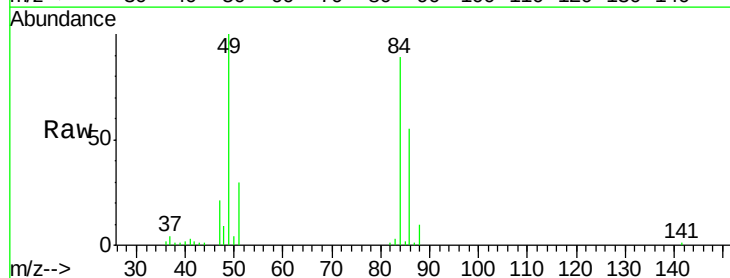
Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS02

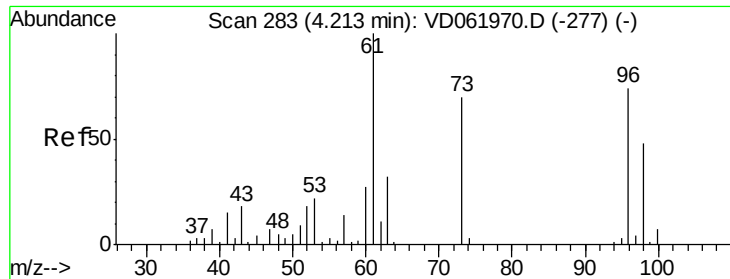
Tot Ion: 73 Resp: 190321
Ion Ratio Lower Upper
73 100
57 19.8 16.3 24.5



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

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





#21

trans-1,2-Dichloroethene

Concen: 21.162 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBSD02

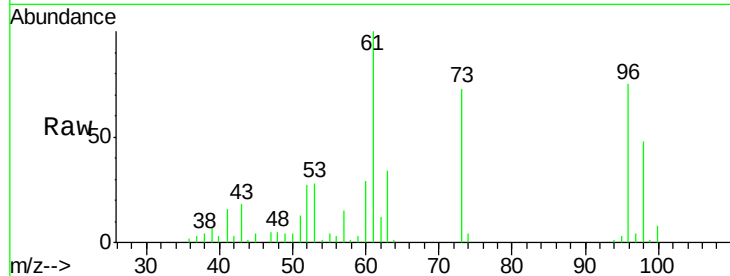
Tot Ion: 96 Resp: 100801

Ion Ratio Lower Upper

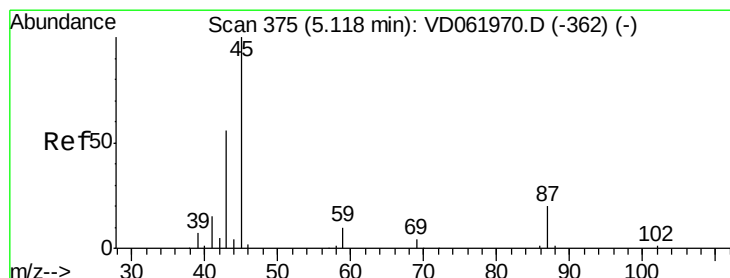
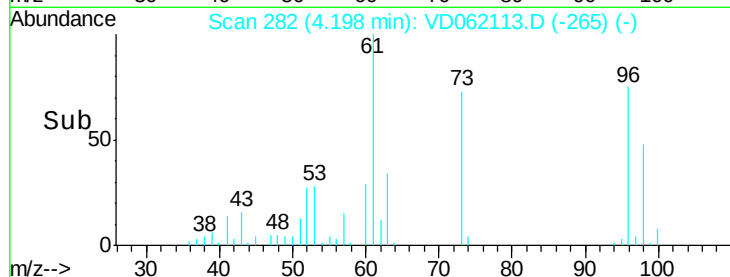
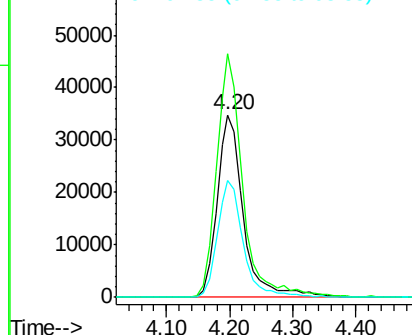
96 100

61 133.3 104.4 156.6

98 63.9 51.8 77.8



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



#22

Diisopropyl ether

Concen: 21.885 ug/l

RT: 5.09 min Scan# 373

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Tgt Ion: 45 Resp: 289690

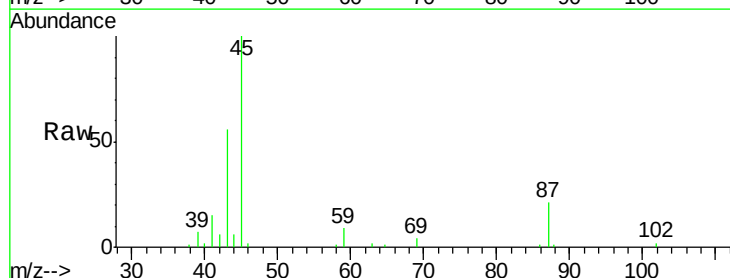
Ion Ratio Lower Upper

45 100

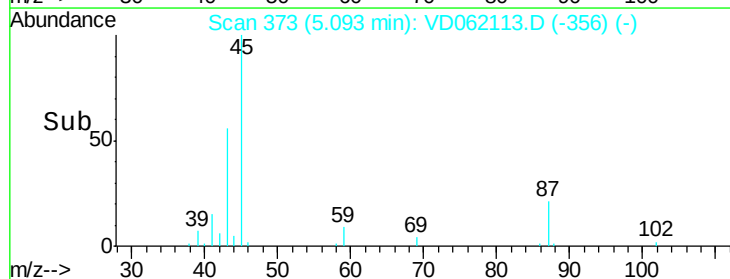
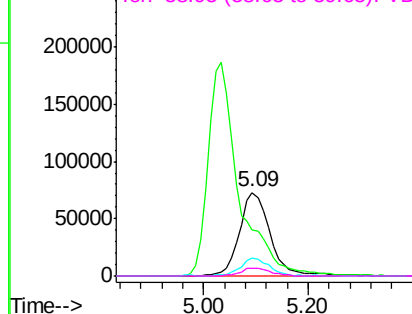
43 55.8 46.2 69.2

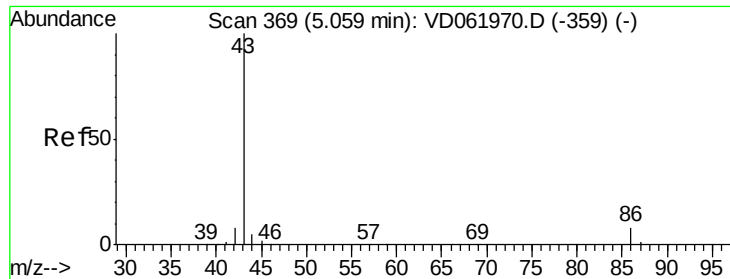
87 20.7 15.9 23.9

59 9.5 7.9 11.9



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





#23

Vinyl Acetate

Concen: 109.818 ug/l

RT: 5.03 min Scan# 367

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

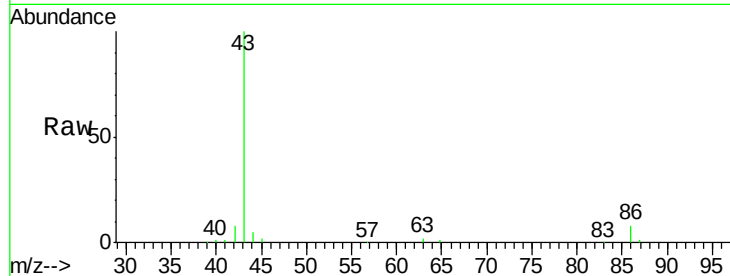
VD0502SBSD02

Tot Ion: 43 Resp: 757029

Ion Ratio Lower Upper

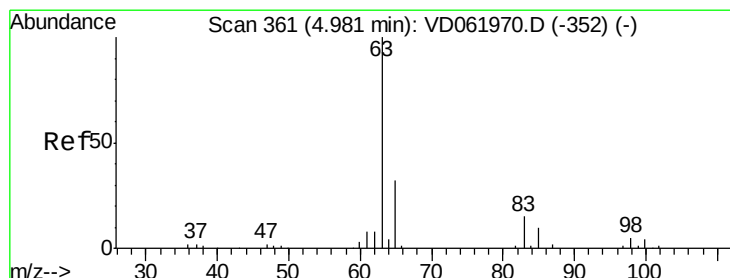
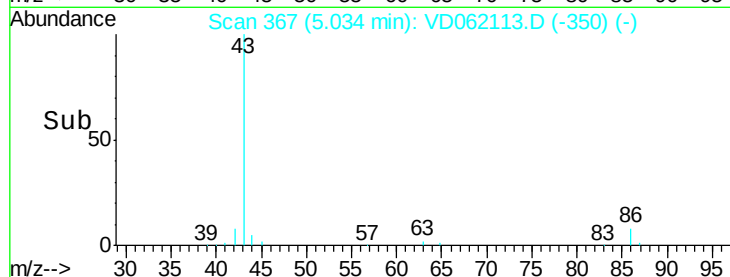
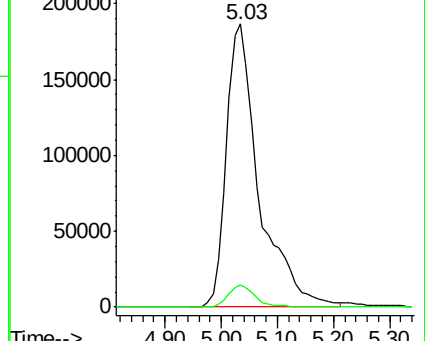
43 100

86 7.9 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.910 ug/l

RT: 4.96 min Scan# 359

Delta R.T. -0.04 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

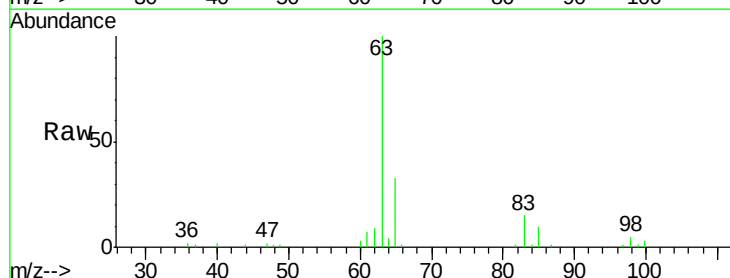
Tgt Ion: 63 Resp: 167297

Ion Ratio Lower Upper

63 100

98 4.5 2.8 8.4

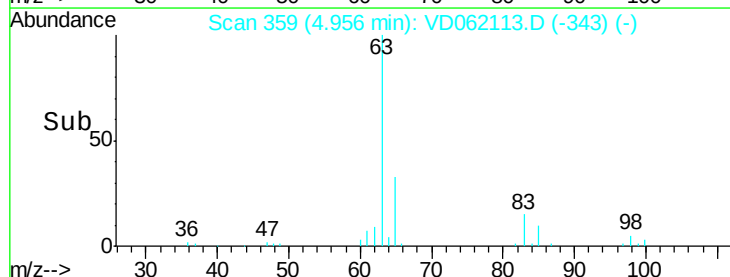
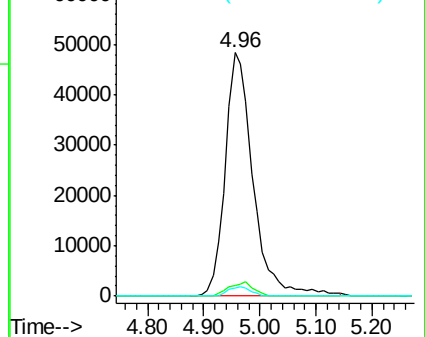
100 3.3 1.8 5.5

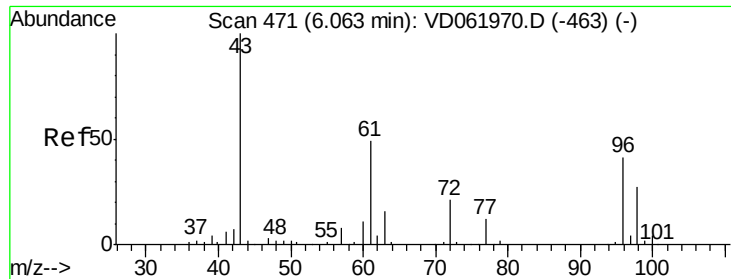


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

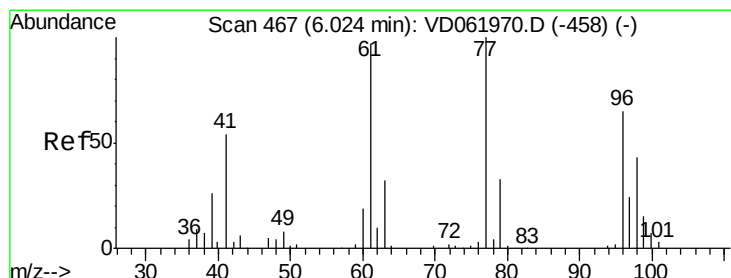
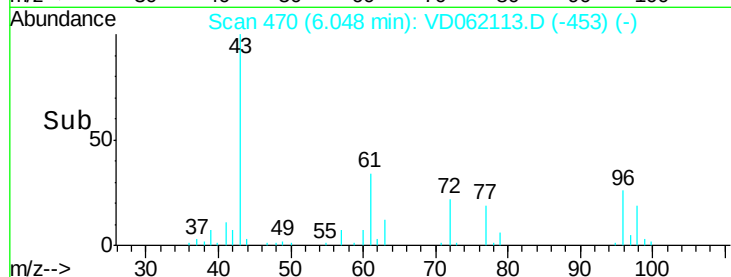
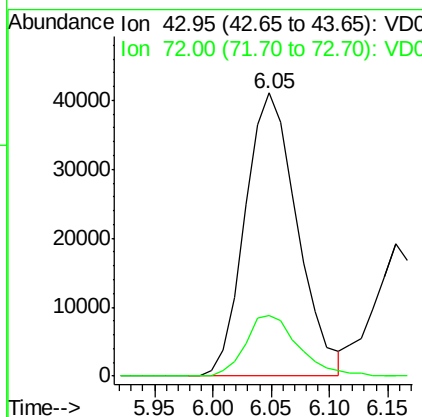
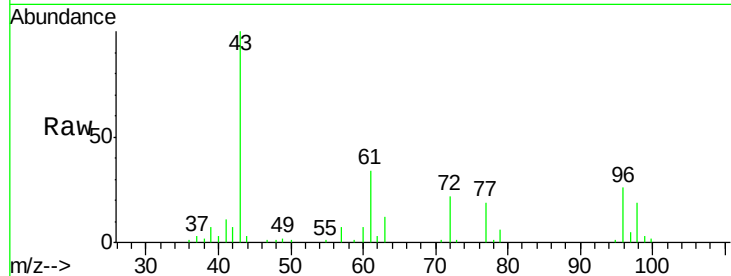




#25
2-Butanone
Concen: 110.132 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

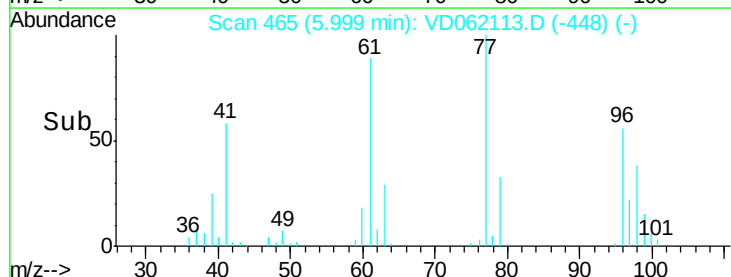
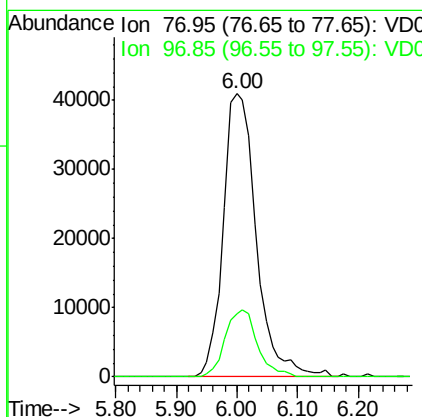
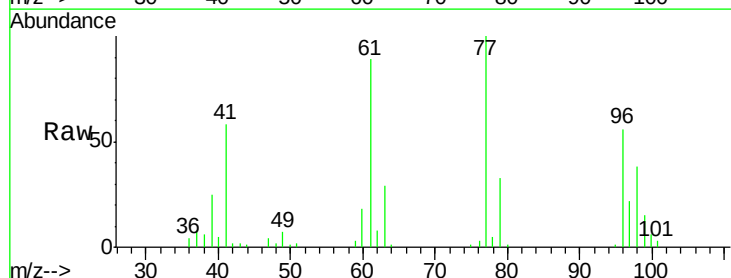
Instrument :
MSVOA_D
ClientSampleId :
VD0502SBSD02

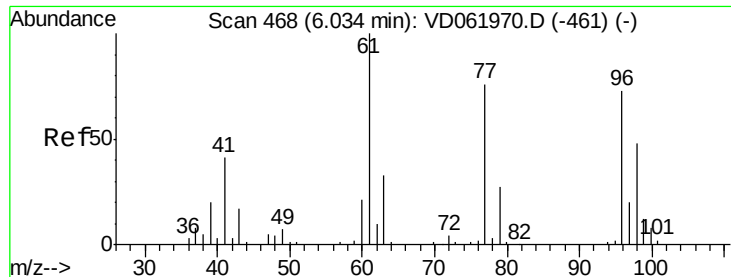
Tot Ion: 43 Resp: 127109
Ion Ratio Lower Upper
43 100
72 21.6 16.2 24.4



#26
2,2-Dichloropropane
Concen: 22.194 ug/l
RT: 6.00 min Scan# 465
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion: 77 Resp: 154911
Ion Ratio Lower Upper
77 100
97 22.2 11.9 35.9



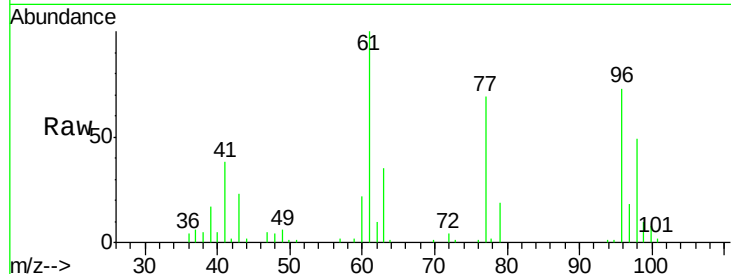


#27

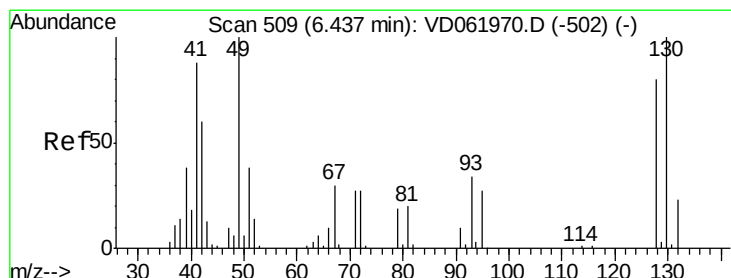
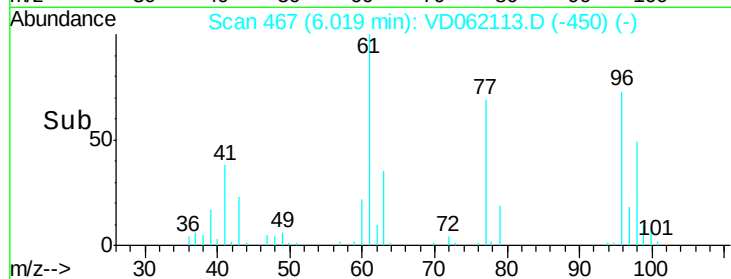
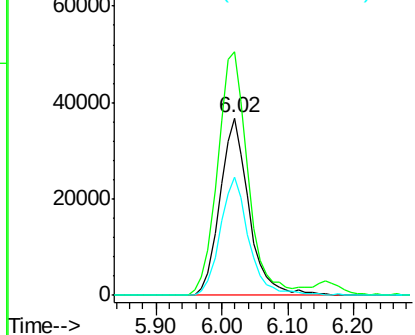
cis-1,2-Dichloroethene
Concen: 20.802 ug/l
RT: 6.02 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0502SBSD02

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



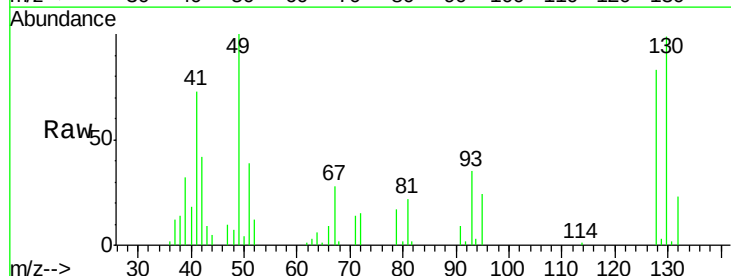
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



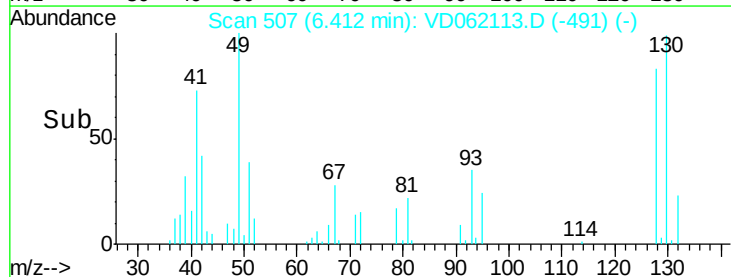
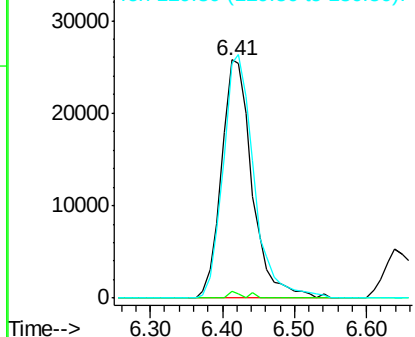
#28

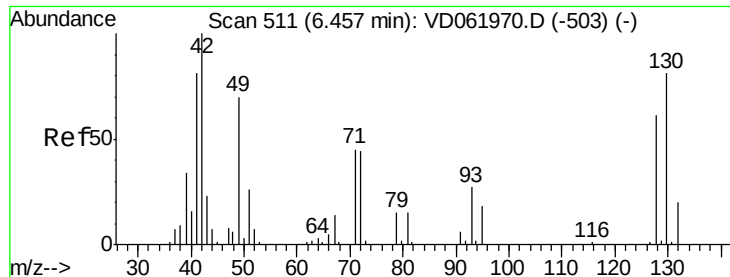
Bromochloromethane
Concen: 24.776 ug/l
RT: 6.41 min Scan# 507
Delta R.T. -0.04 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

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



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





#29

Tetrahydrofuran

Concen: 120.177 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBSD02

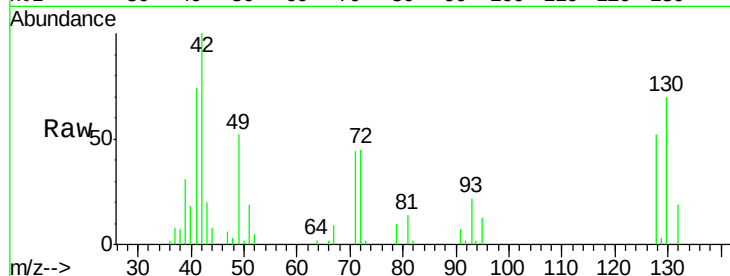
Tot Ion: 42 Resp: 68342

Ion Ratio Lower Upper

42 100

72 43.8 37.8 56.6

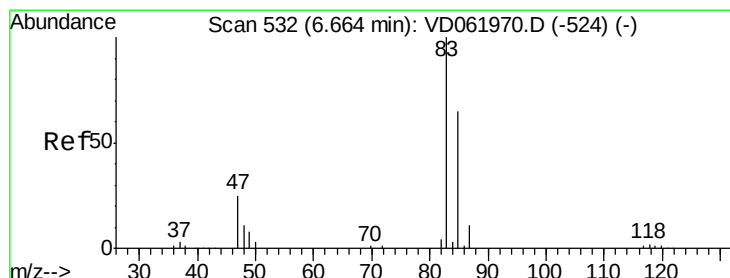
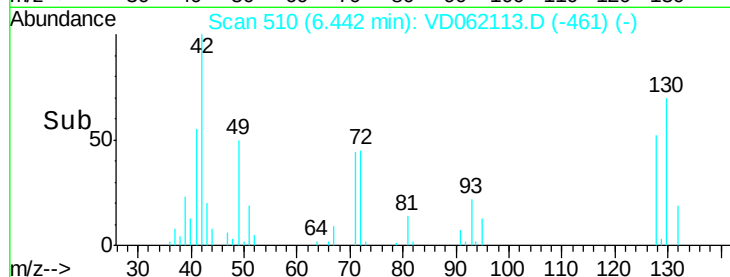
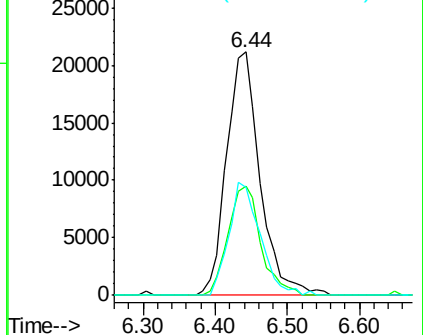
71 43.8 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.576 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.03 min

Lab File: VD062113.D

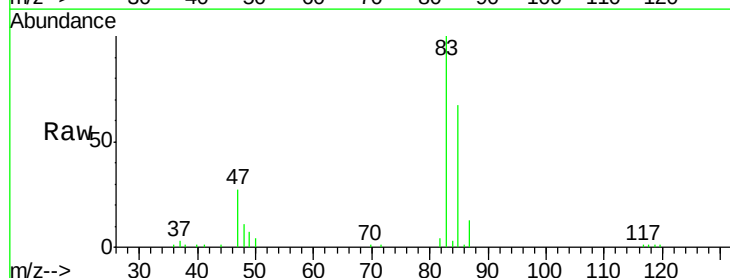
Acq: 2 May 2019 16:03

Tgt Ion: 83 Resp: 186984

Ion Ratio Lower Upper

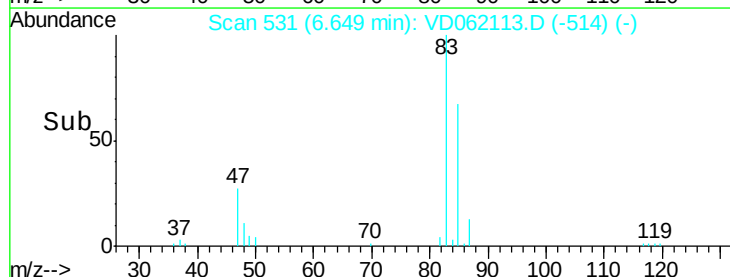
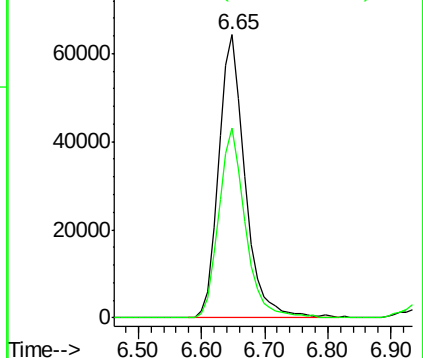
83 100

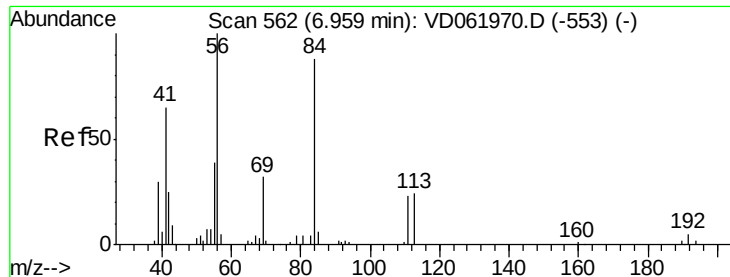
85 66.9 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

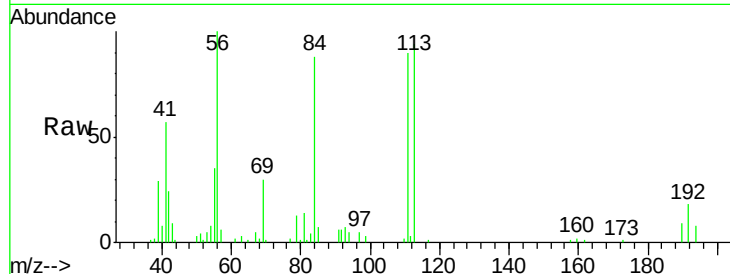




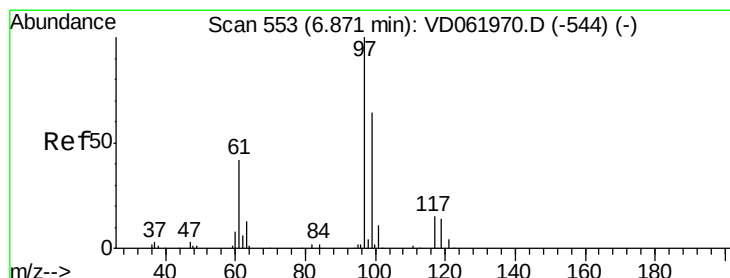
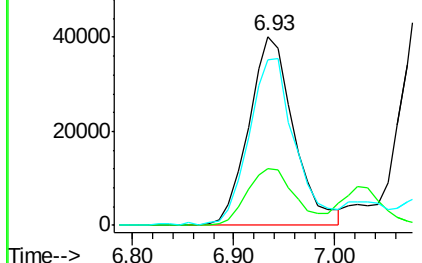
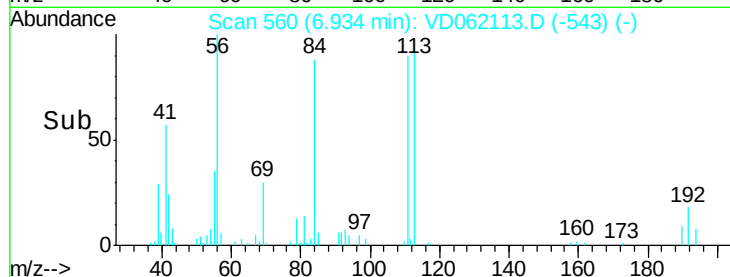
#31
Cyclohexane
Concen: 20.991 ug/l
RT: 6.93 min Scan# 560
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS02

Tot Ion: 56 Resp: 124654
Ion Ratio Lower Upper
56 100
69 29.8 25.8 38.6
84 87.8 72.2 108.4

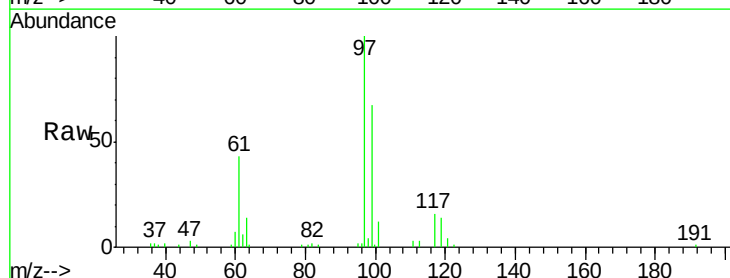


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

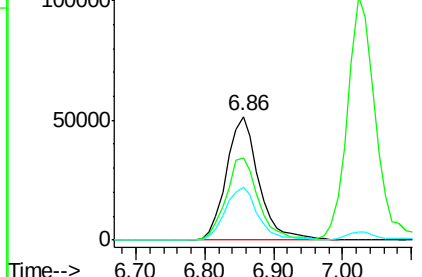
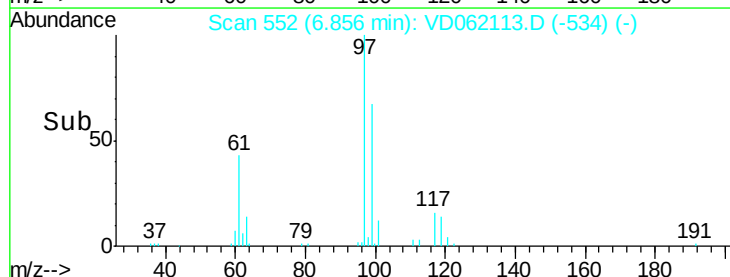


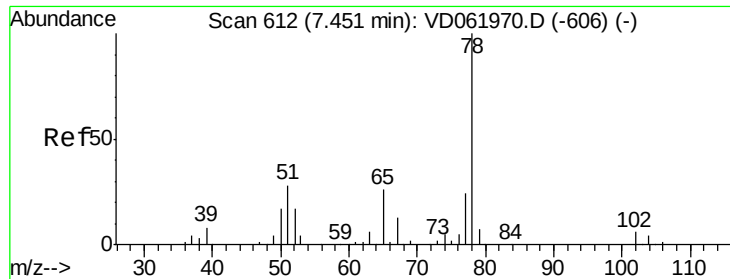
#32
1,1,1-Trichloroethane
Concen: 21.173 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion: 97 Resp: 167409
Ion Ratio Lower Upper
97 100
99 66.6 52.2 78.2
61 43.1 32.4 48.6



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

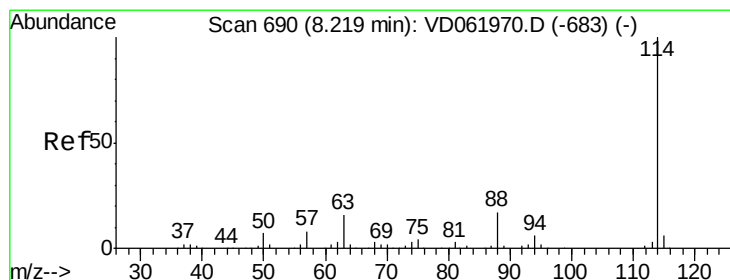
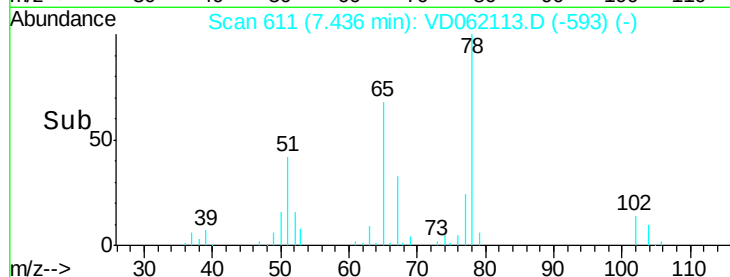
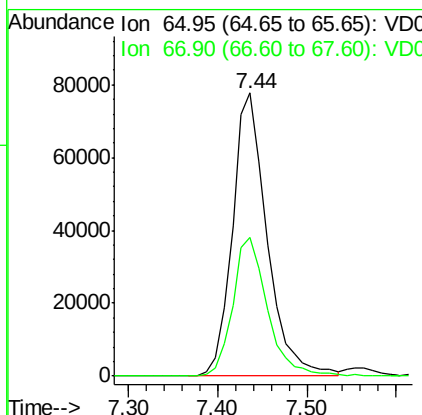
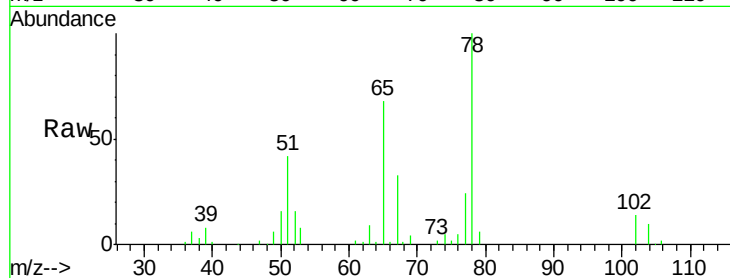




#33
 1,2-Dichloroethane-d4
 Concen: 52.695 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

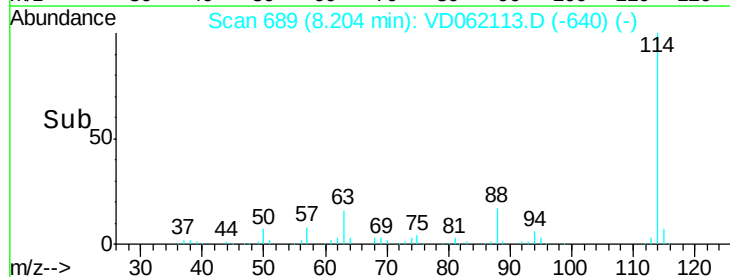
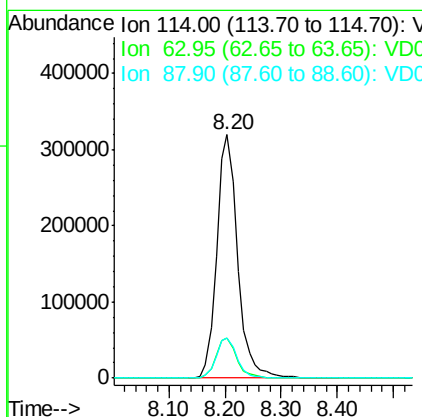
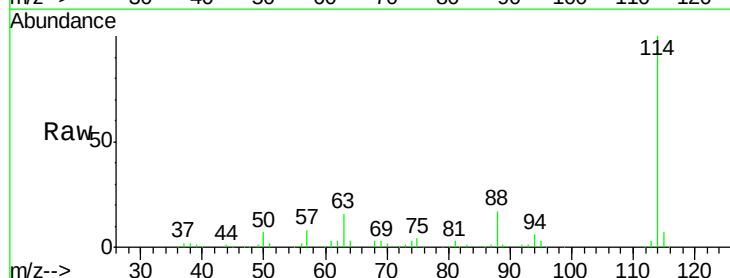
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBSD02

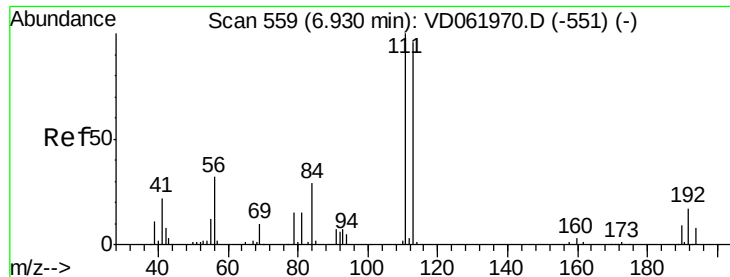
Tot Ion: 65 Resp: 210084
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Tgt Ion: 114 Resp: 830262
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 32.4
 88 16.6 0.0 33.6

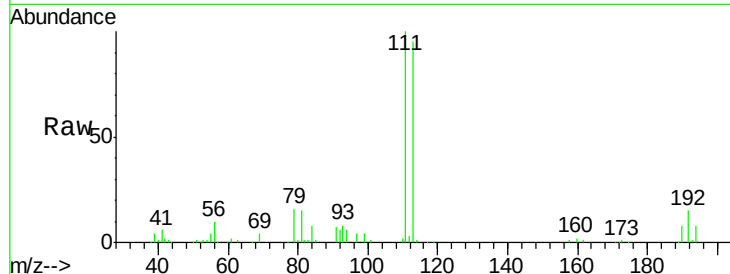




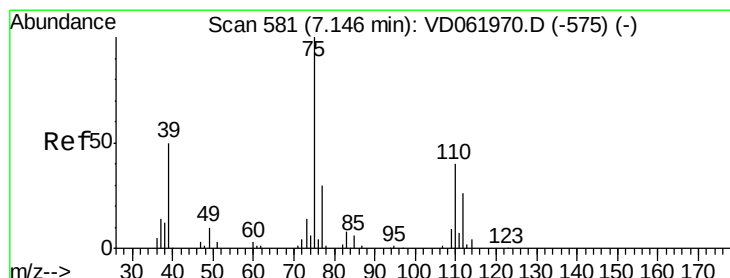
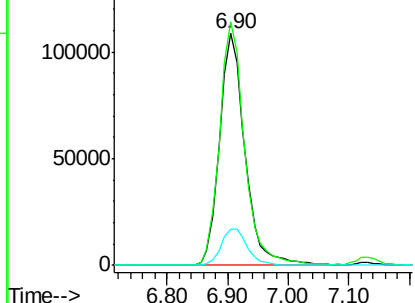
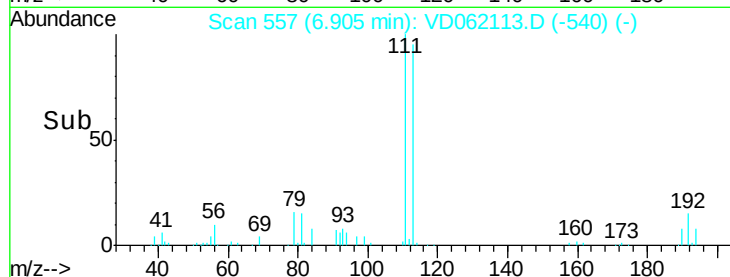
#35
Dibromofluoromethane
Concen: 55.245 ug/l
RT: 6.90 min Scan# 557
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0502SBSD02

Tot Ion:113 Resp: 317222
Ion Ratio Lower Upper
113 100
111 105.1 78.5 117.7
192 15.5 13.0 19.4

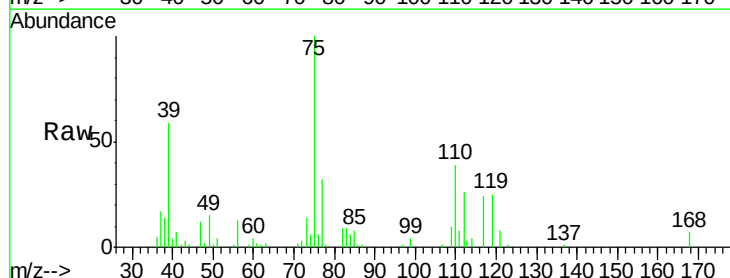


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

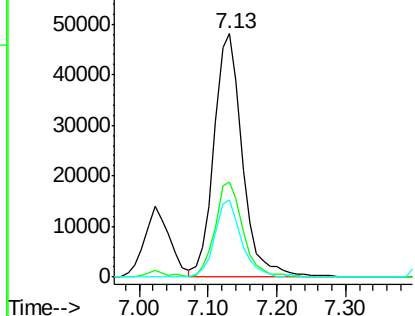
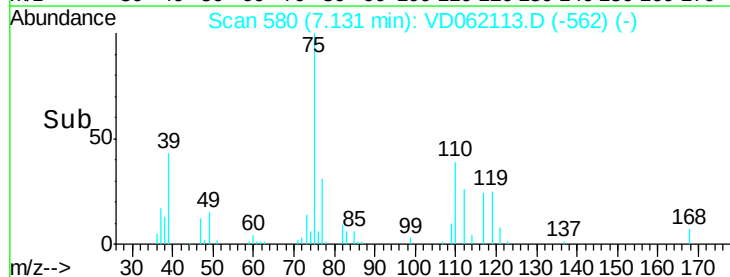


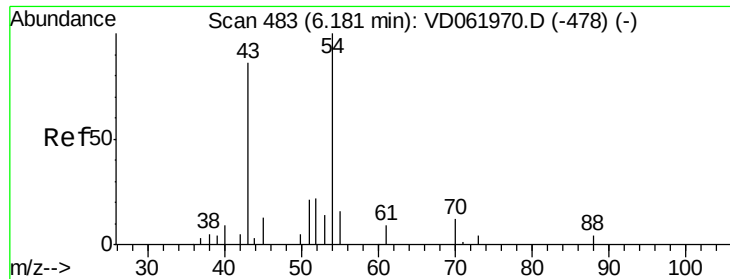
#36
1,1-Dichloropropene
Concen: 21.353 ug/l
RT: 7.13 min Scan# 580
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion: 75 Resp: 138126
Ion Ratio Lower Upper
75 100
110 39.3 19.1 57.1
77 32.0 25.6 38.4



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

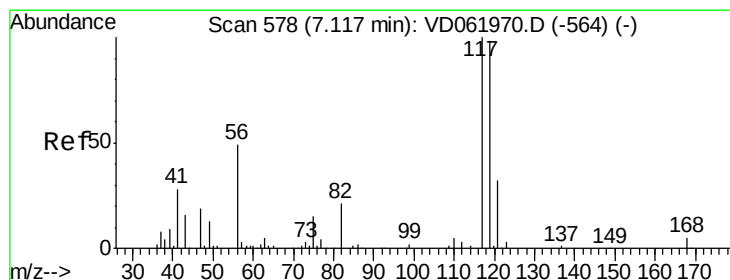
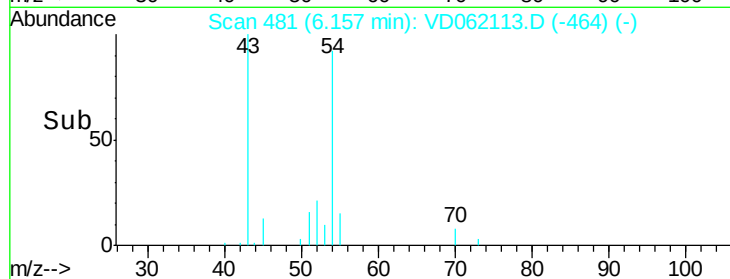
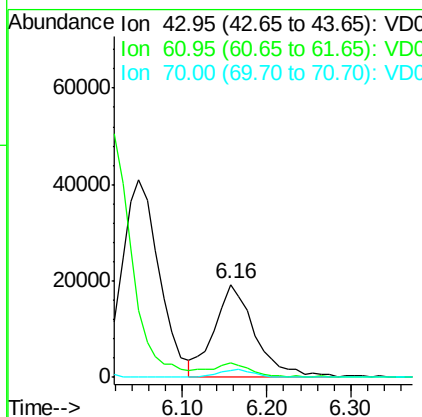
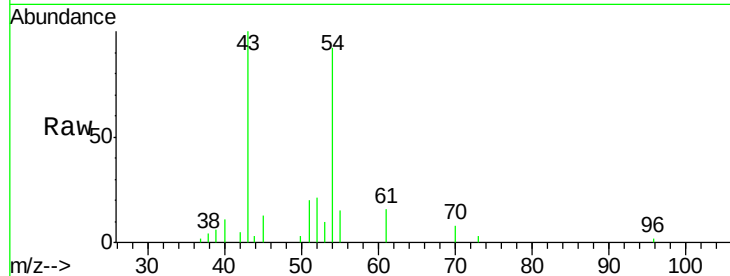




#37
Ethyl Acetate
Concen: 23.534 ug/l
RT: 6.16 min Scan# 481
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

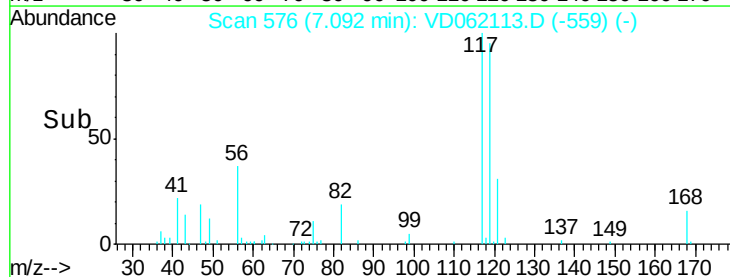
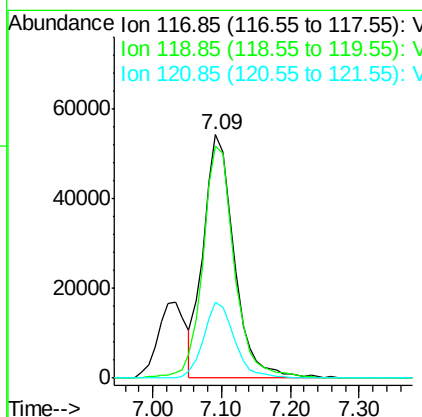
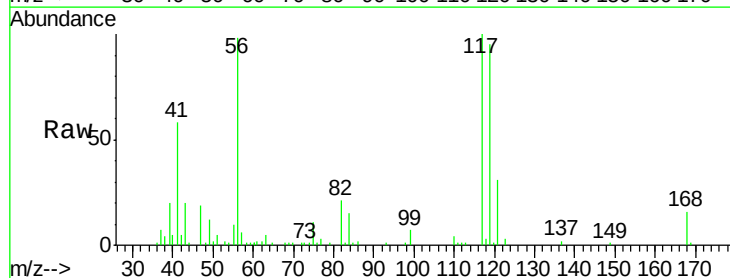
Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS02

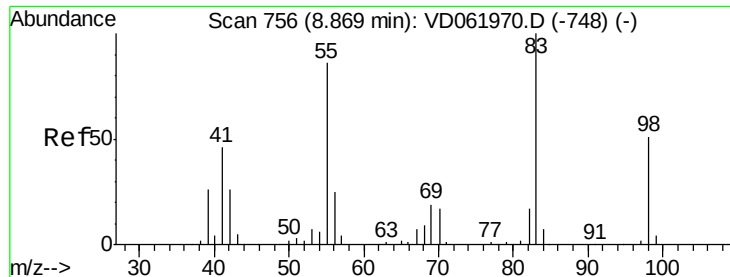
Tot Ion: 43 Resp: 64871
Ion Ratio Lower Upper
43 100
61 16.0 14.7 22.1
70 7.7 7.8 11.6#



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

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

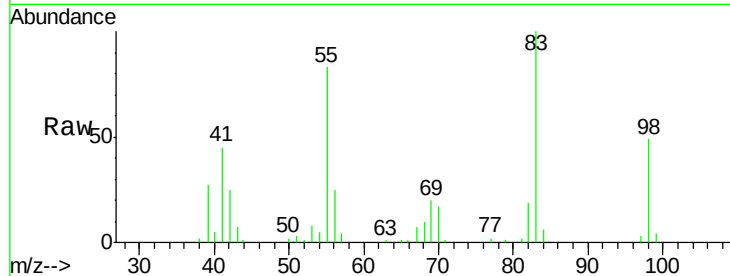




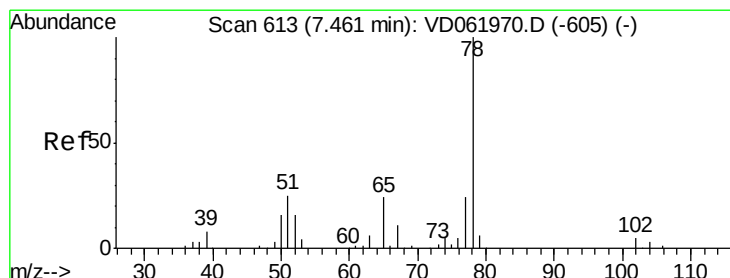
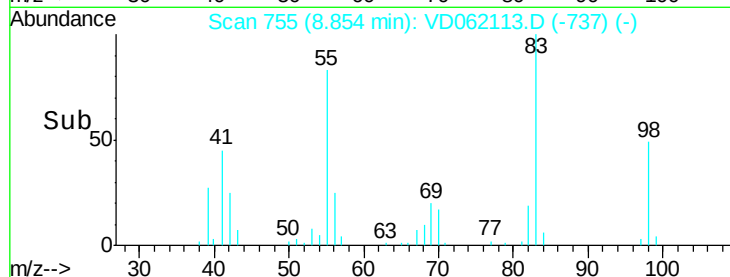
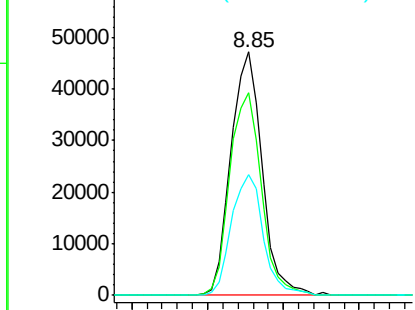
#39
Methylvlcyclohexane
Concen: 21.018 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0502SBSD02

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

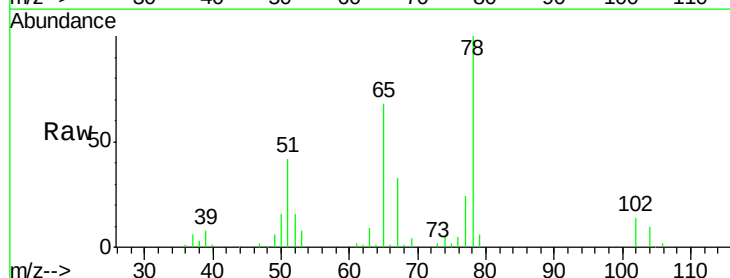


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

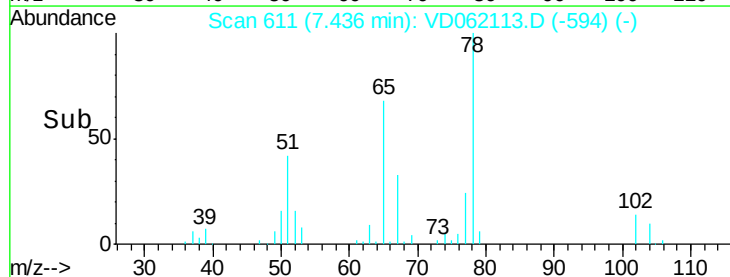
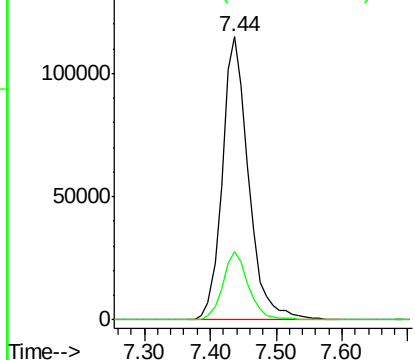


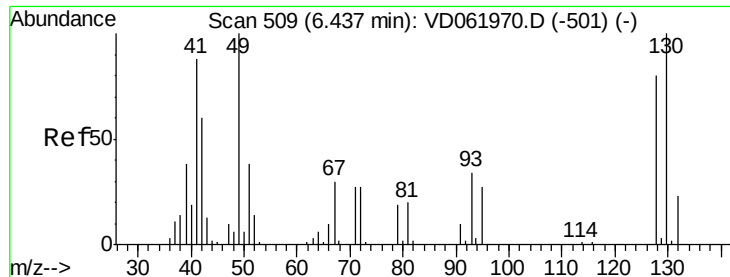
#40
Benzene
Concen: 20.019 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.03 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

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



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

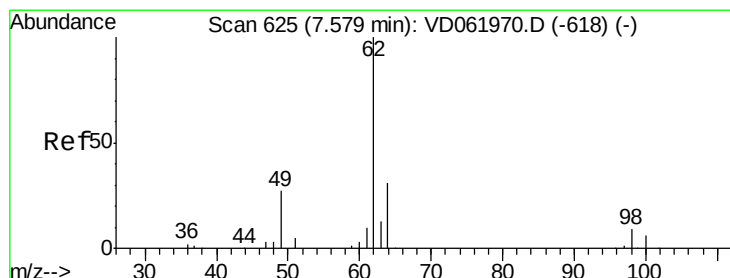
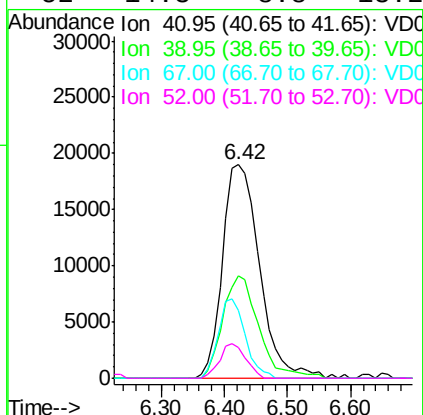
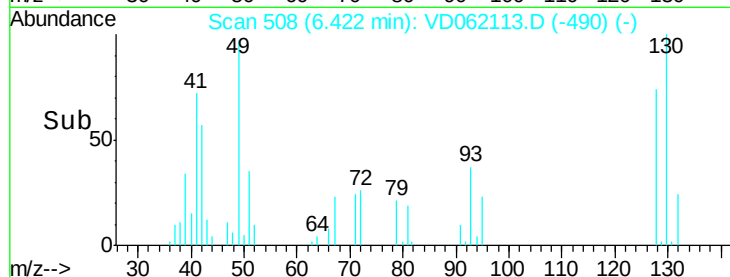
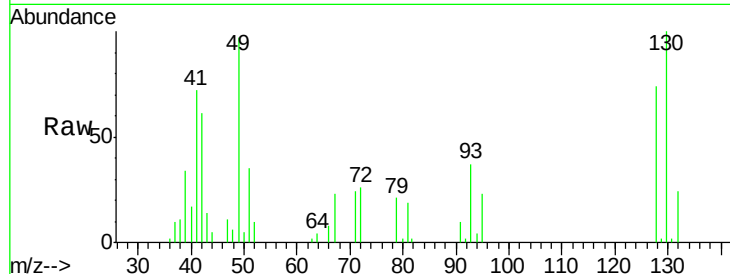




#41
Methacrylonitrile
Concen: 24.062 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

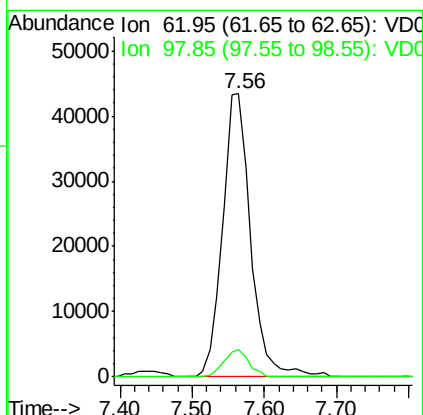
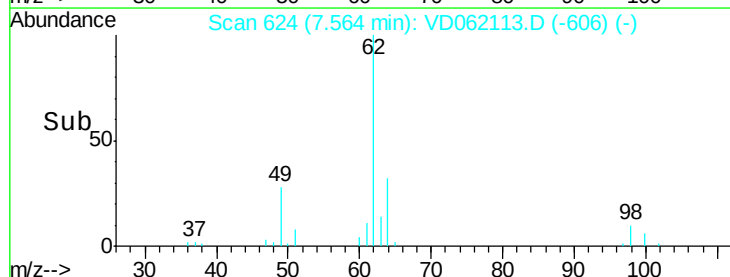
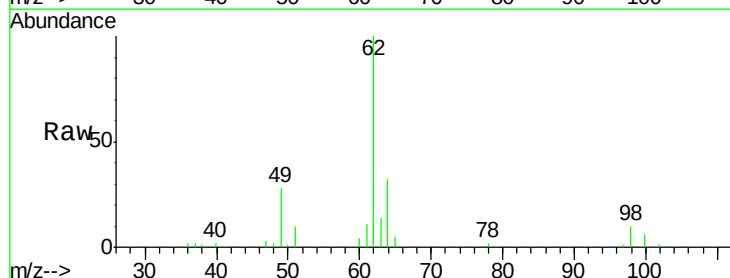
Instrument :
MSVOA_D
ClientSampleId :
VD0502SBSD02

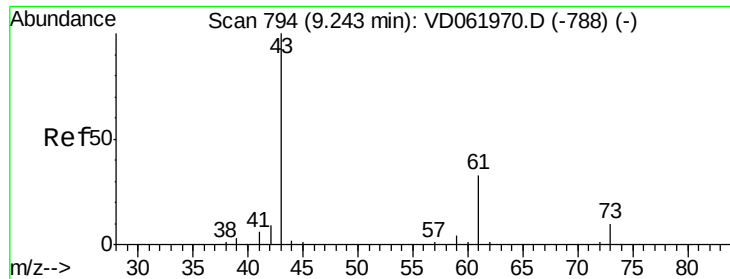
Tot Ion: 41 Resp: 77389
Ion Ratio Lower Upper
41 100
39 47.7 34.1 51.1
67 31.6 23.8 35.6
52 14.3 8.8 13.2#



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

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





#43

Isopropyl Acetate

Concen: 19.731 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBSD02

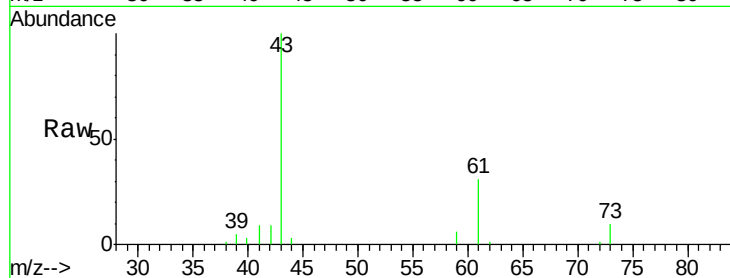
Tot Ion: 43 Resp: 79468

Ion Ratio Lower Upper

43 100

61 31.4 25.1 37.7

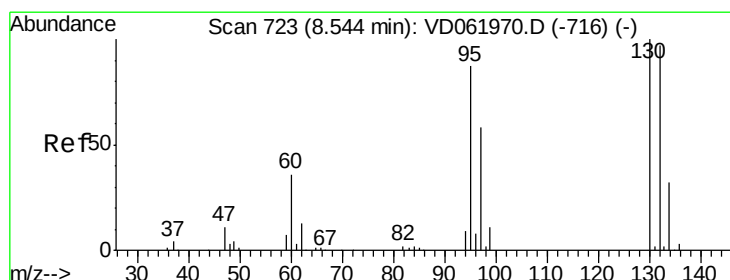
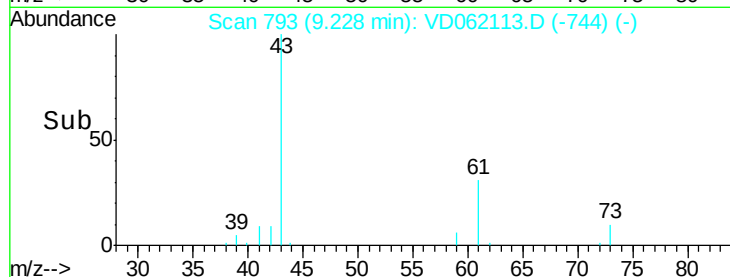
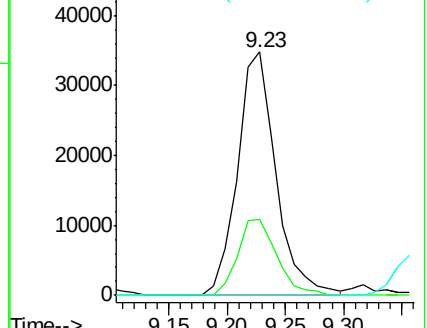
87 0.0 0.0 0.0



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: 21.197 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD062113.D

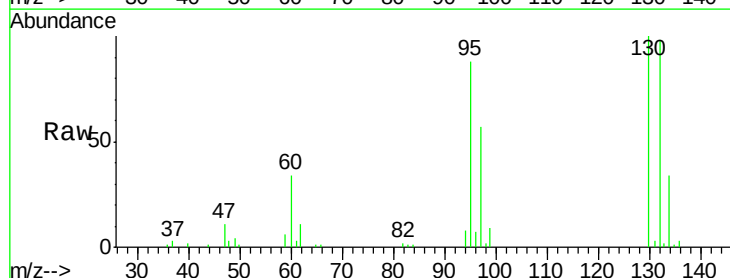
Acq: 2 May 2019 16:03

Tgt Ion:130 Resp: 131599

Ion Ratio Lower Upper

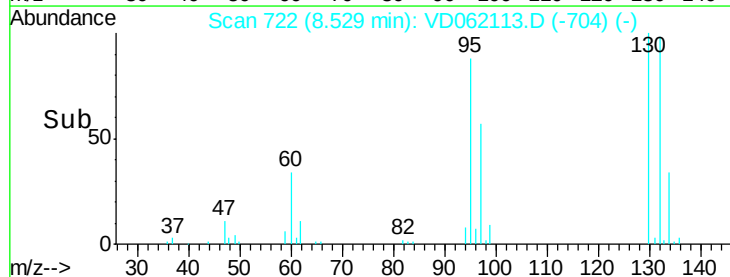
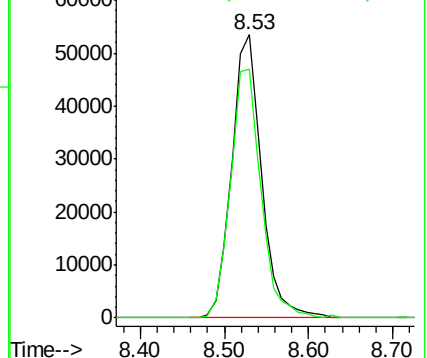
130 100

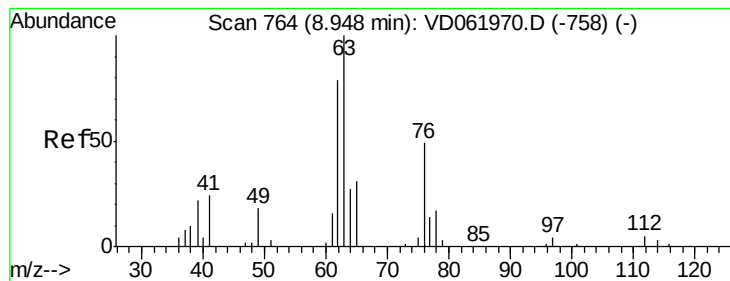
95 87.8 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.277 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

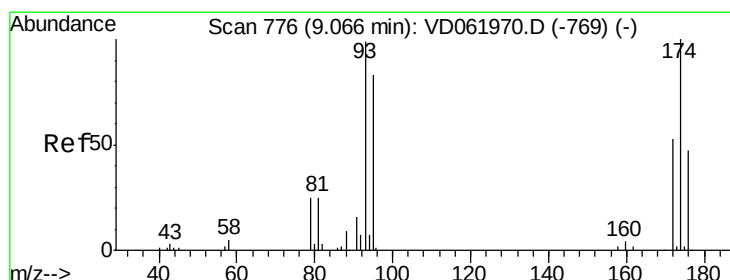
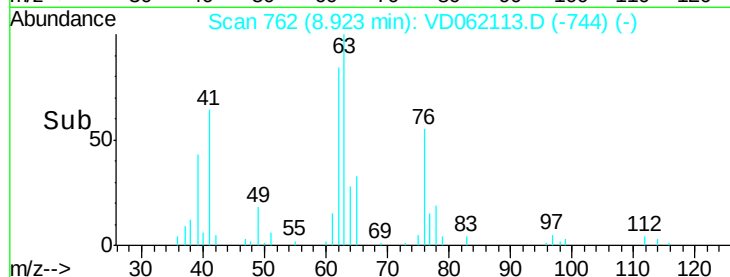
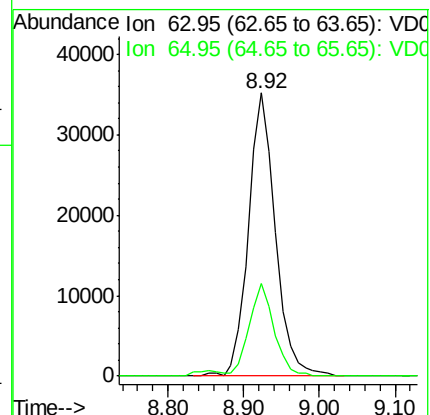
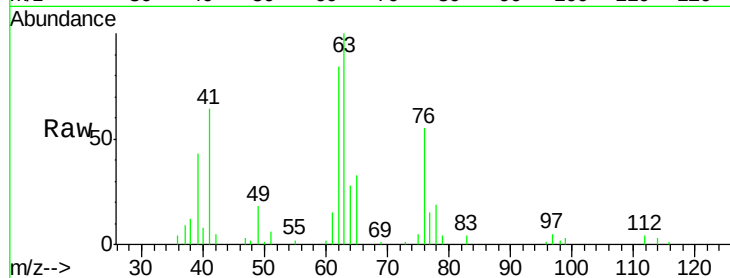
VD0502SBSD02

Tot Ion: 63 Resp: 86439

Ion Ratio Lower Upper

63 100

65 32.7 23.8 35.6



#46

Dibromomethane

Concen: 20.809 ug/l

RT: 9.04 min Scan# 774

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

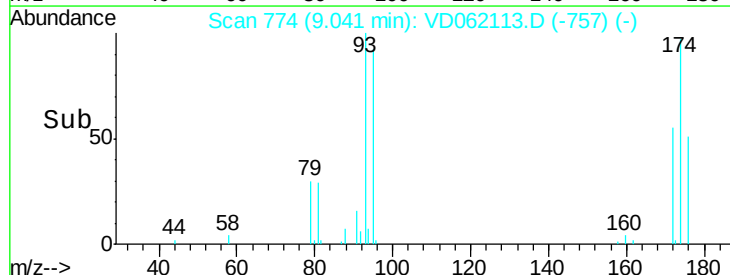
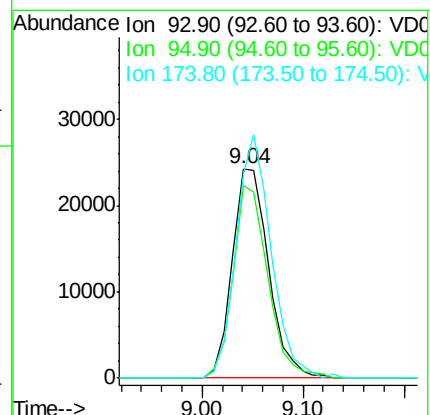
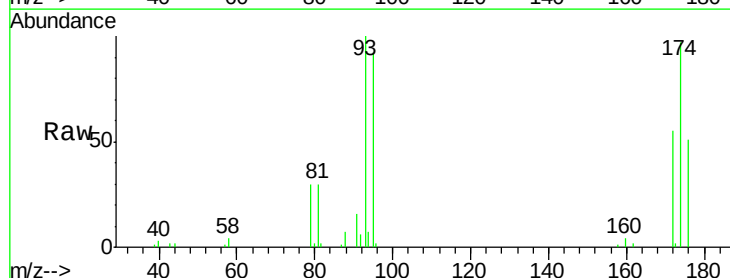
Tgt Ion: 93 Resp: 60832

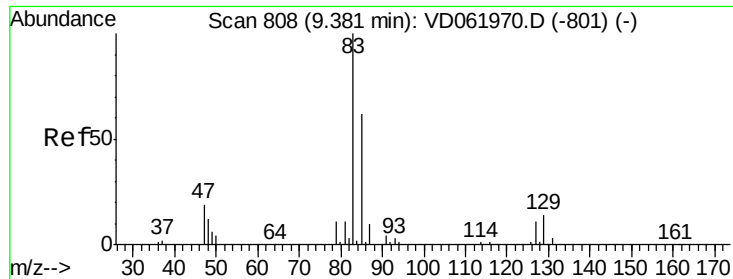
Ion Ratio Lower Upper

93 100

95 91.7 64.8 97.2

174 97.3 79.3 118.9





#47

Bromodichloromethane

Concen: 21.579 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS02

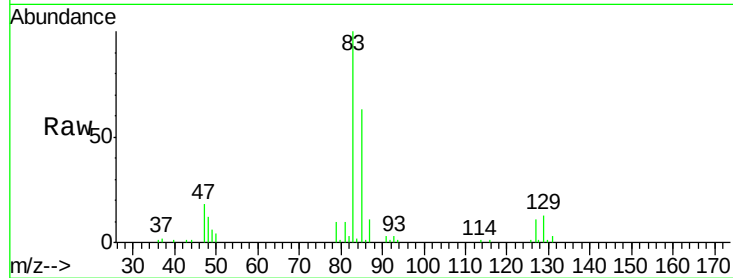
Tot Ion: 83 Resp: 149052

Ion Ratio Lower Upper

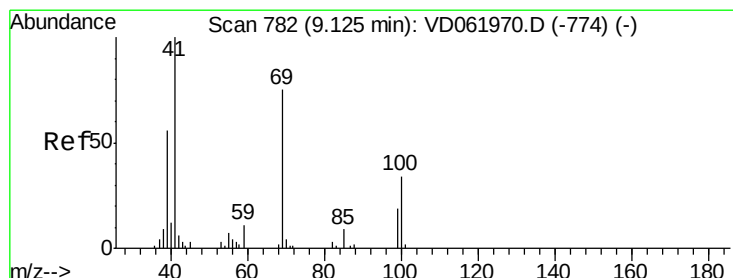
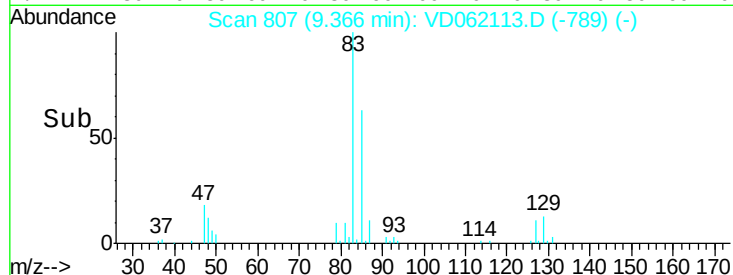
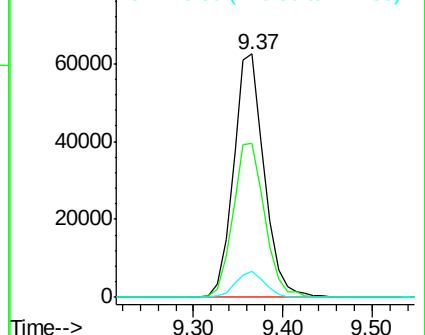
83 100

85 63.0 50.9 76.3

127 10.8 8.1 12.1



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



#48

Methyl methacrylate

Concen: 22.221 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.03 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

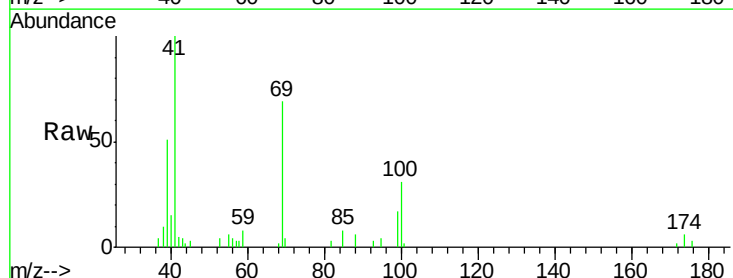
Tgt Ion: 41 Resp: 51064

Ion Ratio Lower Upper

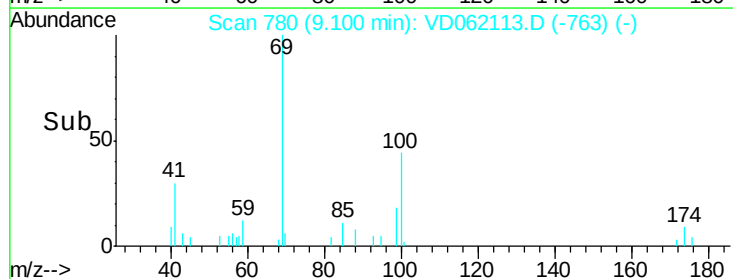
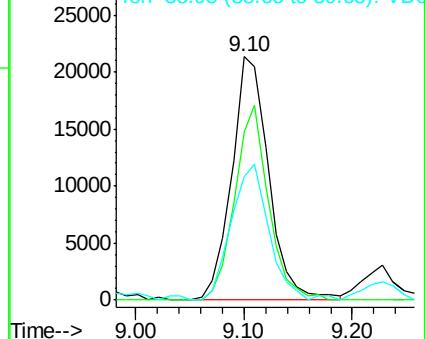
41 100

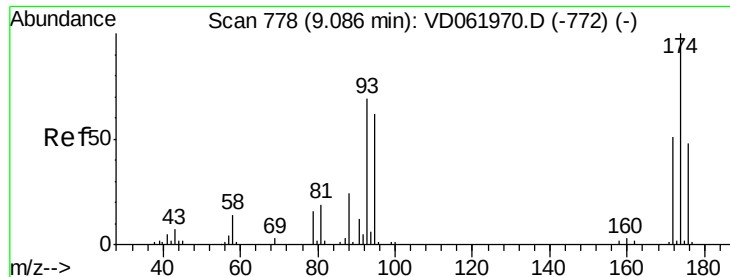
69 69.3 64.2 96.2

39 50.7 46.8 70.2



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

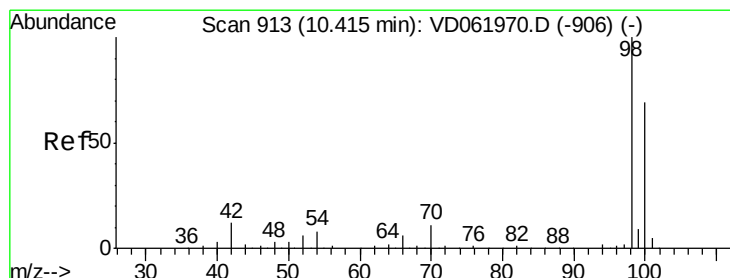
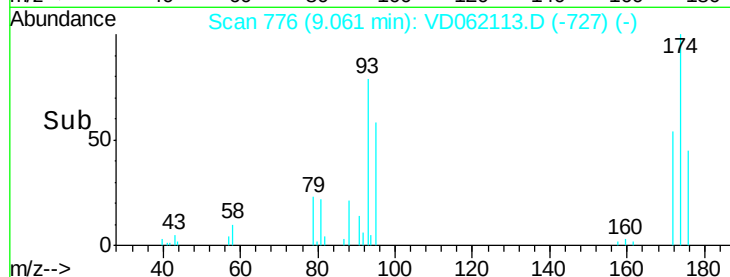
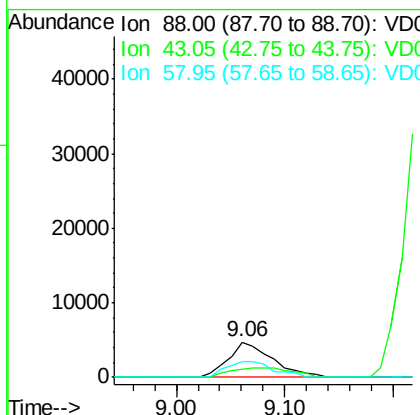
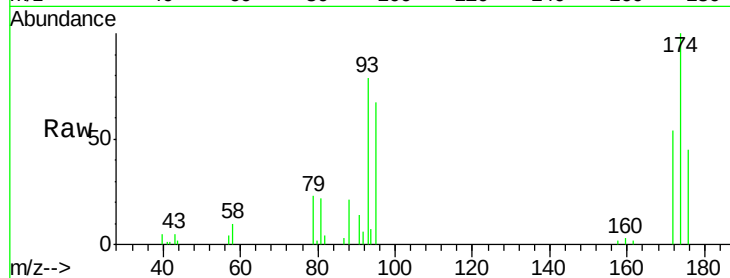




#49
1,4-Dioxane
Concen: 538.078 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

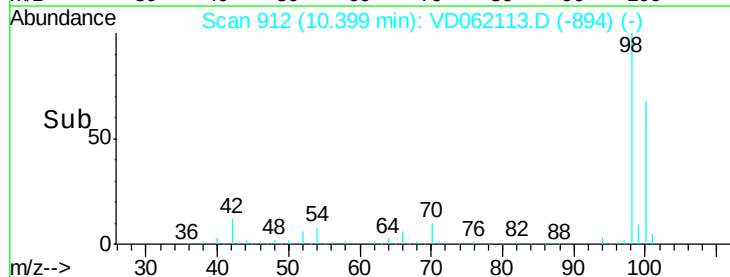
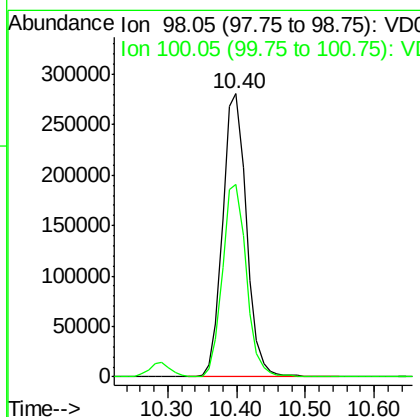
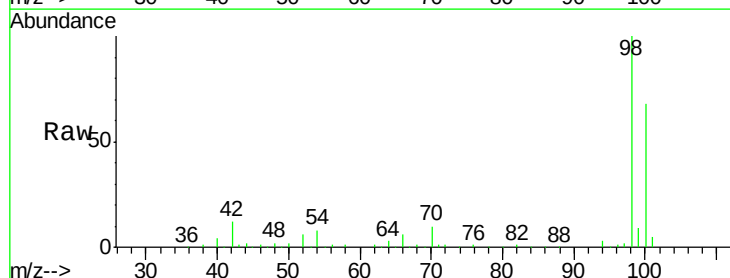
Instrument :
MSVOA_D
ClientSampleId :
VD0502SBSD02

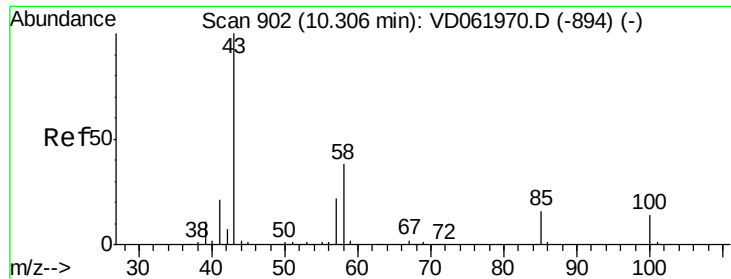
Tot Ion: 88 Resp: 13331
Ion Ratio Lower Upper
88 100
43 22.8 23.4 35.0#
58 46.1 44.0 66.0



#50
Toluene-d8
Concen: 49.407 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion: 98 Resp: 675057
Ion Ratio Lower Upper
98 100
100 68.1 53.8 80.8





#51

4-Methyl-2-Pentanone

Concen: 109.426 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

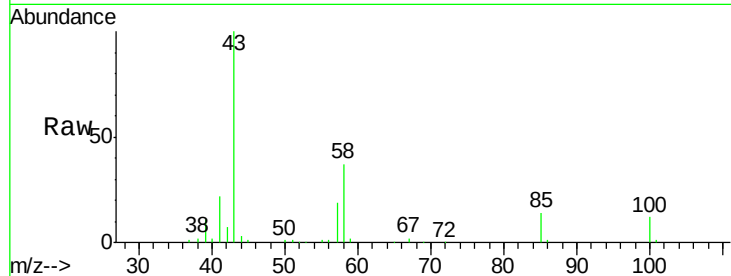
VD0502SBS02

Tot Ion: 43 Resp: 269532

Ion Ratio Lower Upper

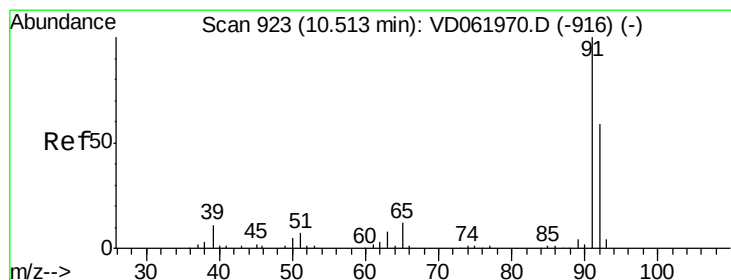
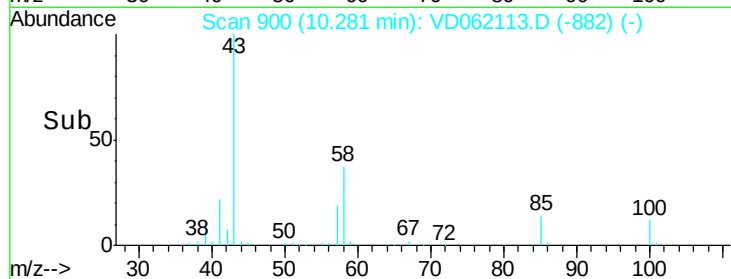
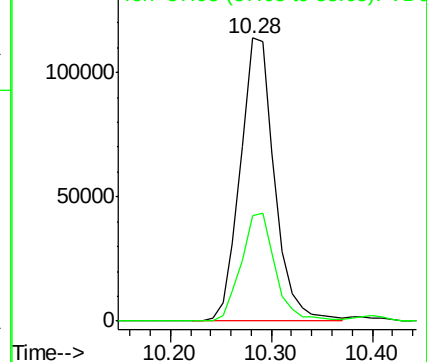
43 100

58 37.3 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.539 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD062113.D

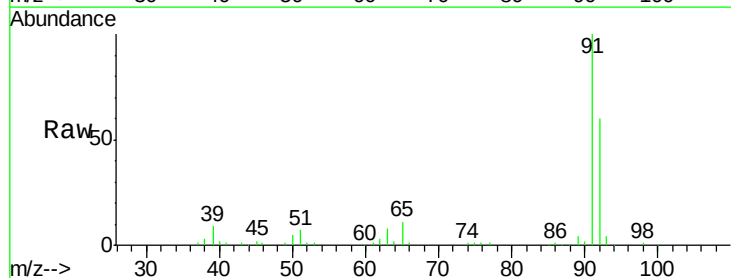
Acq: 2 May 2019 16:03

Tgt Ion: 92 Resp: 209719

Ion Ratio Lower Upper

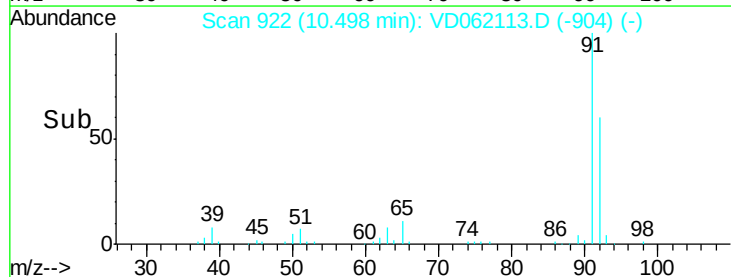
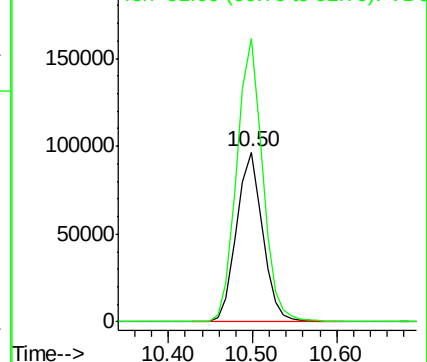
92 100

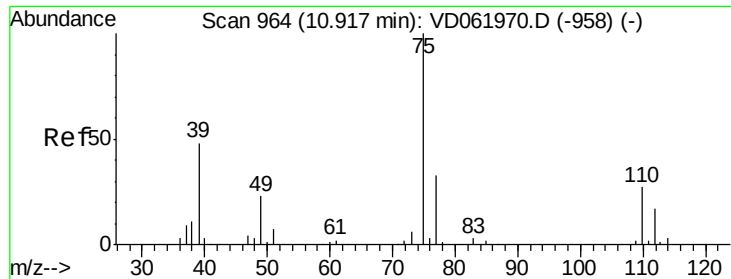
91 167.0 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

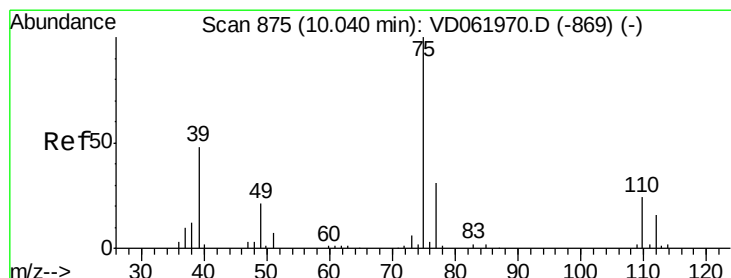
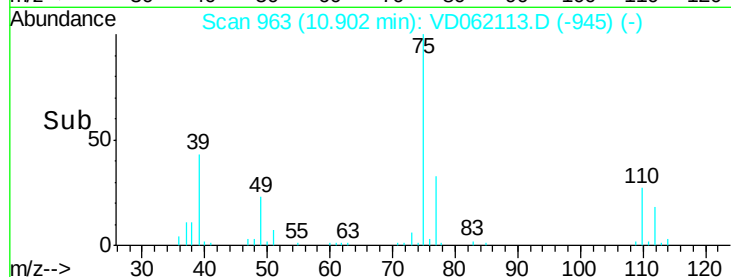
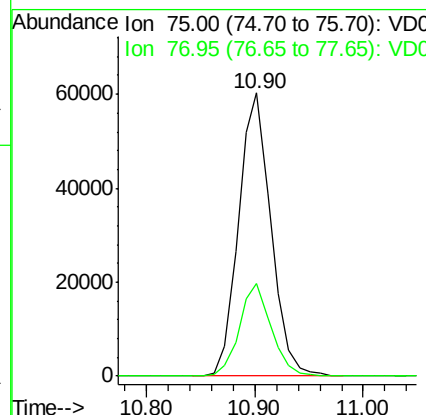
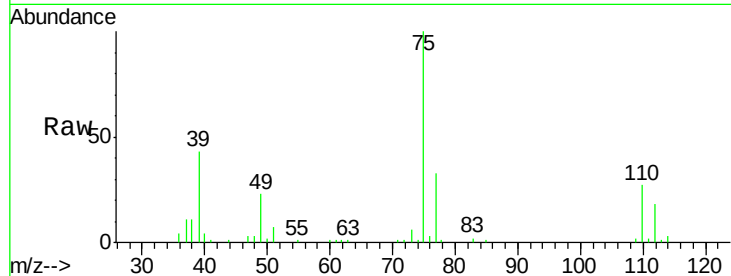




#53
 t-1,3-Dichloropropene
 Concen: 21.528 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.02 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

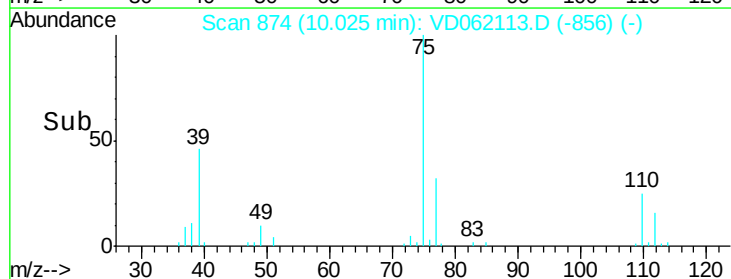
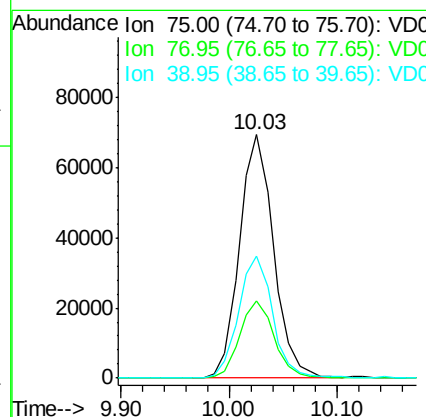
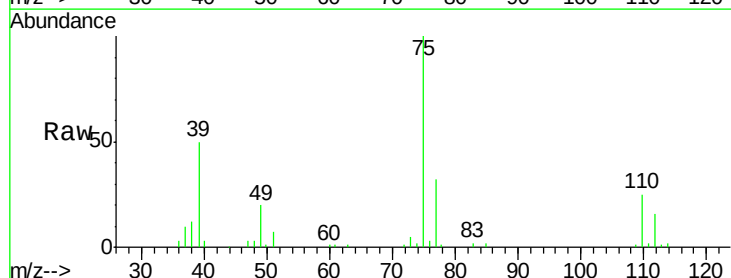
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBSD02

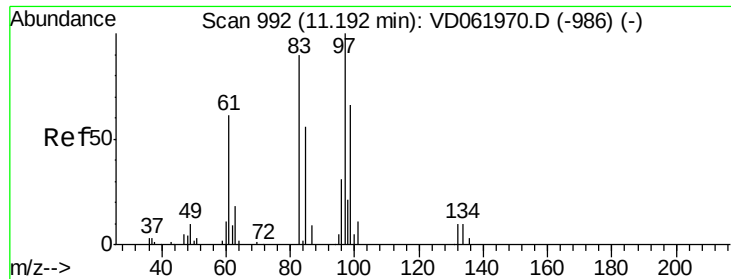
Tot Ion: 75 Resp: 124813
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.8 38.8



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

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

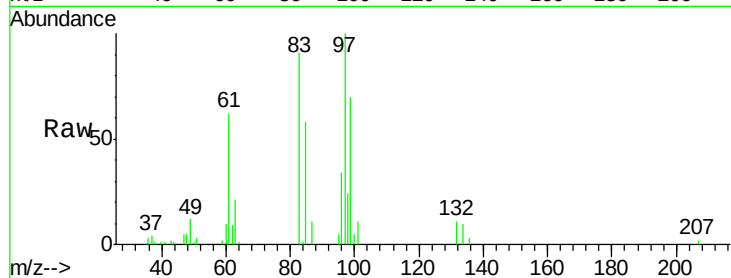




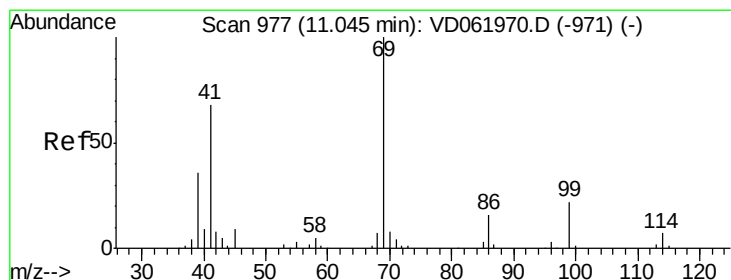
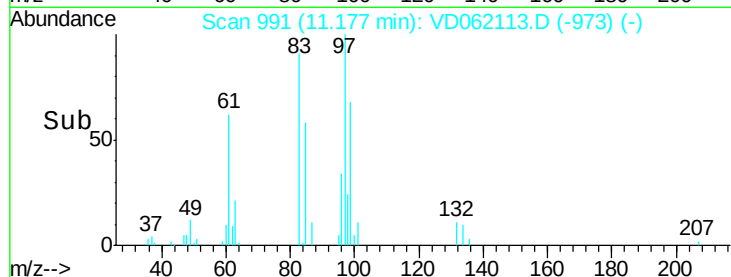
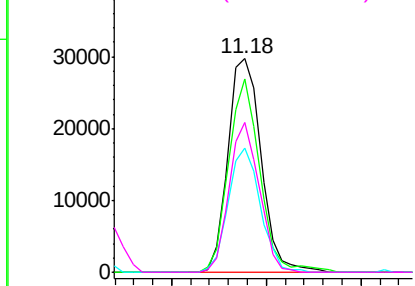
#55
 1,1,2-Trichloroethane
 Concen: 21.031 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.02 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBSD02

Tot Ion:	97	Resp:	72096
Ion	Ratio	Lower	Upper
97	100		
83	90.8	65.7	98.5
85	58.2	45.6	68.4
99	70.3	48.4	72.6

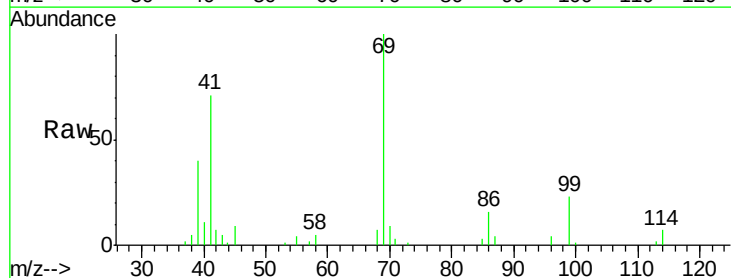


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

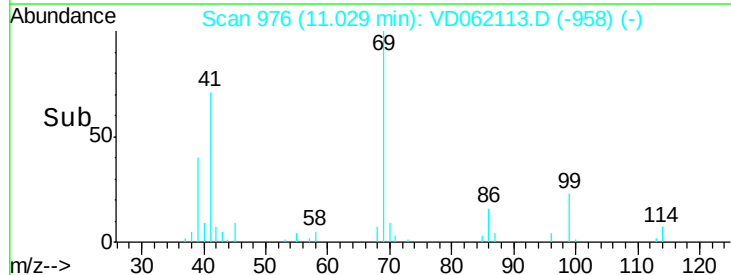
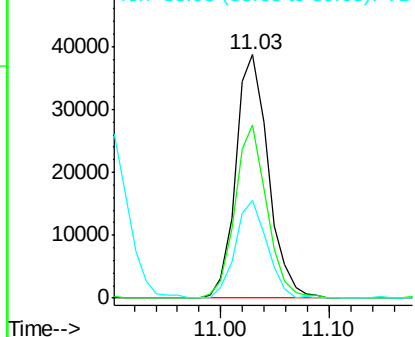


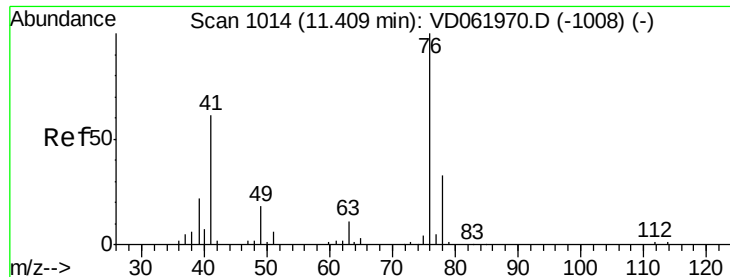
#56
 Ethyl methacrylate
 Concen: 21.300 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Tgt Ion:	69	Resp:	80868
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.3	84.5
39	39.9	29.4	44.2



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: 21.209 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. -0.02 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

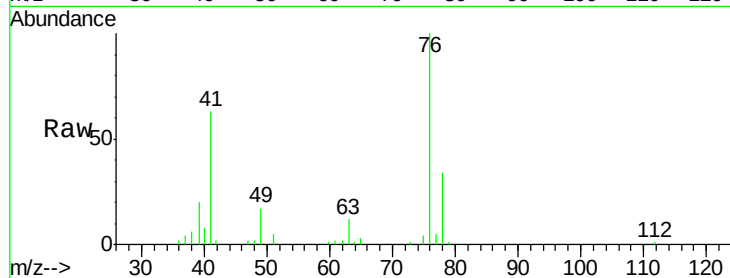
VD0502SBSD02

Tot Ion: 76 Resp: 112292

Ion Ratio Lower Upper

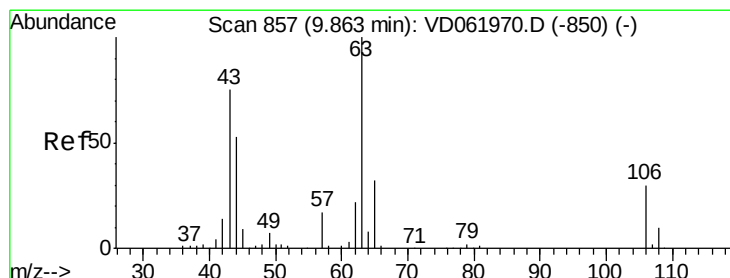
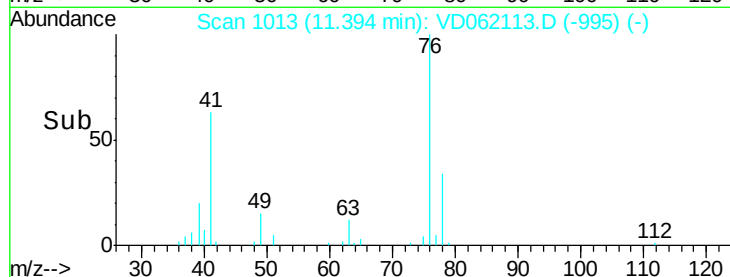
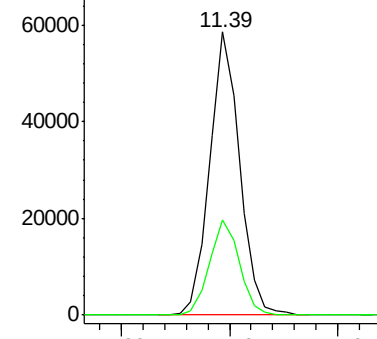
76 100

78 33.6 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 134.991 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.03 min

Lab File: VD062113.D

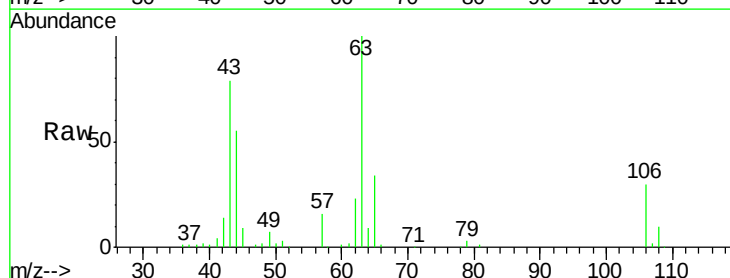
Acq: 2 May 2019 16:03

Tgt Ion: 63 Resp: 238282

Ion Ratio Lower Upper

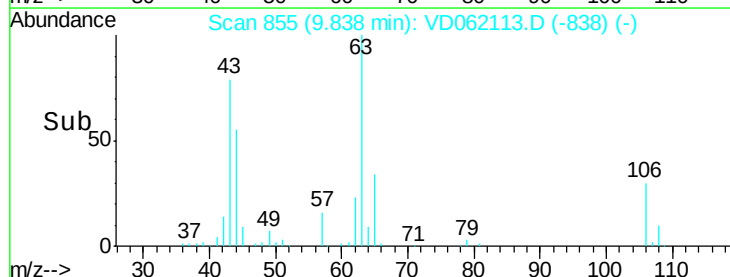
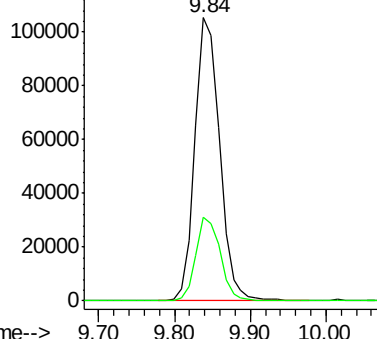
63 100

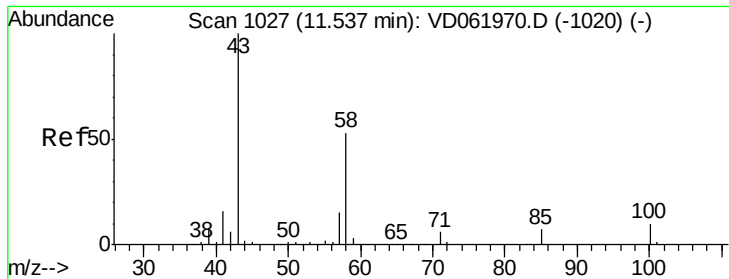
106 29.7 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 122.429 ug/l

RT: 11.52 min Scan# 1026

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

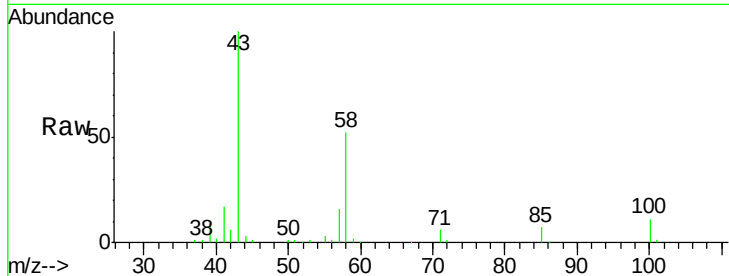
VD0502SBSD02

Tot Ion: 43 Resp: 226214

Ion Ratio Lower Upper

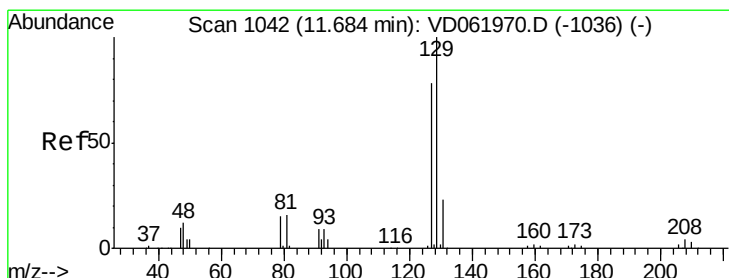
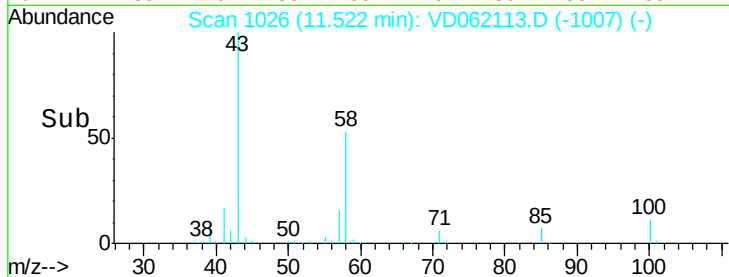
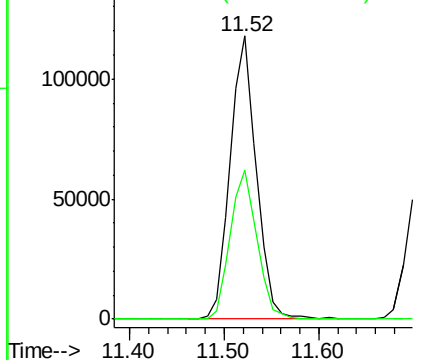
43 100

58 52.4 25.4 76.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 21.475 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VD062113.D

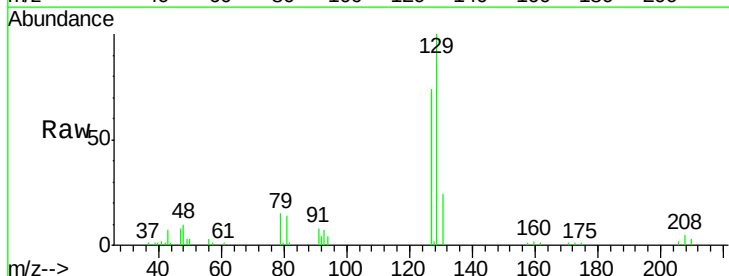
Acq: 2 May 2019 16:03

Tgt Ion: 129 Resp: 121807

Ion Ratio Lower Upper

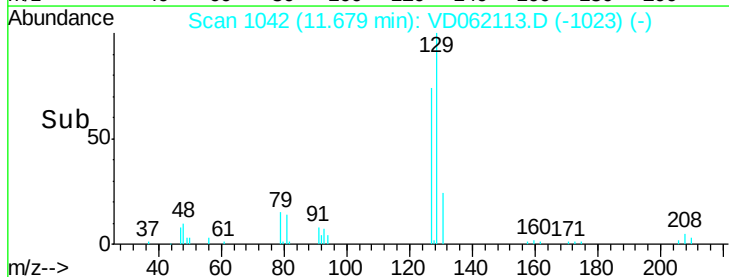
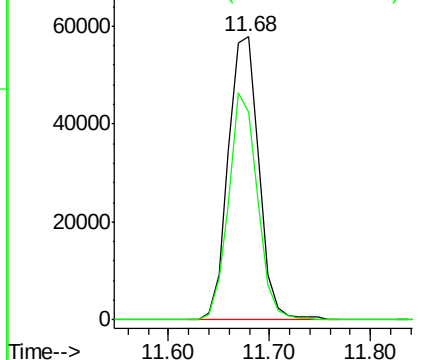
129 100

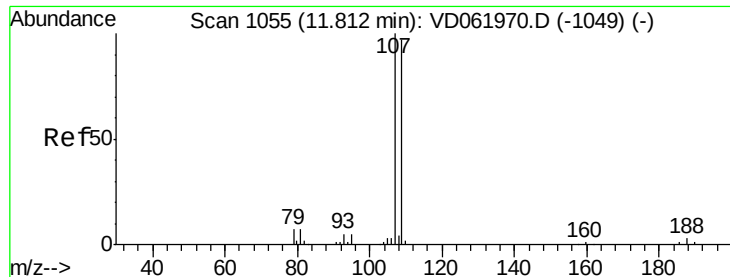
127 73.7 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

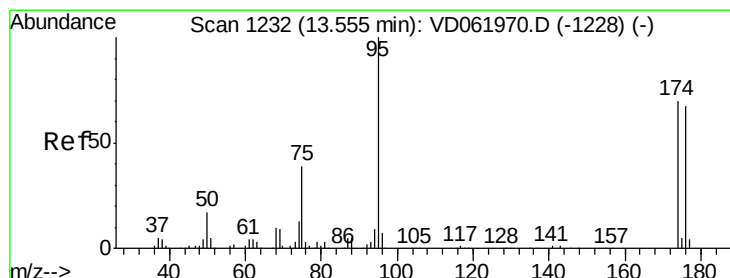
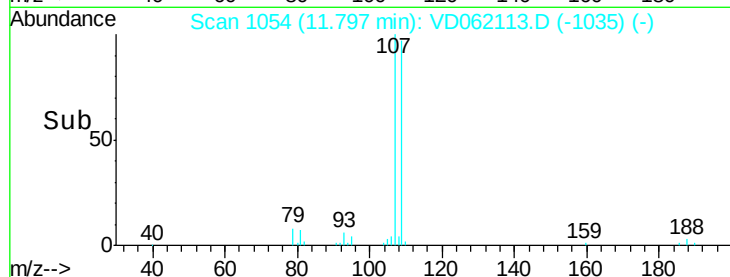
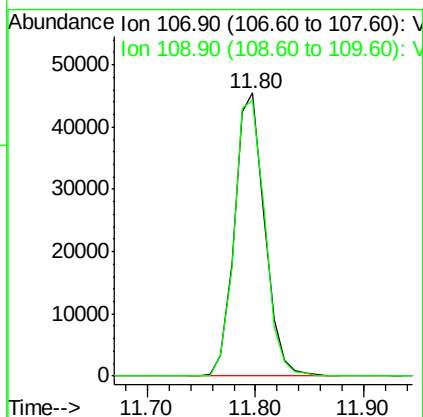
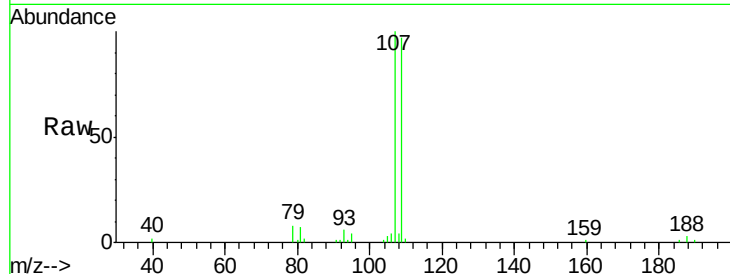




#61
 1,2-Dibromoethane
 Concen: 21.610 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

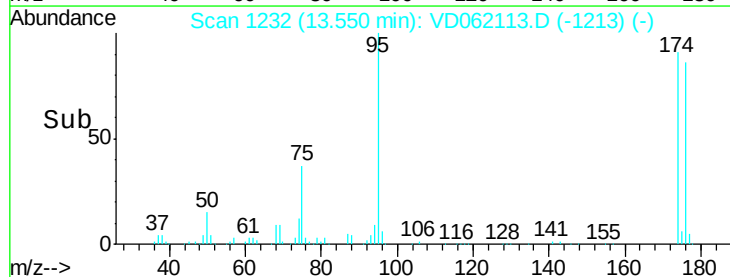
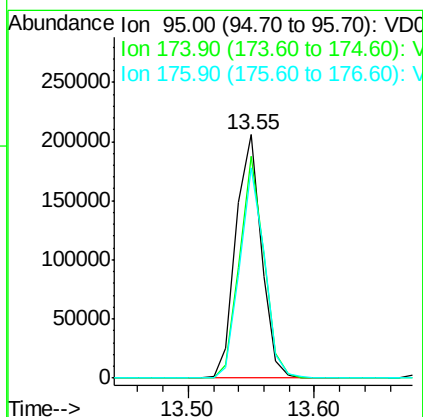
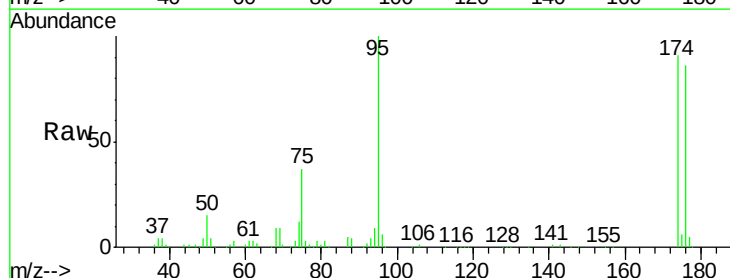
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBSD02

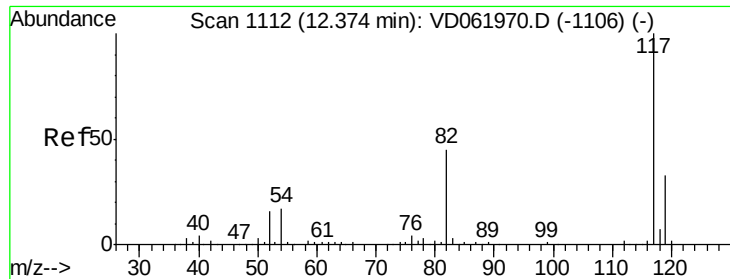
Tot Ion:107 Resp: 87878
 Ion Ratio Lower Upper
 107 100
 109 97.5 78.3 117.5



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

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

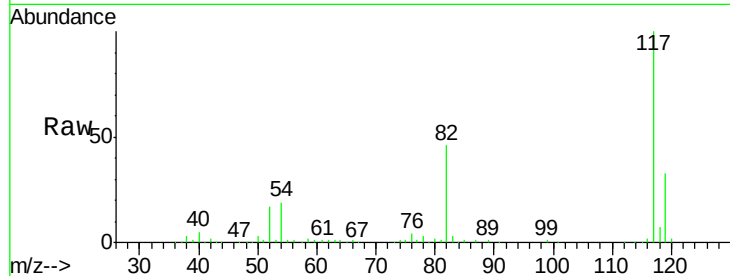




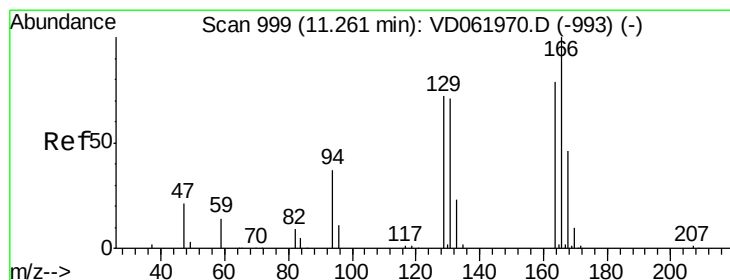
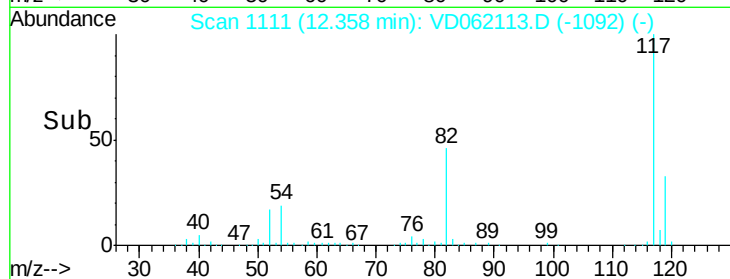
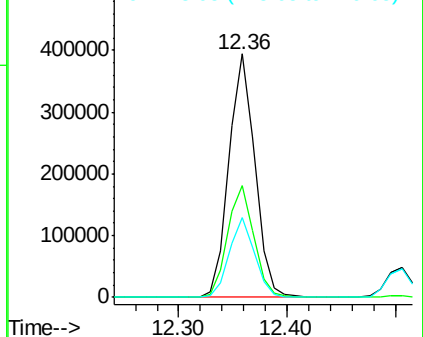
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0502SBSD02

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



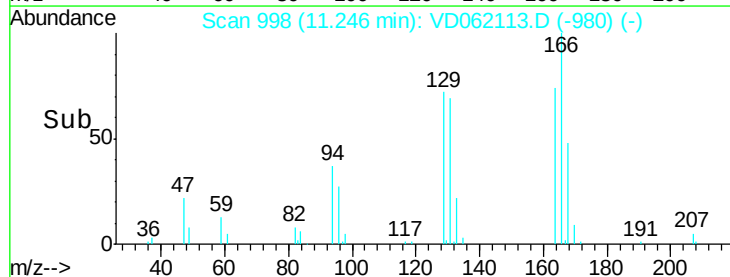
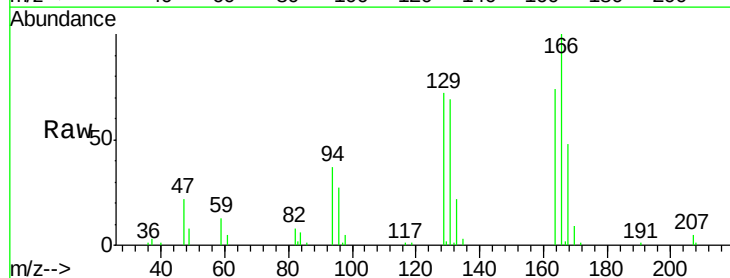
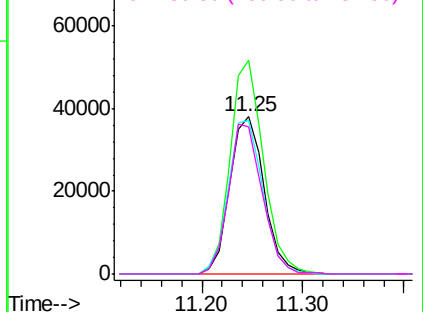
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

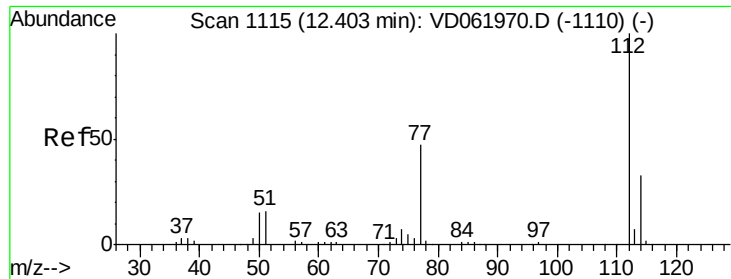


#64
Tetrachloroethene
Concen: 19.166 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion:164 Resp: 90156
Ion Ratio Lower Upper
164 100
166 135.8 101.5 152.3
129 97.5 74.6 112.0
131 93.5 72.6 108.8

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

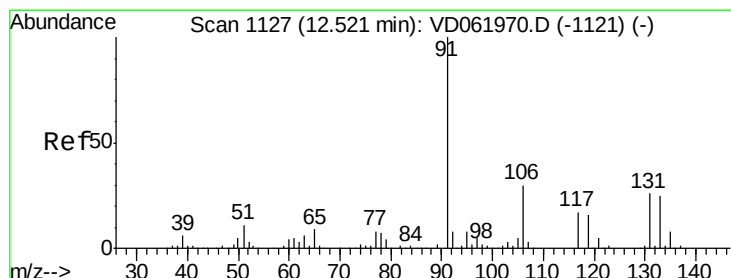
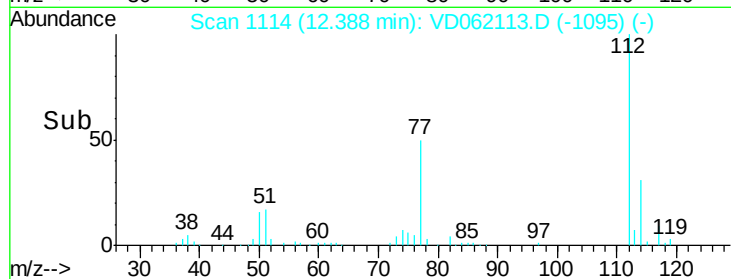
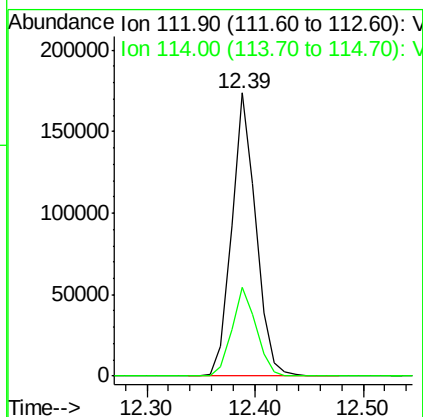
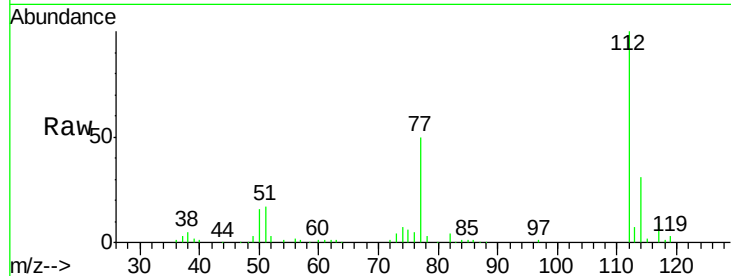




#65
Chlorobenzene
Concen: 21.551 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

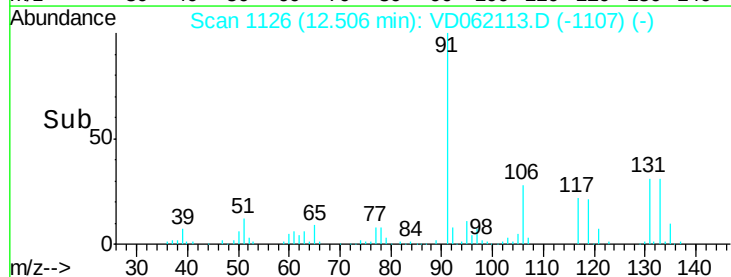
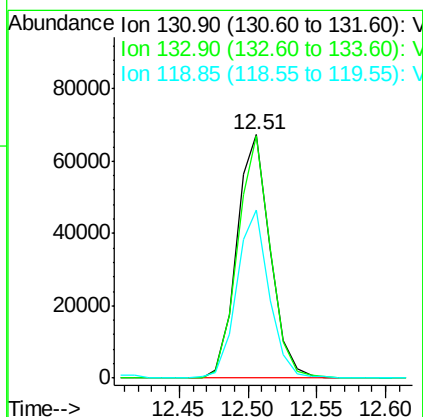
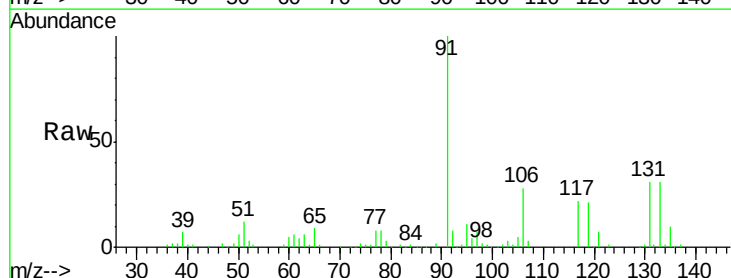
Instrument :
MSVOA_D
ClientSampleId :
VD0502SBSD02

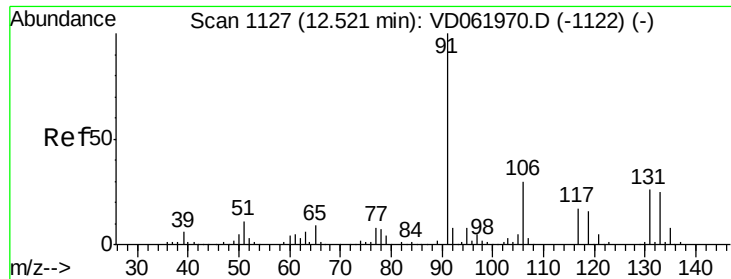
Tot Ion:112 Resp: 268539
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8



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

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

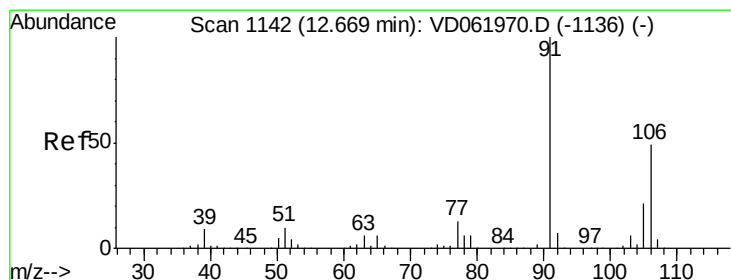
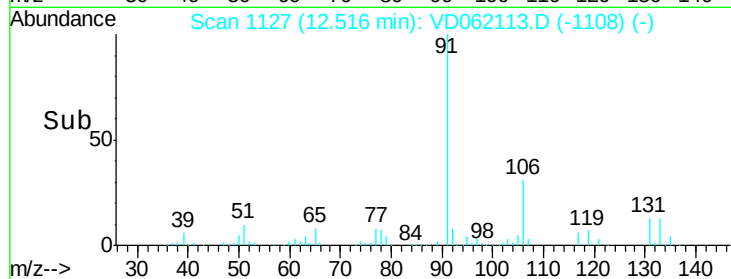
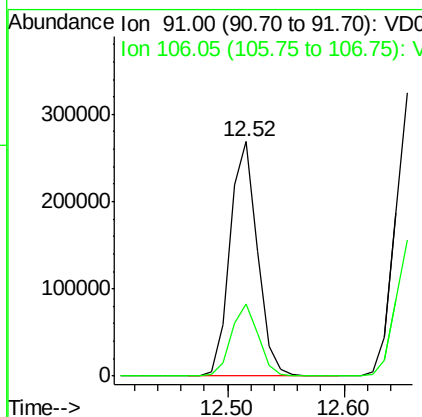
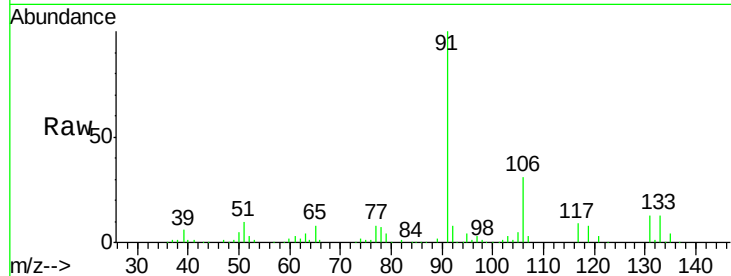




#67
Ethyl Benzene
Concen: 21.495 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

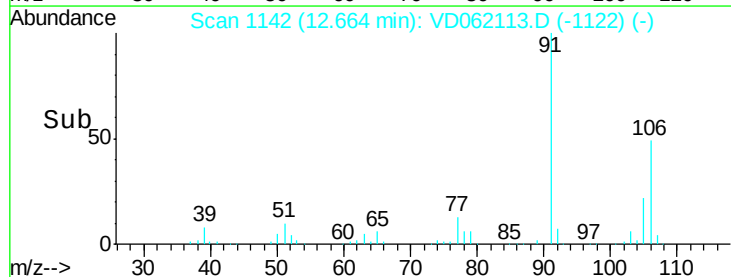
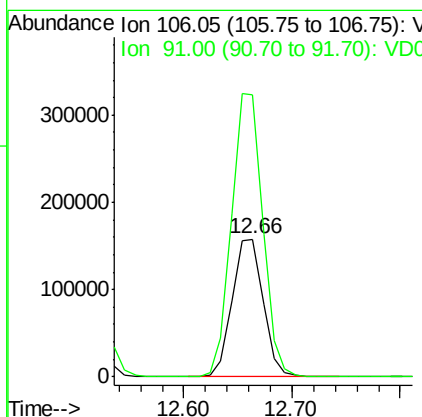
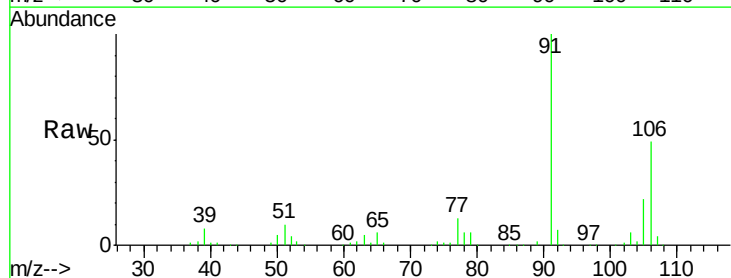
Instrument :
MSVOA_D
ClientSampleId :
VD0502SBSD02

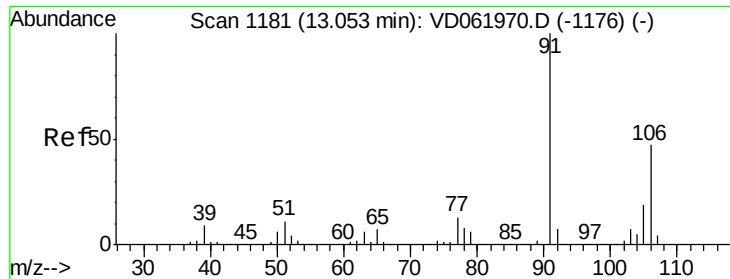
Tot Ion: 91 Resp: 437162
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1



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

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

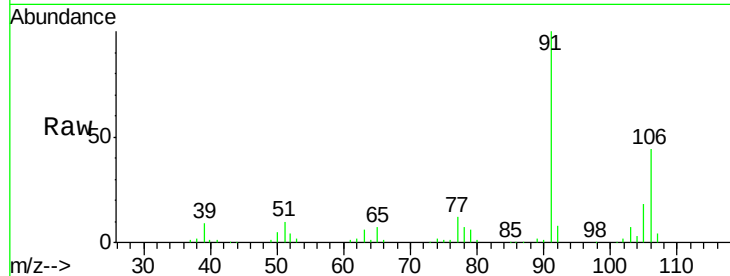




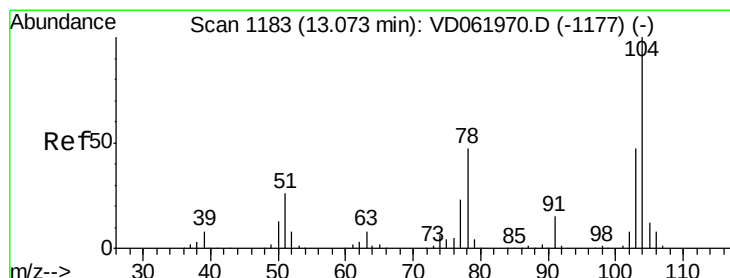
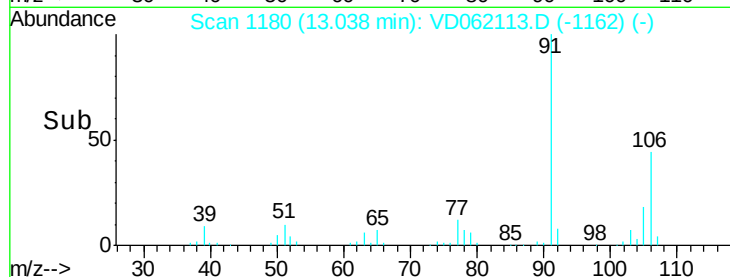
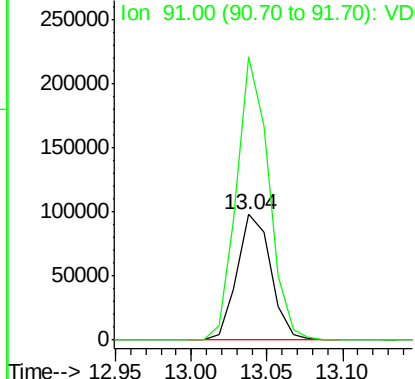
#69
o-Xylene
Concen: 22.649 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0502SBS02

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

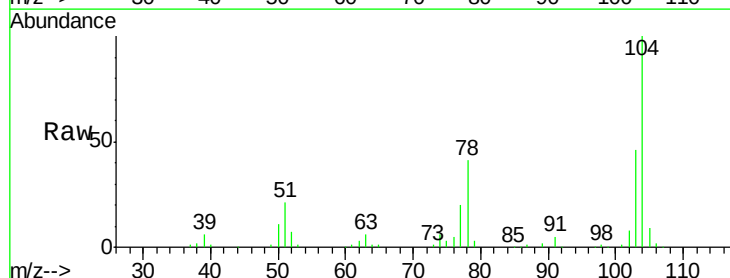


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

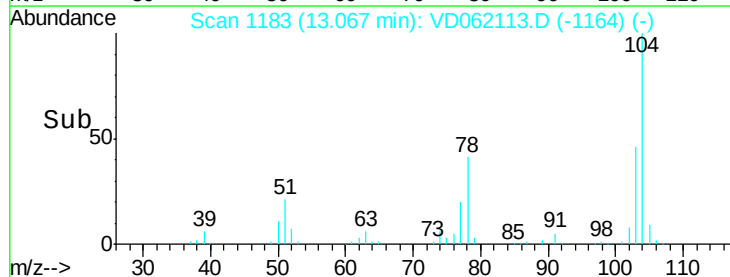
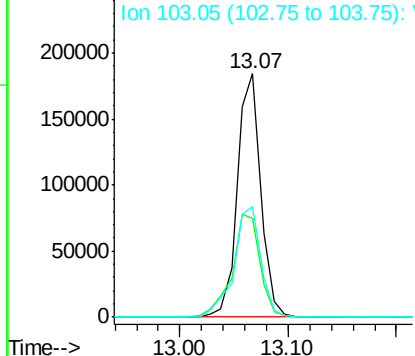


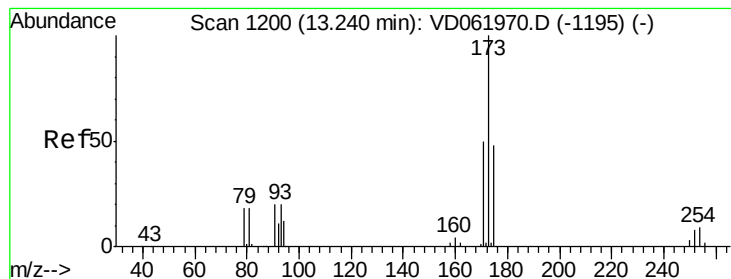
#70
Styrene
Concen: 23.841 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Tgt Ion:104 Resp: 276875
Ion Ratio Lower Upper
104 100
78 40.8 35.4 53.2
103 45.6 37.5 56.3



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





#71

Bromoform

Concen: 21.882 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBSD02

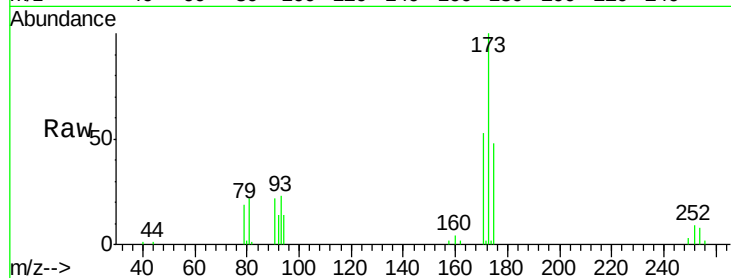
Tot Ion:173 Resp: 65939

Ion Ratio Lower Upper

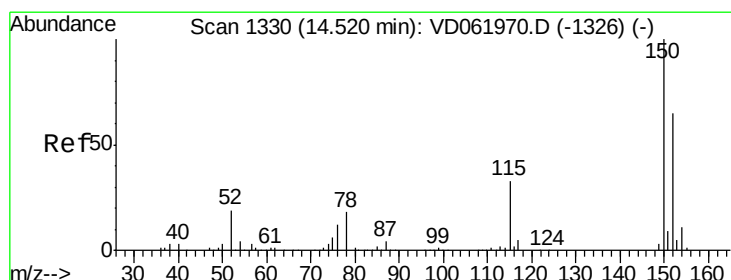
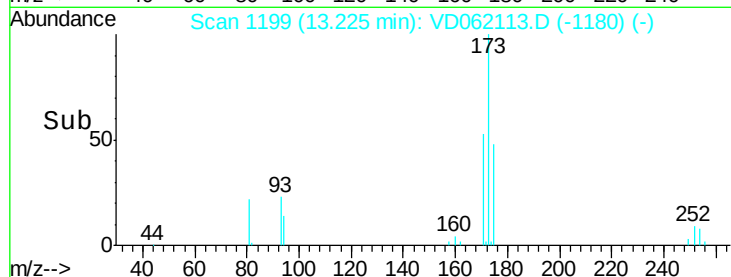
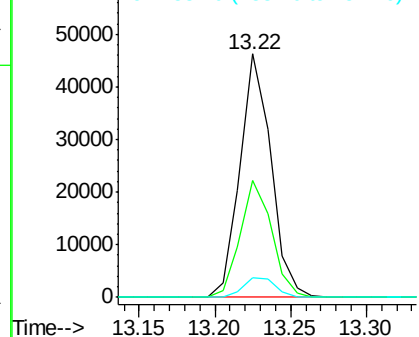
173 100

175 47.9 24.4 73.4

254 8.2 5.4 8.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

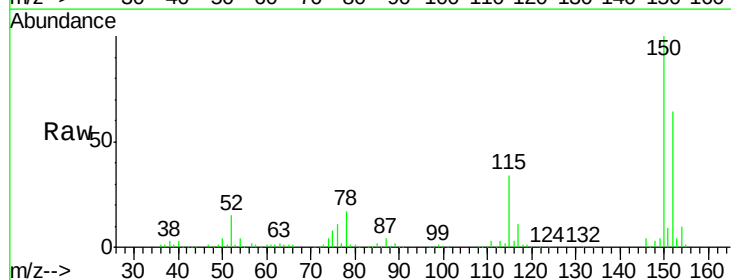
Tgt Ion:152 Resp: 343385

Ion Ratio Lower Upper

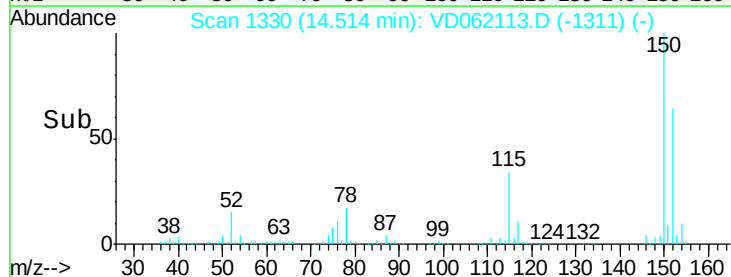
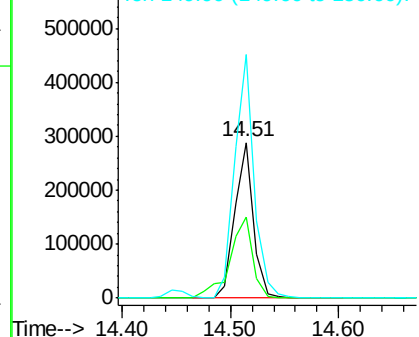
152 100

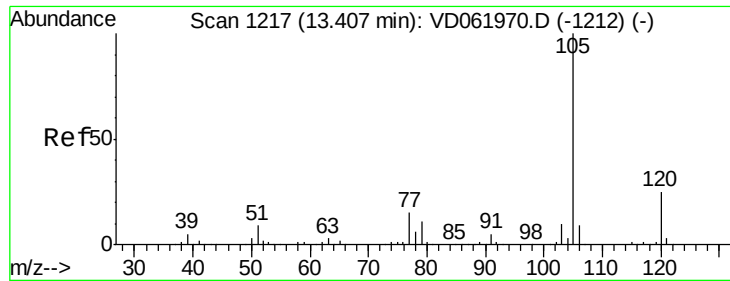
115 52.5 30.9 92.7

150 156.8 0.0 314.8



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





#73

Isopropylbenzene

Concen: 17.273 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

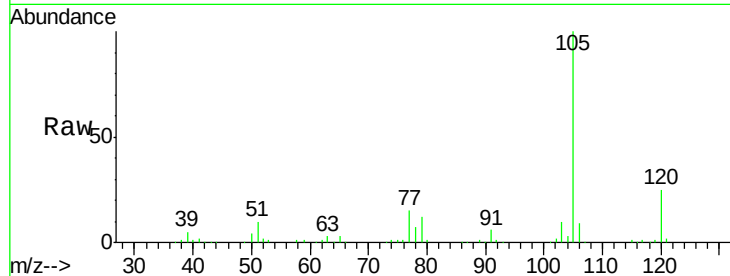
VD0502SBS02

Tot Ion:105 Resp: 395661

Ion Ratio Lower Upper

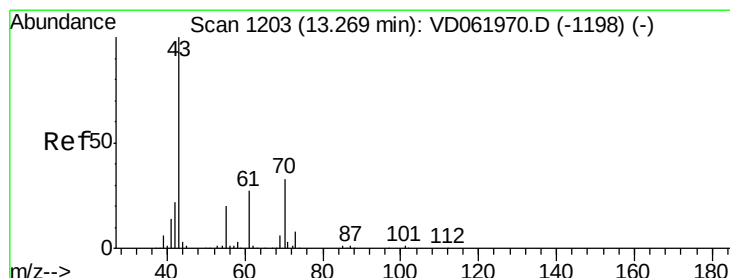
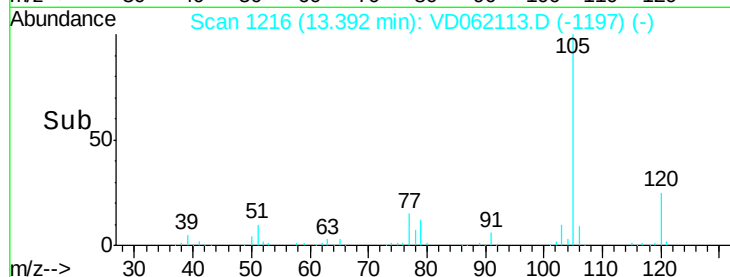
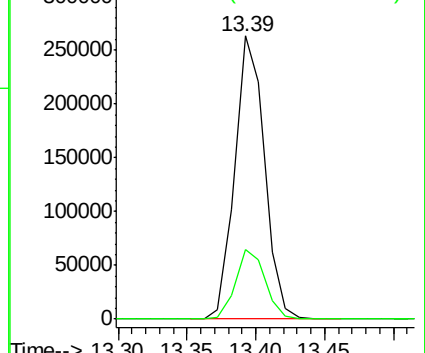
105 100

120 24.6 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.255 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Tgt Ion: 43 Resp: 113586

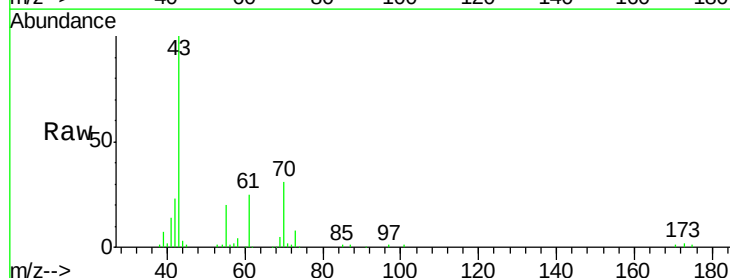
Ion Ratio Lower Upper

43 100

70 30.6 24.2 36.4

55 20.1 16.0 24.0

61 25.3 21.6 32.4

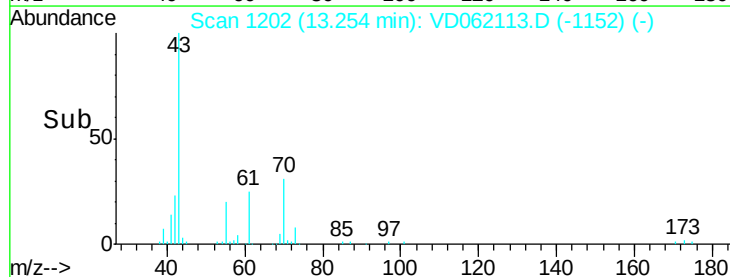
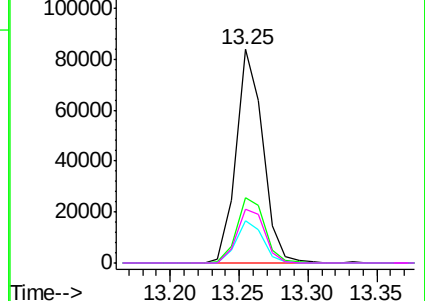


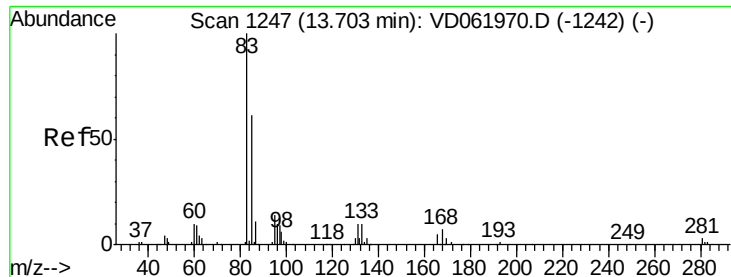
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.970 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

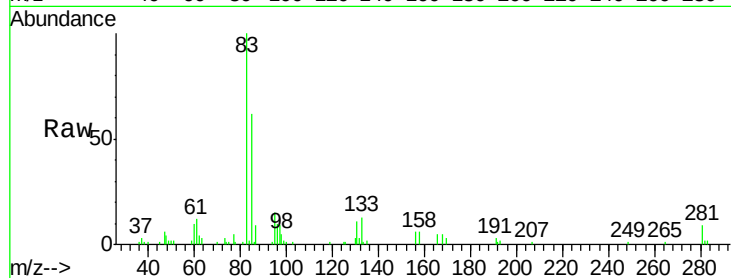
MSVOA_D

ClientSampleId :

VD0502SBSD02

Tot Ion: 83 Resp: 85150

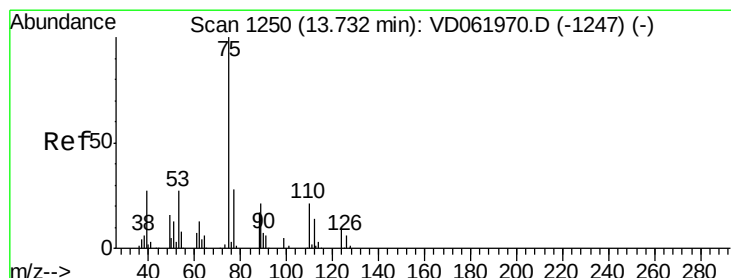
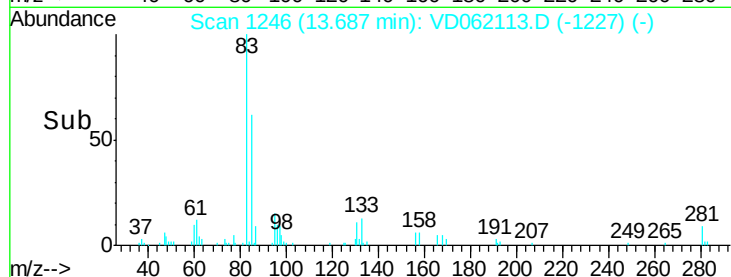
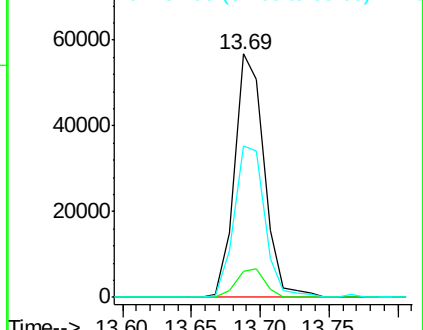
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.0	14.9
85	62.5	32.6	97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.173 ug/l

RT: 13.73 min Scan# 1250

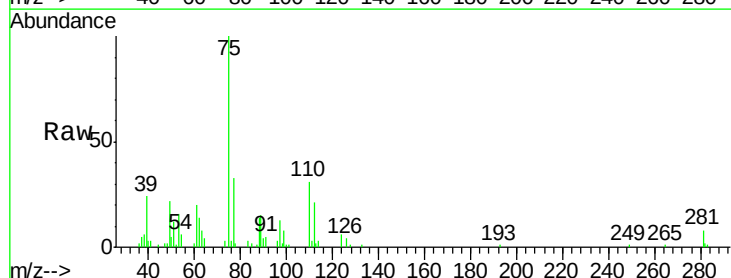
Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

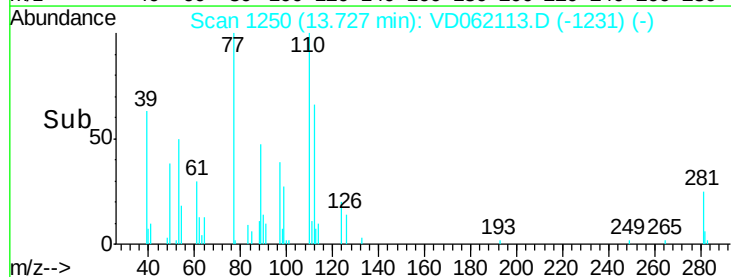
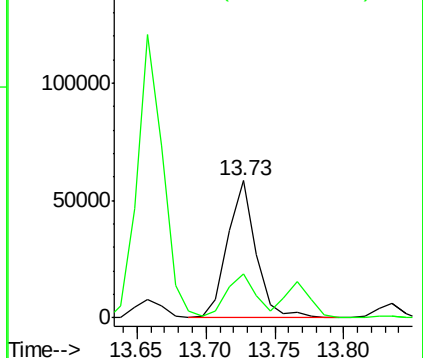
Tgt Ion: 75 Resp: 83602

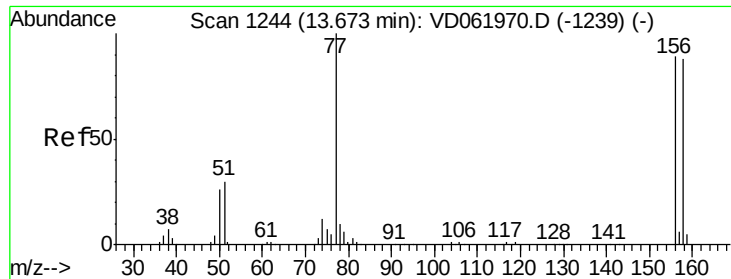
Ion	Ratio	Lower	Upper
75	100		
77	32.5	16.4	49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.222 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBSD02

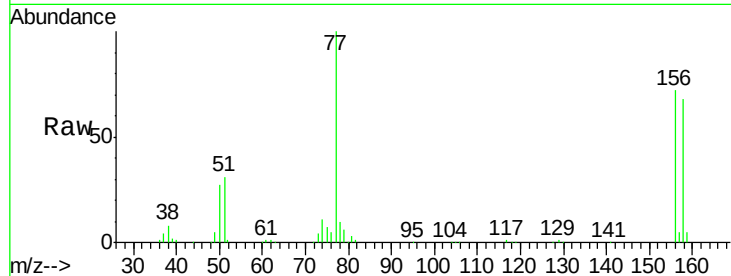
Tot Ion:156 Resp: 126306

Ion Ratio Lower Upper

156 100

77 138.5 53.1 159.4

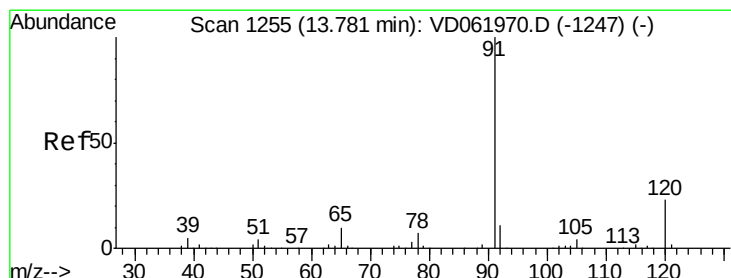
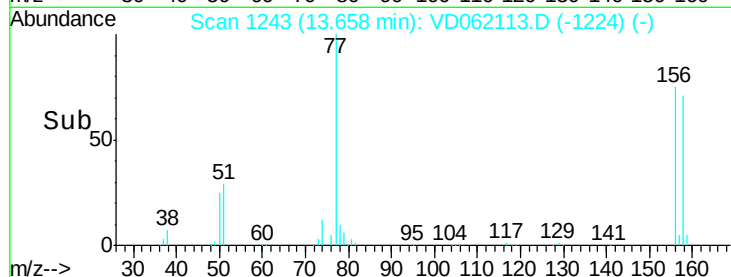
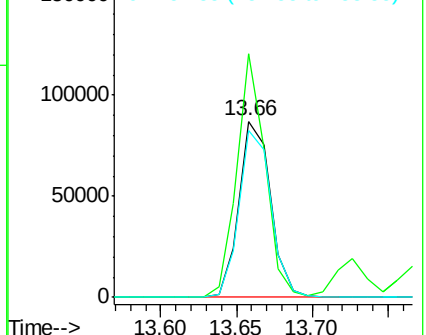
158 94.7 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.916 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062113.D

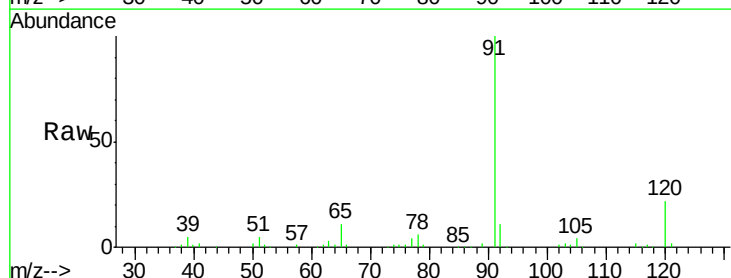
Acq: 2 May 2019 16:03

Tgt Ion: 91 Resp: 522230

Ion Ratio Lower Upper

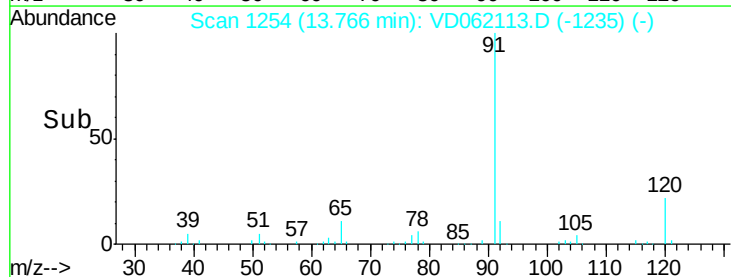
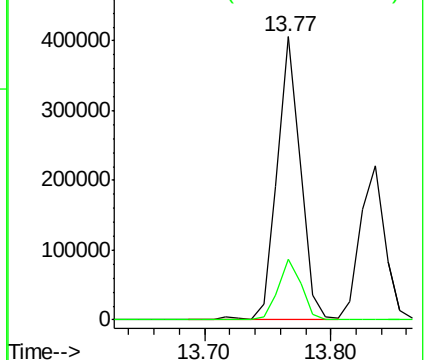
91 100

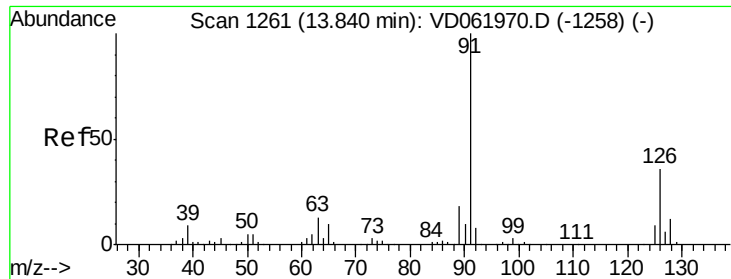
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 18.811 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

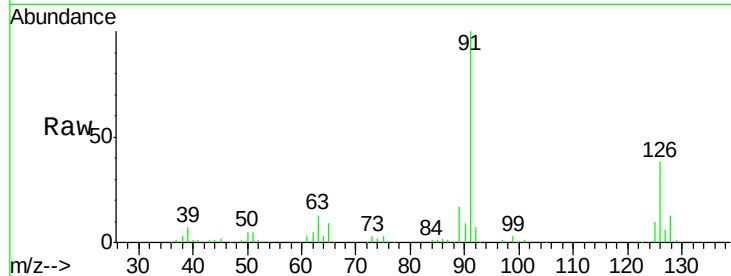
VD0502SBSD02

Tot Ion: 91 Resp: 298779

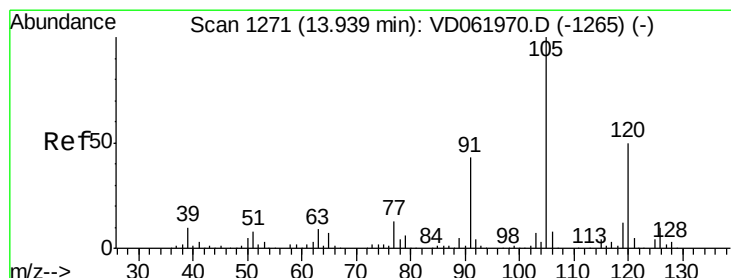
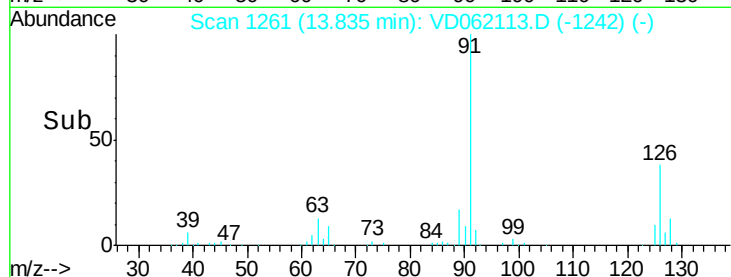
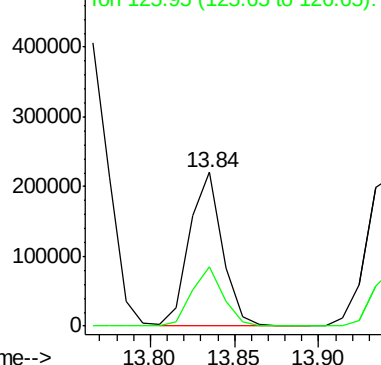
Ion Ratio Lower Upper

91 100

126 38.3 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 19.009 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD062113.D

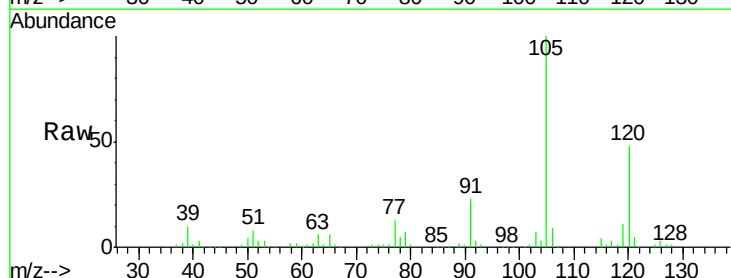
Acq: 2 May 2019 16:03

Tgt Ion: 105 Resp: 347197

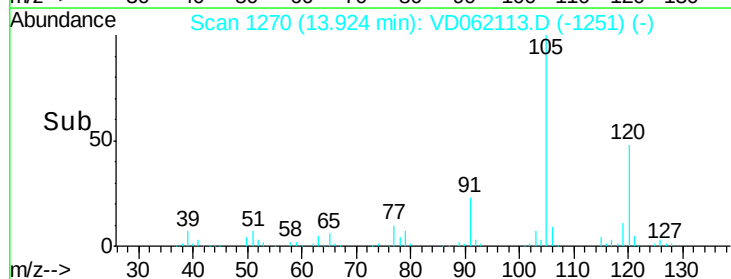
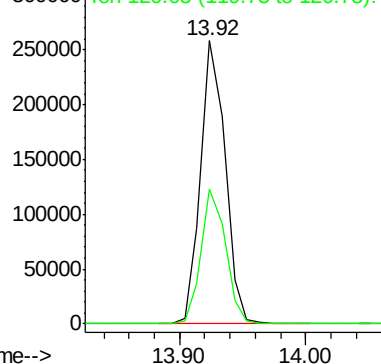
Ion Ratio Lower Upper

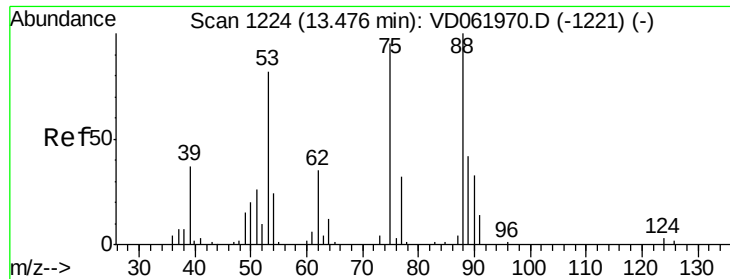
105 100

120 47.7 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

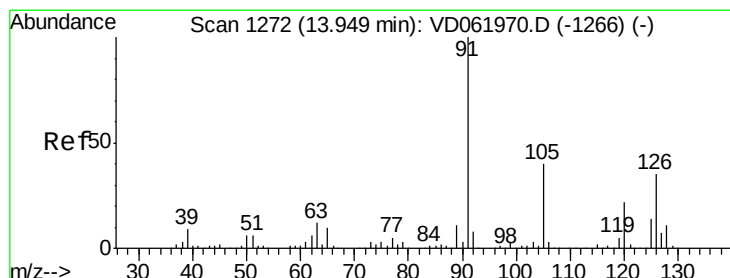
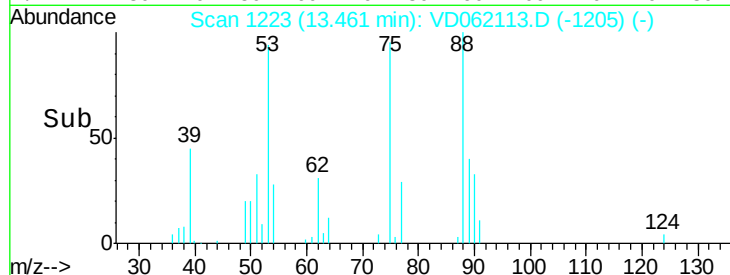
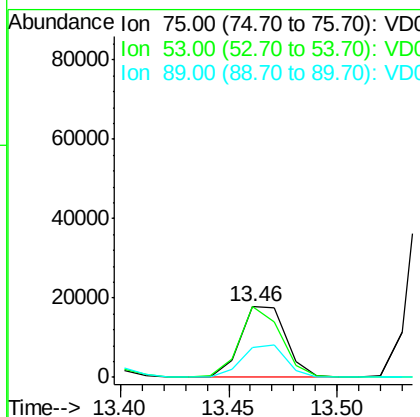
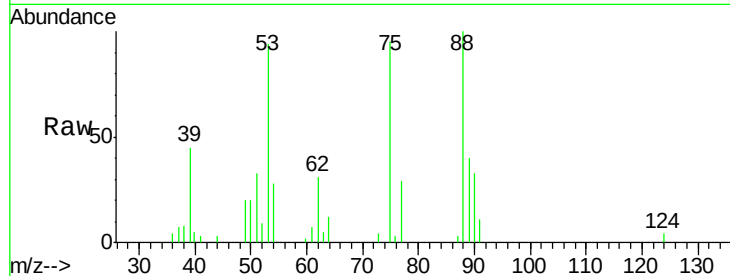




#81
trans-1,4-Dichloro-2-butene
Concen: 19.814 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.02 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

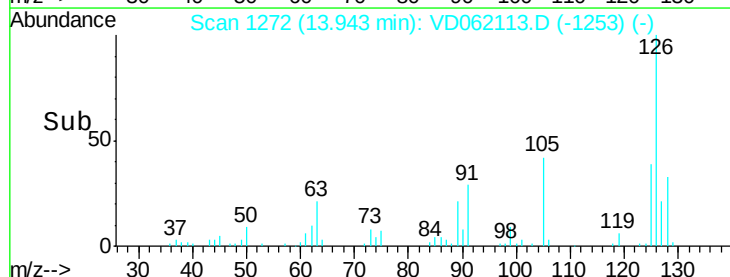
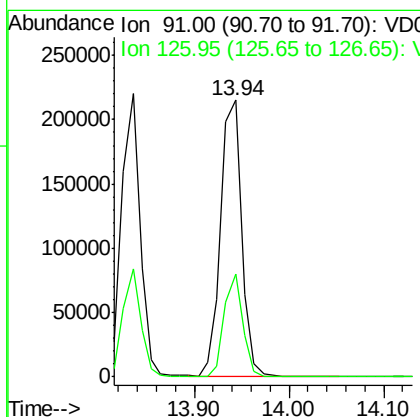
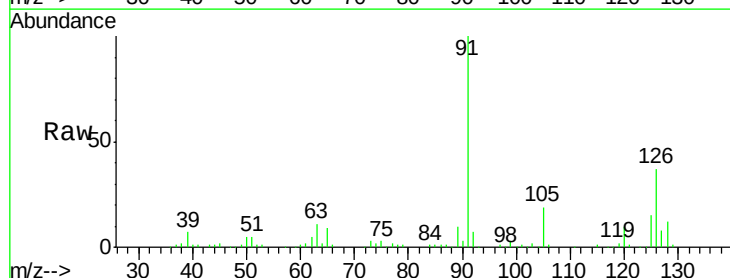
Instrument :
MSVOA_D
ClientSampleId :
VD0502SBSD02

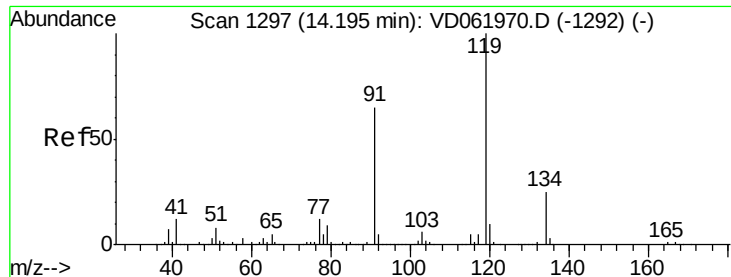
Tot Ion: 75 Resp: 26182
Ion Ratio Lower Upper
75 100
53 99.4 65.8 98.8#
89 41.8 35.0 52.6



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

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

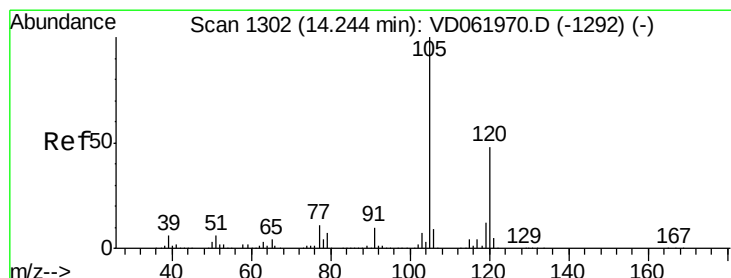
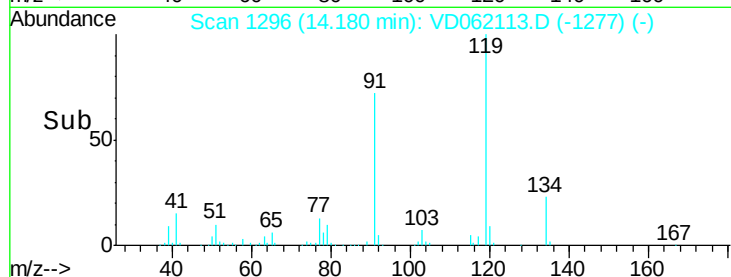
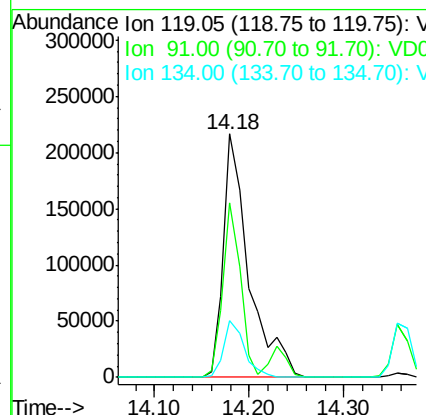
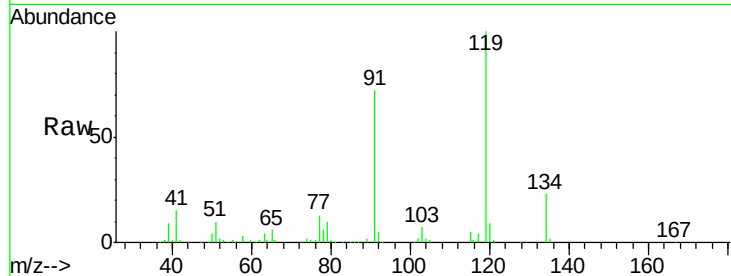




#83
 tert-Butylbenzene
 Concen: 19.197 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

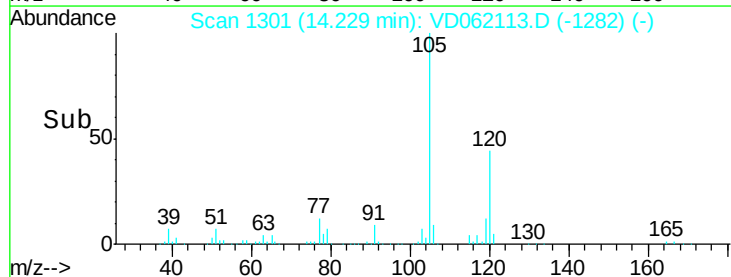
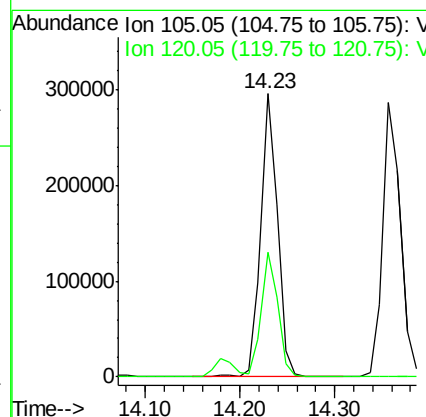
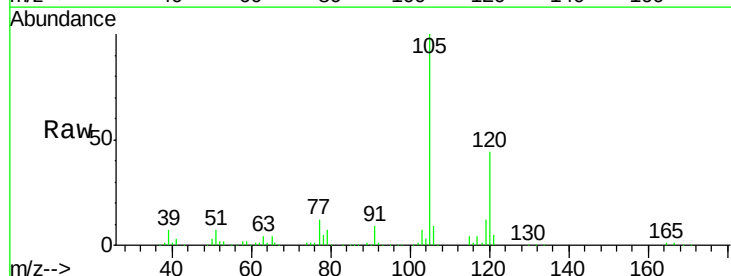
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBSD02

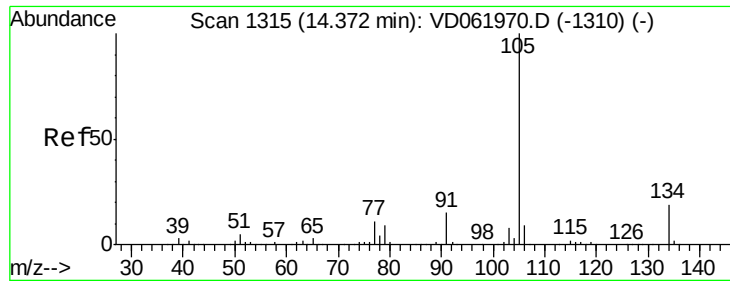
Tot Ion:119 Resp: 406170
 Ion Ratio Lower Upper
 119 100
 91 71.8 34.2 102.6
 134 23.5 12.0 36.0



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

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





#85

sec-Butylbenzene

Concen: 16.572 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

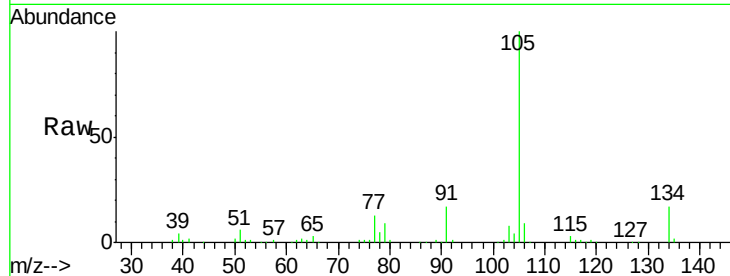
VD0502SBSD02

Tot Ion:105 Resp: 378860

Ion Ratio Lower Upper

105 100

134 16.7 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.36

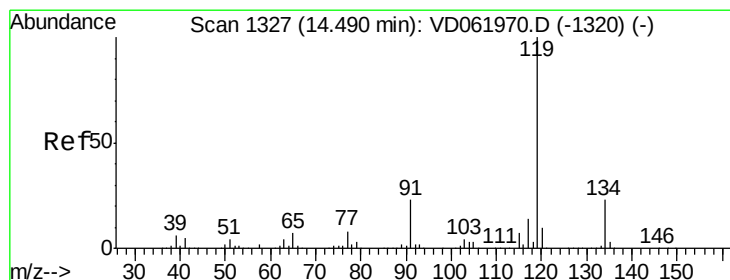
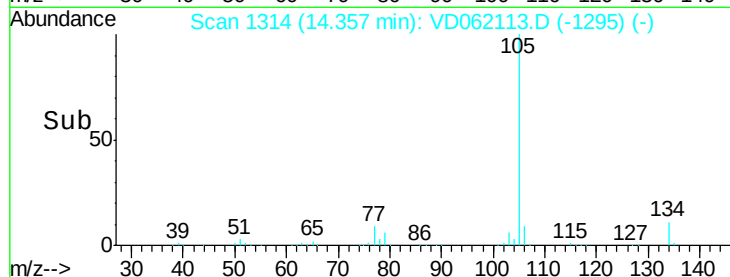
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.383 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

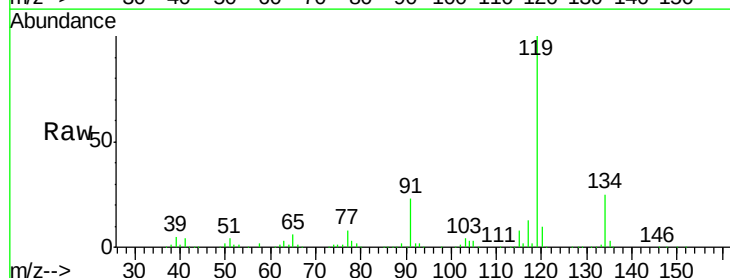
Tgt Ion:119 Resp: 396591

Ion Ratio Lower Upper

119 100

134 25.0 12.8 38.3

91 22.9 10.7 32.1



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

14.48

400000

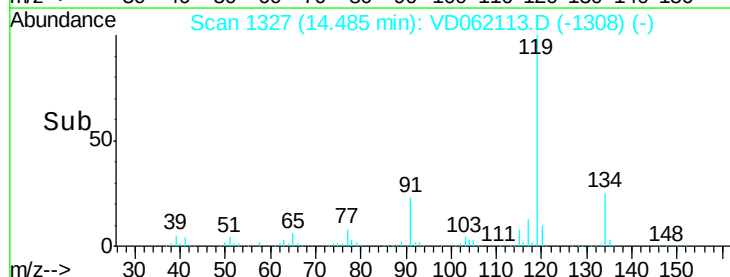
300000

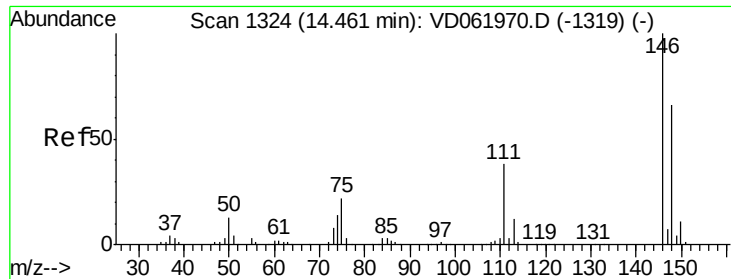
200000

100000

0

Time-->

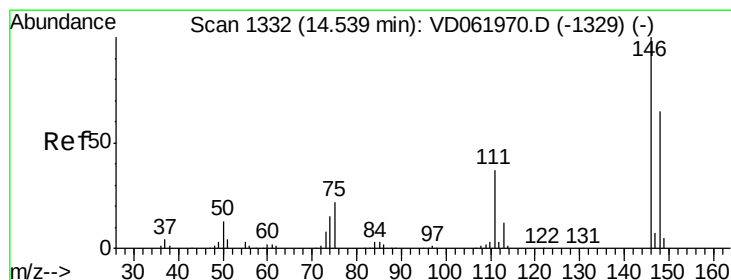
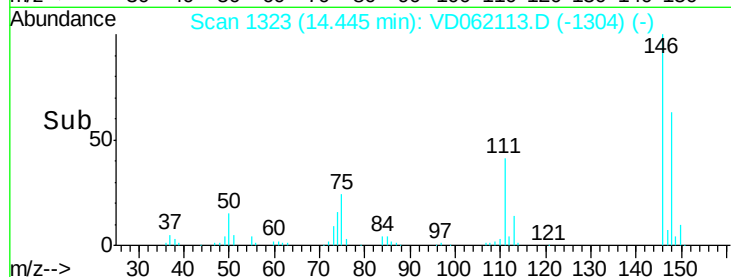
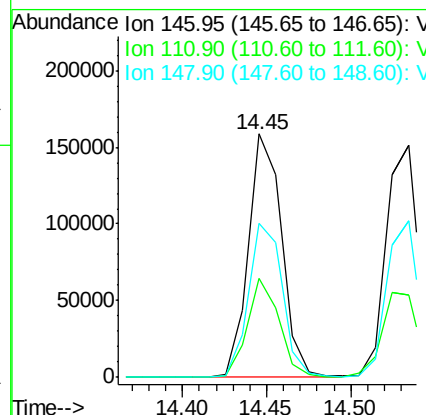
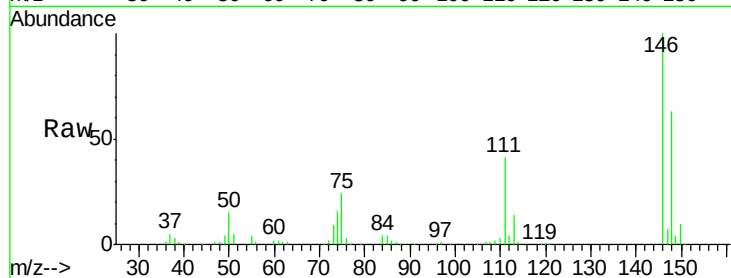




#87
 1,3-Dichlorobenzene
 Concen: 18.900 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

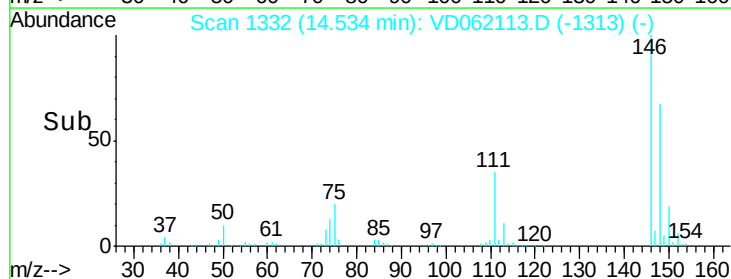
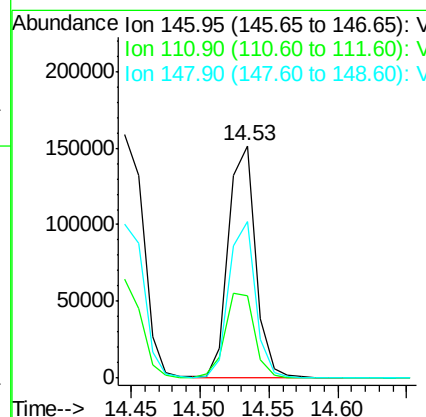
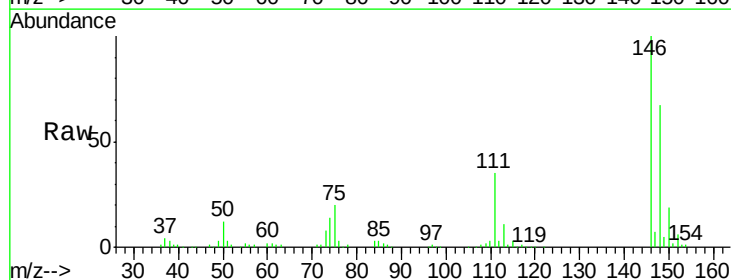
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBSD02

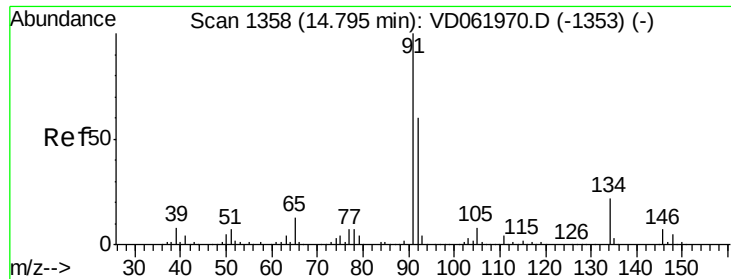
Tot Ion:146 Resp: 217483
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.0 60.0
 148 63.4 31.8 95.4



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

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





#89

n-Butylbenzene

Concen: 18.927 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD062113.D

Acq: 2 May 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

VD0502SBS02

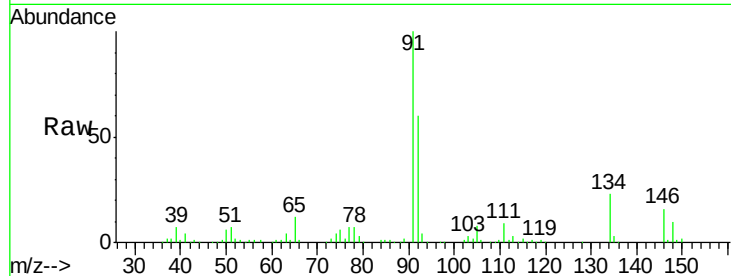
Tot Ion: 91 Resp: 347667

Ion Ratio Lower Upper

91 100

92 59.6 30.3 91.0

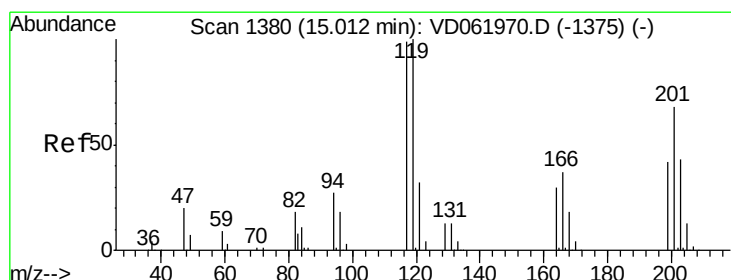
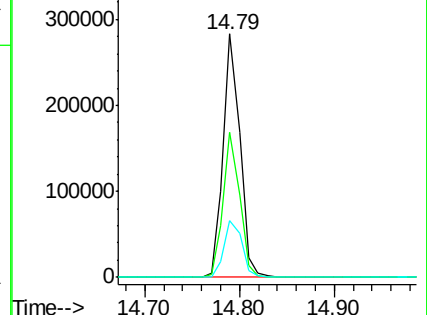
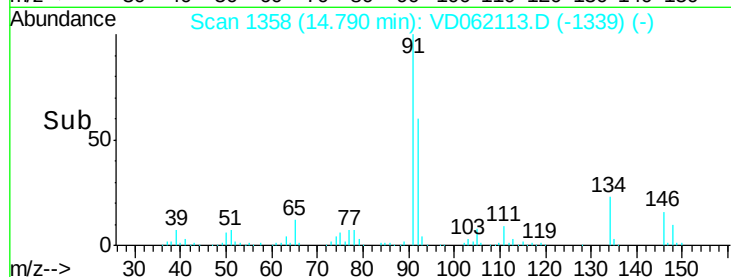
134 23.3 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.527 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD062113.D

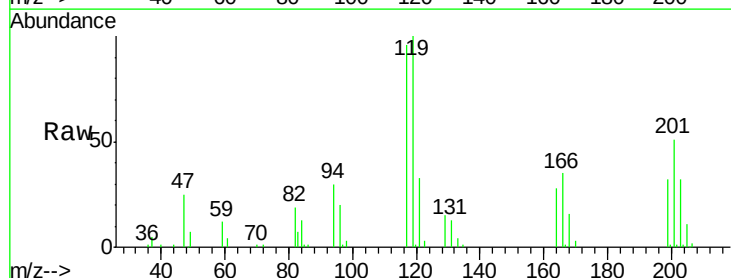
Acq: 2 May 2019 16:03

Tgt Ion: 117 Resp: 108035

Ion Ratio Lower Upper

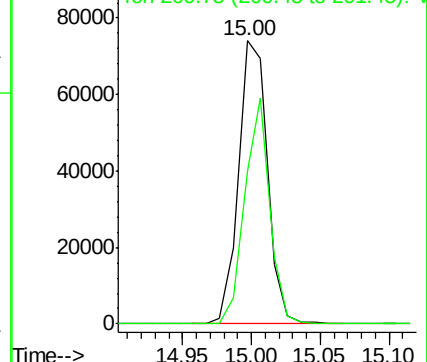
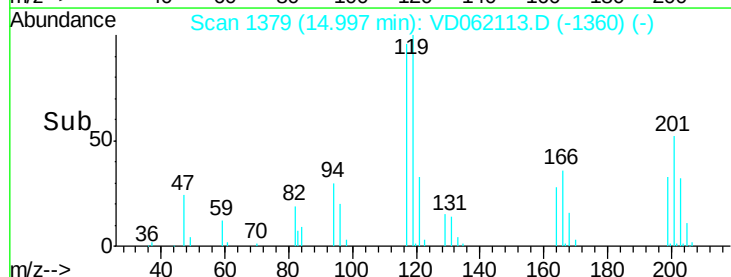
117 100

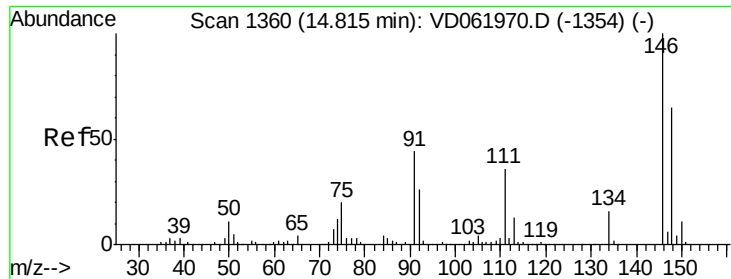
201 53.8 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

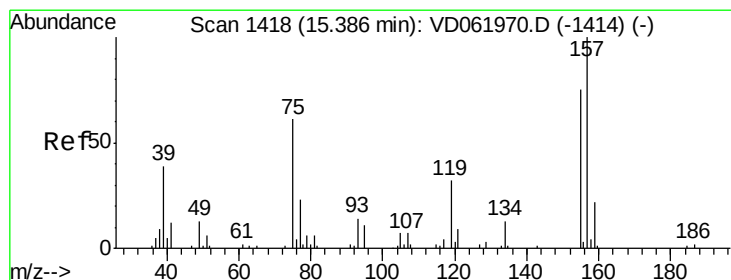
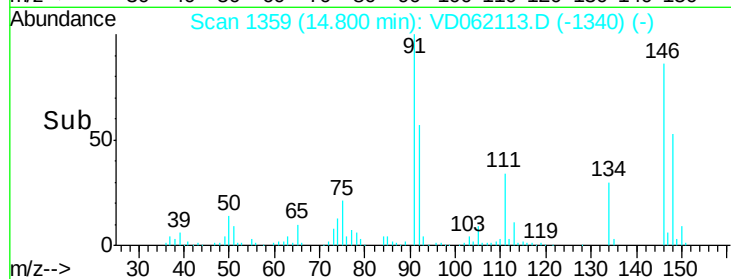
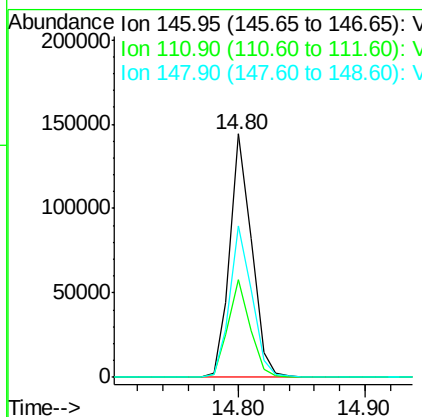
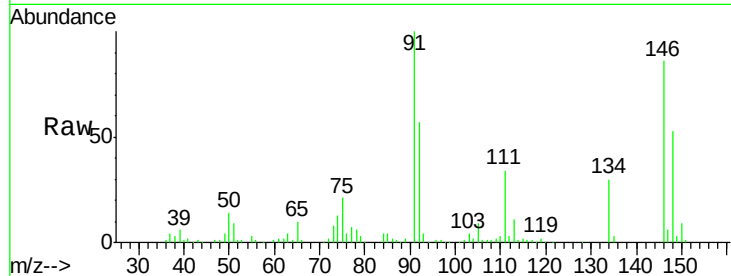




#91
 1,2-Dichlorobenzene
 Concen: 18.204 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

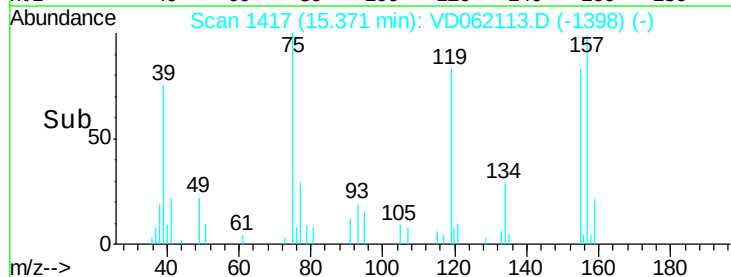
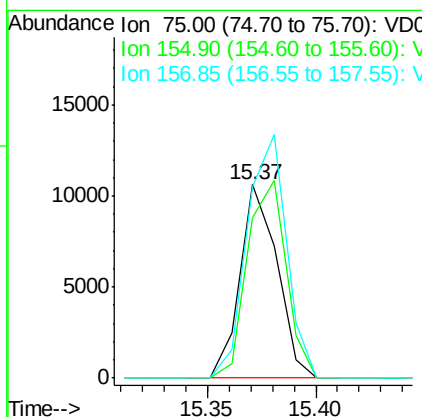
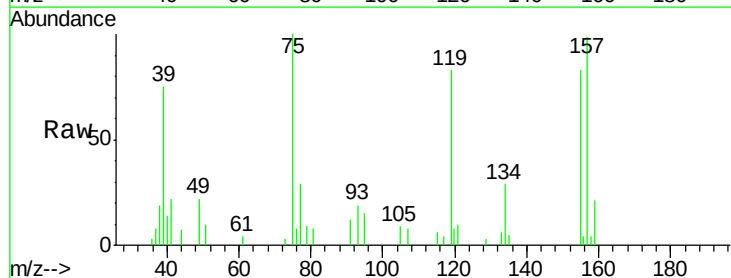
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBSD02

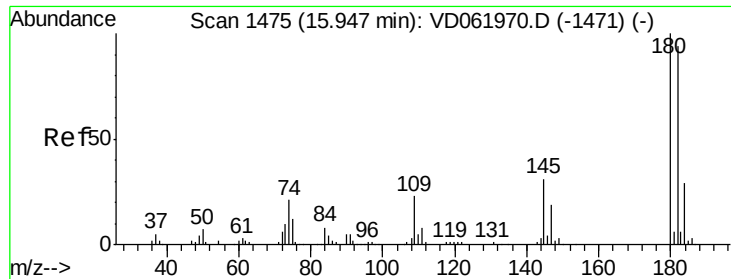
Tot Ion:146 Resp: 172797
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 62.0 32.3 96.8



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

Tgt Ion: 75 Resp: 12625
 Ion Ratio Lower Upper
 75 100
 155 83.0 55.3 165.8
 157 98.8 67.8 203.2

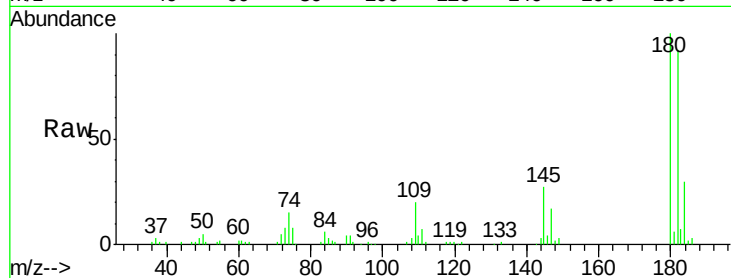




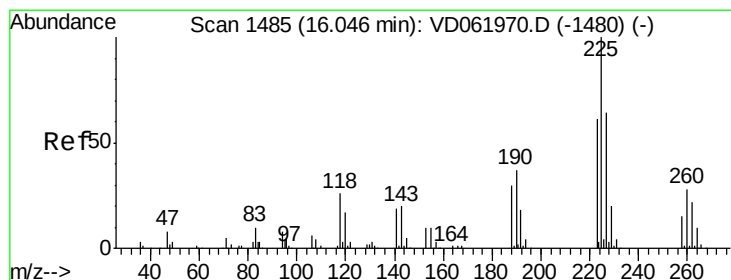
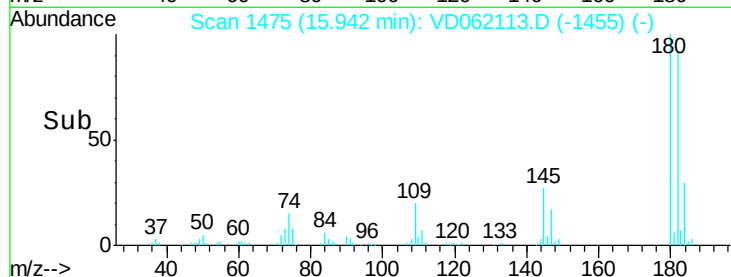
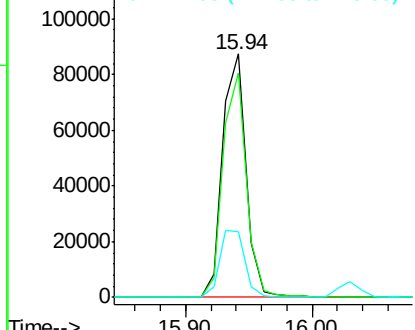
#93
 1,2,4-Trichlorobenzene
 Concen: 21.979 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0502SBS02

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

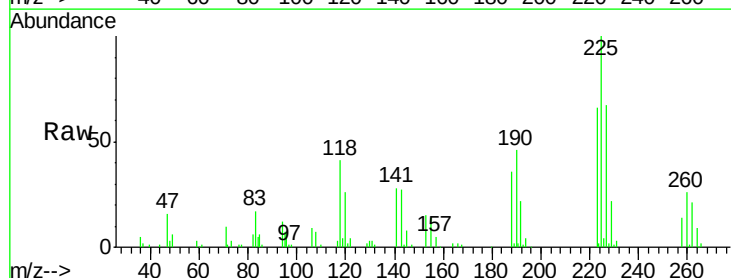


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

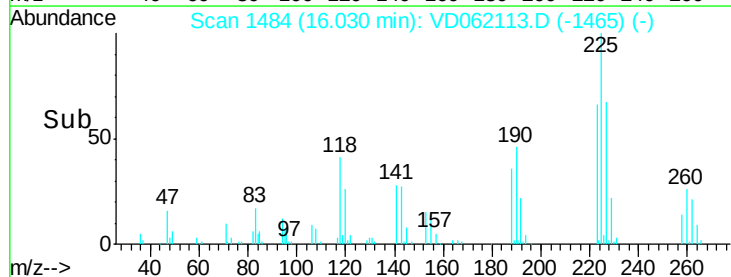
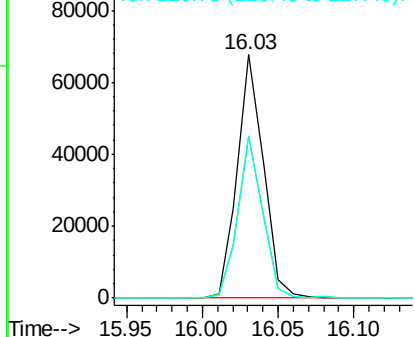


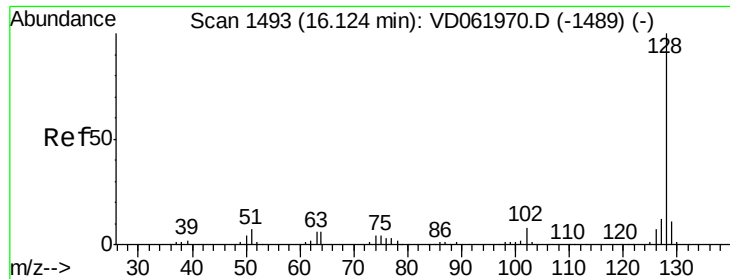
#94
 Hexachlorobutadiene
 Concen: 21.399 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: VD062113.D
 Acq: 2 May 2019 16:03

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



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

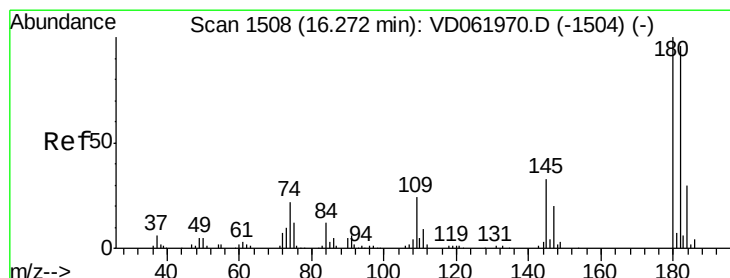
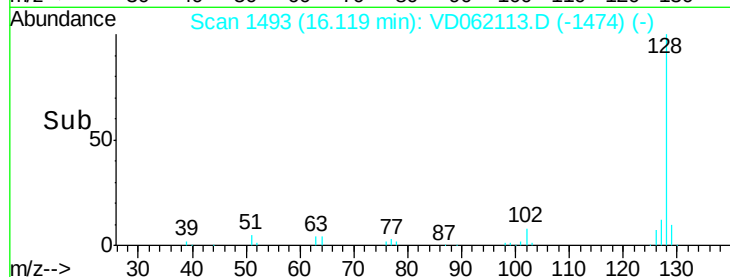
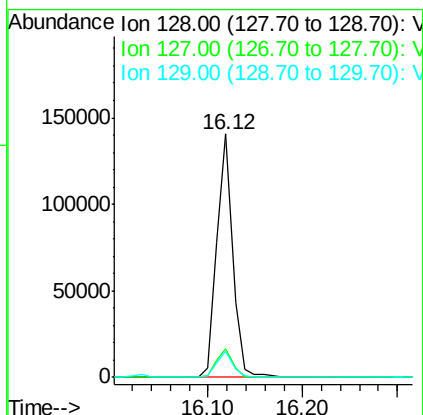
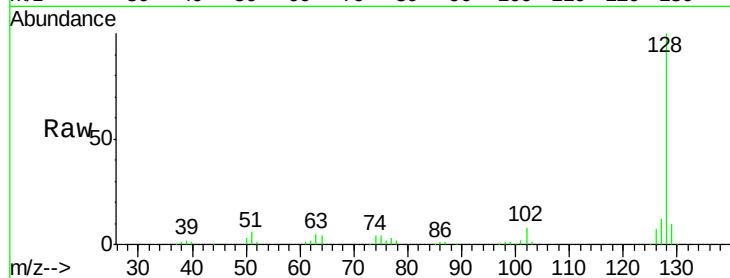




#95
Naphthalene
Concen: 19.917 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VD062113.D
Acq: 2 May 2019 16:03

Instrument :
MSVOA_D
ClientSampleId :
VD0502SBSD02

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



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

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

