

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
 Data File : VD062209.D
 Acq On : 10 May 2019 12:17
 Operator : FY/SY
 Sample : VD0510SBSD01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD01

Quant Time: May 10 23:31:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	747535	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1076322	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	853893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	446158	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	374454	53.90	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.80%	
35) Dibromofluoromethane	6.92	113	472821	52.95	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	10.41	98	1095666	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	13.55	95	482375	55.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	134317	18.787	ug/l	97
3) Chloromethane	1.75	50	85651	16.580	ug/l	91
4) Vinyl Chloride	1.84	62	88936	17.517	ug/l	95
5) Bromomethane	2.14	94	25296	21.263	ug/l	95
6) Chloroethane	2.25	64	40355	18.942	ug/l	93
7) Trichlorofluoromethane	2.52	101	181544	18.392	ug/l	97
8) Diethyl Ether	2.87	74	32843	17.253	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.13	101	141172	18.907	ug/l	96
10) Methyl Iodide	3.30	142	168867	14.964	ug/l	97
11) Tert butyl alcohol	4.08	59	31753	89.545	ug/l #	95
12) 1,1-Dichloroethene	3.12	96	95811	16.809	ug/l	97
13) Acrolein	3.03	56	30840	84.086	ug/l	99
14) Allyl chloride	3.61	41	152701	18.425	ug/l	86
15) Acrylonitrile	4.20	53	93644	100.470	ug/l	96
16) Acetone	3.22	43	154329	105.934	ug/l #	88
17) Carbon Disulfide	3.36	76	274612	16.748	ug/l	98
18) Methyl Acetate	3.64	43	49430	18.782	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	240528	19.688	ug/l	96
20) Methylene Chloride	3.80	84	139416	22.919	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	121049	19.085	ug/l	93
22) Diisopropyl ether	5.11	45	336981	19.108	ug/l	96
23) Vinyl Acetate	5.04	43	953946	102.522	ug/l	97
24) 1,1-Dichloroethane	4.97	63	212831	20.005	ug/l	98
25) 2-Butanone	6.07	43	157385	99.042	ug/l	97
26) 2,2-Dichloropropane	6.02	77	205157	19.359	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	124748	17.572	ug/l	98
28) Bromochloromethane	6.43	49	98245	23.471	ug/l	92
29) Tetrahydrofuran	6.45	42	69083	94.353	ug/l	99
30) Chloroform	6.66	83	250045	19.502	ug/l	98
31) Cyclohexane	6.94	56	123864	16.994	ug/l	97
32) 1,1,1-Trichloroethane	6.86	97	246960	20.378	ug/l	94
36) 1,1-Dichloropropene	7.14	75	168250	19.065	ug/l	98
37) Ethyl Acetate	6.17	43	68501	18.304	ug/l #	90
38) Carbon Tetrachloride	7.10	117	243894	19.968	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	149760	17.712	ug/l	95
40) Benzene	7.45	78	354921	17.811	ug/l	98
41) Methacrylonitrile	6.45	41	92035	20.124	ug/l #	86
42) 1,2-Dichloroethane	7.57	62	159718	18.917	ug/l	96
43) Isopropyl Acetate	9.23	43	91640	17.266	ug/l	100
44) Trichloroethene	8.54	130	140708	18.530	ug/l	91
45) 1,2-Dichloropropane	8.93	63	90783	18.418	ug/l	93
46) Dibromomethane	9.06	93	74639	18.621	ug/l	92
47) Bromodichloromethane	9.37	83	180501	18.410	ug/l	99
48) Methyl methacrylate	9.12	41	61779	18.897	ug/l #	83
49) 1,4-Dioxane	9.08	88	12587	356.832	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	338584	99.238	ug/l	92
52) Toluene	10.50	92	250863	19.348	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	152729	18.024	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	167284	18.096	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	90650	19.760	ug/l	95
56) Ethyl methacrylate	11.04	69	83710	17.560	ug/l #	88
57) 1,3-Dichloropropane	11.40	76	127114	18.341	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	244287	93.813	ug/l	99
59) 2-Hexanone	11.53	43	252644	100.469	ug/l	93
60) Dibromochloromethane	11.69	129	150834	19.025	ug/l	97
61) 1,2-Dibromoethane	11.80	107	99691	17.874	ug/l	94
64) Tetrachloroethene	11.25	164	124269	18.611	ug/l	94
65) Chlorobenzene	12.39	112	308856	19.420	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	138897	20.067	ug/l	95
67) Ethyl Benzene	12.52	91	529564	19.889	ug/l	97
68) m/p-Xylenes	12.67	106	388945	40.151	ug/l	95
69) o-Xylene	13.04	106	176796	19.631	ug/l	90
70) Styrene	13.07	104	291819	19.128	ug/l	99
71) Bromoform	13.23	173	95188	19.766	ug/l #	97
73) Isopropylbenzene	13.40	105	543955	20.339	ug/l	96
74) N-amyl acetate	13.26	43	124753	17.792	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	96592	19.078	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	102335	19.300	ug/l	96
77) Bromobenzene	13.66	156	163373	21.822	ug/l	92
78) n-propylbenzene	13.77	91	627318	19.663	ug/l	97
79) 2-Chlorotoluene	13.84	91	360212	19.715	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	453218	20.124	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	25007	16.706	ug/l #	84
82) 4-Chlorotoluene	13.95	91	438423	20.391	ug/l	93
83) tert-Butylbenzene	14.18	119	461441	18.229	ug/l	91
84) 1,2,4-Trimethylbenzene	14.23	105	465111	20.581	ug/l	92
85) sec-Butylbenzene	14.36	105	543010	19.565	ug/l	97
86) p-Isopropyltoluene	14.49	119	460334	18.565	ug/l	94
87) 1,3-Dichlorobenzene	14.45	146	263284	19.251	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	263479	19.607	ug/l	95
89) n-Butylbenzene	14.79	91	461638	20.742	ug/l	95
90) Hexachloroethane	15.00	117	120566	17.880	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	241021	21.399	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	16495	19.847	ug/l	72

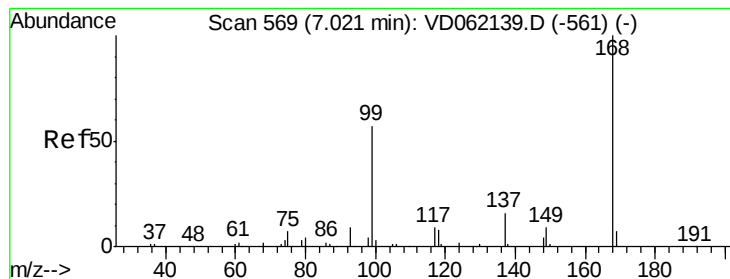
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
Data File : VD062209.D
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Quant Time: May 10 23:31:01 2019
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	184543	22.510	ug/l	95
94) Hexachlorobutadiene	16.03	225	136056	22.313	ug/l	98
95) Naphthalene	16.12	128	250096	21.851	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	146407	28.404	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

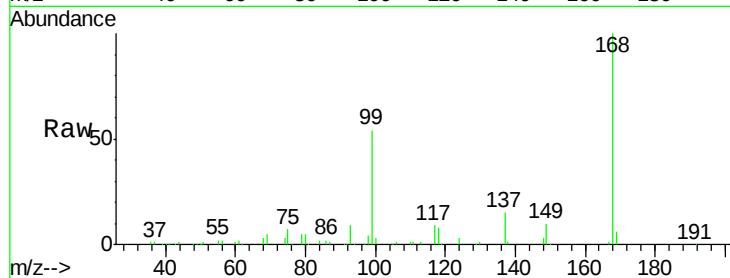
VD0510SBSD01

Tot Ion:168 Resp: 747535

Ion Ratio Lower Upper

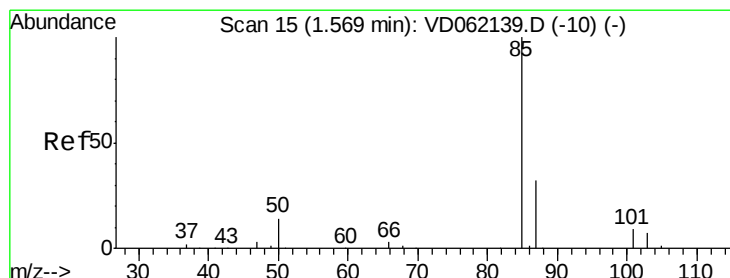
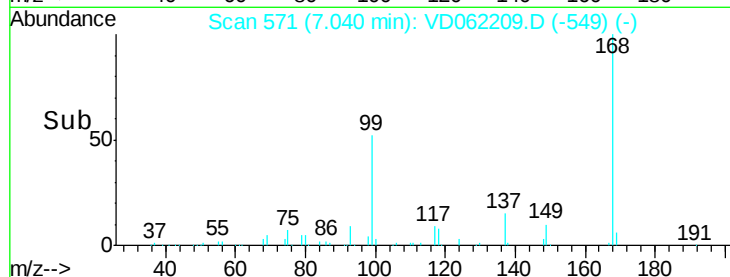
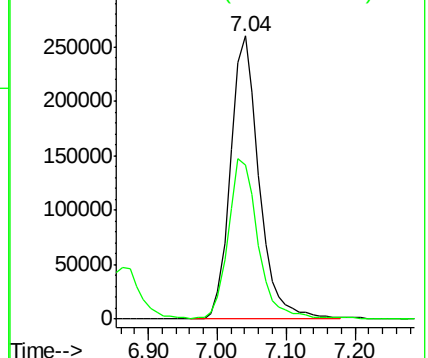
168 100

99 54.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.787 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062209.D

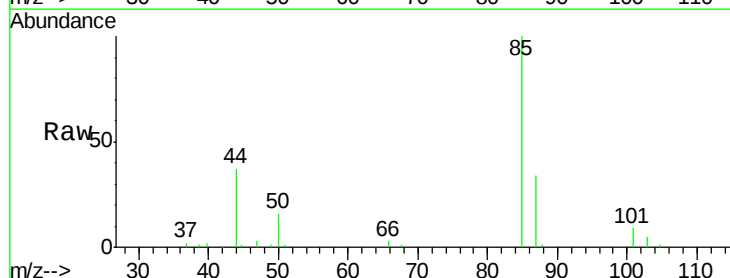
Acq: 10 May 2019 12:17

Tgt Ion: 85 Resp: 134317

Ion Ratio Lower Upper

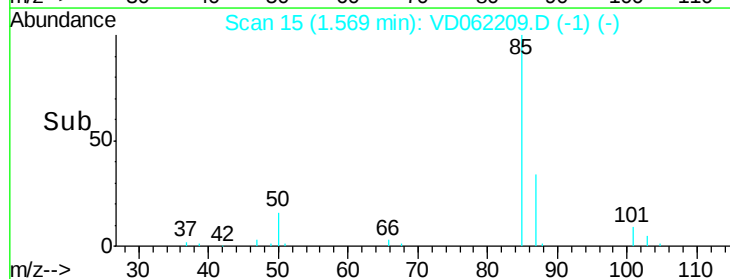
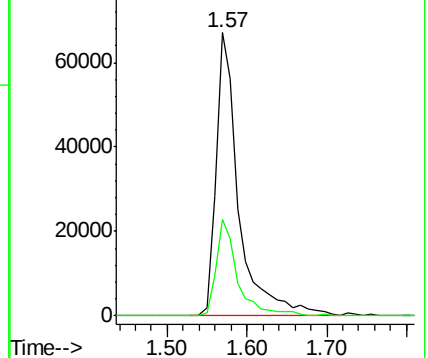
85 100

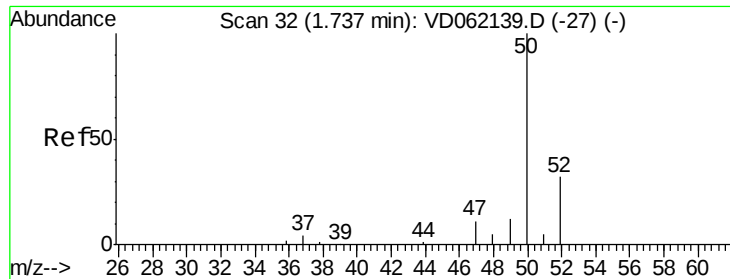
87 34.0 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.580 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

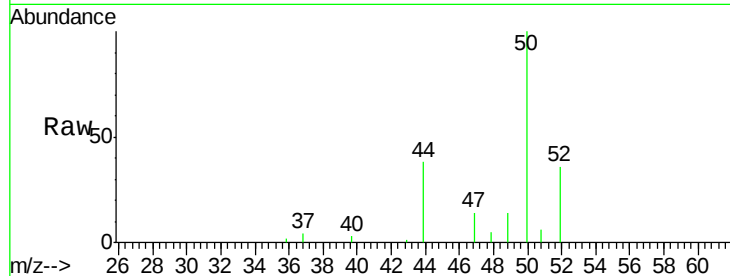
VD0510SBSD01

Tot Ion: 50 Resp: 85651

Ion Ratio Lower Upper

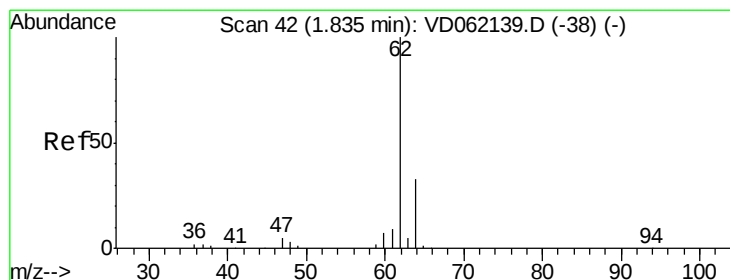
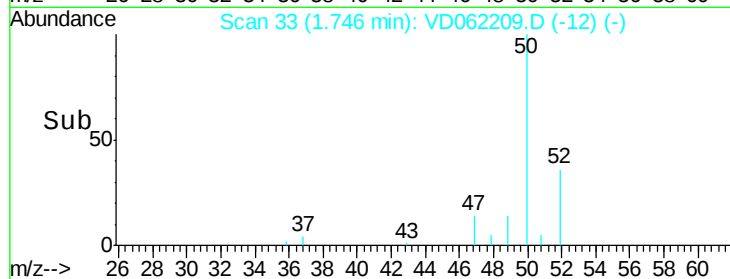
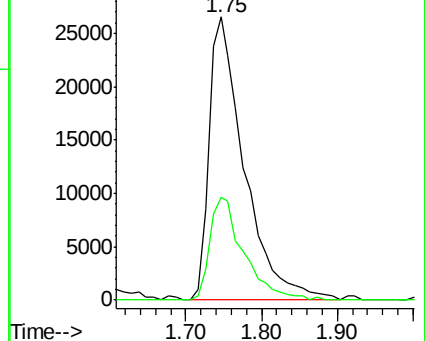
50 100

52 36.4 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: 17.517 ug/l

RT: 1.84 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062209.D

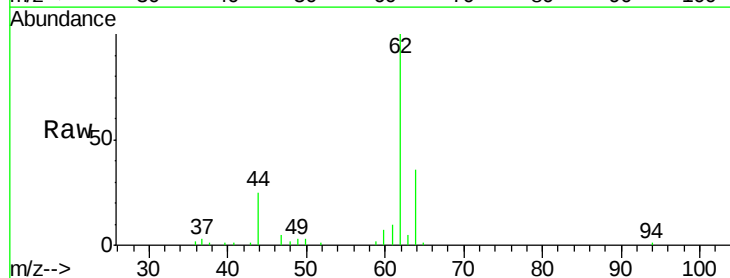
Acq: 10 May 2019 12:17

Tgt Ion: 62 Resp: 88936

Ion Ratio Lower Upper

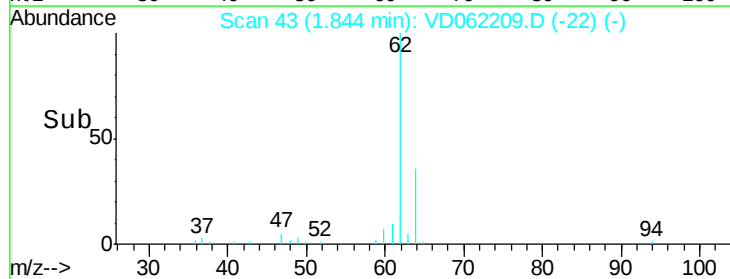
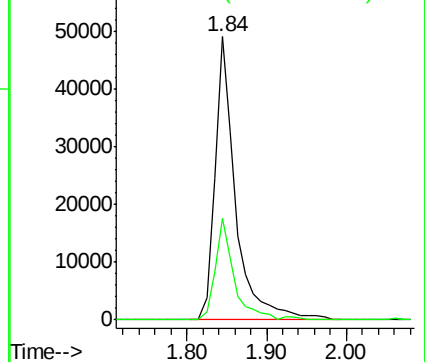
62 100

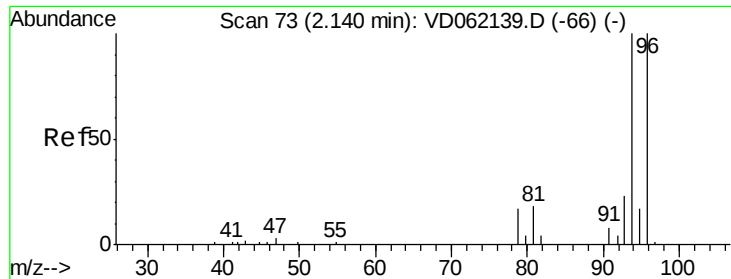
64 35.8 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 21.263 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS01

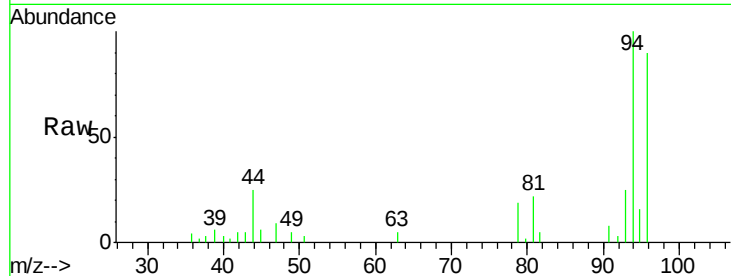
Tot Ion: 94 Resp: 25296

Ion Ratio Lower Upper

94 100

96 90.1 76.6 115.0

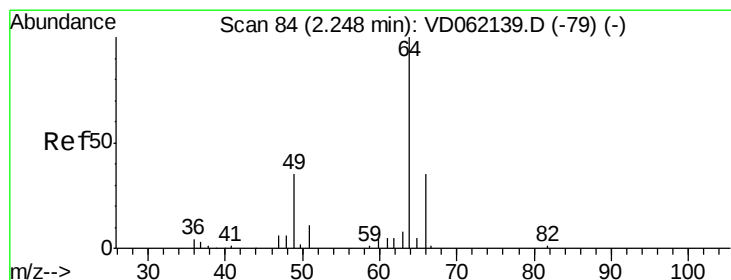
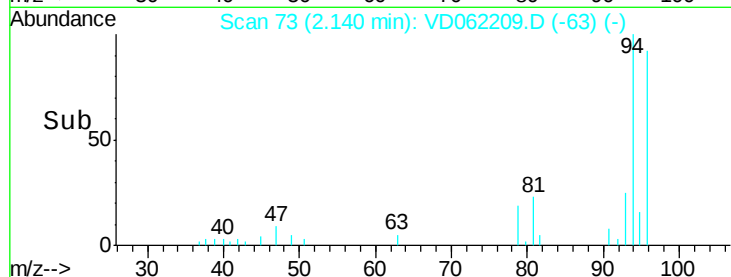
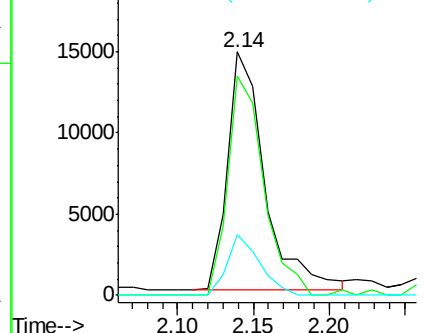
93 24.9 18.5 27.7



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: 18.942 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VD062209.D

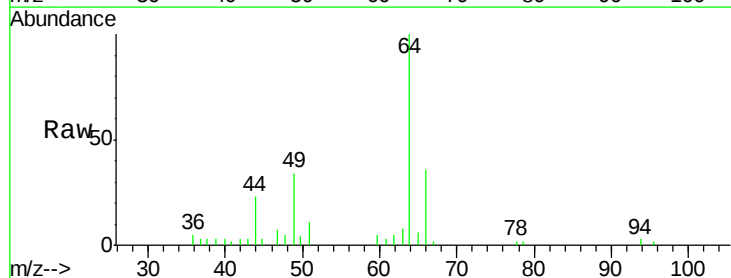
Acq: 10 May 2019 12:17

Tgt Ion: 64 Resp: 40355

Ion Ratio Lower Upper

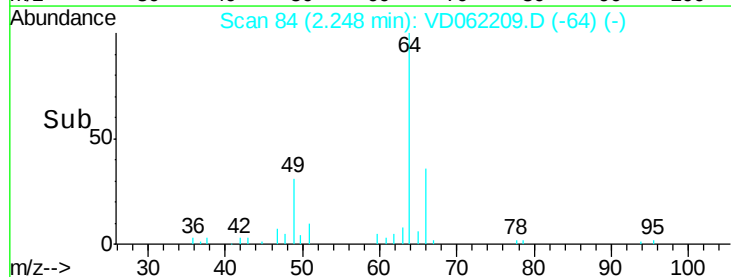
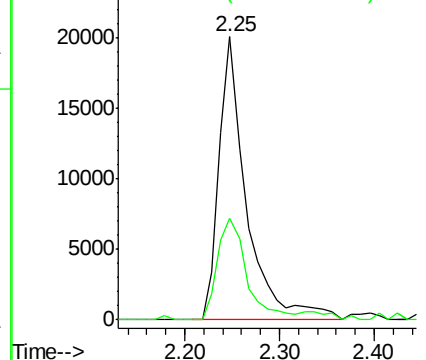
64 100

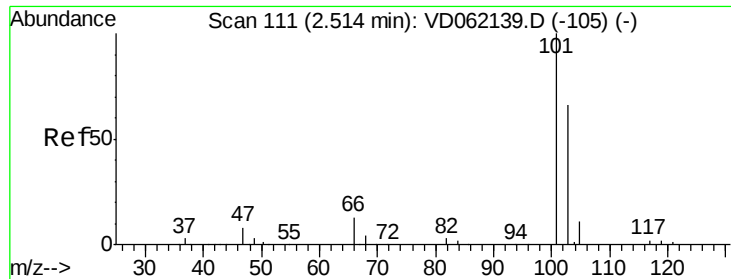
66 35.9 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



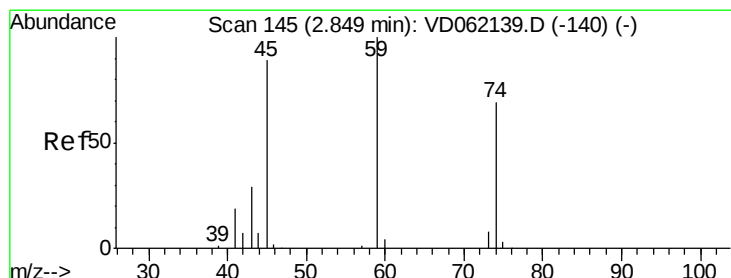
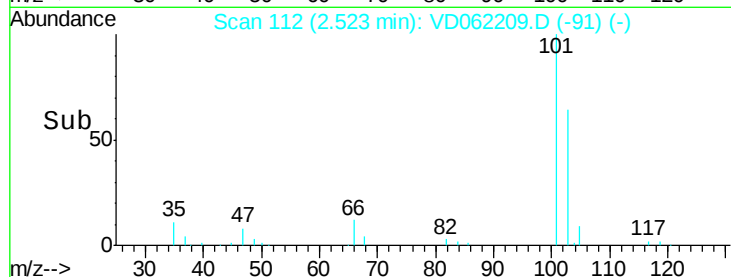
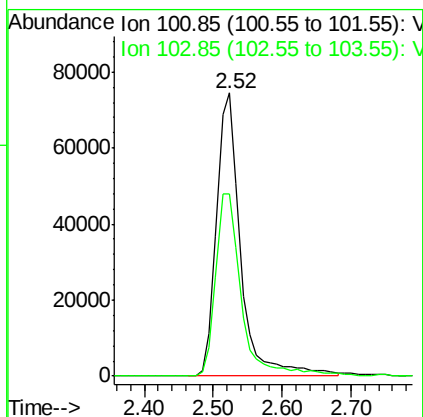
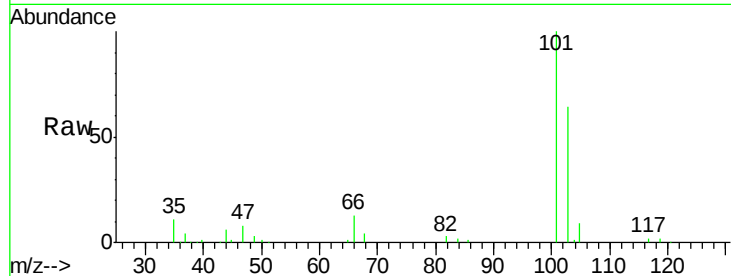


#7

Trichlorofluoromethane
 Concen: 18.392 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Instrument :
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 ClientSampleId :
 VD0510SBSD01

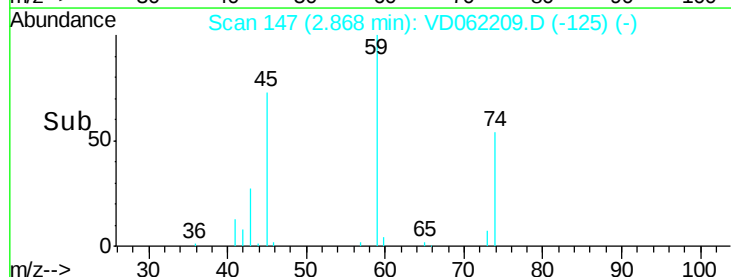
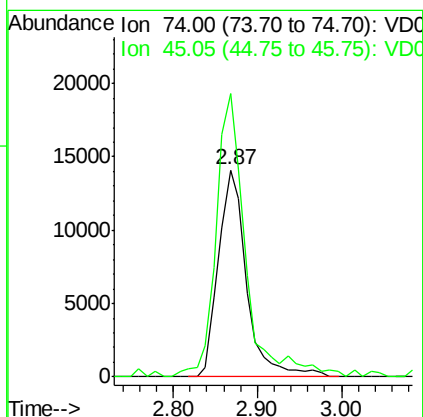
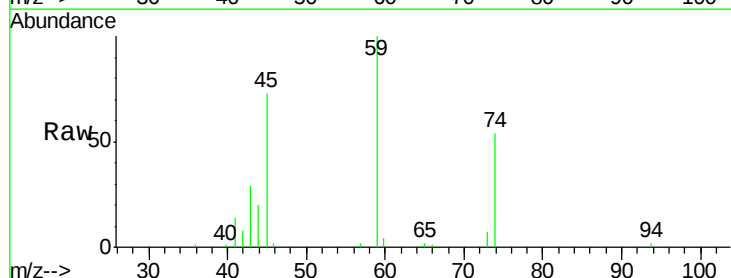
Tot Ion:101 Resp: 181544
 Ion Ratio Lower Upper
 101 100
 103 64.3 53.6 80.4

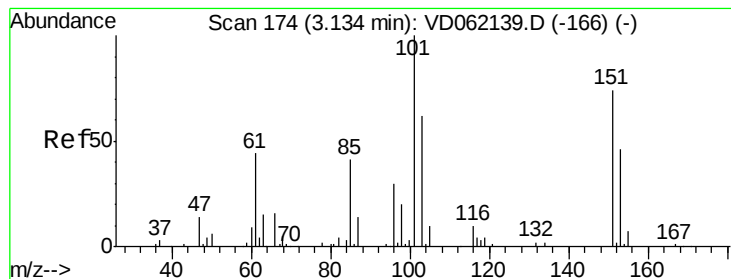


#8

Diethyl Ether
 Concen: 17.253 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.02 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Tgt Ion: 74 Resp: 32843
 Ion Ratio Lower Upper
 74 100
 45 140.7 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.907 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.00 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBSD01

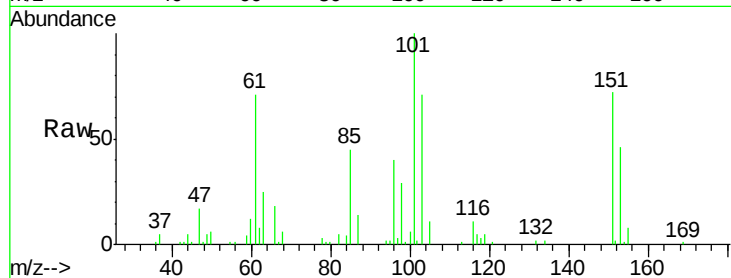
Tot Ion:101 Resp: 141172

Ion Ratio Lower Upper

101 100

85 45.5 32.4 48.6

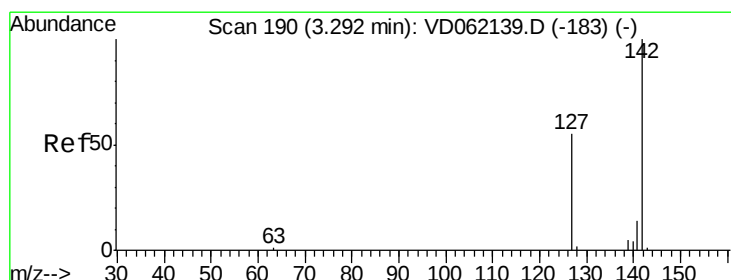
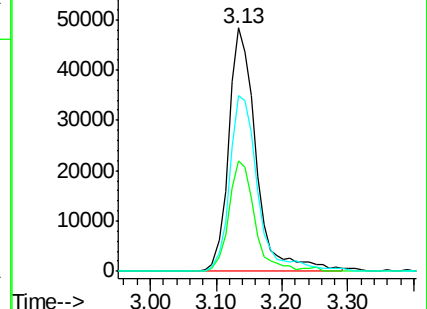
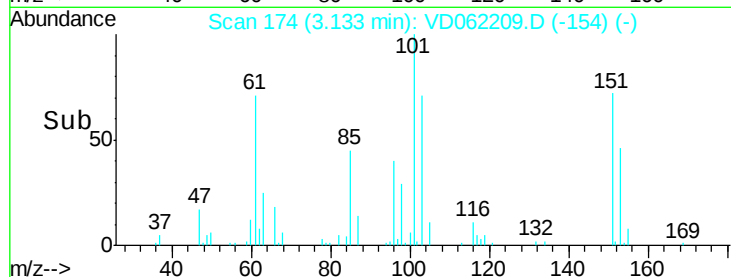
151 72.1 59.4 89.0



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: 14.964 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

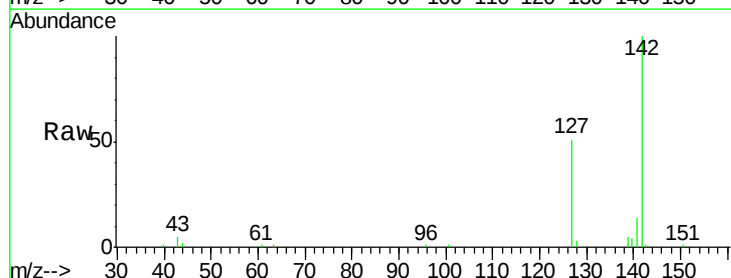
Tgt Ion:142 Resp: 168867

Ion Ratio Lower Upper

142 100

127 51.0 38.8 58.2

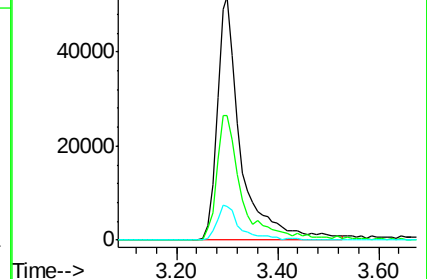
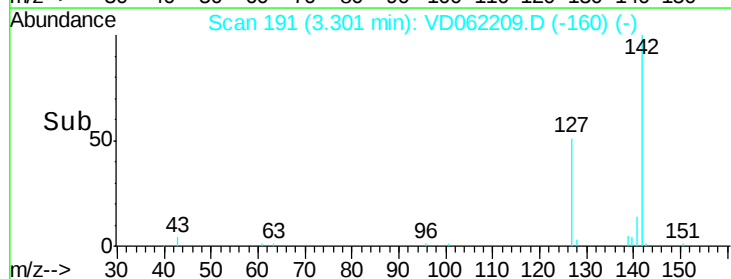
141 14.1 11.4 17.0



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

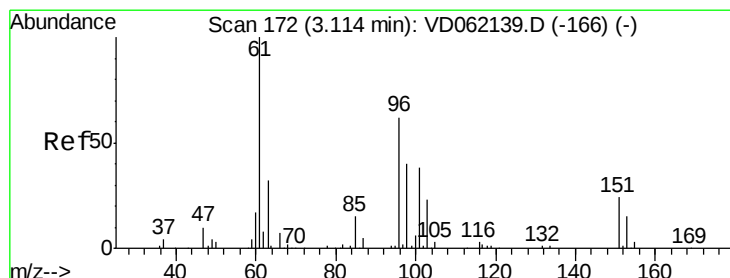
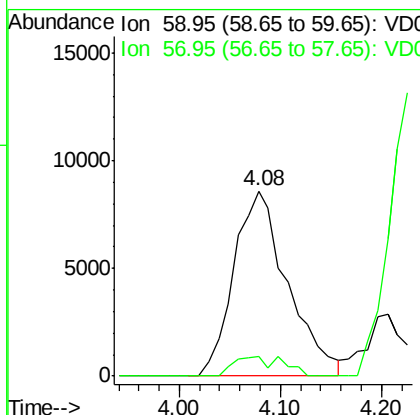
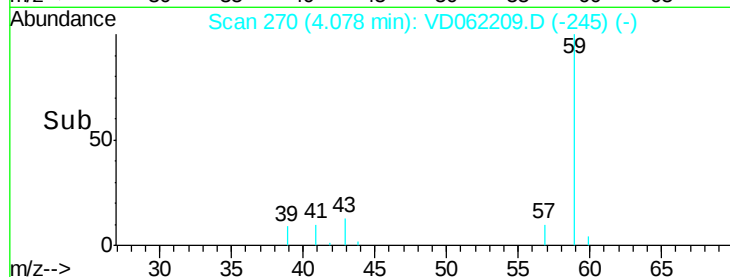
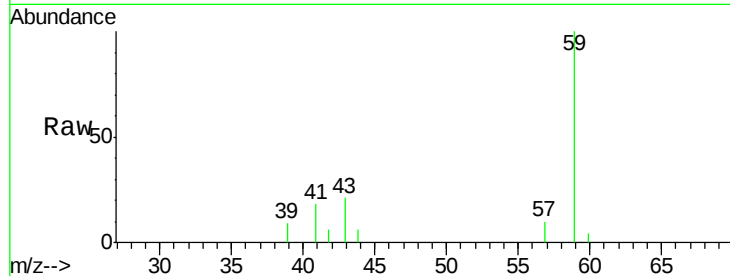




#11
Tert butyl alcohol
Concen: 89.545 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.05 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

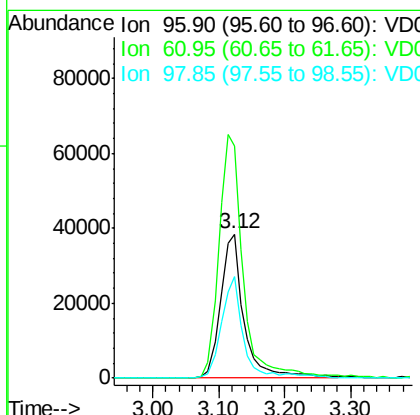
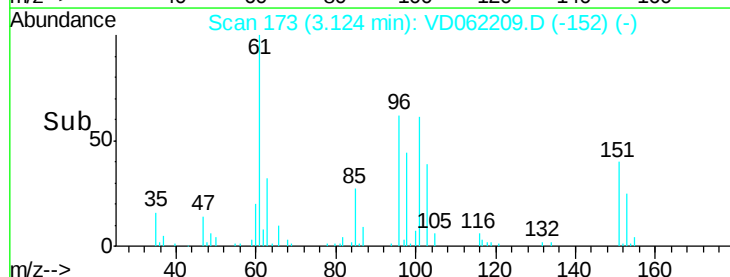
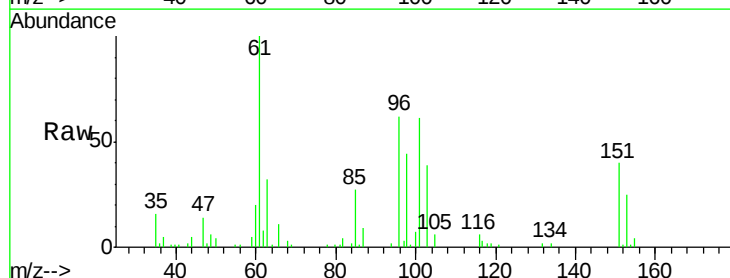
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

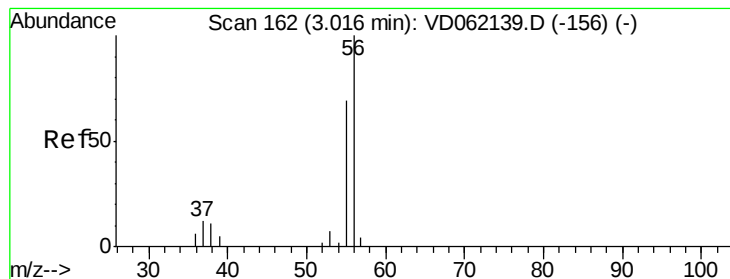
Tot Ion: 59 Resp: 31753
Ion Ratio Lower Upper
59 100
57 10.4 6.9 10.3#



#12
1,1-Dichloroethene
Concen: 16.809 ug/l
RT: 3.12 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 96 Resp: 95811
Ion Ratio Lower Upper
96 100
61 161.1 129.8 194.8
98 70.9 51.2 76.8





#13

Acrolein

Concen: 84.086 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

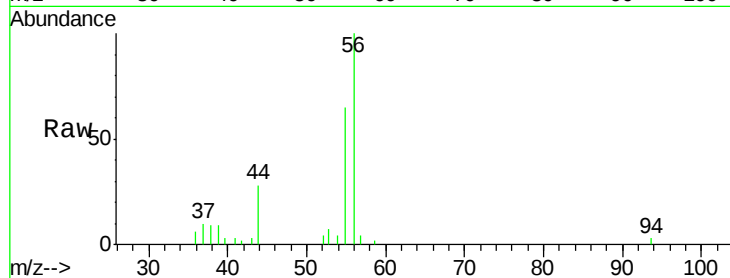
VD0510SBSD01

Tot Ion: 56 Resp: 30840

Ion Ratio Lower Upper

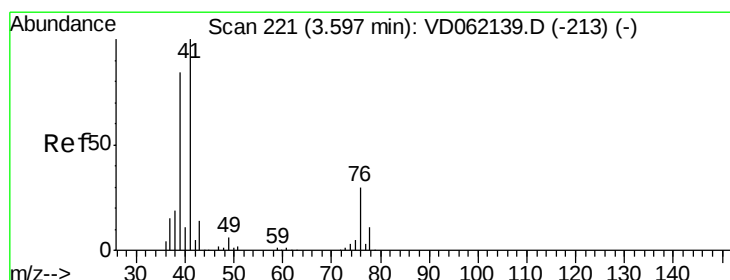
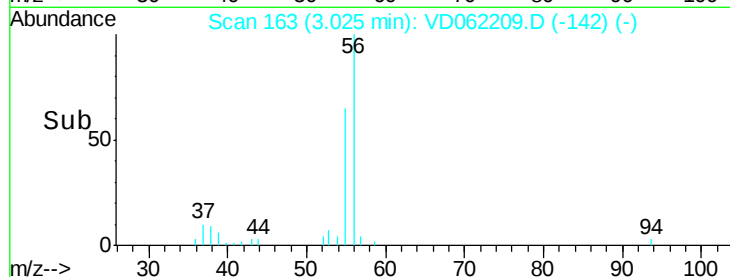
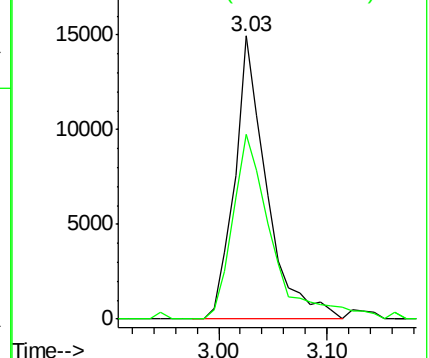
56 100

55 65.1 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.425 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

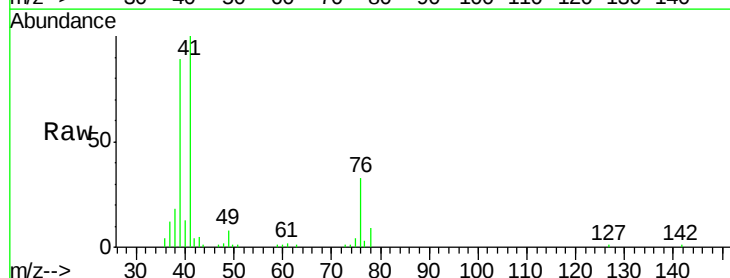
Tgt Ion: 41 Resp: 152701

Ion Ratio Lower Upper

41 100

39 89.1 60.5 90.7

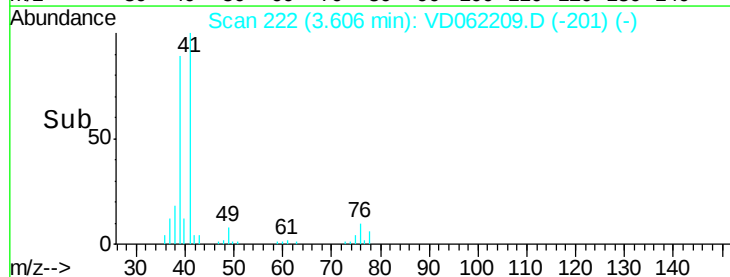
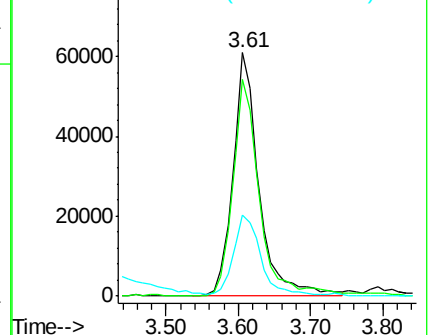
76 33.3 31.8 47.8

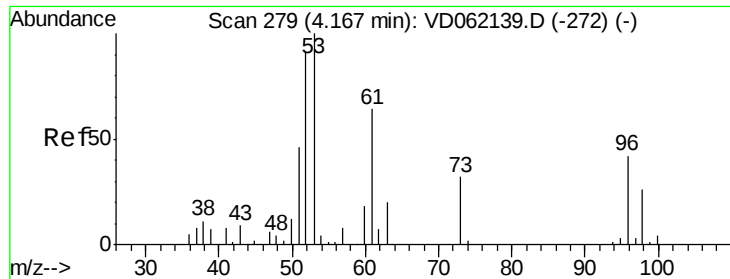


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

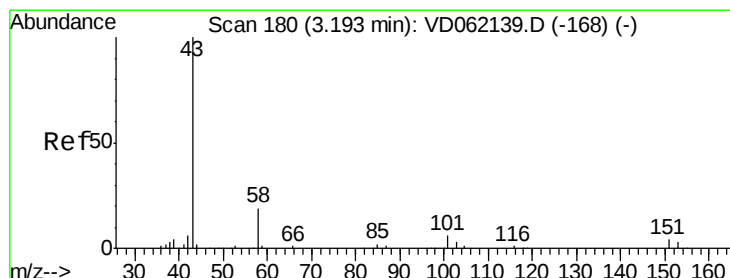
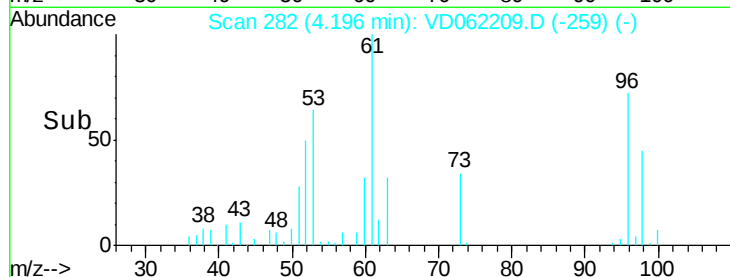
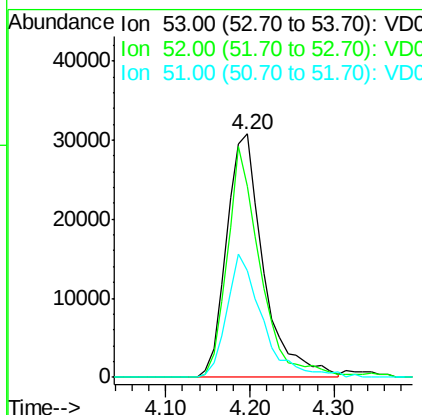
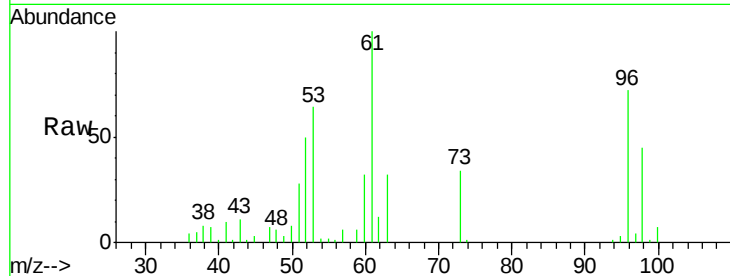




#15
 Acrylonitrile
 Concen: 100.470 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. 0.03 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

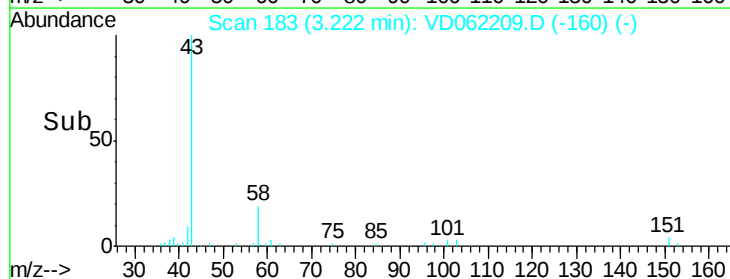
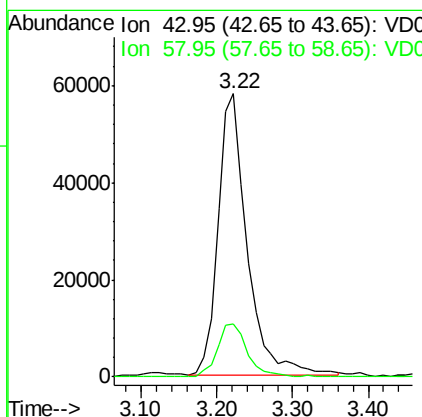
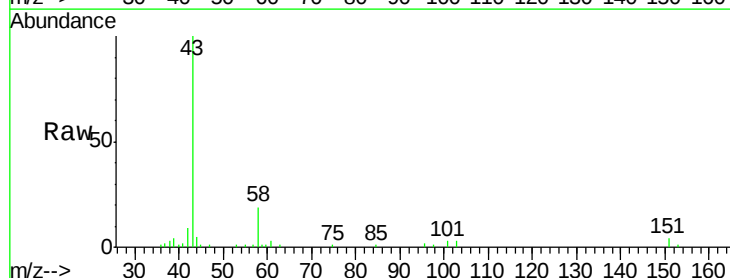
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD01

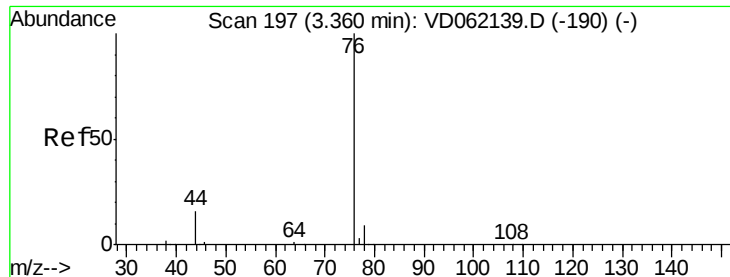
Tot Ion: 53 Resp: 93644
 Ion Ratio Lower Upper
 53 100
 52 78.5 65.0 97.4
 51 44.0 32.6 48.8



#16
 Acetone
 Concen: 105.934 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. 0.03 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Tgt Ion: 43 Resp: 154329
 Ion Ratio Lower Upper
 43 100
 58 18.8 19.9 29.9#

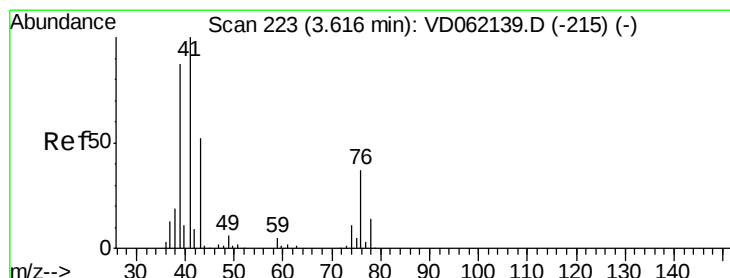
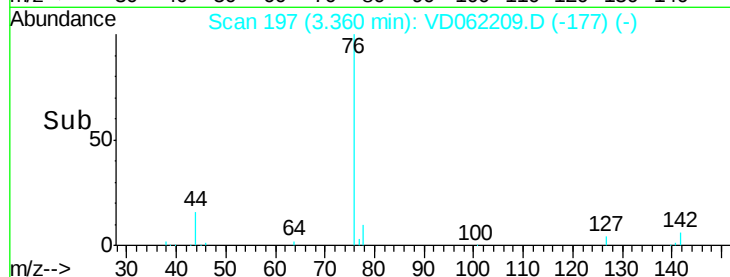
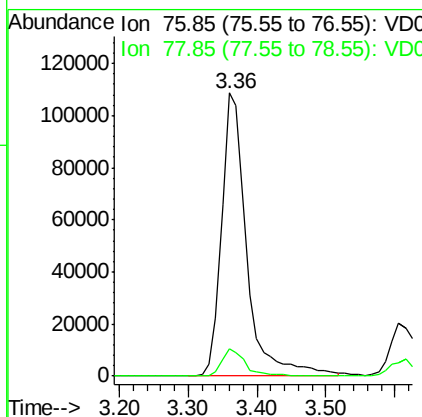
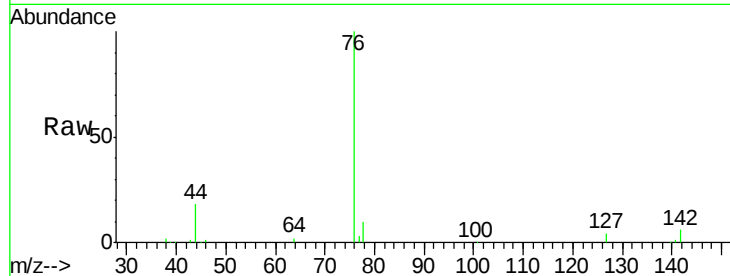




#17
Carbon Disulfide
Concen: 16.748 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.00 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

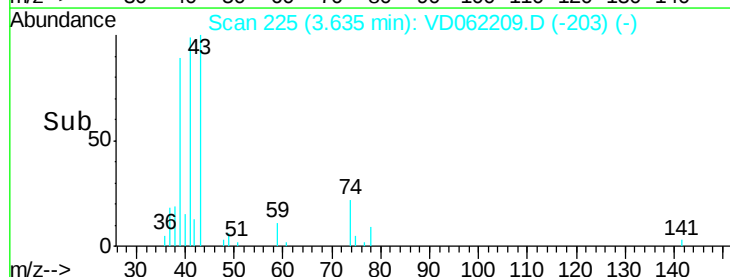
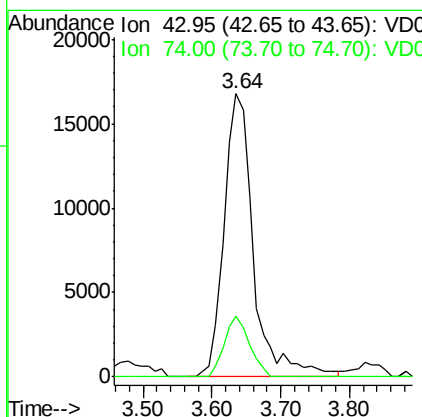
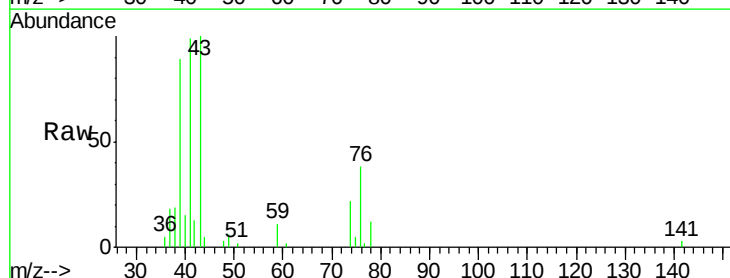
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

Tot Ion: 76 Resp: 274612
Ion Ratio Lower Upper
76 100
78 9.8 7.2 10.8



#18
Methyl Acetate
Concen: 18.782 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.02 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 43 Resp: 49430
Ion Ratio Lower Upper
43 100
74 21.5 18.0 27.0

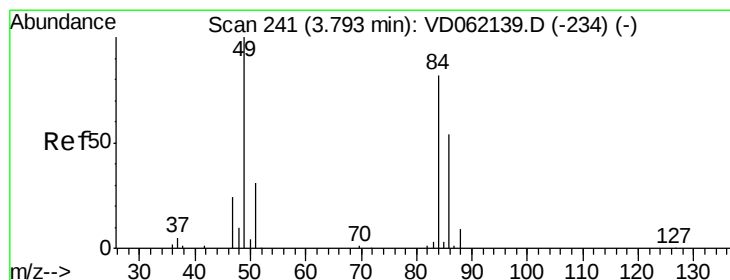
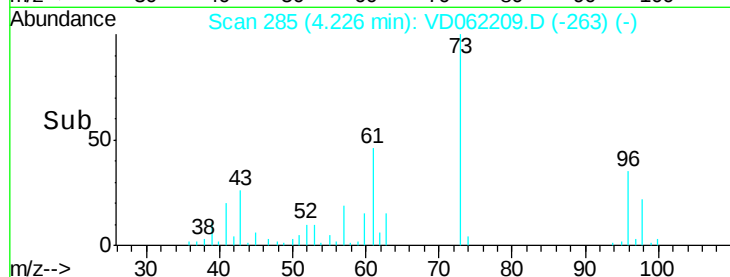
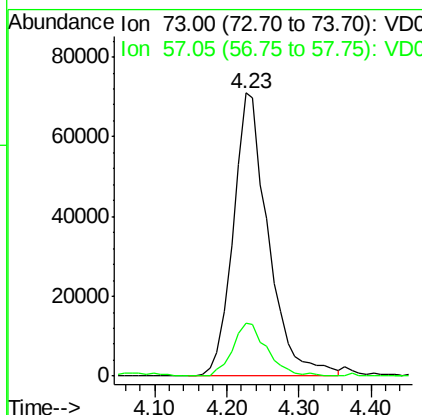
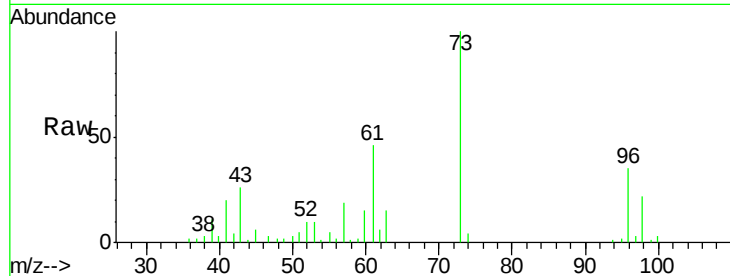




#19
Methvl tert-butvl Ether
Concen: 19.688 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.02 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

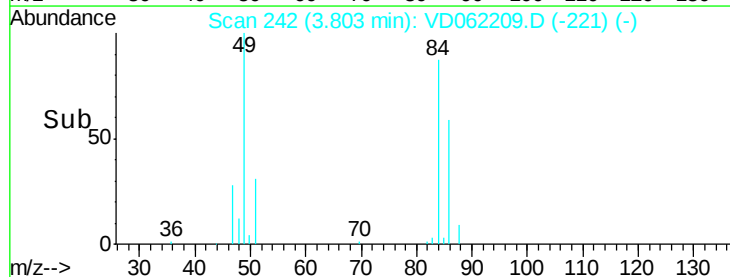
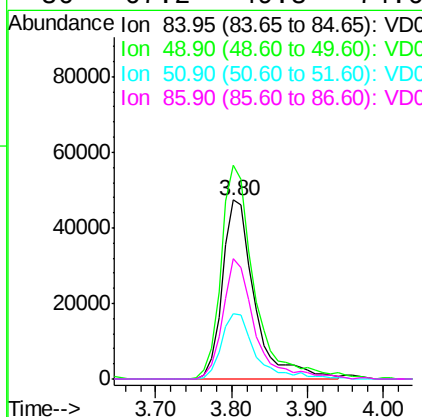
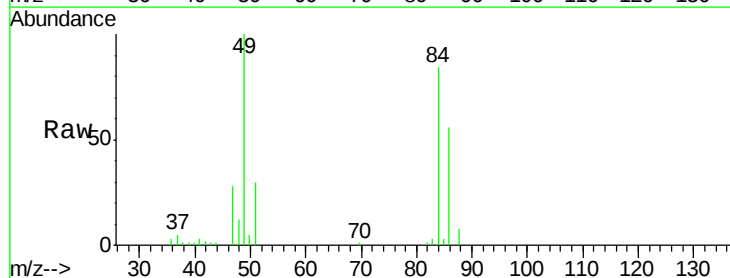
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

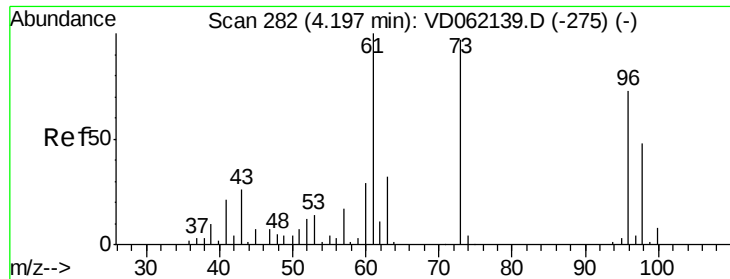
Tot Ion: 73 Resp: 240528
Ion Ratio Lower Upper
73 100
57 18.5 16.3 24.5



#20
Methylene Chloride
Concen: 22.919 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 84 Resp: 139416
Ion Ratio Lower Upper
84 100
49 119.3 94.0 141.0
51 36.4 29.0 43.4
86 67.2 49.8 74.6

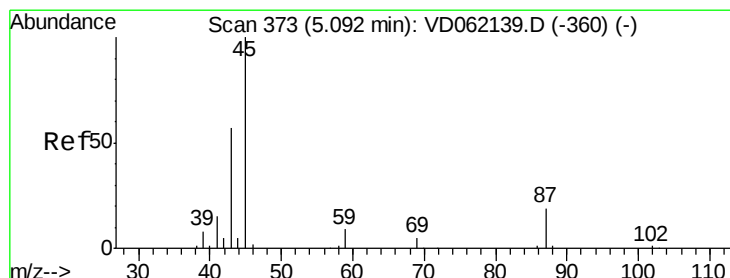
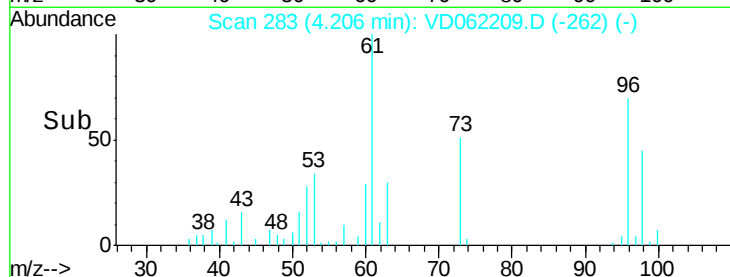
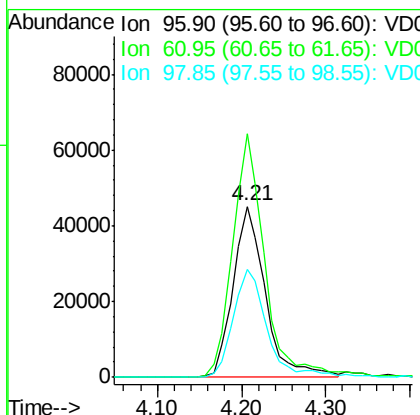
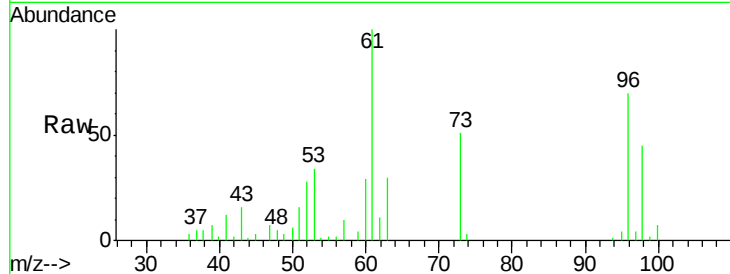




#21
trans-1,2-Dichloroethene
Concen: 19.085 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

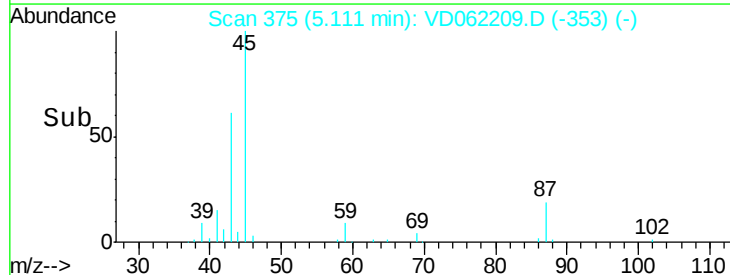
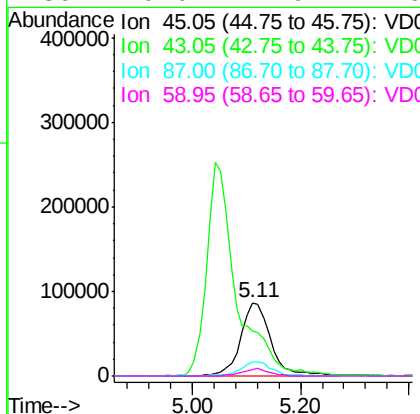
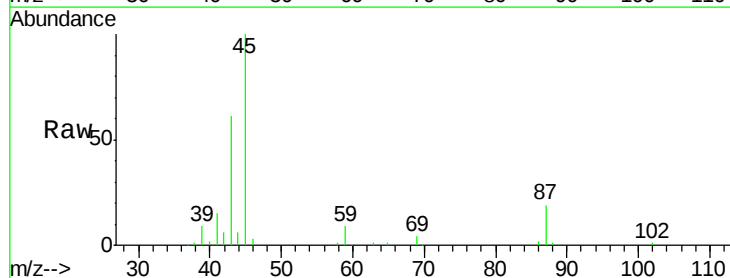
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

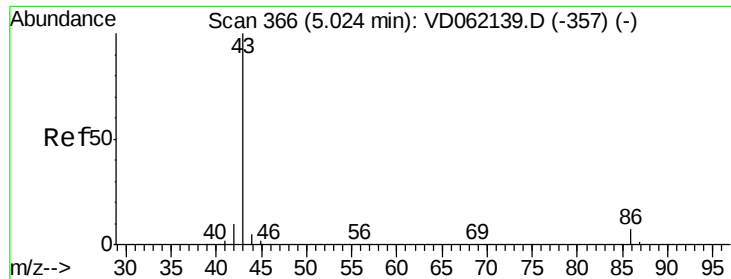
Tot Ion: 96 Resp: 121049
Ion Ratio Lower Upper
96 100
61 142.5 104.4 156.6
98 63.4 51.8 77.8



#22
Diisopropyl ether
Concen: 19.108 ug/l
RT: 5.11 min Scan# 375
Delta R.T. 0.02 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 45 Resp: 336981
Ion Ratio Lower Upper
45 100
43 61.0 46.2 69.2
87 18.7 15.9 23.9
59 9.0 7.9 11.9





#23

Vinyl Acetate

Concen: 102.522 ug/l

RT: 5.04 min Scan# 368

Delta R.T. 0.02 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

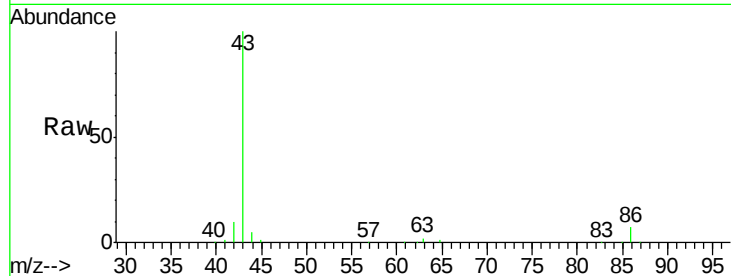
VD0510SBS01

Tot Ion: 43 Resp: 953946

Ion Ratio Lower Upper

43 100

86 7.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.04

250000

200000

150000

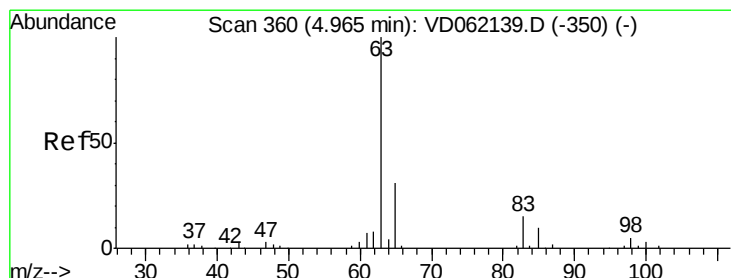
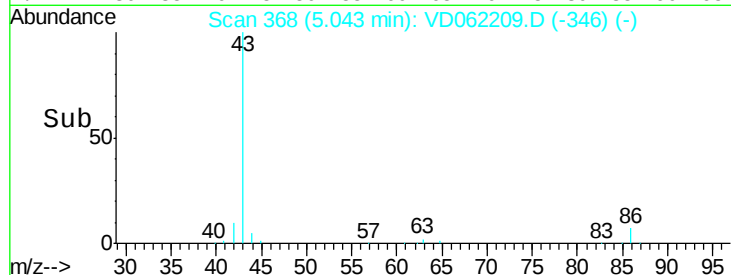
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 20.005 ug/l

RT: 4.97 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

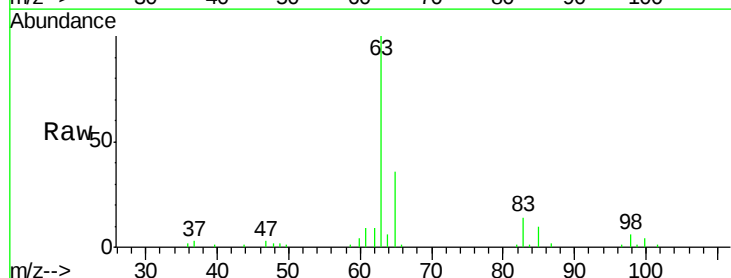
Tgt Ion: 63 Resp: 212831

Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.4

100 3.7 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

4.97

80000

60000

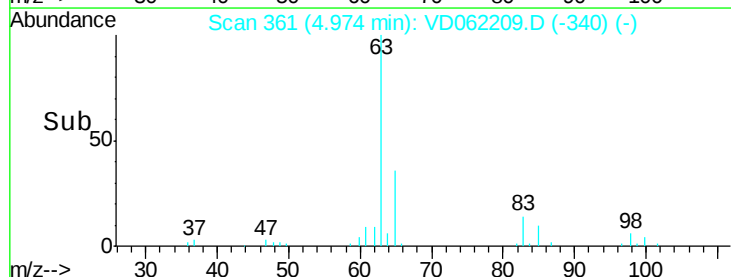
40000

20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 99.042 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

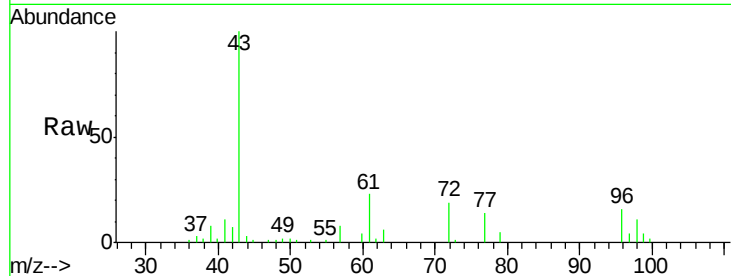
VD0510SBS01

Tot Ion: 43 Resp: 157385

Ion Ratio Lower Upper

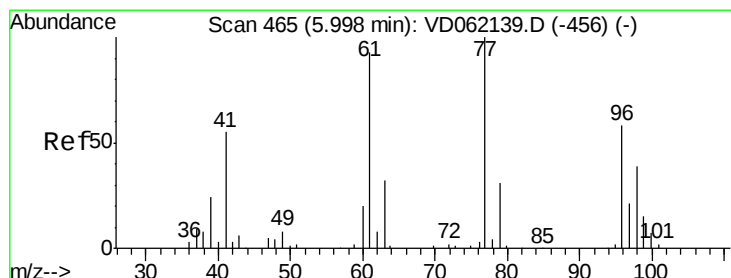
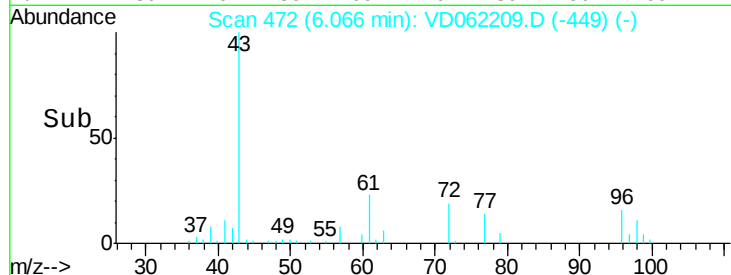
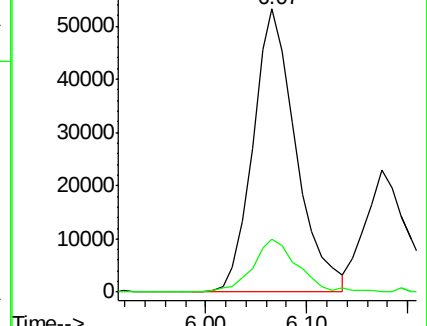
43 100

72 18.8 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.359 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD062209.D

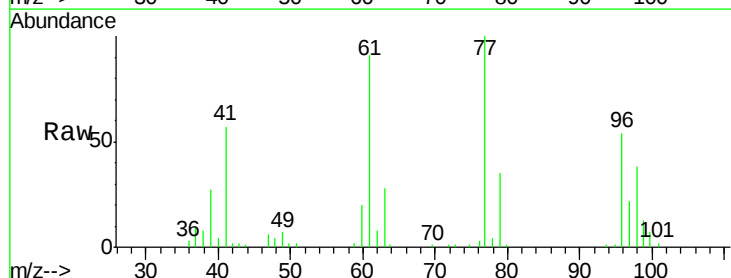
Acq: 10 May 2019 12:17

Tgt Ion: 77 Resp: 205157

Ion Ratio Lower Upper

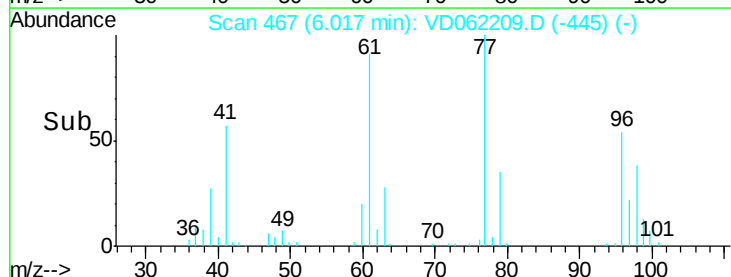
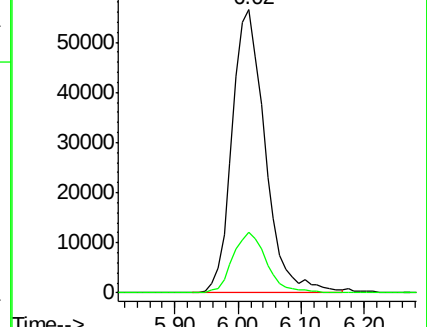
77 100

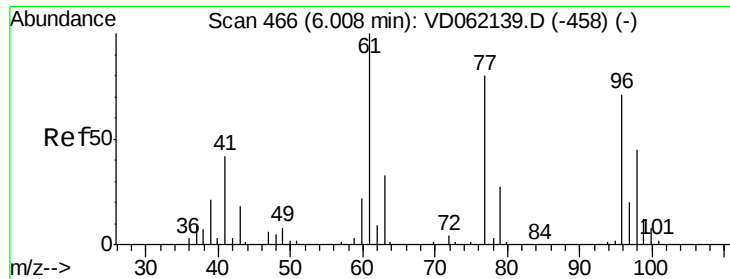
97 21.5 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



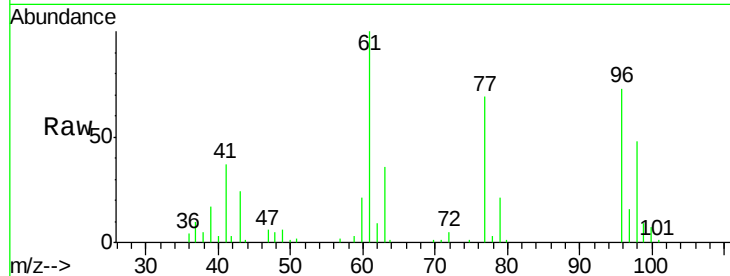


#27

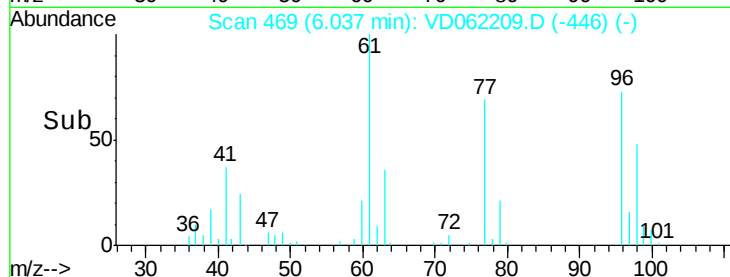
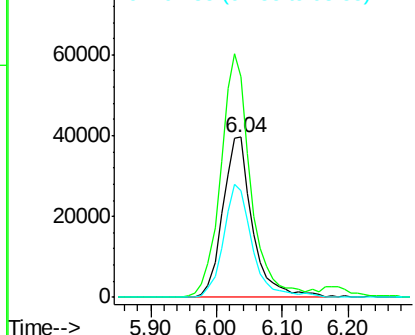
cis-1,2-Dichloroethene
Concen: 17.572 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.03 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

Tot Ion: 96 Resp: 124748
Ion Ratio Lower Upper
96 100
61 137.9 0.0 279.8
98 66.5 0.0 136.0



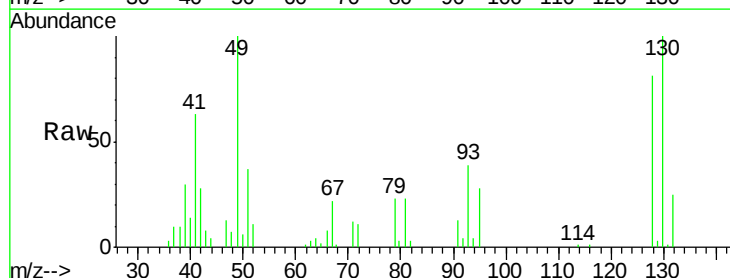
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



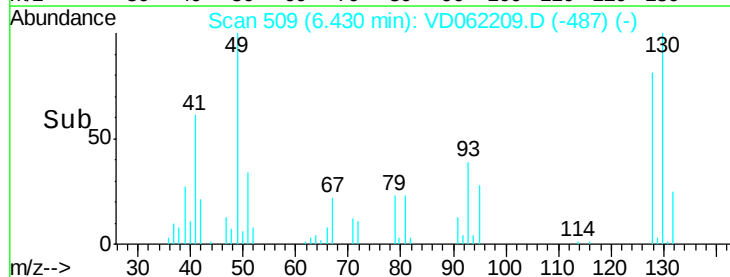
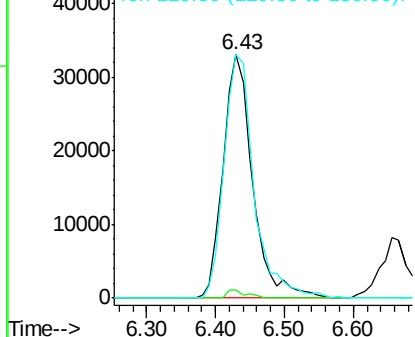
#28

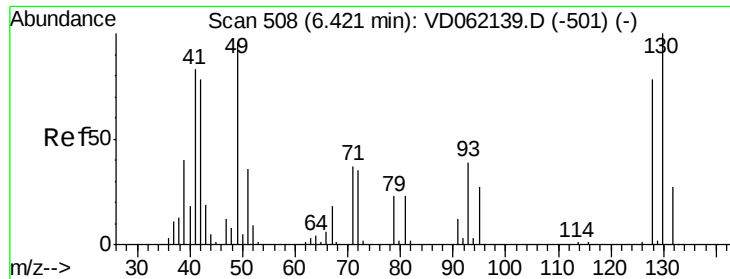
Bromochloromethane
Concen: 23.471 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 49 Resp: 98245
Ion Ratio Lower Upper
49 100
129 3.1 0.0 6.6
130 99.9 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

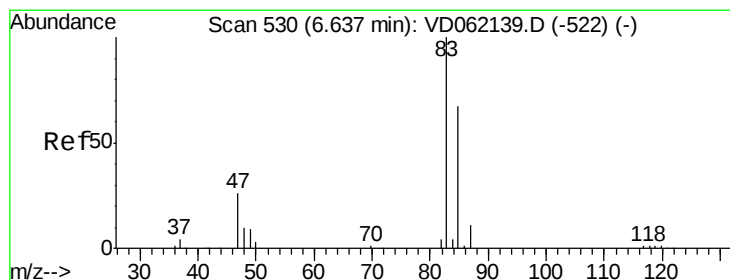
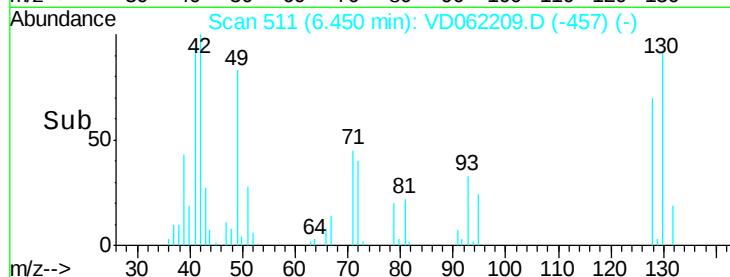
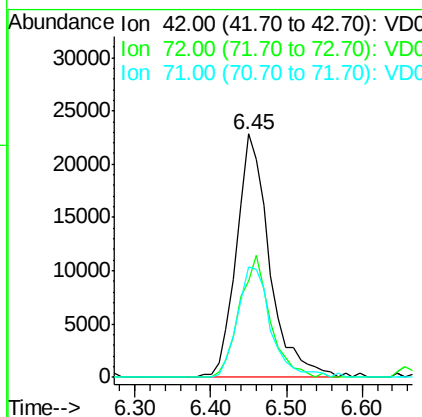
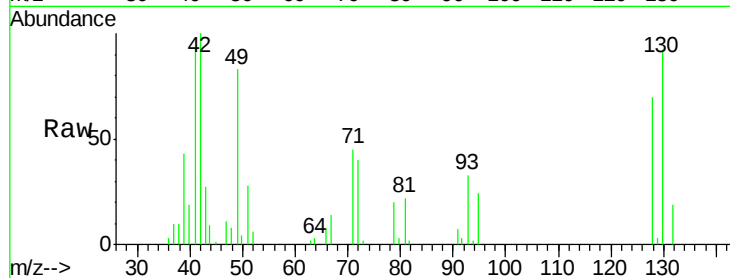




#29
Tetrahydrofuran
Concen: 94.353 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

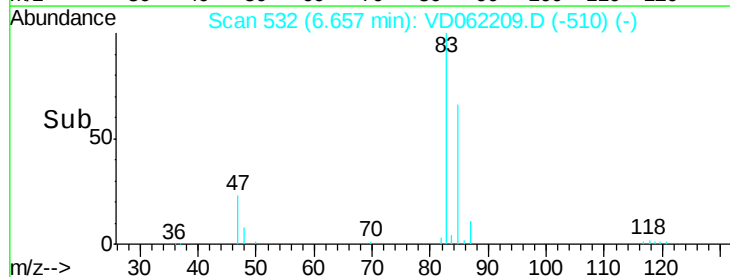
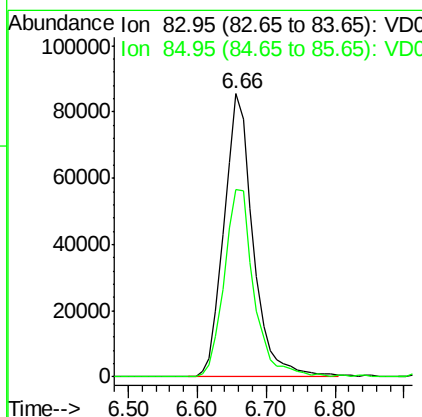
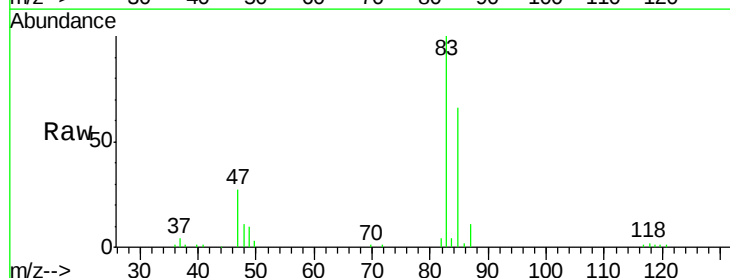
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

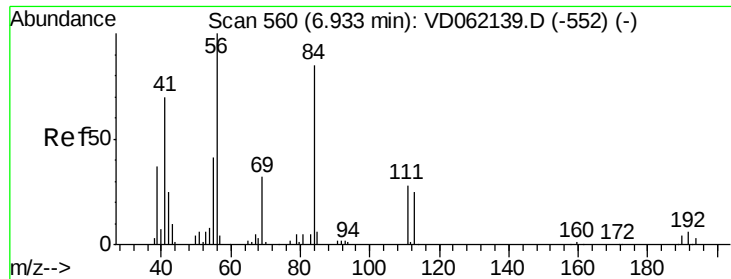
Tot Ion: 42 Resp: 69083
Ion Ratio Lower Upper
42 100
72 46.6 37.8 56.6
71 45.7 36.7 55.1



#30
Chloroform
Concen: 19.502 ug/l
RT: 6.66 min Scan# 532
Delta R.T. 0.02 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 83 Resp: 250045
Ion Ratio Lower Upper
83 100
85 66.2 51.7 77.5

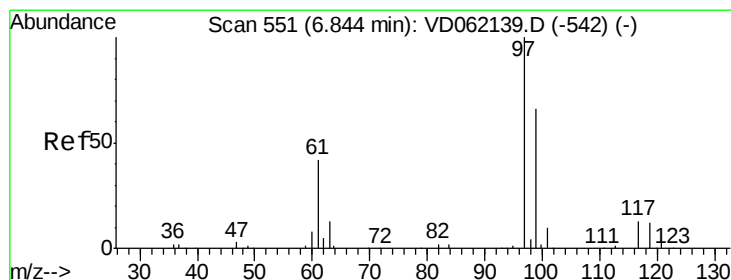
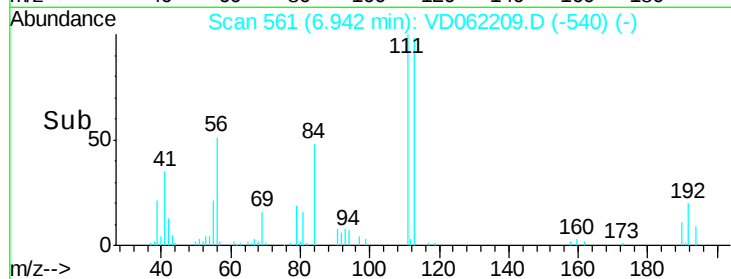
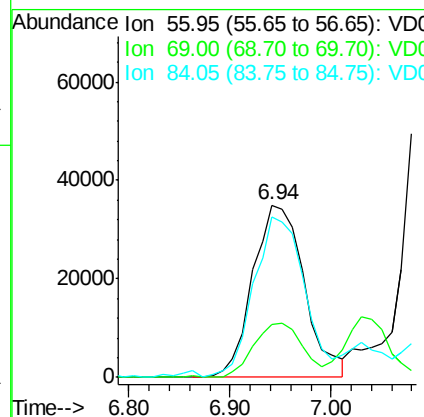
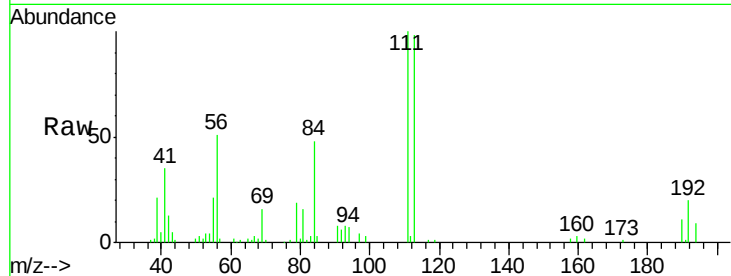




#31
Cvclohexane
Concen: 16.994 ug/l
RT: 6.94 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

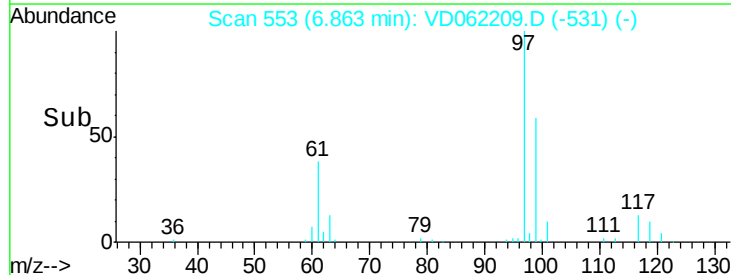
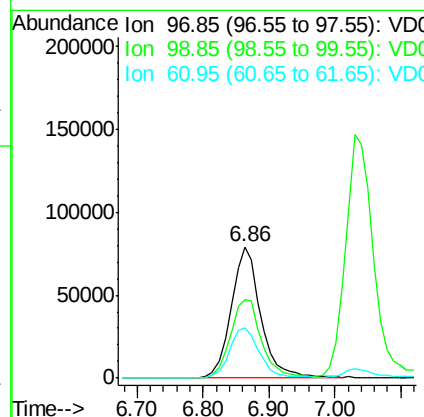
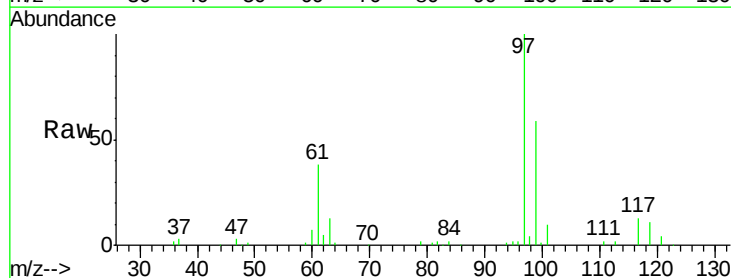
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

Tot Ion: 56 Resp: 123864
Ion Ratio Lower Upper
56 100
69 30.6 25.8 38.6
84 93.2 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 20.378 ug/l
RT: 6.86 min Scan# 553
Delta R.T. 0.02 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 97 Resp: 246960
Ion Ratio Lower Upper
97 100
99 59.4 52.2 78.2
61 38.2 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 53.902 ug/l

RT: 7.44 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

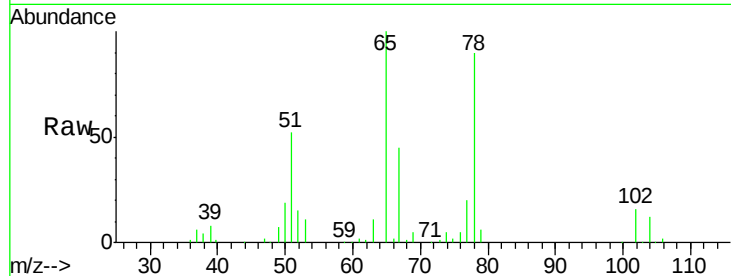
VD0510SBSD01

Tot Ion: 65 Resp: 374454

Ion Ratio Lower Upper

65 100

67 44.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

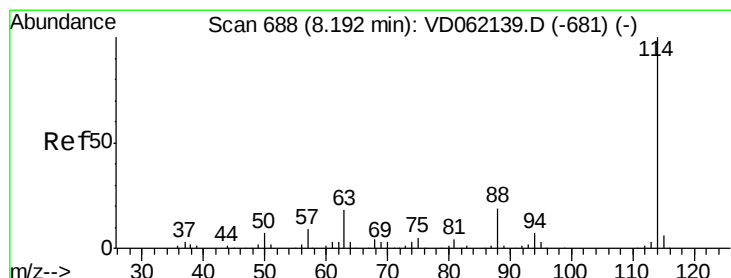
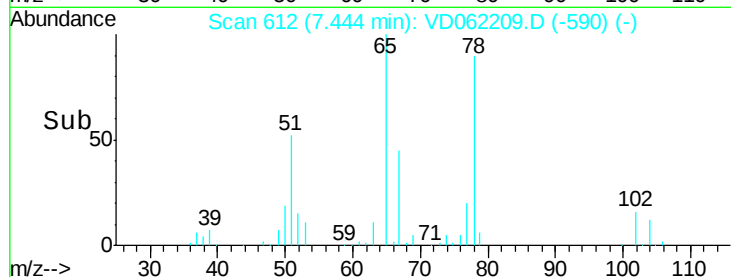
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

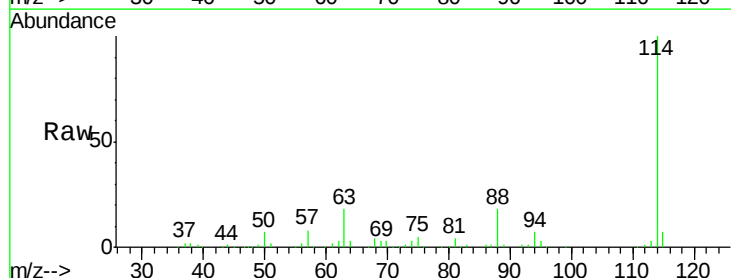
Tgt Ion: 114 Resp: 1076322

Ion Ratio Lower Upper

114 100

63 18.1 0.0 32.4

88 18.3 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.21

500000

400000

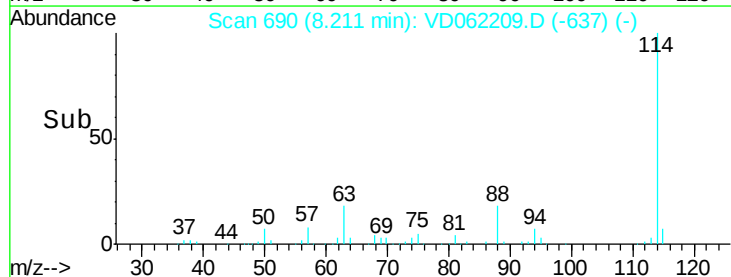
300000

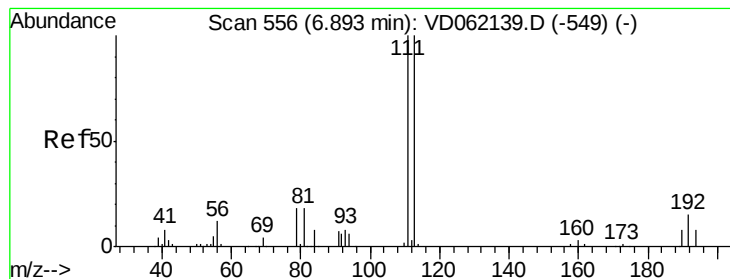
200000

100000

0

Time--> 8.10 8.20 8.30 8.40





#35

Dibromofluoromethane

Concen: 52.945 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBSD01

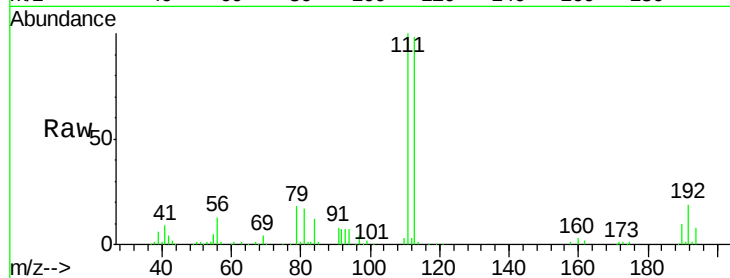
Tot Ion:113 Resp: 472821

Ion Ratio Lower Upper

113 100

111 101.9 78.5 117.7

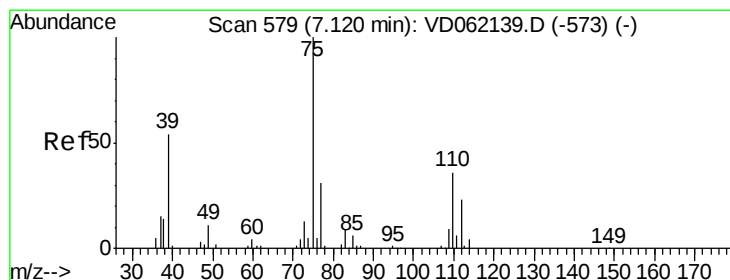
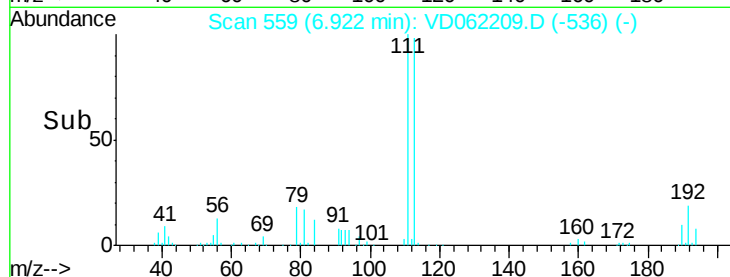
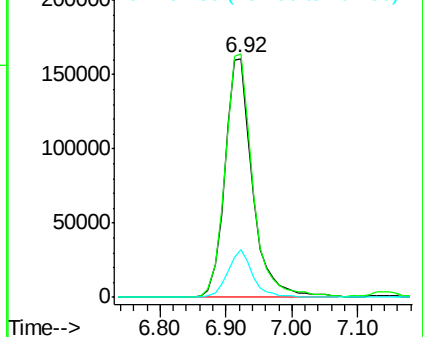
192 19.8 13.0 19.4#



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.065 ug/l

RT: 7.14 min Scan# 581

Delta R.T. 0.02 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

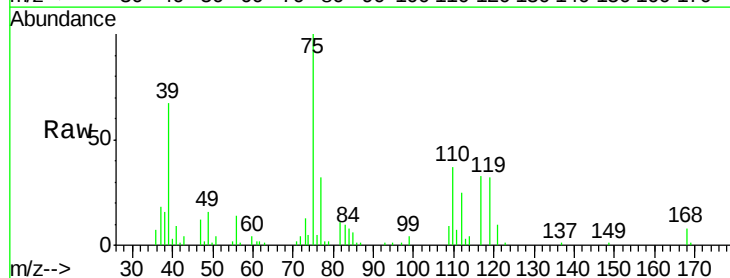
Tgt Ion: 75 Resp: 168250

Ion Ratio Lower Upper

75 100

110 36.6 19.1 57.1

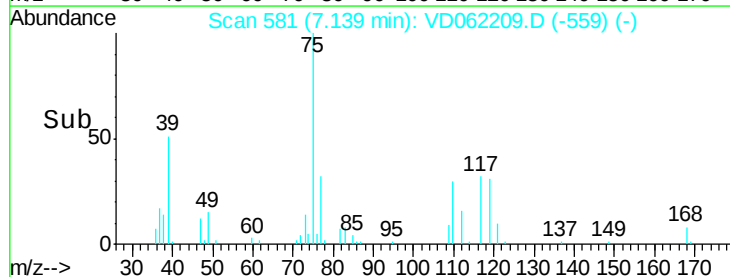
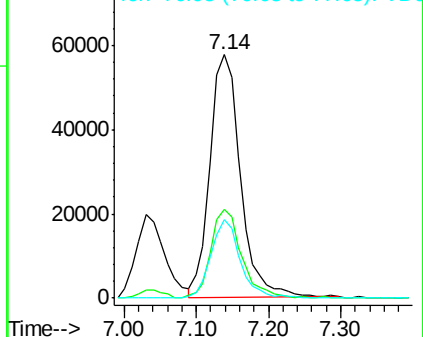
77 32.4 25.6 38.4

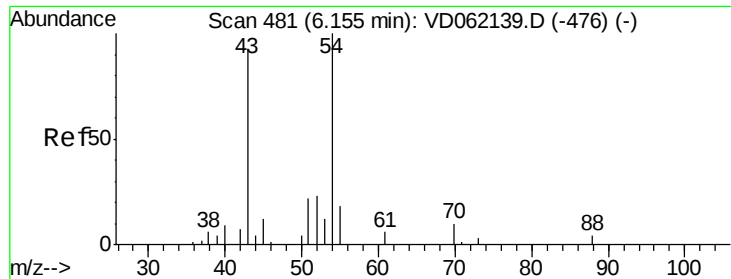


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

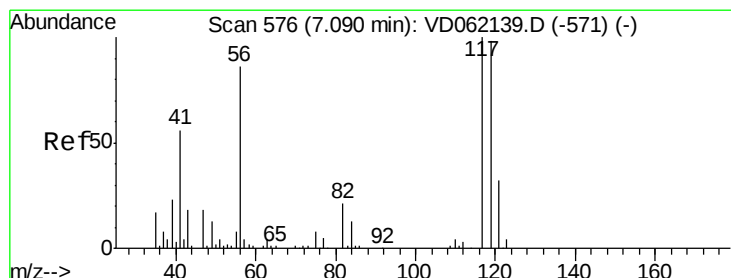
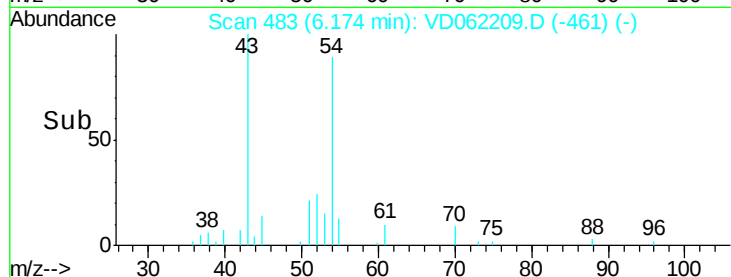
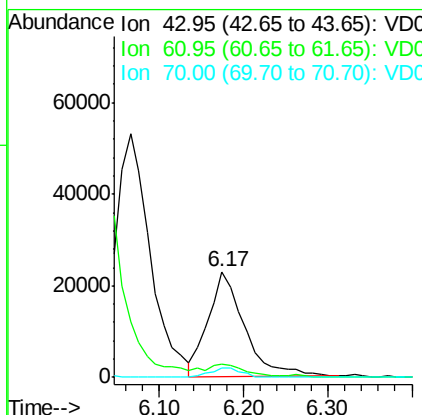
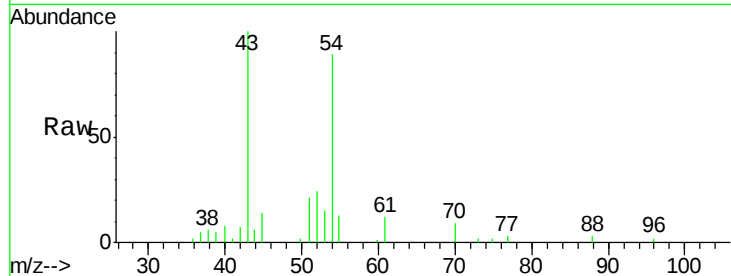




#37
Ethyl Acetate
Concen: 18.304 ug/l
RT: 6.17 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

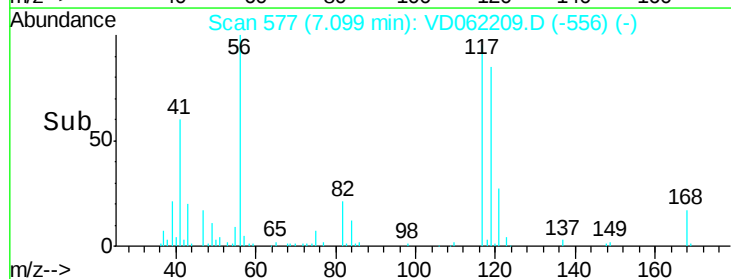
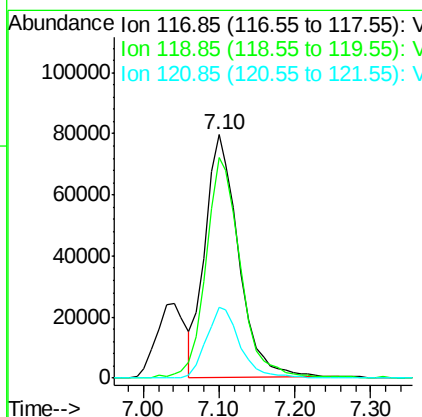
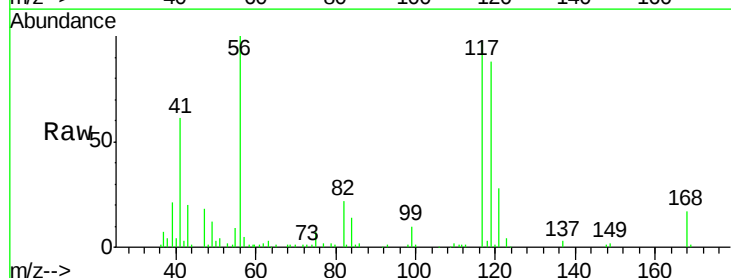
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

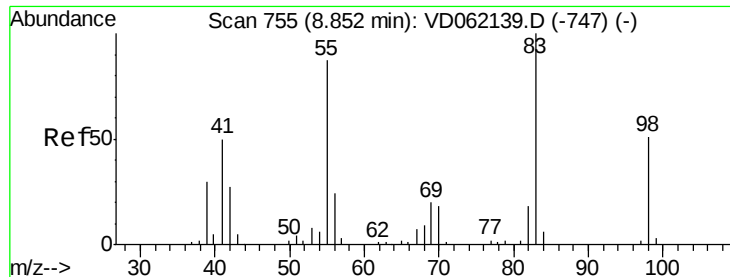
Tot Ion: 43 Resp: 68501
Ion Ratio Lower Upper
43 100
61 12.0 14.7 22.1#
70 8.9 7.8 11.6



#38
Carbon Tetrachloride
Concen: 19.968 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 117 Resp: 243894
Ion Ratio Lower Upper
117 100
119 90.6 75.8 113.8
121 29.1 25.9 38.9

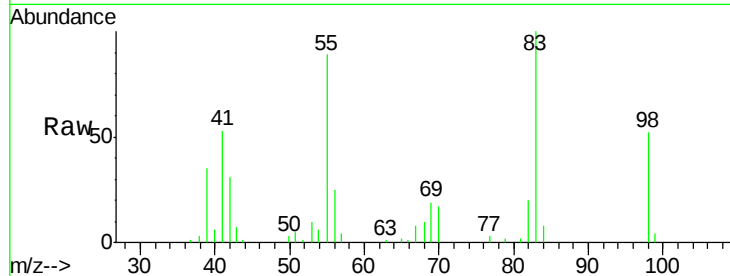




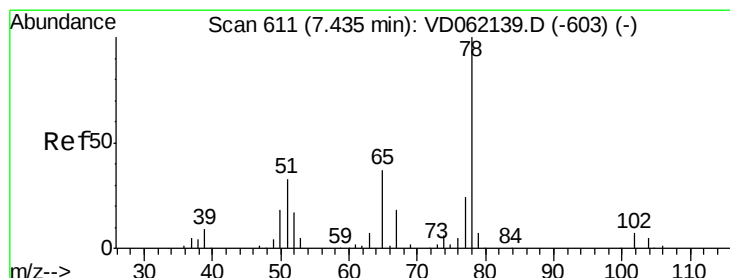
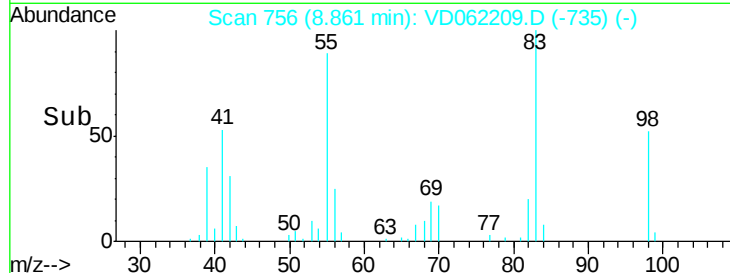
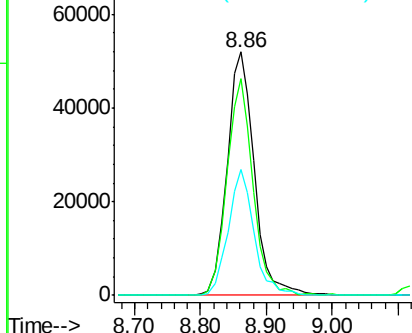
#39
Methvlcvclohexane
Concen: 17.712 ug/l
RT: 8.86 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

Tot Ion: 83 Resp: 149760
Ion Ratio Lower Upper
83 100
55 89.0 68.2 102.4
98 51.8 38.2 57.4

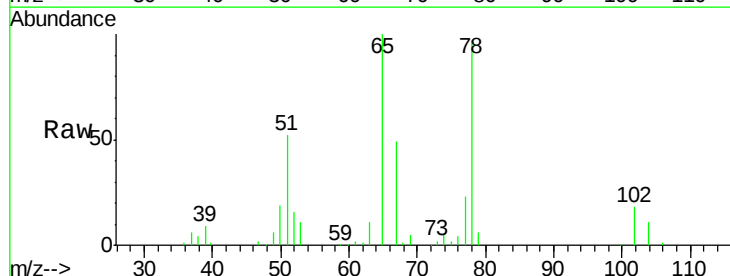


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

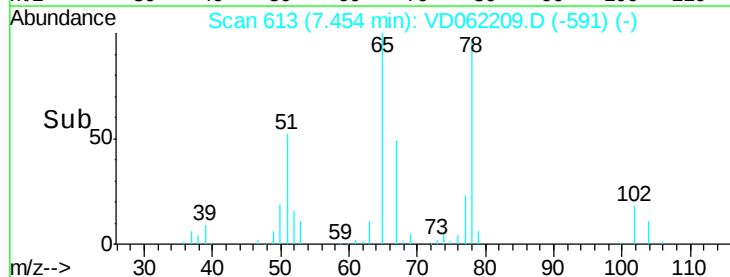
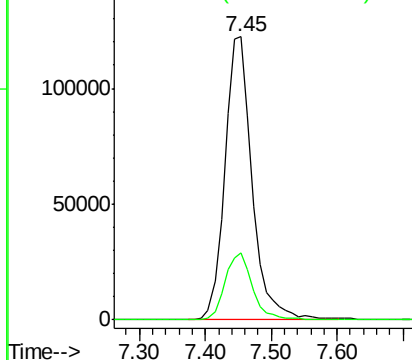


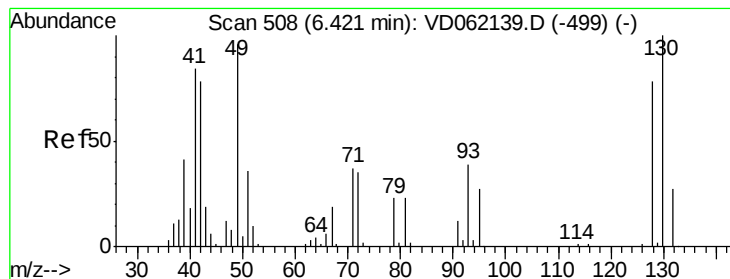
#40
Benzene
Concen: 17.811 ug/l
RT: 7.45 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 78 Resp: 354921
Ion Ratio Lower Upper
78 100
77 23.8 19.7 29.5



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





#41

Methacrylonitrile

Concen: 20.124 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.03 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBSD01

Tot Ion: 41 Resp: 92035

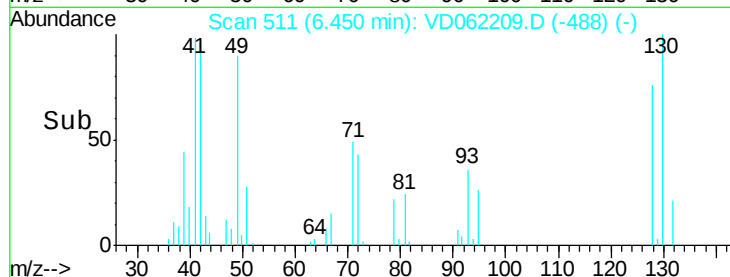
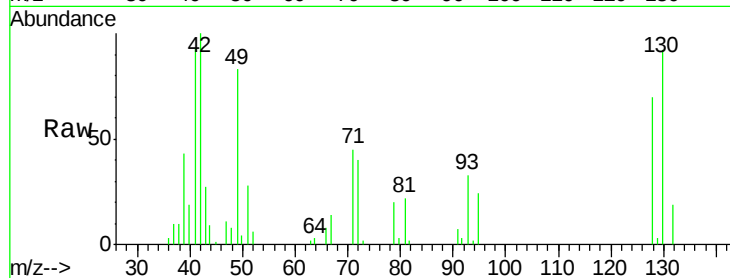
Ion Ratio Lower Upper

41 100

39 45.9 34.1 51.1

67 15.2 23.8 35.6#

52 6.1 8.8 13.2#

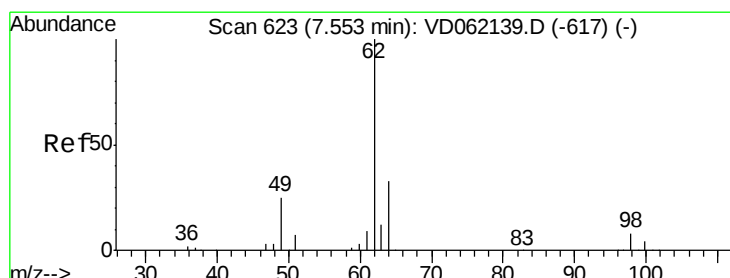
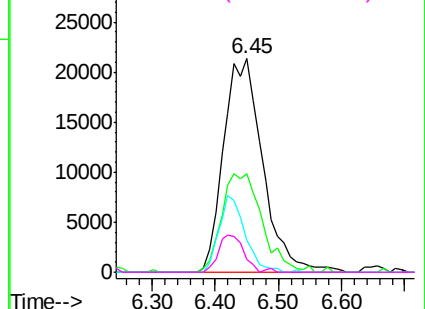


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 18.917 ug/l

RT: 7.57 min Scan# 625

Delta R.T. 0.02 min

Lab File: VD062209.D

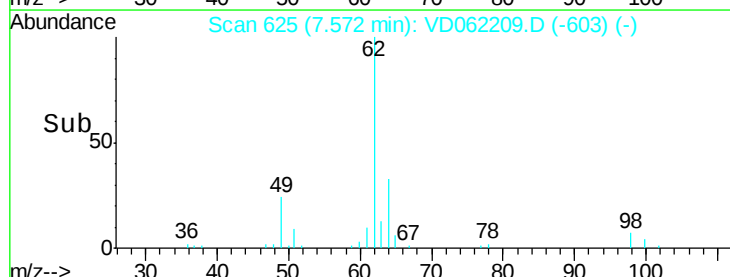
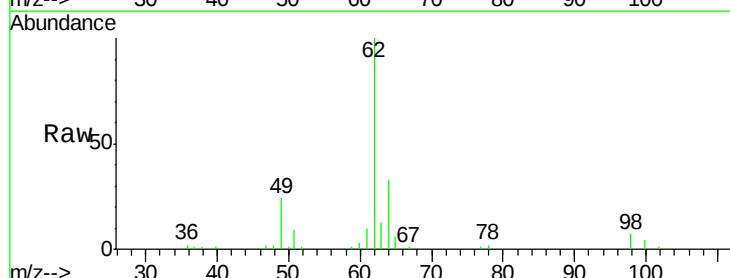
Acq: 10 May 2019 12:17

Tgt Ion: 62 Resp: 159718

Ion Ratio Lower Upper

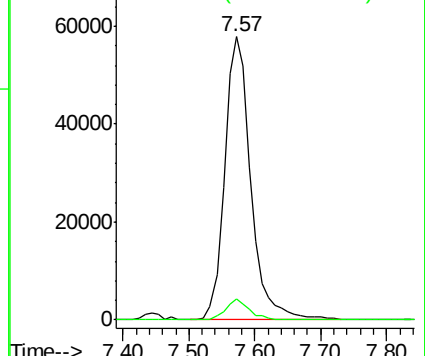
62 100

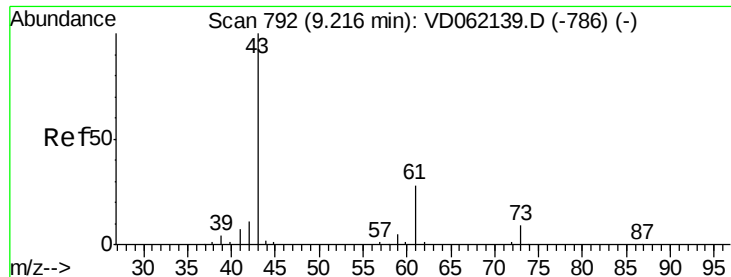
98 7.3 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



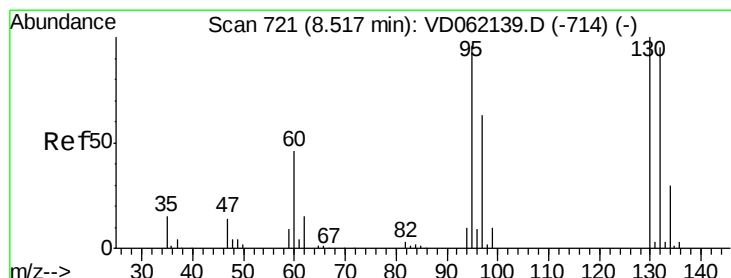
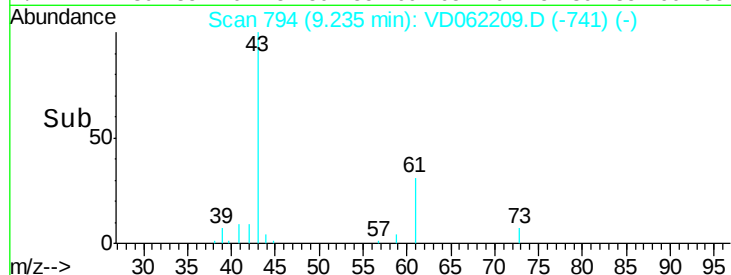
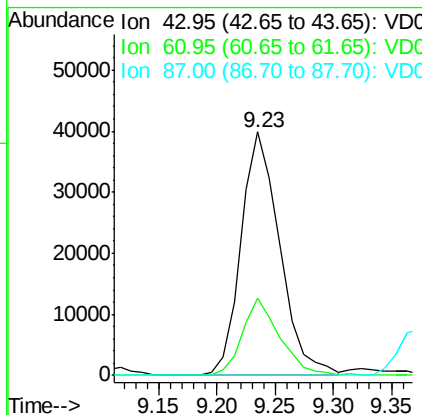
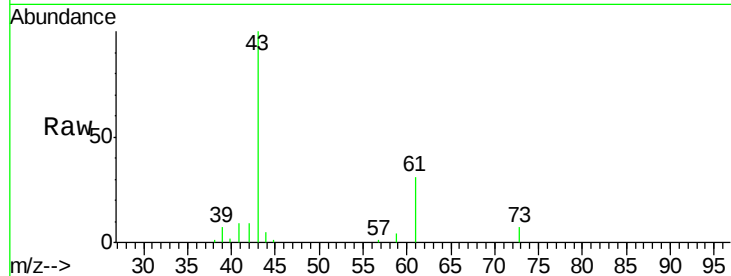


#43

Isopropyl Acetate
 Concen: 17.266 ug/l
 RT: 9.23 min Scan# 794
 Delta R.T. 0.02 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD01

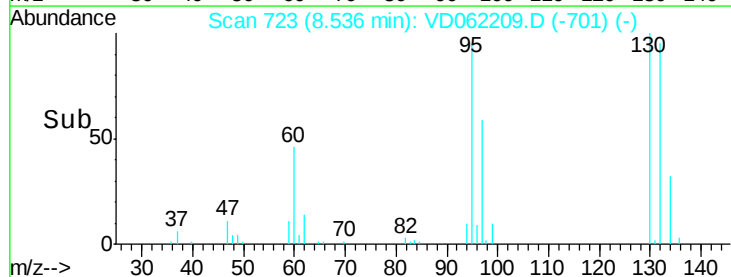
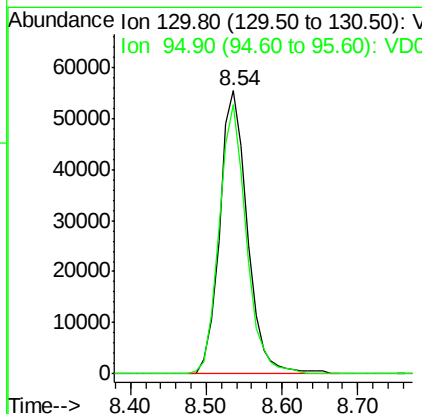
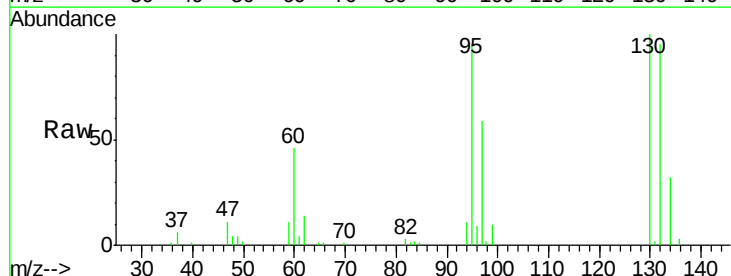
Tot Ion: 43 Resp: 91640
 Ion Ratio Lower Upper
 43 100
 61 31.5 25.1 37.7
 87 0.0 0.0 0.0



#44

Trichloroethene
 Concen: 18.530 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.02 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Tgt Ion: 130 Resp: 140708
 Ion Ratio Lower Upper
 130 100
 95 95.0 0.0 174.0





#45

1,2-Dichloropropane

Concen: 18.418 ug/l

RT: 8.93 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

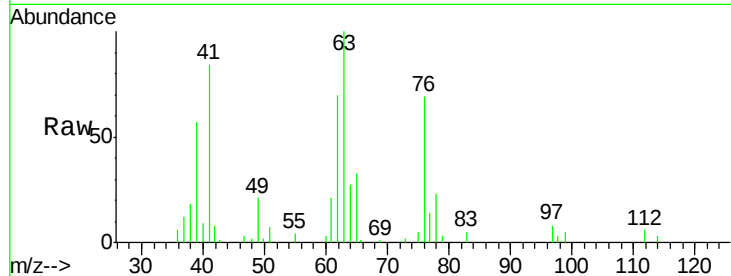
VD0510SBS01

Tot Ion: 63 Resp: 90783

Ion Ratio Lower Upper

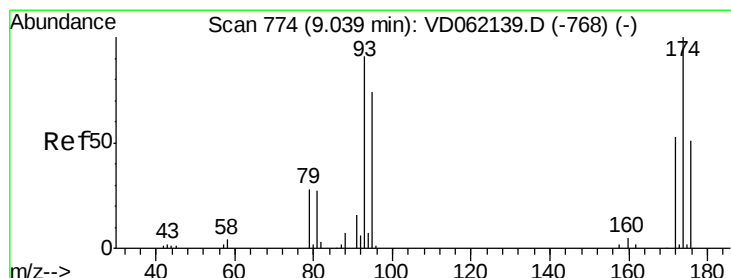
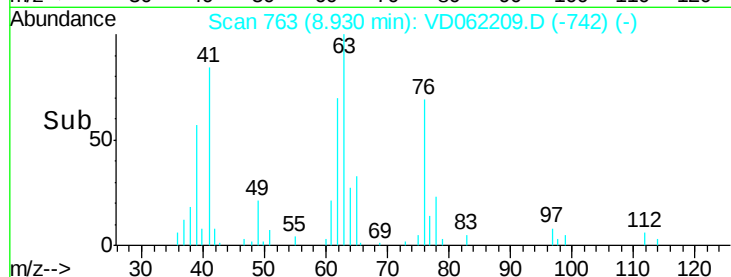
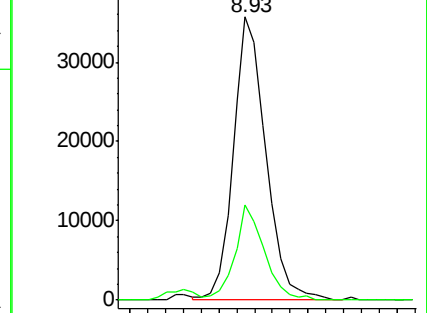
63 100

65 33.5 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 18.621 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.02 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

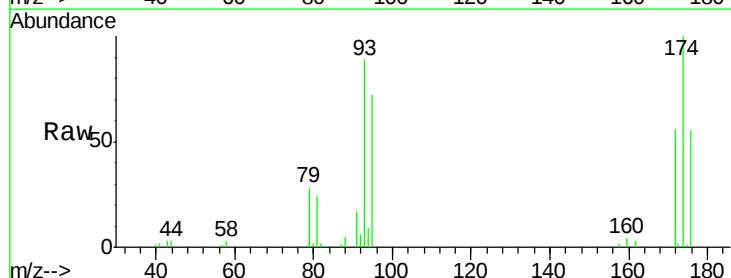
Tgt Ion: 93 Resp: 74639

Ion Ratio Lower Upper

93 100

95 81.2 64.8 97.2

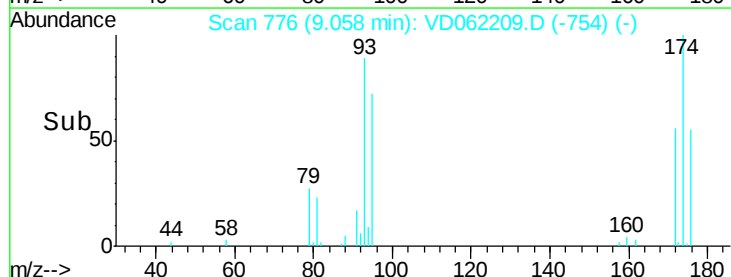
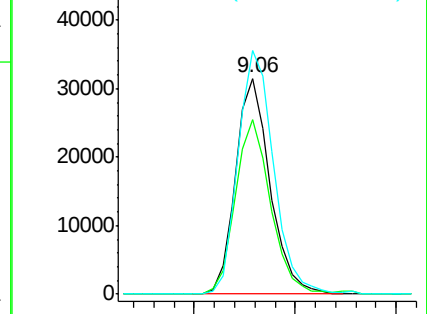
174 112.9 79.3 118.9



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 18.410 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBSD01

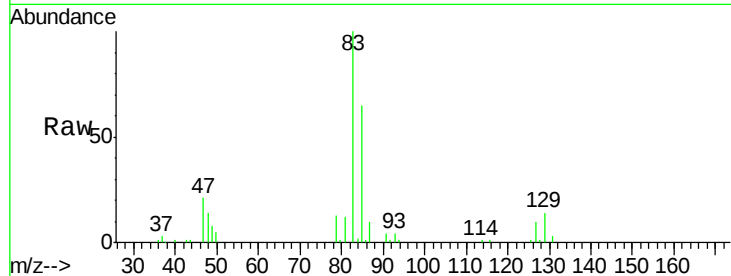
Tot Ion: 83 Resp: 180501

Ion Ratio Lower Upper

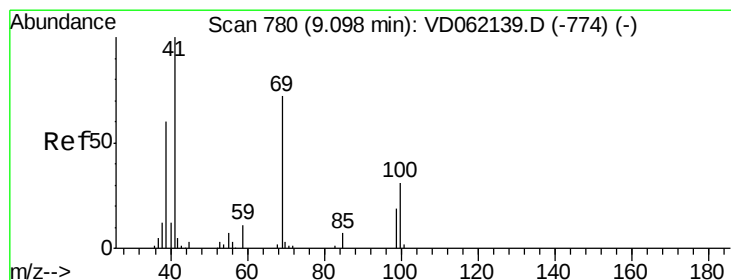
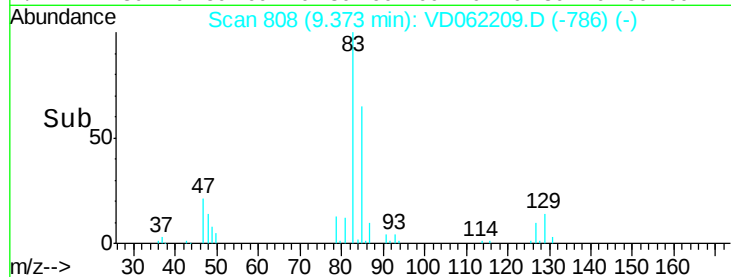
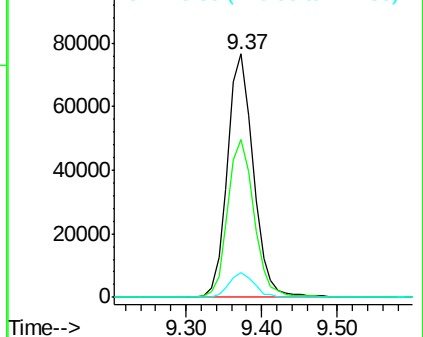
83 100

85 64.8 50.9 76.3

127 10.1 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: 18.897 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

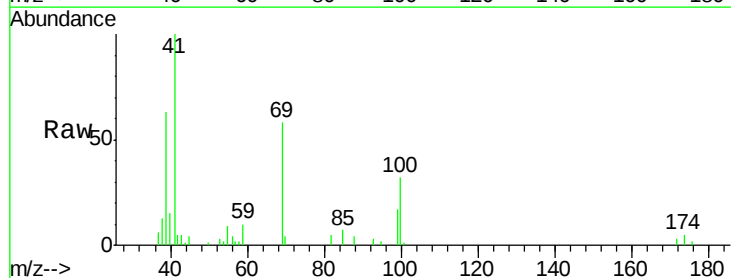
Tgt Ion: 41 Resp: 61779

Ion Ratio Lower Upper

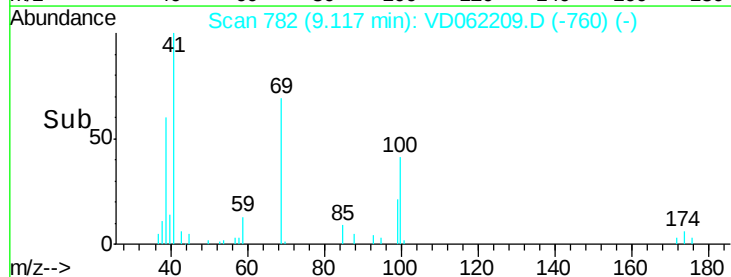
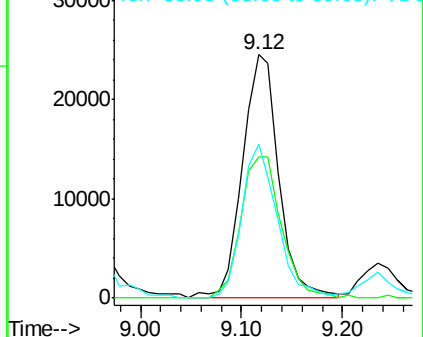
41 100

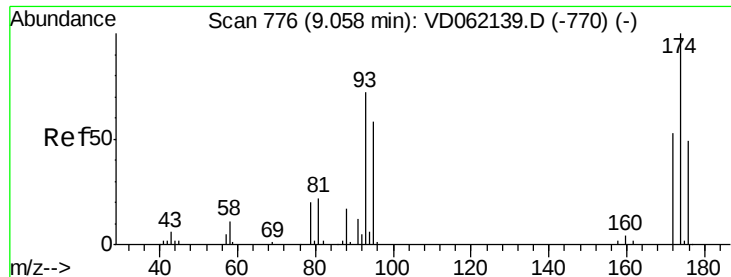
69 58.2 64.2 96.2#

39 63.3 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

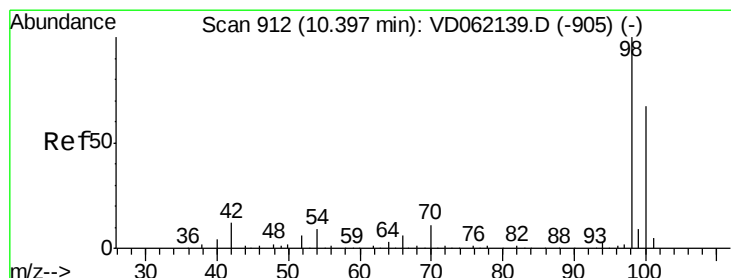
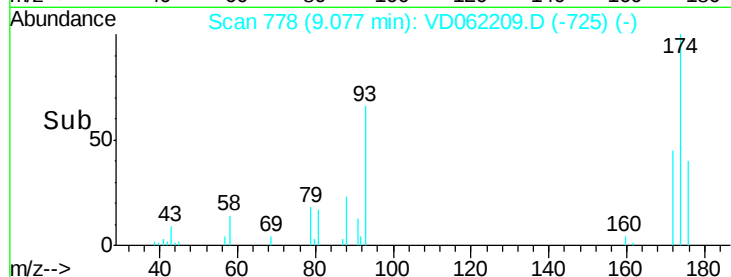
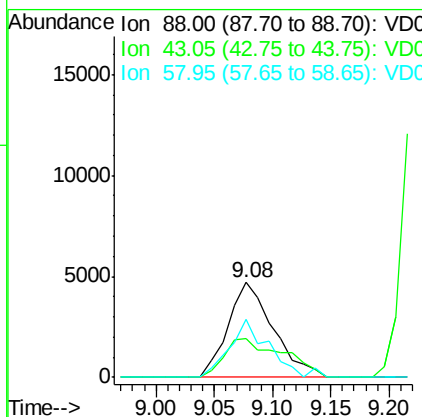
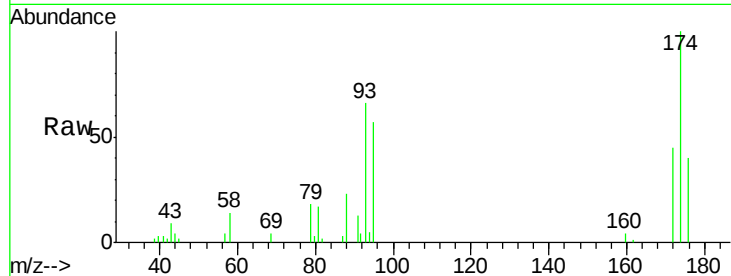




#49
1,4-Dioxane
Concen: 356.832 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.02 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

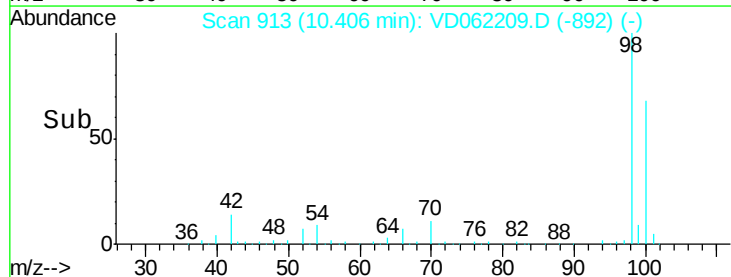
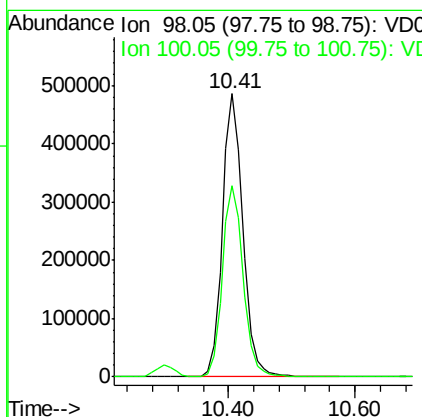
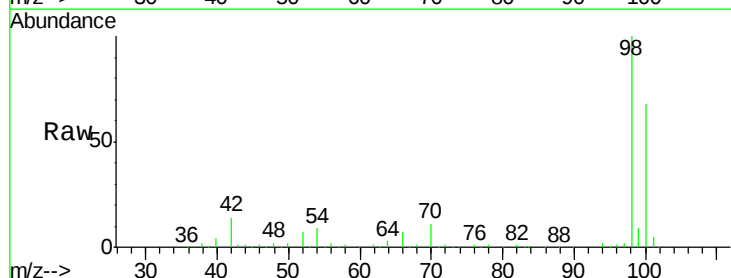
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

Tot Ion: 88 Resp: 12587
Ion Ratio Lower Upper
88 100
43 41.0 23.4 35.0#
58 61.6 44.0 66.0



#50
Toluene-d8
Concen: 50.886 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 98 Resp: 1095666
Ion Ratio Lower Upper
98 100
100 67.8 53.8 80.8

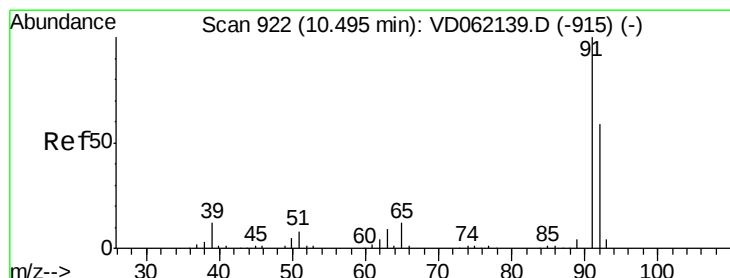
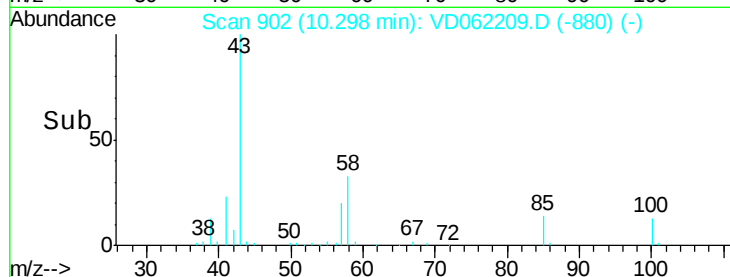
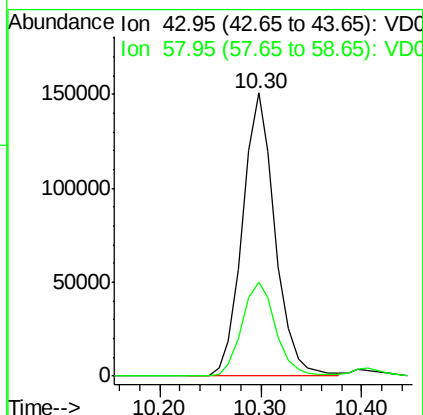
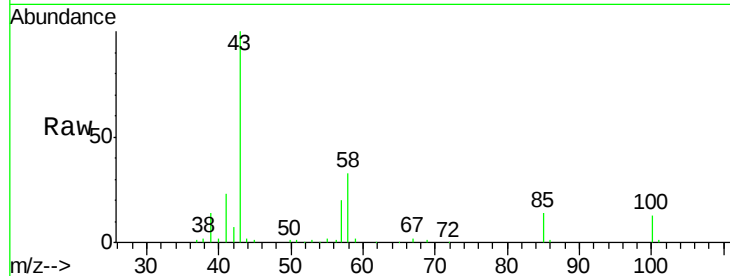




#51
4-Methyl-2-Pentanone
Concen: 99.238 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.02 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

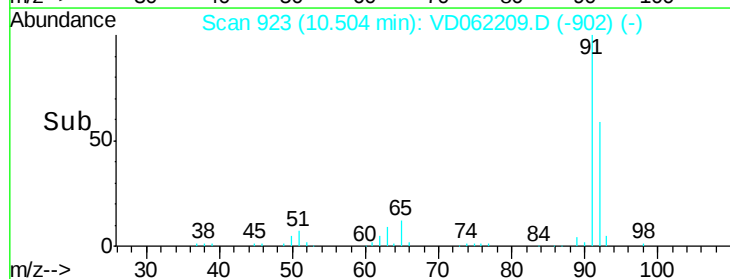
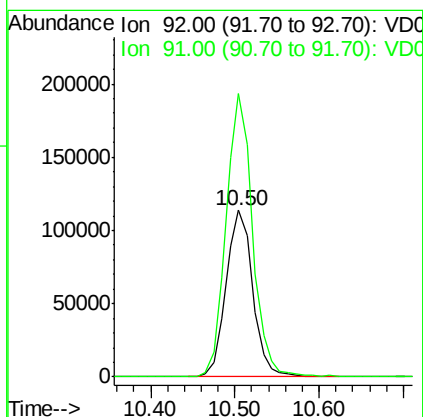
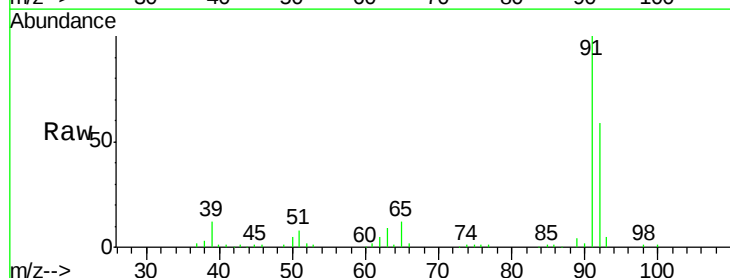
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

Tot Ion: 43 Resp: 338584
Ion Ratio Lower Upper
43 100
58 33.1 30.4 45.6



#52
Toluene
Concen: 19.348 ug/l
RT: 10.50 min Scan# 923
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 92 Resp: 250863
Ion Ratio Lower Upper
92 100
91 169.7 136.6 204.8

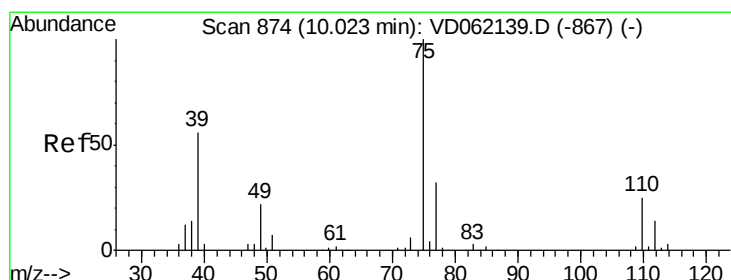
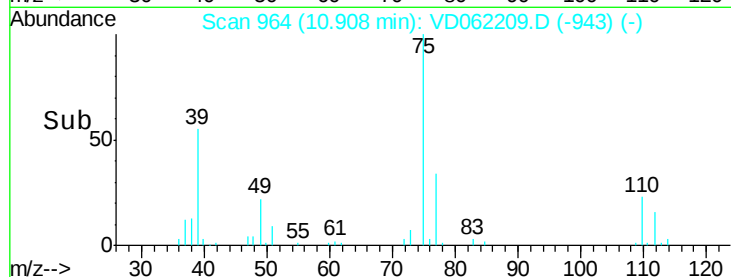
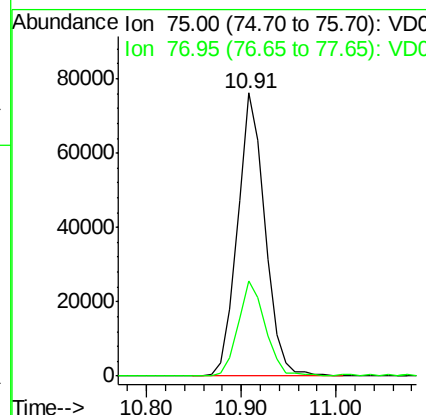
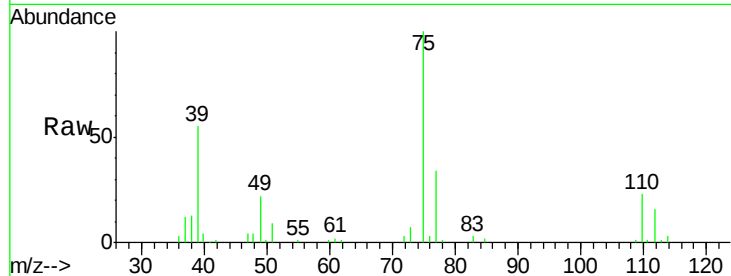




#53
 t-1,3-Dichloropropene
 Concen: 18.024 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

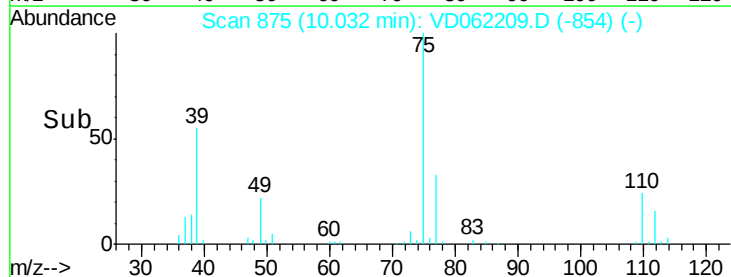
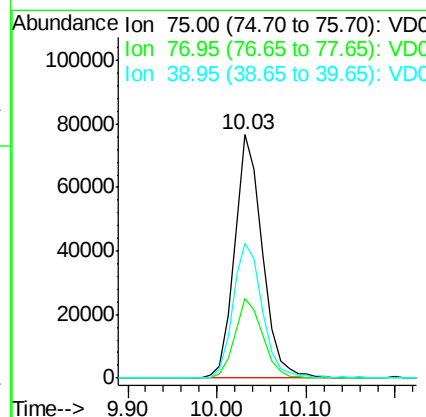
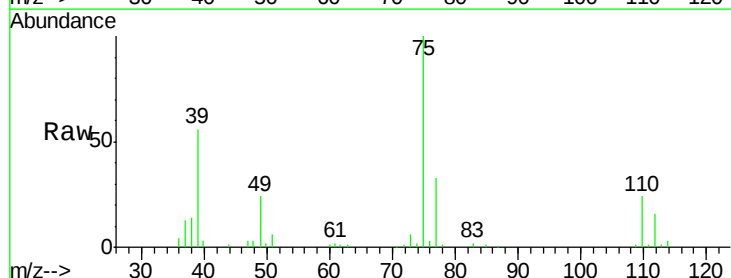
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD01

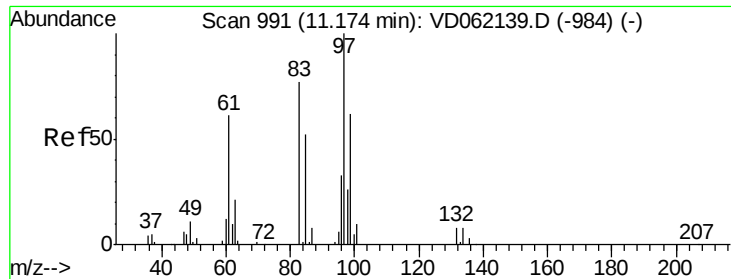
Tot Ion: 75 Resp: 152729
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 18.096 ug/l
 RT: 10.03 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Tgt Ion: 75 Resp: 167284
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.5 38.3
 39 55.6 39.4 59.2

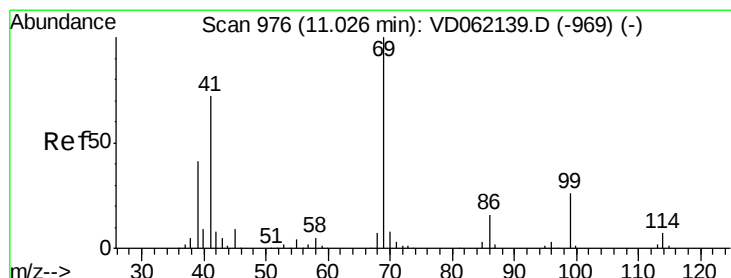
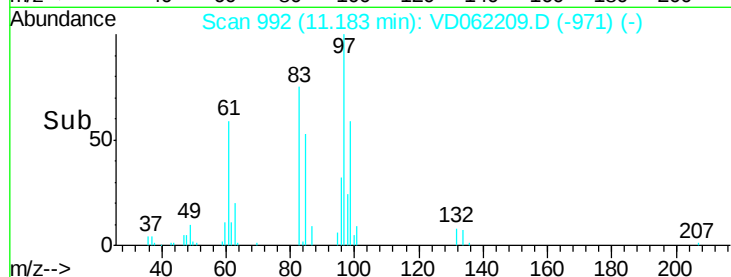
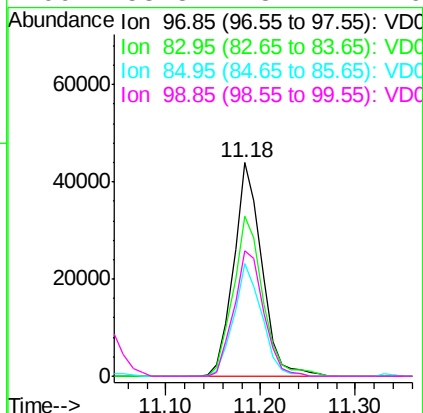
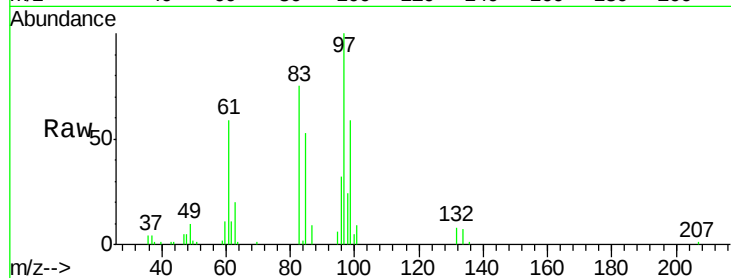




#55
 1,1,2-Trichloroethane
 Concen: 19.760 ug/l
 RT: 11.18 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

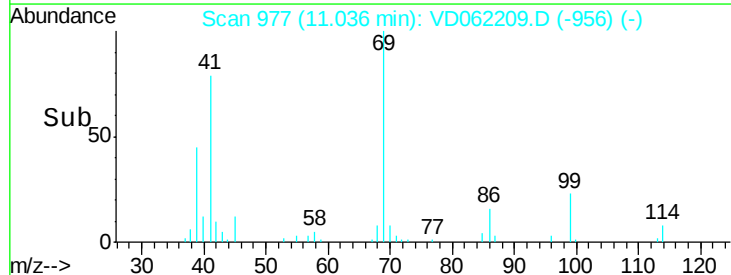
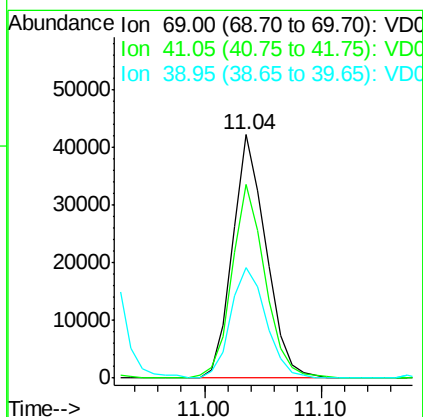
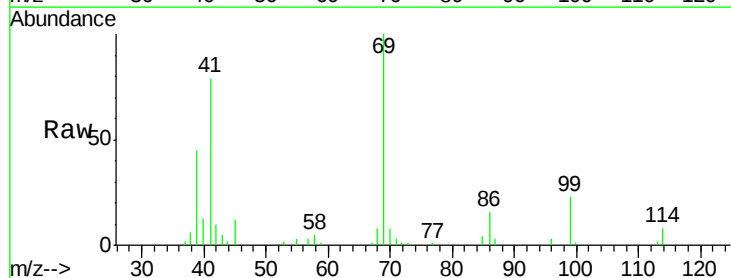
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD01

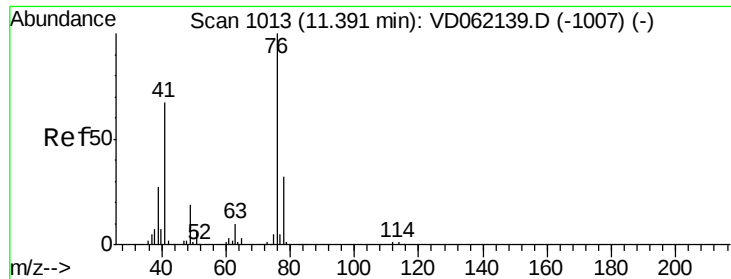
Tot Ion:	97	Resp:	90650
Ion	Ratio	Lower	Upper
97	100		
83	75.1	65.7	98.5
85	52.8	45.6	68.4
99	58.8	48.4	72.6



#56
 Ethyl methacrylate
 Concen: 17.560 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Tgt Ion:	69	Resp:	83710
Ion	Ratio	Lower	Upper
69	100		
41	79.5	56.3	84.5
39	45.4	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 18.341 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

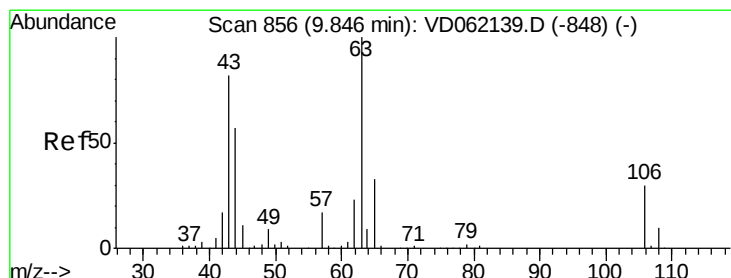
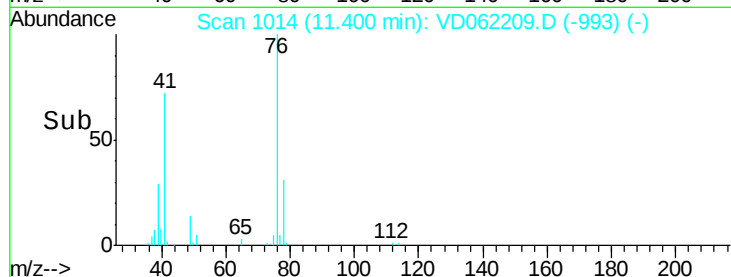
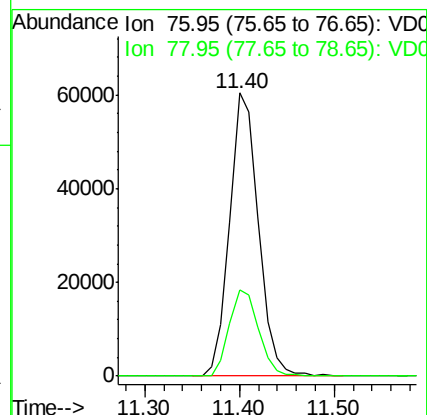
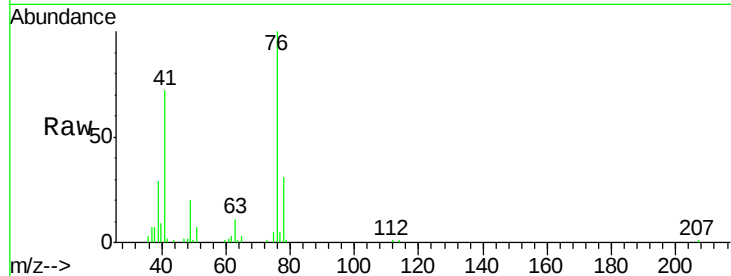
VD0510SBSD01

Tot Ion: 76 Resp: 127114

Ion Ratio Lower Upper

76 100

78 30.7 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 93.813 ug/l

RT: 9.85 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD062209.D

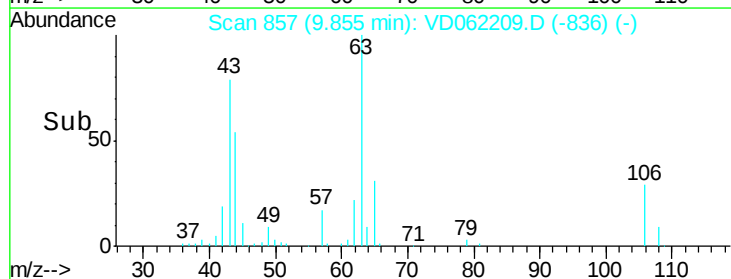
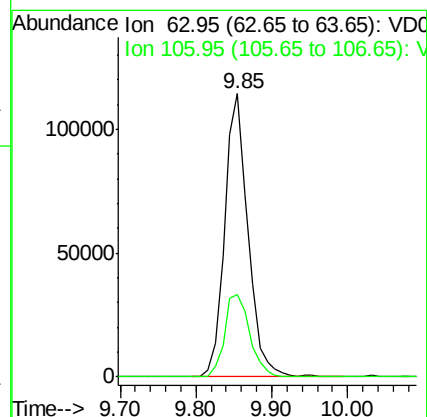
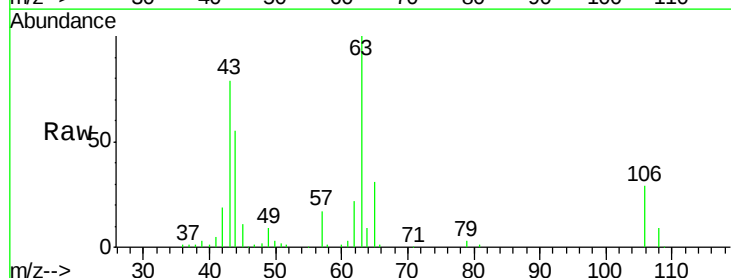
Acq: 10 May 2019 12:17

Tgt Ion: 63 Resp: 244287

Ion Ratio Lower Upper

63 100

106 28.9 22.6 34.0

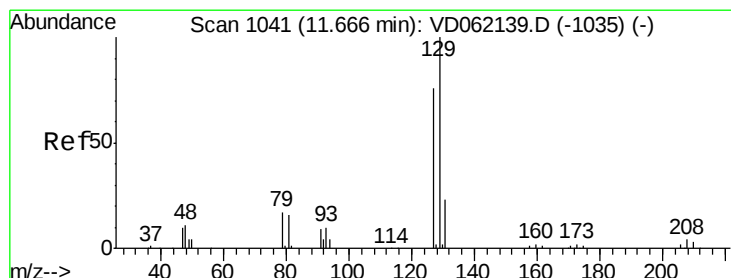
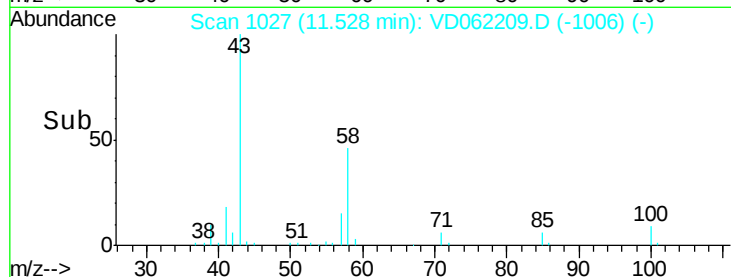
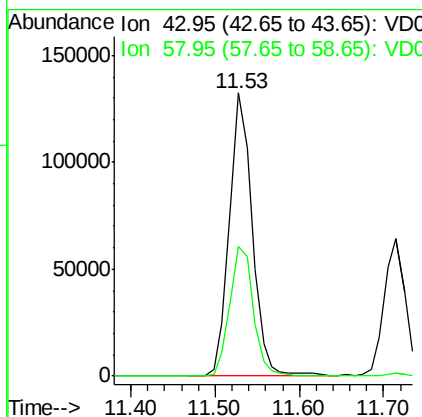
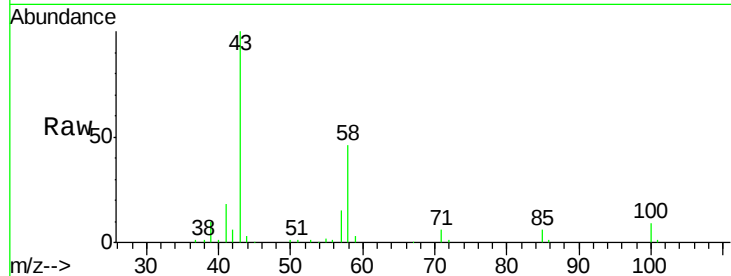




#59
2-Hexanone
Concen: 100.469 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

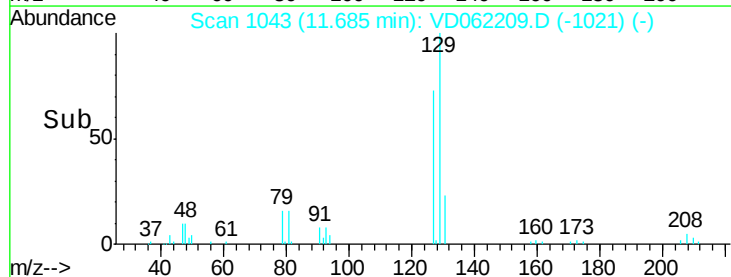
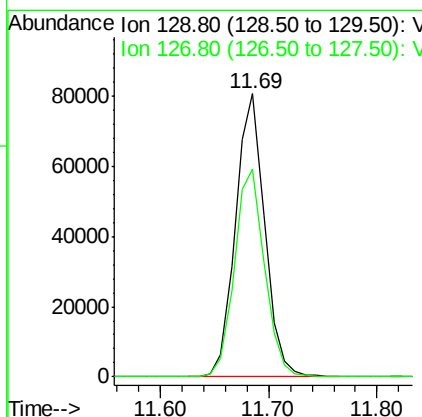
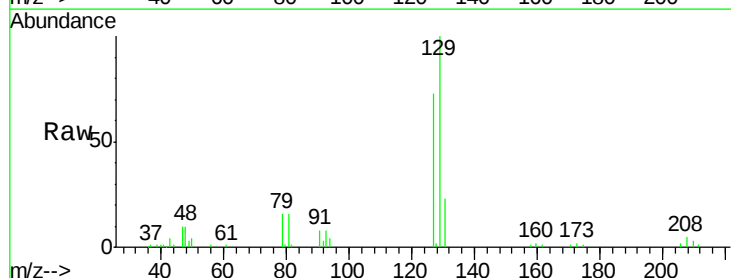
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

Tot Ion: 43 Resp: 252644
Ion Ratio Lower Upper
43 100
58 46.0 25.4 76.4



#60
Dibromochloromethane
Concen: 19.025 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 129 Resp: 150834
Ion Ratio Lower Upper
129 100
127 73.4 38.0 113.9





#61

1,2-Dibromoethane

Concen: 17.874 ug/l

RT: 11.80 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

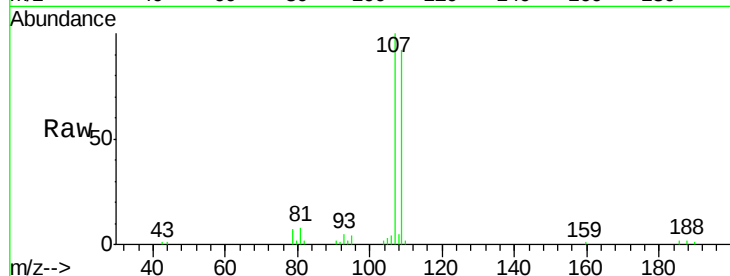
VD0510SBSD01

Tot Ion:107 Resp: 99691

Ion Ratio Lower Upper

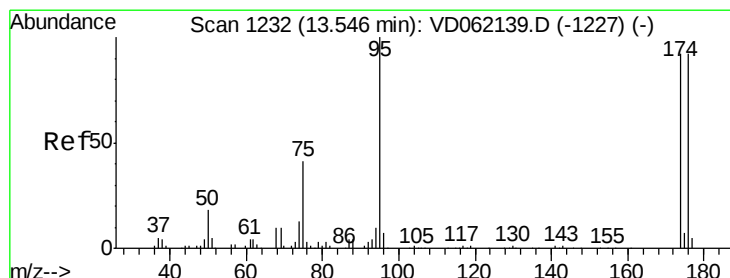
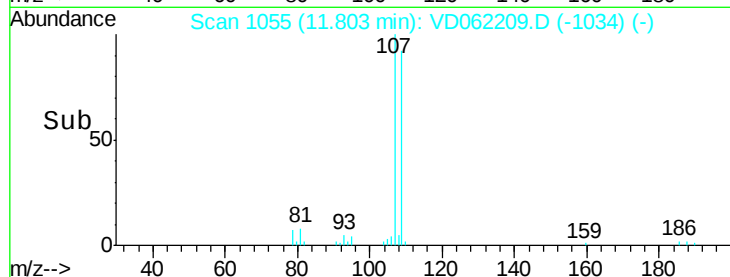
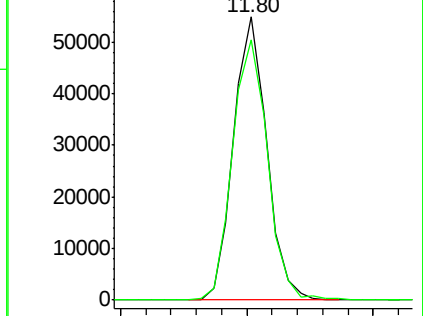
107 100

109 92.2 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 55.789 ug/l

RT: 13.55 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

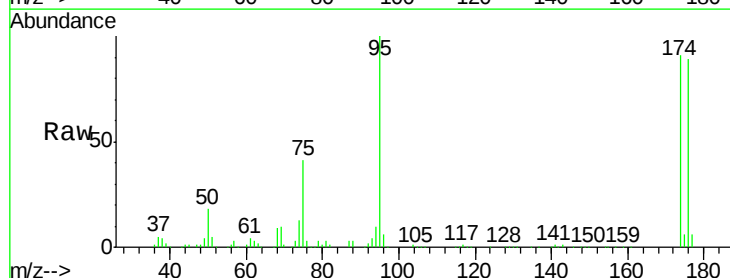
Tgt Ion: 95 Resp: 482375

Ion Ratio Lower Upper

95 100

174 90.6 0.0 181.8

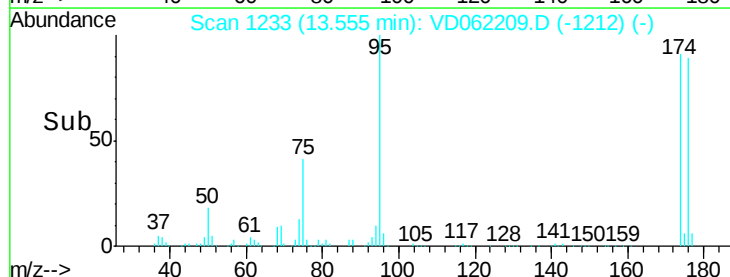
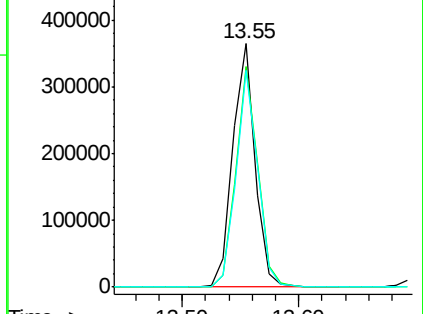
176 89.0 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

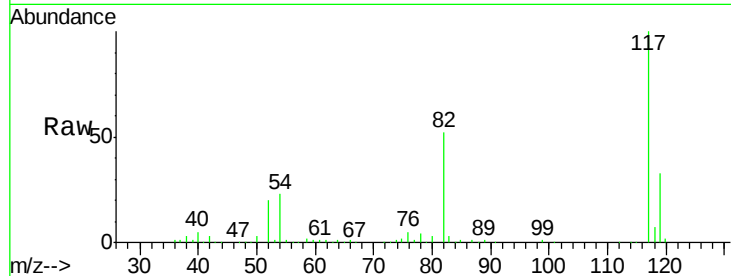




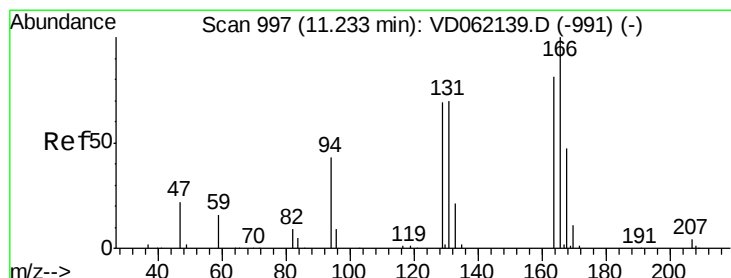
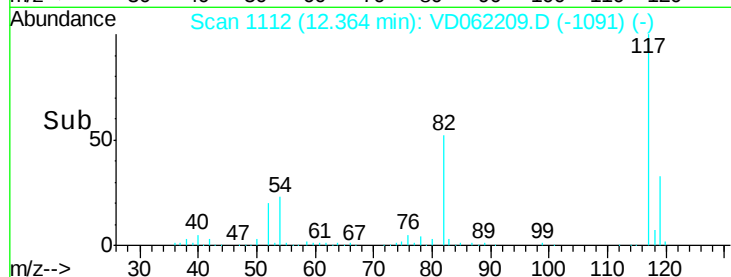
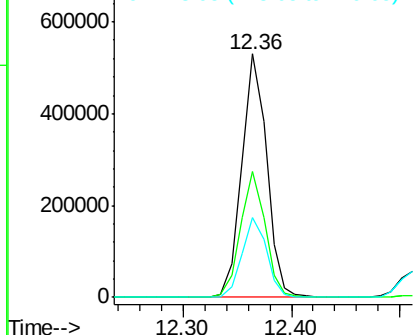
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

Tot Ion:117 Resp: 853893
Ion Ratio Lower Upper
117 100
82 51.8 36.2 54.2
119 33.0 26.2 39.4

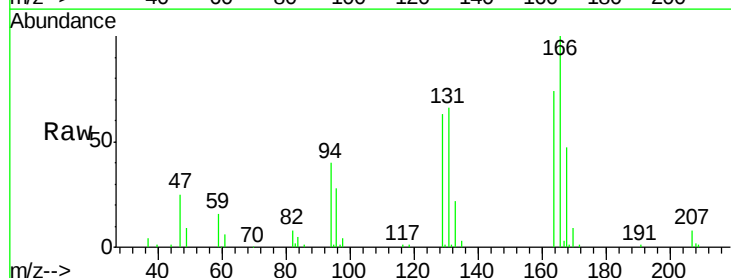


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

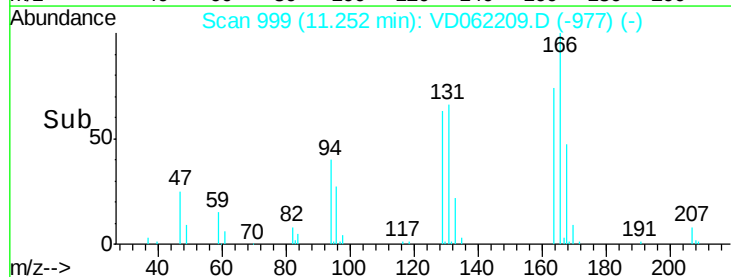
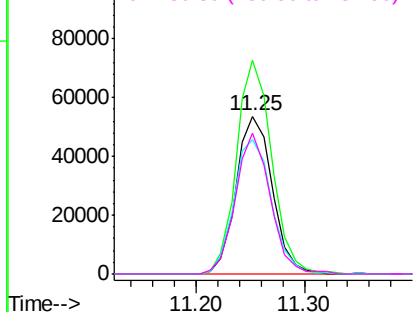


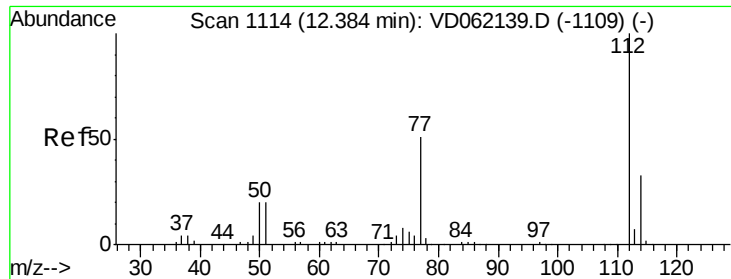
#64
Tetrachloroethene
Concen: 18.611 ug/l
RT: 11.25 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion:164 Resp: 124269
Ion Ratio Lower Upper
164 100
166 135.1 101.5 152.3
129 85.0 74.6 112.0
131 89.0 72.6 108.8



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

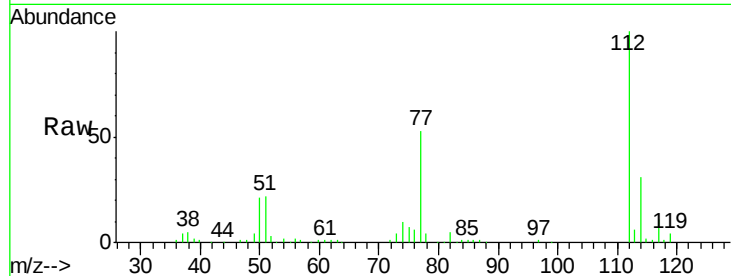




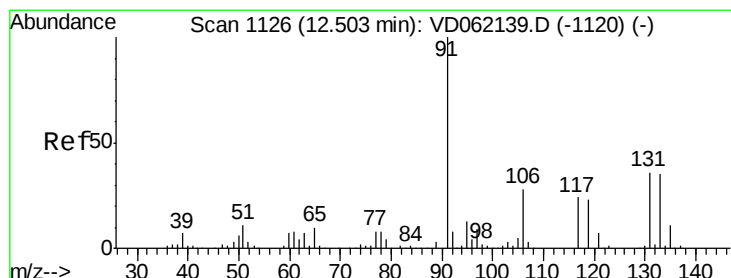
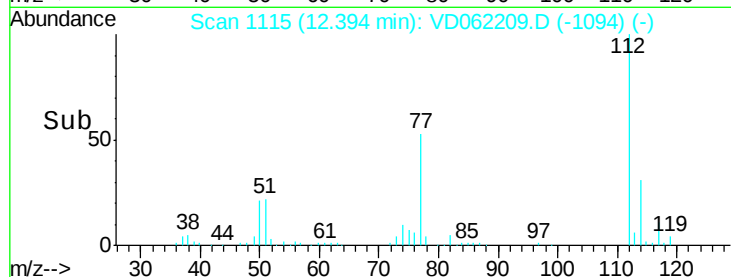
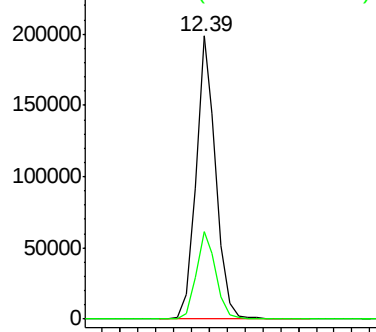
#65
Chlorobenzene
Concen: 19.420 ug/l
RT: 12.39 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

Tot Ion:112 Resp: 308856
Ion Ratio Lower Upper
112 100
114 30.7 25.8 38.8

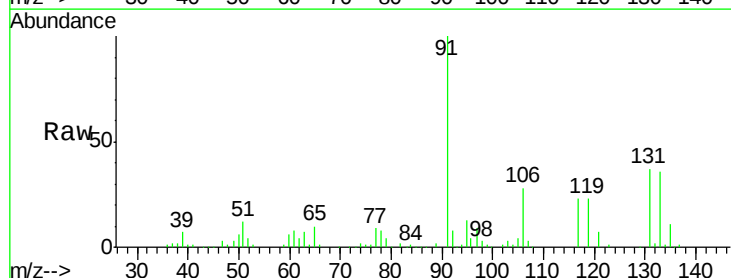


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

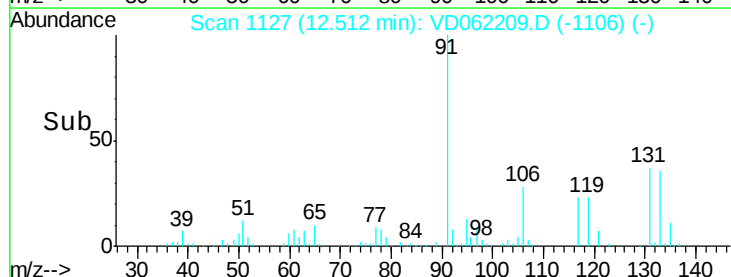
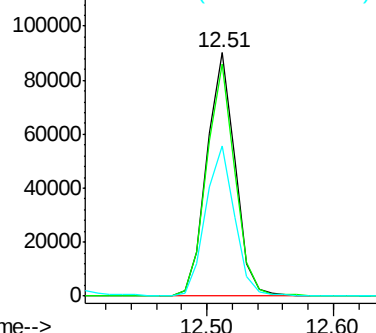


#66
1,1,1,2-Tetrachloroethane
Concen: 20.067 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion:131 Resp: 138897
Ion Ratio Lower Upper
131 100
133 95.5 48.6 145.8
119 61.7 34.7 104.1



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

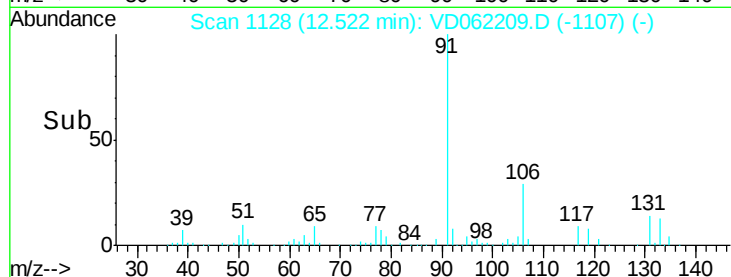
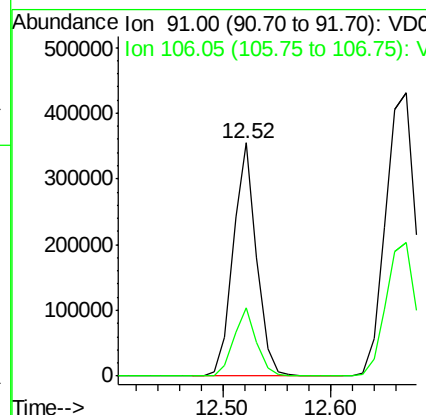
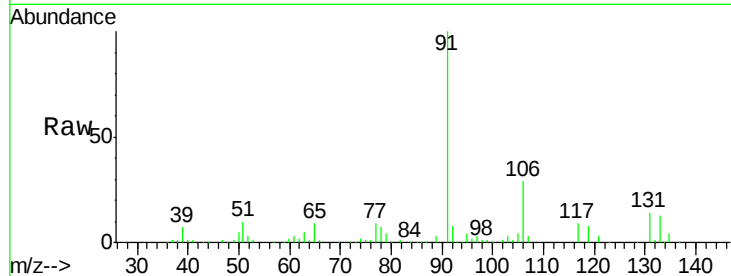




#67
Ethyl Benzene
Concen: 19.889 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

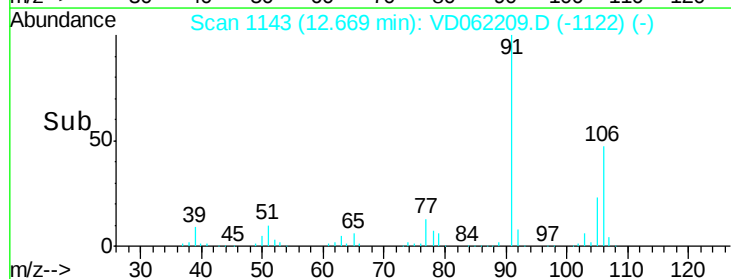
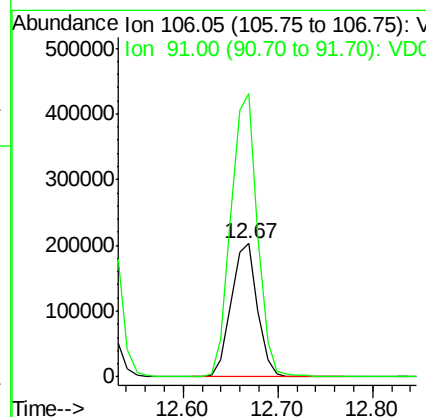
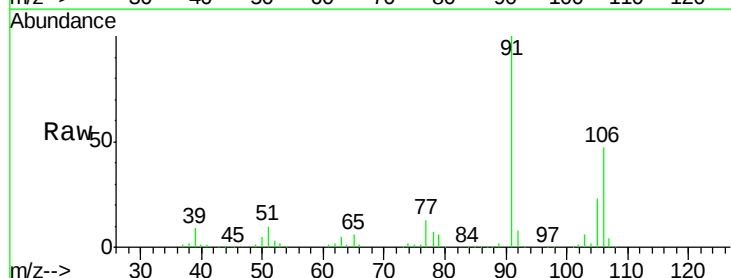
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

Tot Ion: 91 Resp: 529564
Ion Ratio Lower Upper
91 100
106 29.1 24.7 37.1



#68
m/p-Xylenes
Concen: 40.151 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 106 Resp: 388945
Ion Ratio Lower Upper
106 100
91 212.0 164.0 246.0

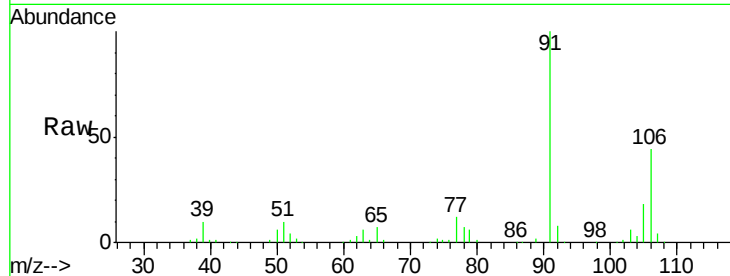




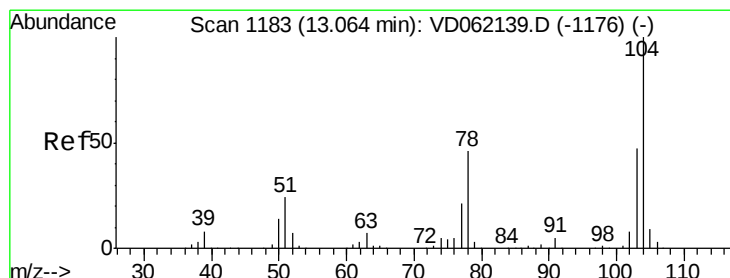
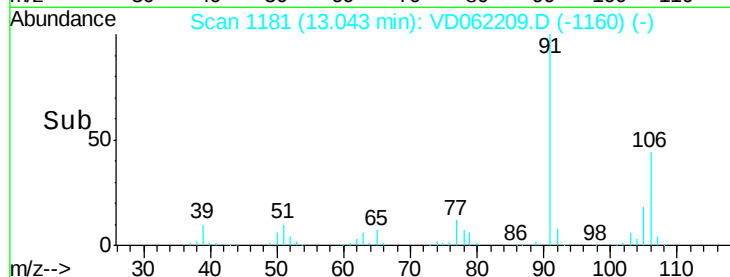
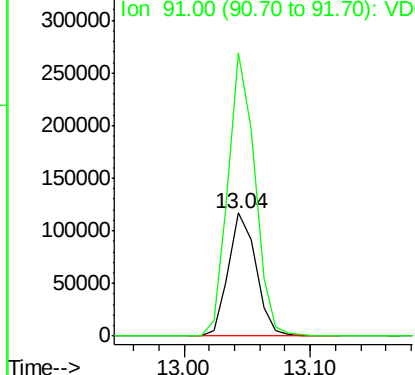
#69
o-Xylene
Concen: 19.631 ug/l
RT: 13.04 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD0510SBS01

Tot Ion:106 Resp: 176796
Ion Ratio Lower Upper
106 100
91 229.8 106.7 319.9

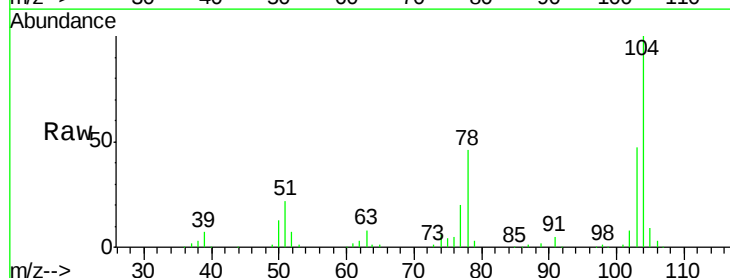


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

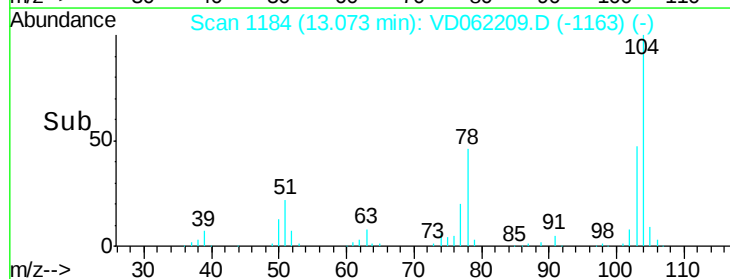
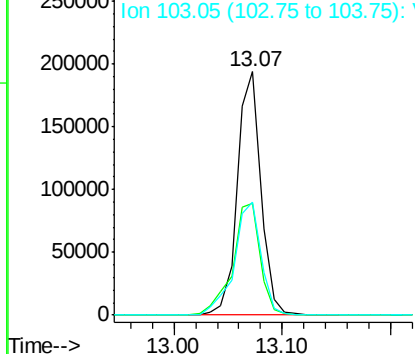


#70
Styrene
Concen: 19.128 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion:104 Resp: 291819
Ion Ratio Lower Upper
104 100
78 45.7 35.4 53.2
103 46.6 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: 19.766 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBS01

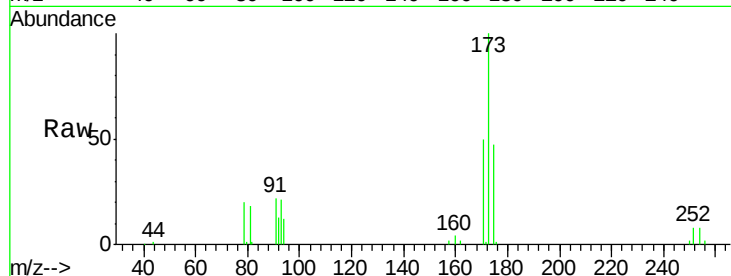
Tot Ion:173 Resp: 95188

Ion Ratio Lower Upper

173 100

175 47.1 24.4 73.4

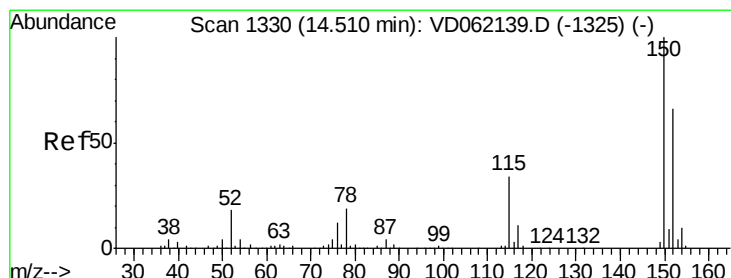
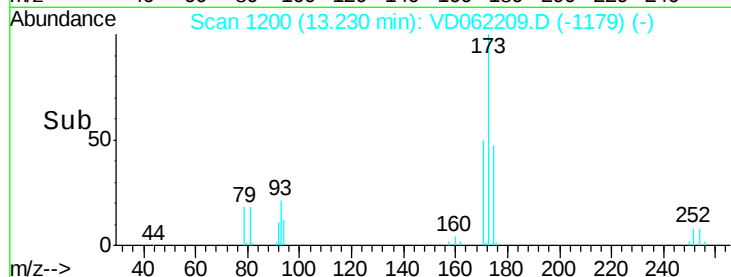
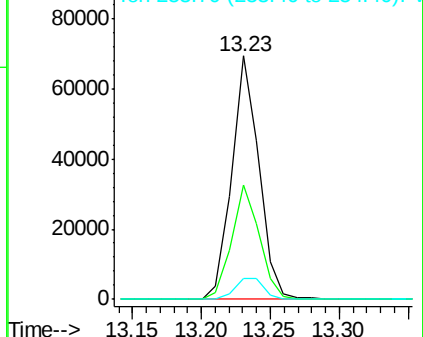
254 8.3 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

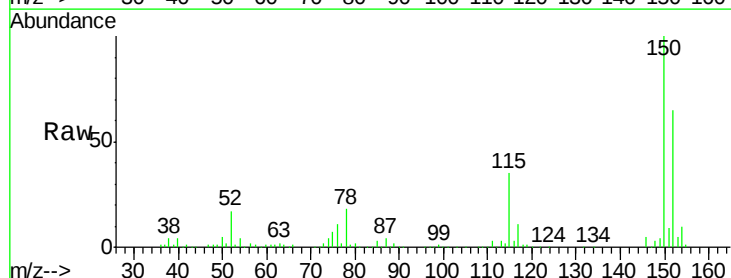
Tgt Ion:152 Resp: 446158

Ion Ratio Lower Upper

152 100

115 52.8 30.9 92.7

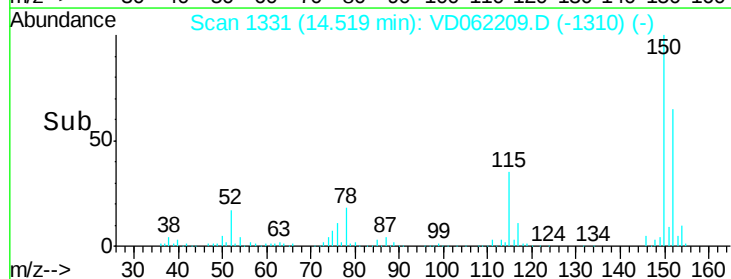
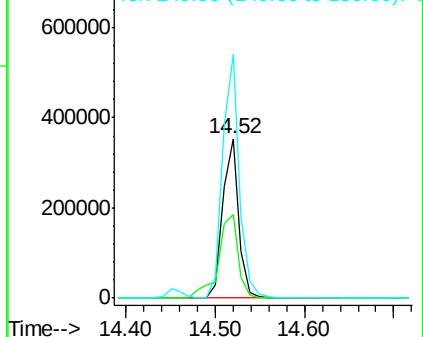
150 152.7 0.0 314.8

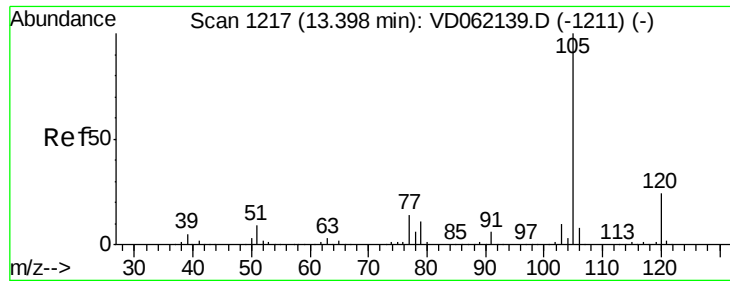


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.339 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

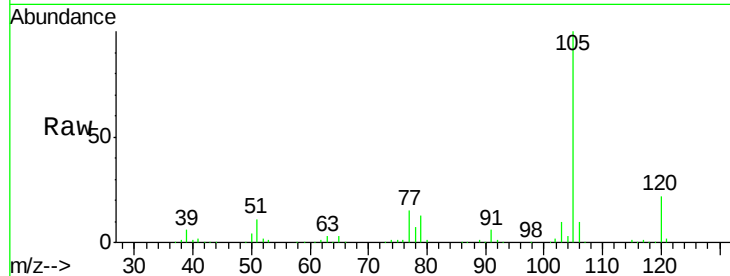
VD0510SBS01

Tot Ion:105 Resp: 543955

Ion Ratio Lower Upper

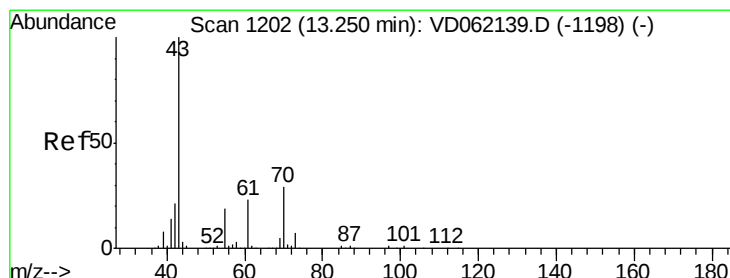
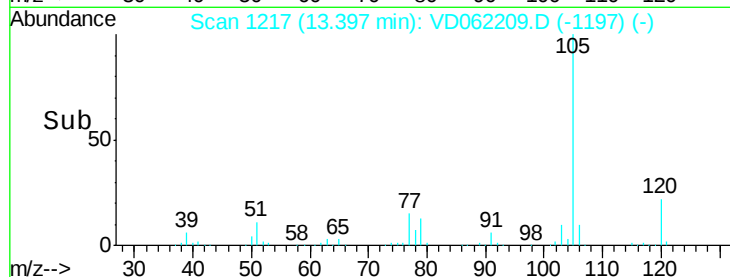
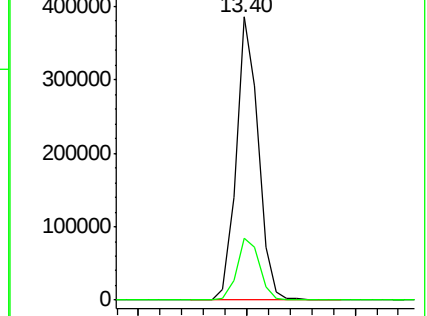
105 100

120 22.0 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 17.792 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Tgt Ion: 43 Resp: 124753

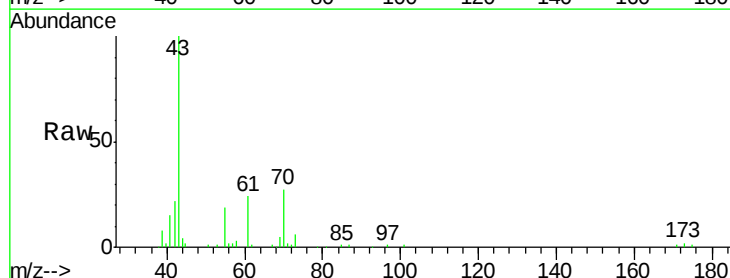
Ion Ratio Lower Upper

43 100

70 26.7 24.2 36.4

55 18.8 16.0 24.0

61 23.9 21.6 32.4

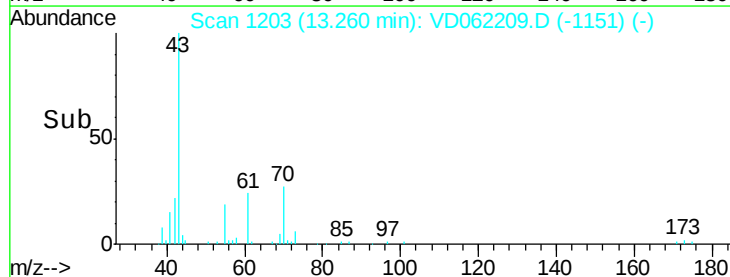
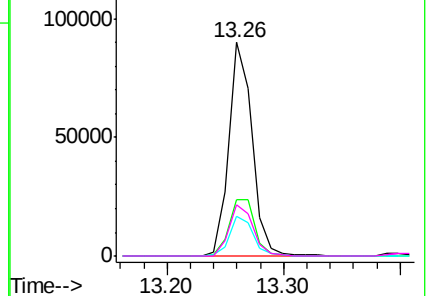


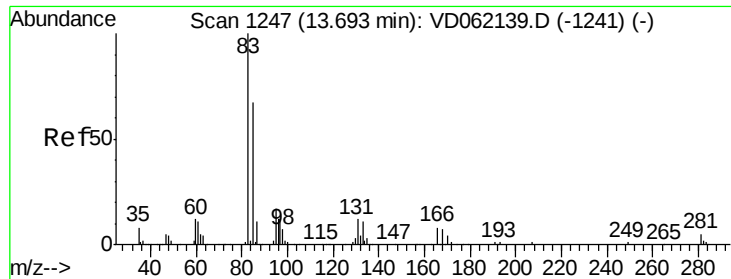
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.078 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBSD01

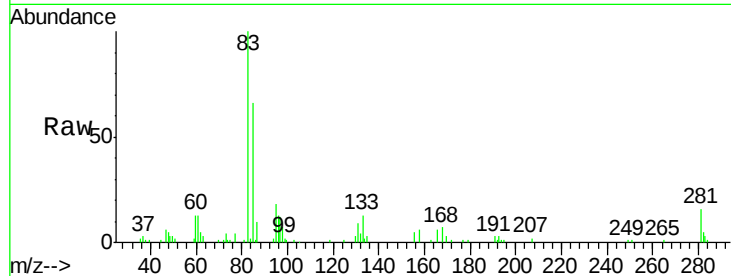
Tot Ion: 83 Resp: 96592

Ion Ratio Lower Upper

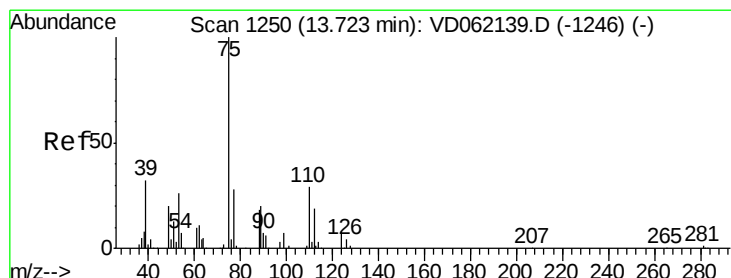
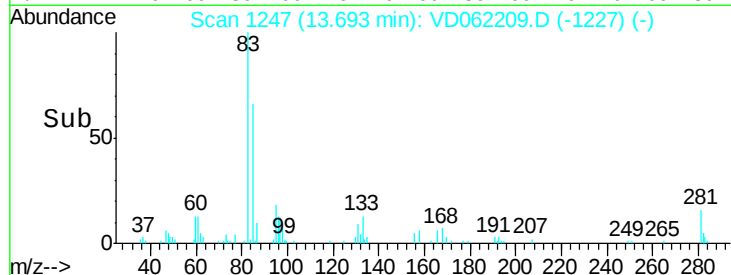
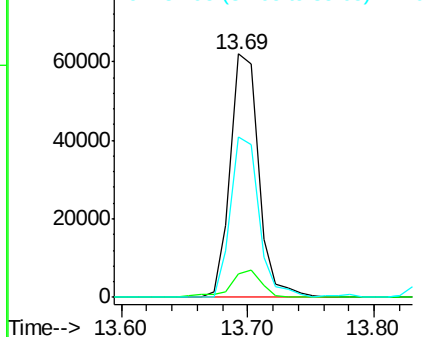
83 100

131 9.4 5.0 14.9

85 65.7 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: 19.300 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062209.D

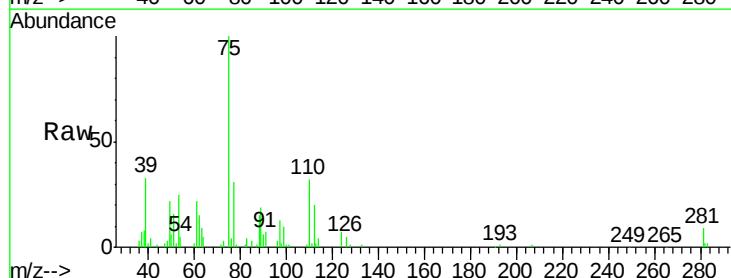
Acq: 10 May 2019 12:17

Tgt Ion: 75 Resp: 102335

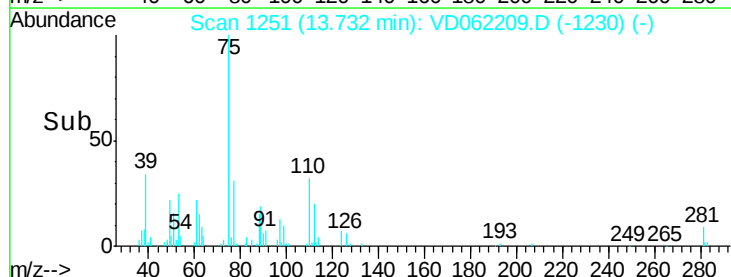
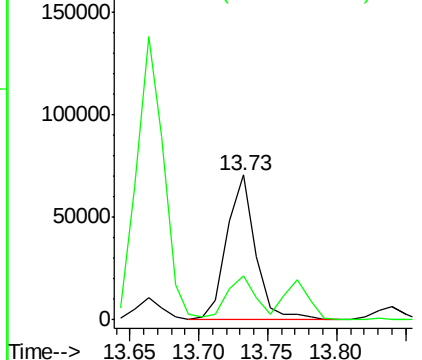
Ion Ratio Lower Upper

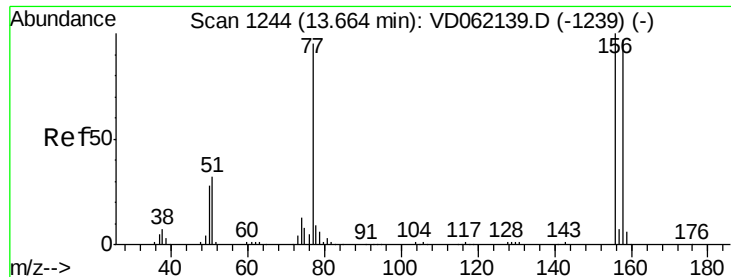
75 100

77 30.6 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: 21.822 ug/l

RT: 13.66 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBSD01

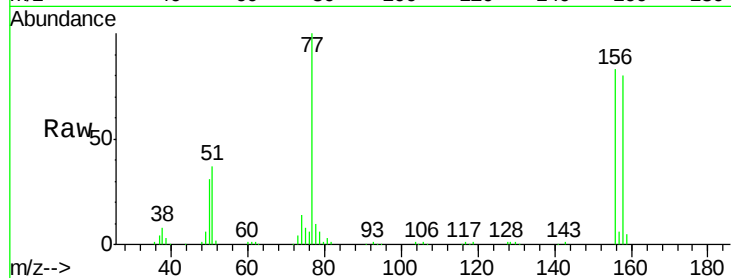
Tot Ion:156 Resp: 163373

Ion Ratio Lower Upper

156 100

77 121.0 53.1 159.4

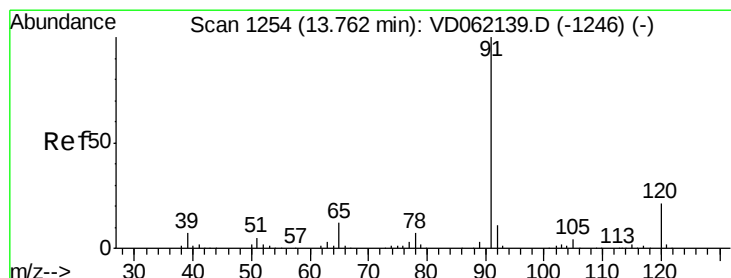
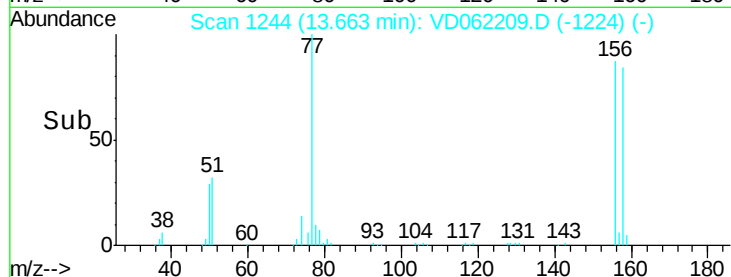
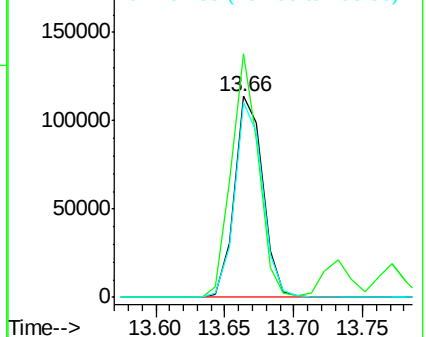
158 97.1 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.663 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD062209.D

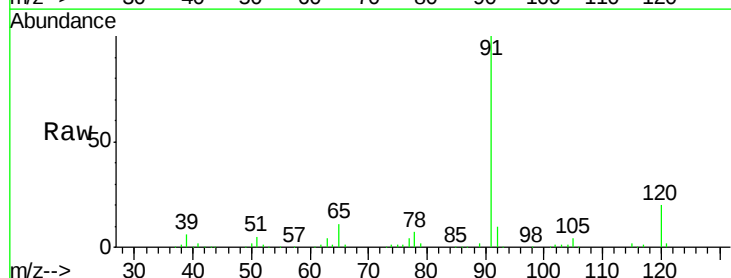
Acq: 10 May 2019 12:17

Tgt Ion: 91 Resp: 627318

Ion Ratio Lower Upper

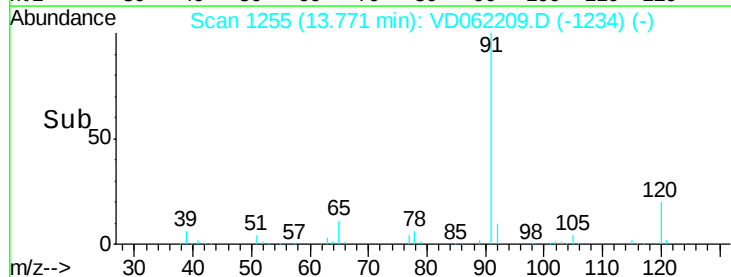
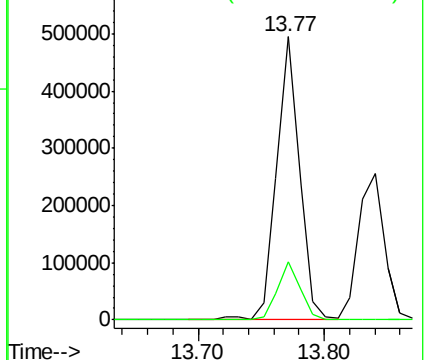
91 100

120 20.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

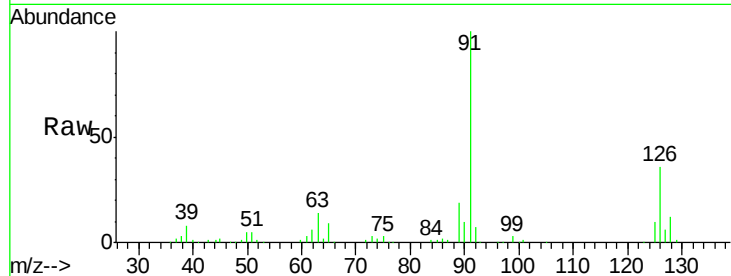




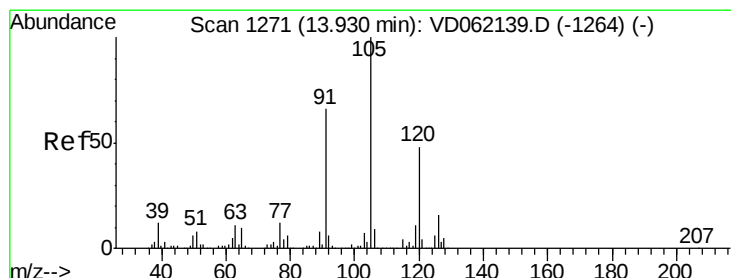
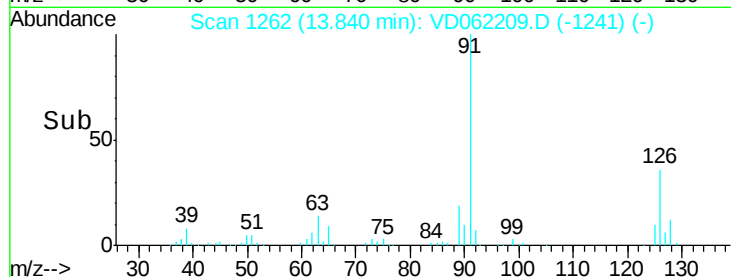
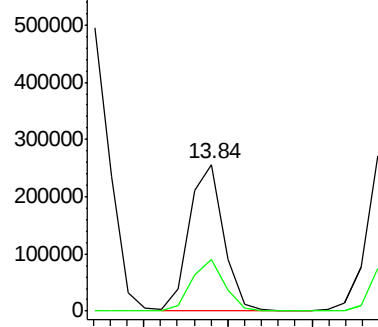
#79
 2-Chlorotoluene
 Concen: 19.715 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD01

Tot Ion: 91 Resp: 360212
 Ion Ratio Lower Upper
 91 100
 126 35.6 18.6 55.8

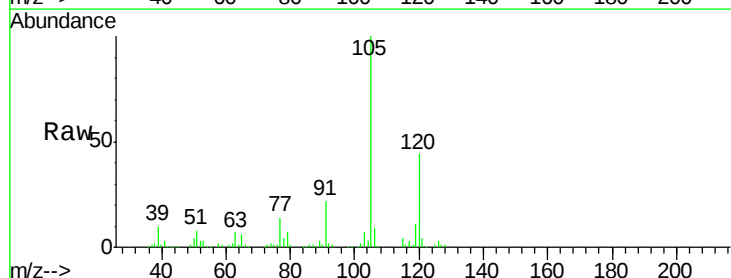


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

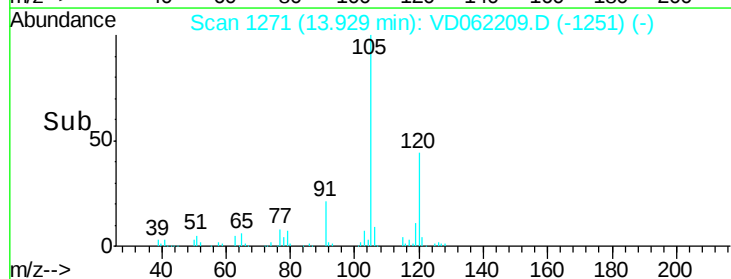
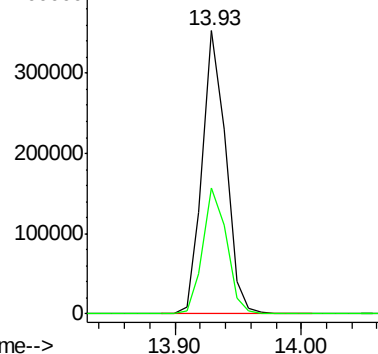


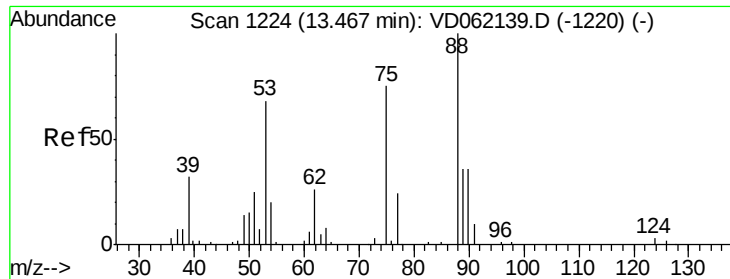
#80
 1,3,5-Trimethylbenzene
 Concen: 20.124 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Tgt Ion: 105 Resp: 453218
 Ion Ratio Lower Upper
 105 100
 120 44.4 24.0 72.0



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

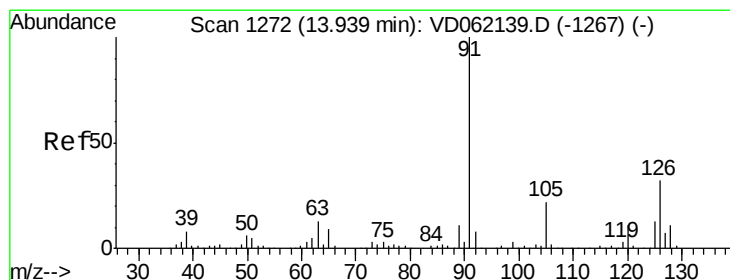
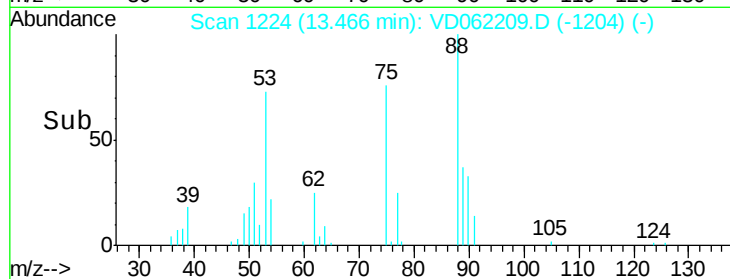
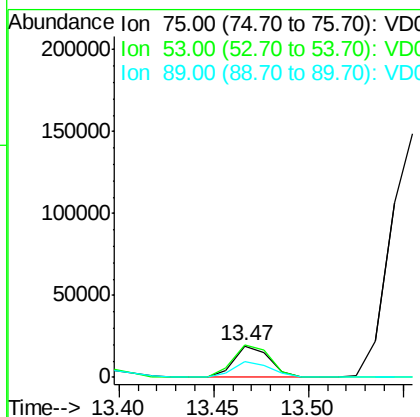
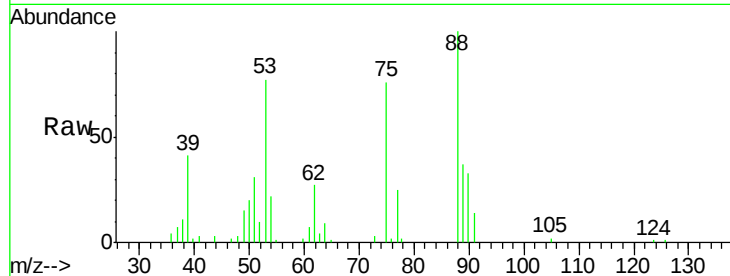




#81
trans-1,4-Dichloro-2-butene
Concen: 16.706 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

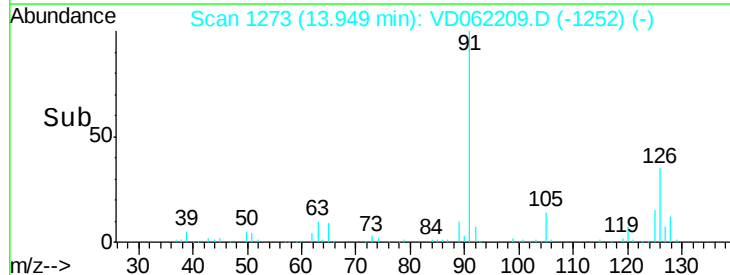
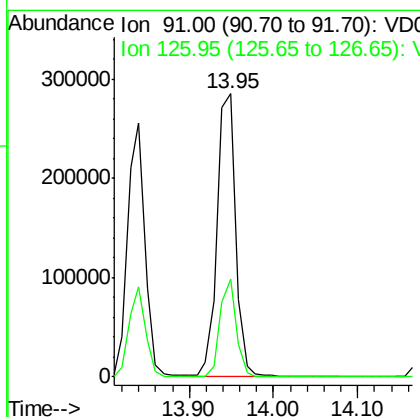
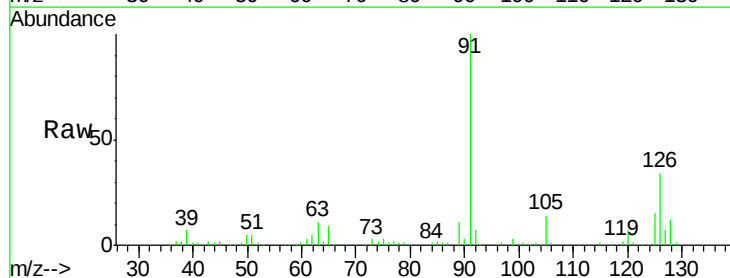
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

Tot Ion: 75 Resp: 25007
Ion Ratio Lower Upper
75 100
53 100.8 65.8 98.8#
89 48.2 35.0 52.6



#82
4-Chlorotoluene
Concen: 20.391 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 91 Resp: 438423
Ion Ratio Lower Upper
91 100
126 34.3 19.1 57.5

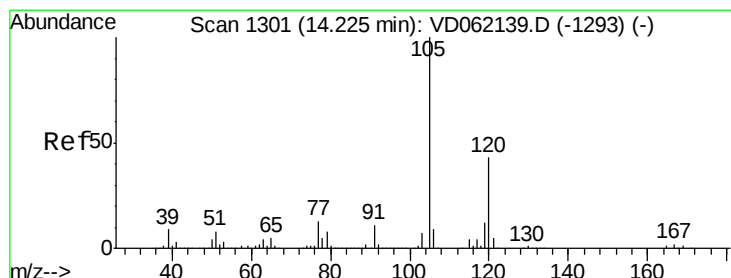
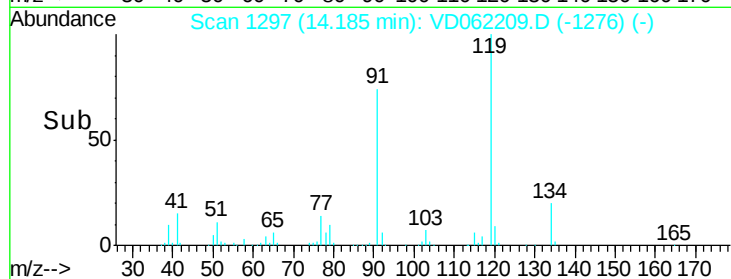
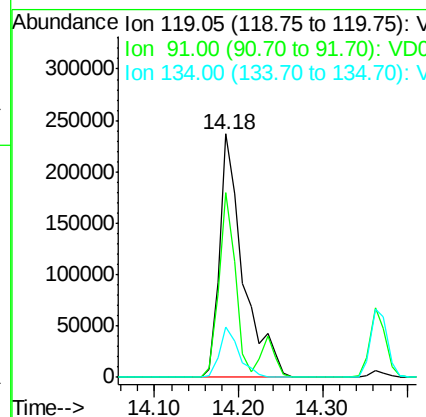
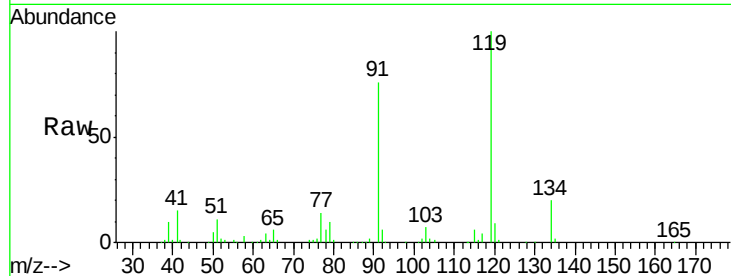




#83
tert-Butylbenzene
Concen: 18.229 ug/l
RT: 14.18 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

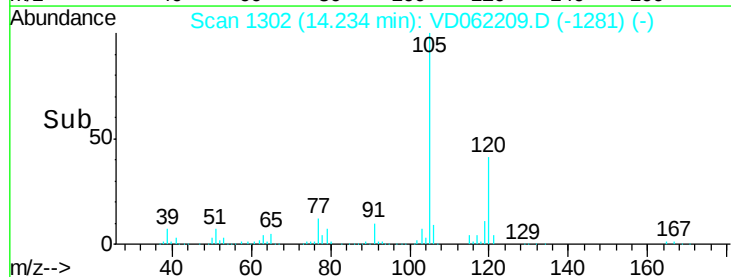
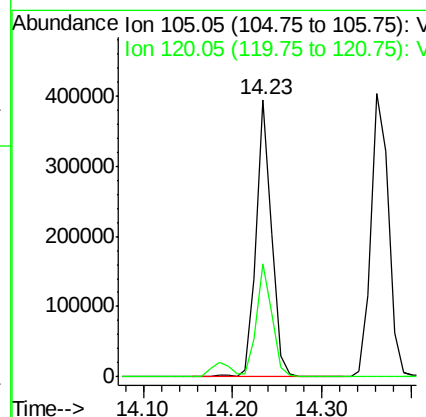
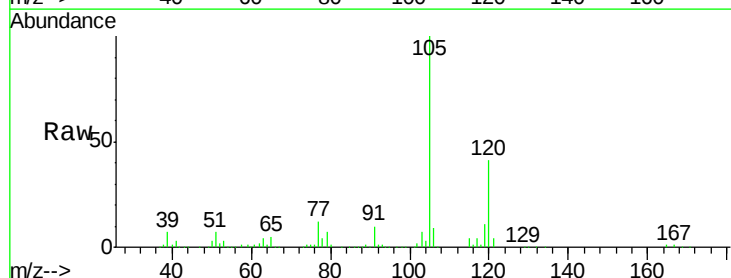
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

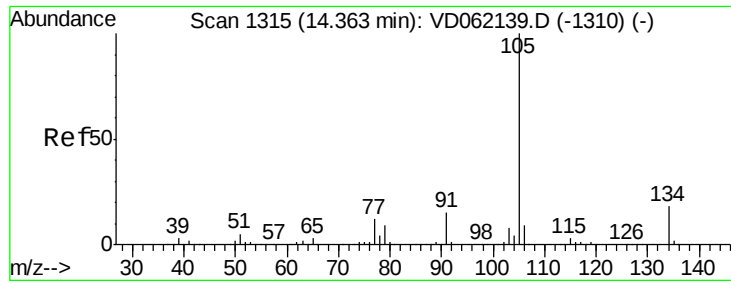
Tot Ion:119 Resp: 461441
Ion Ratio Lower Upper
119 100
91 75.7 34.2 102.6
134 20.4 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 20.581 ug/l
RT: 14.23 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion:105 Resp: 465111
Ion Ratio Lower Upper
105 100
120 40.8 23.1 69.2

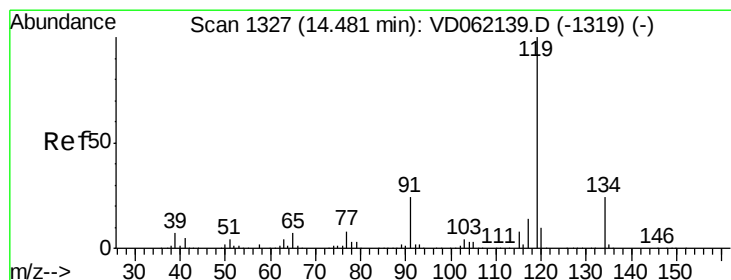
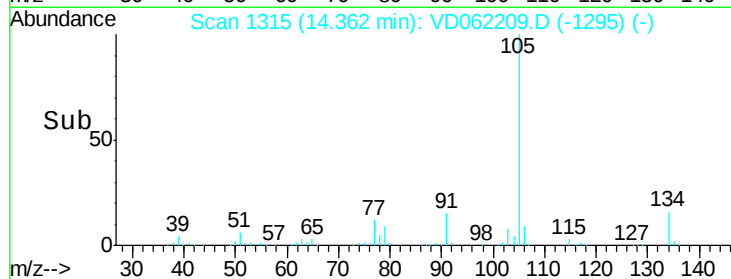
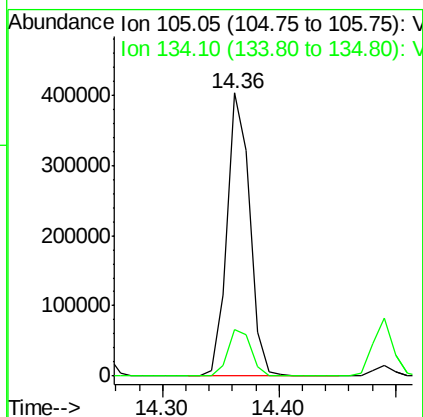
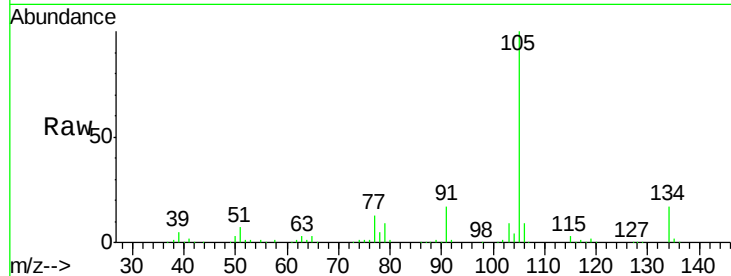




#85
 sec-Butylbenzene
 Concen: 19.565 ug/l
 RT: 14.36 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

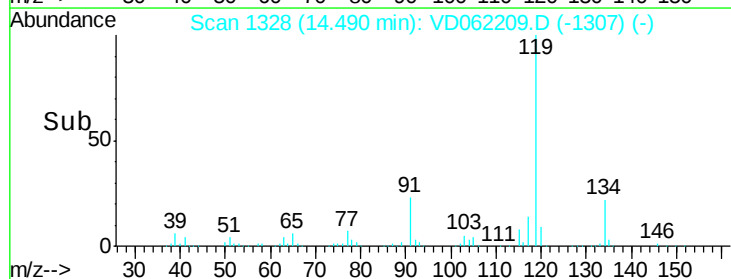
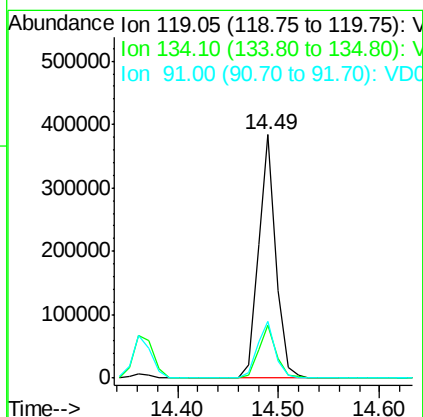
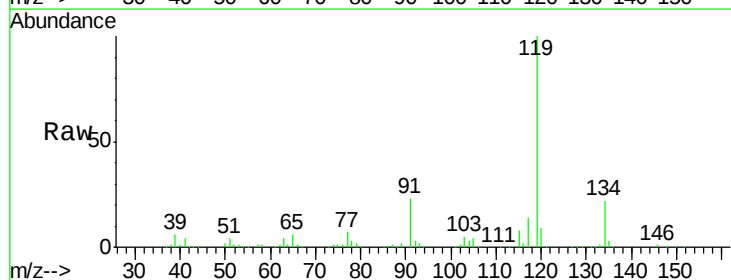
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD01

Tot Ion:105 Resp: 543010
 Ion Ratio Lower Upper
 105 100
 134 16.5 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 18.565 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Tgt Ion:119 Resp: 460334
 Ion Ratio Lower Upper
 119 100
 134 21.7 12.8 38.3
 91 23.5 10.7 32.1

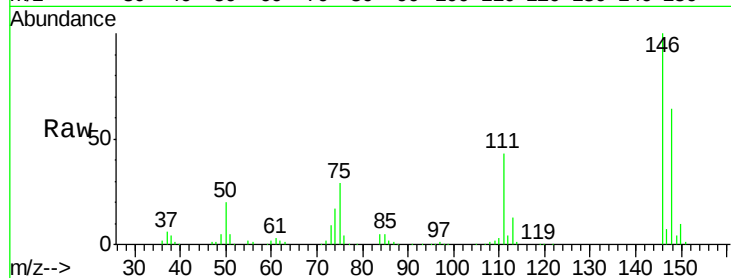




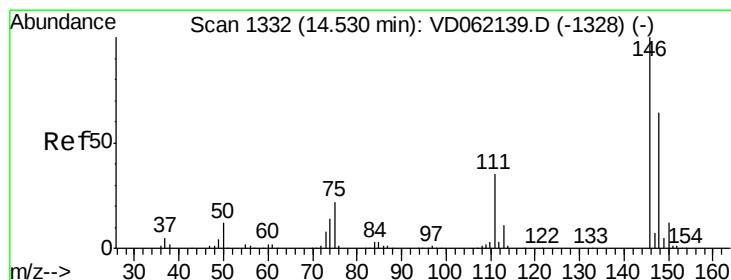
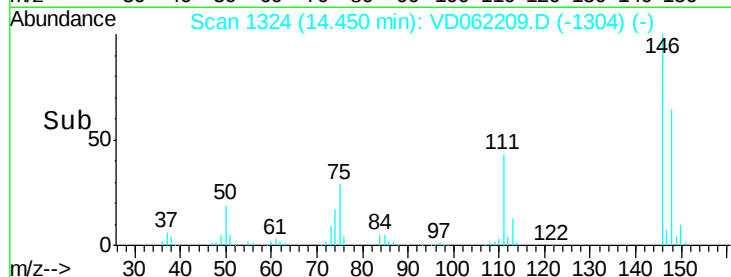
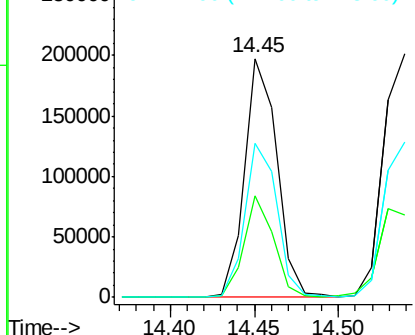
#87
 1,3-Dichlorobenzene
 Concen: 19.251 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD01

Tot Ion:146 Resp: 263284
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.0 60.0
 148 64.3 31.8 95.4

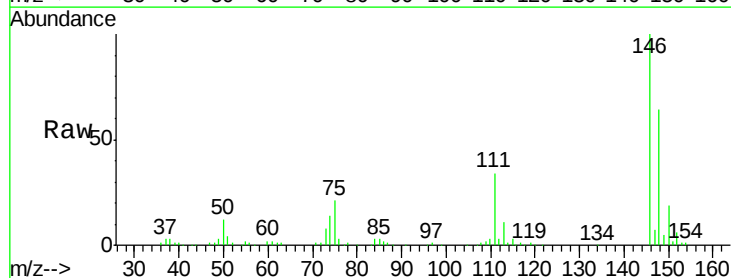


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

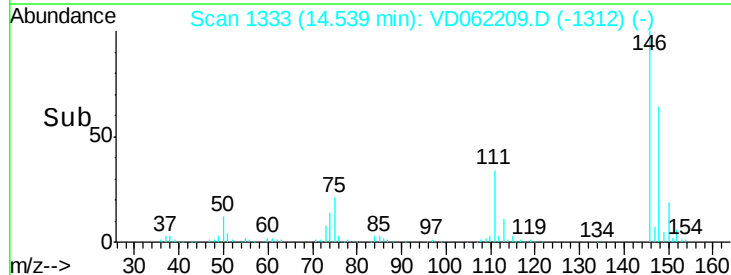
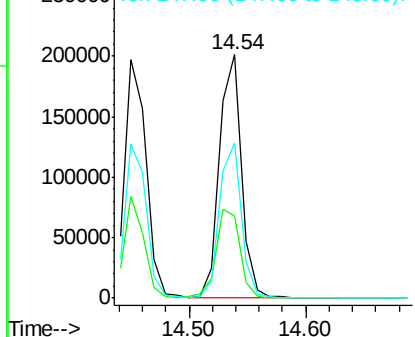


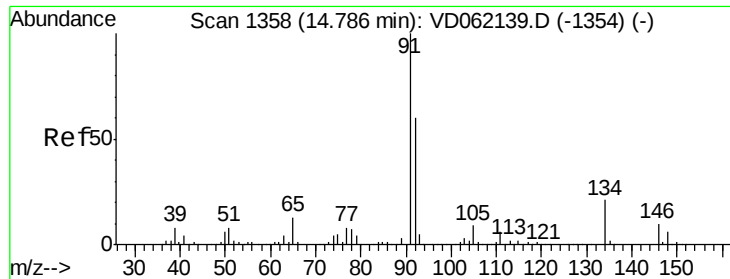
#88
 1,4-Dichlorobenzene
 Concen: 19.607 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Tgt Ion:146 Resp: 263479
 Ion Ratio Lower Upper
 146 100
 111 33.6 20.2 60.5
 148 63.6 32.0 96.2



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

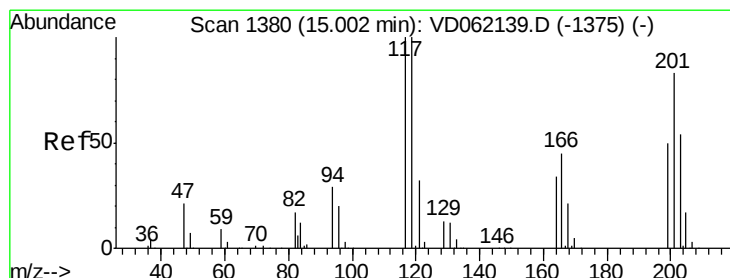
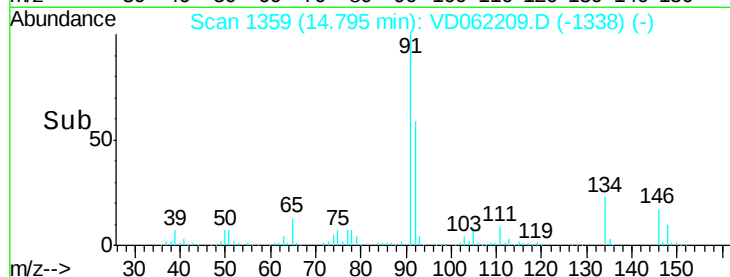
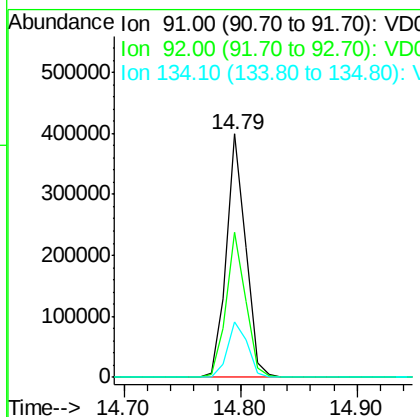
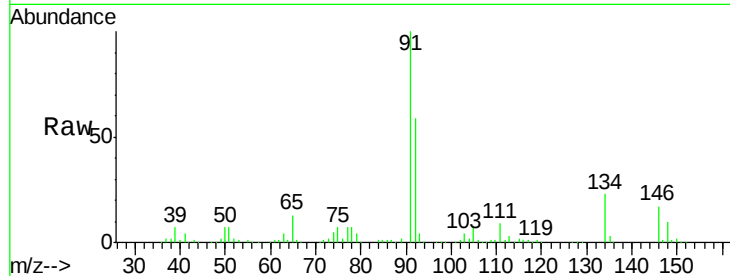




#89
n-Butylbenzene
Concen: 20.742 ug/l
RT: 14.79 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

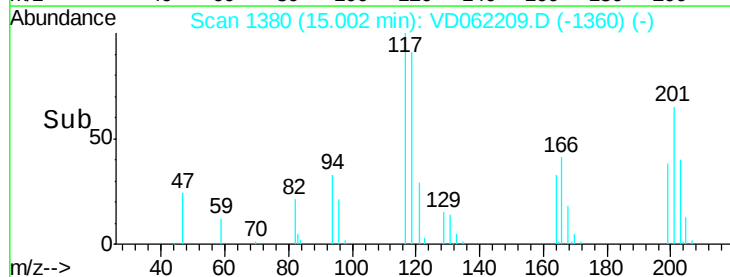
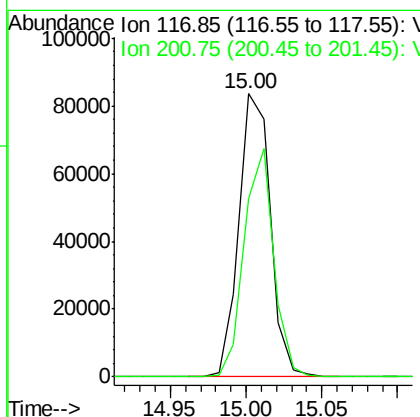
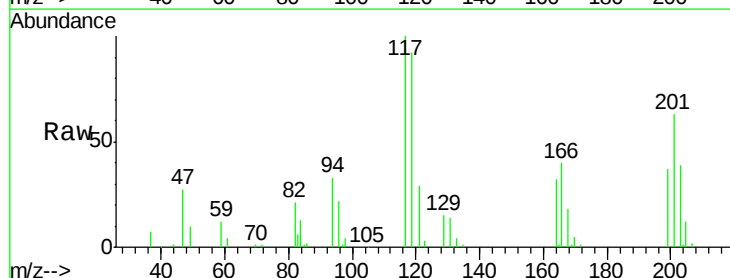
Instrument :
MSVOA_D
ClientSampleId :
VD0510SBSD01

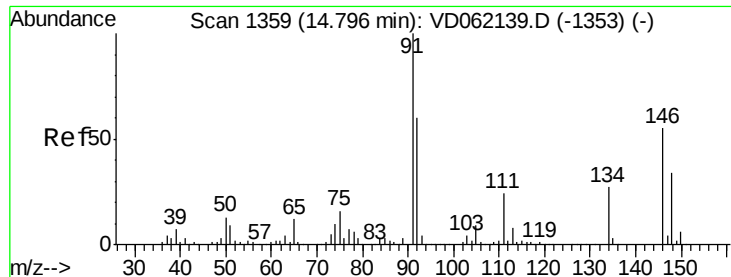
Tot Ion: 91 Resp: 461638
Ion Ratio Lower Upper
91 100
92 59.4 30.3 91.0
134 22.9 14.5 43.6



#90
Hexachloroethane
Concen: 17.880 ug/l
RT: 15.00 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062209.D
Acq: 10 May 2019 12:17

Tgt Ion: 117 Resp: 120566
Ion Ratio Lower Upper
117 100
201 63.1 30.2 90.6

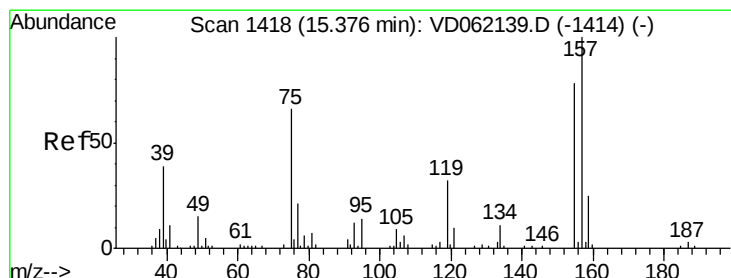
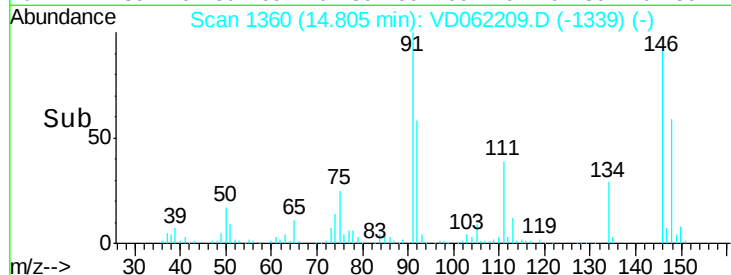
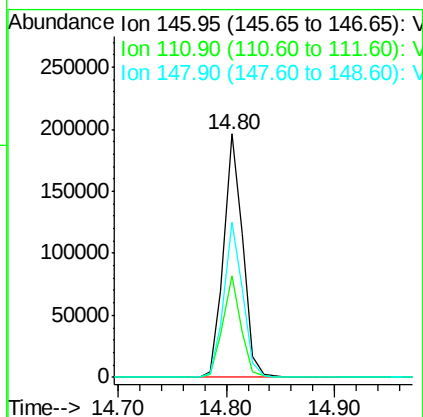
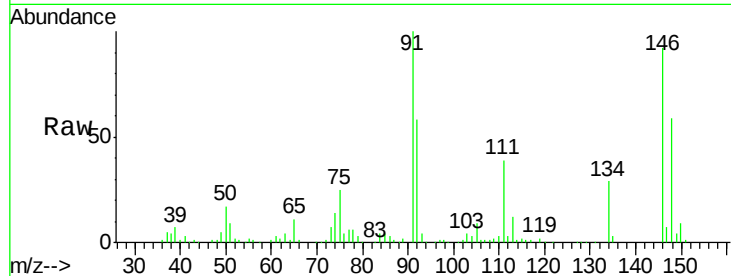




#91
 1,2-Dichlorobenzene
 Concen: 21.399 ug/l
 RT: 14.80 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

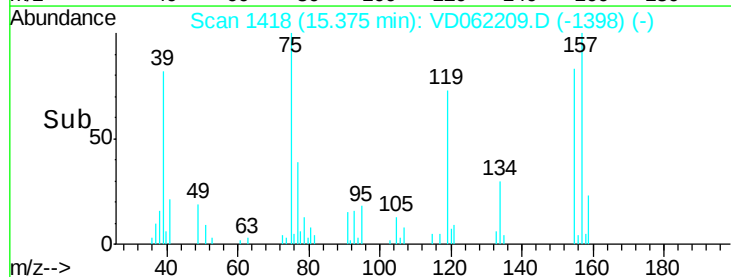
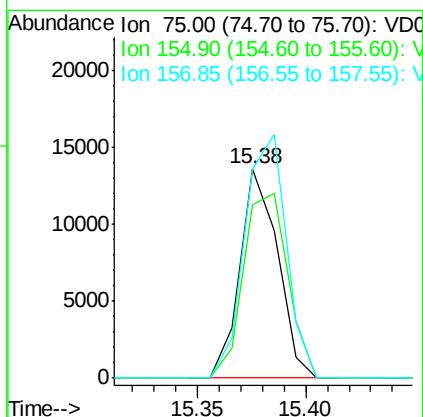
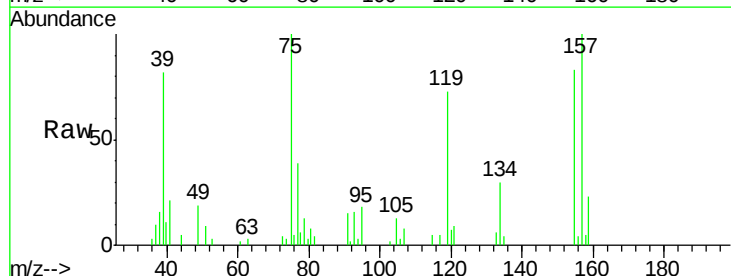
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD01

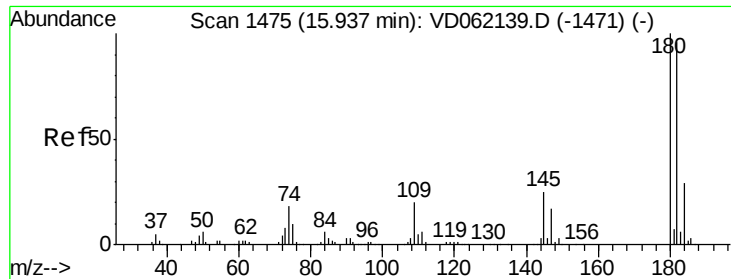
Tot Ion:146 Resp: 241021
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.0 59.9
 148 63.7 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.847 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Tgt Ion: 75 Resp: 16495
 Ion Ratio Lower Upper
 75 100
 155 82.9 55.3 165.8
 157 100.0 67.8 203.2

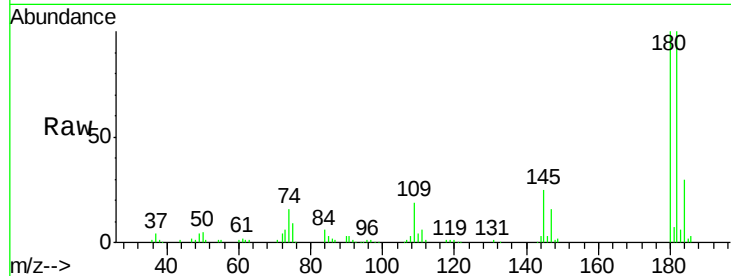




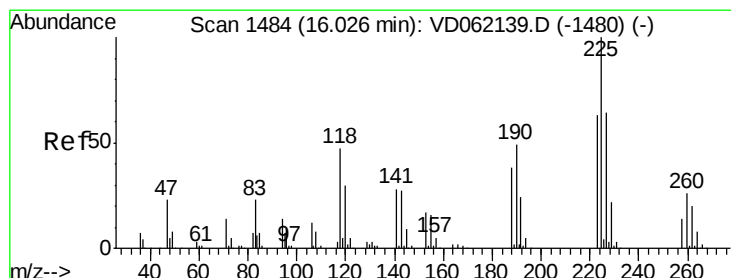
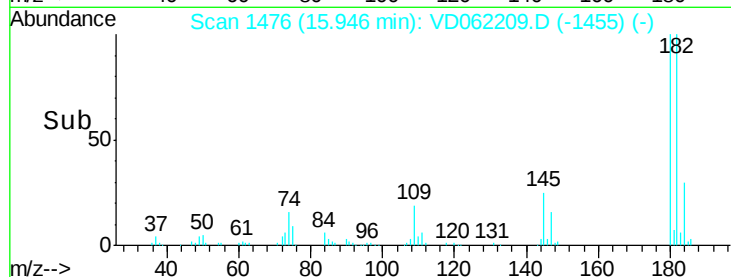
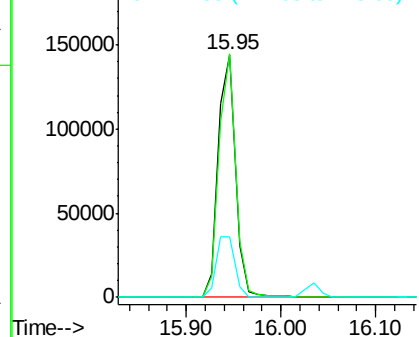
#93
 1,2,4-Trichlorobenzene
 Concen: 22.510 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBSD01

Tot Ion:180 Resp: 184543
 Ion Ratio Lower Upper
 180 100
 182 100.4 49.3 147.8
 145 24.9 16.2 48.6

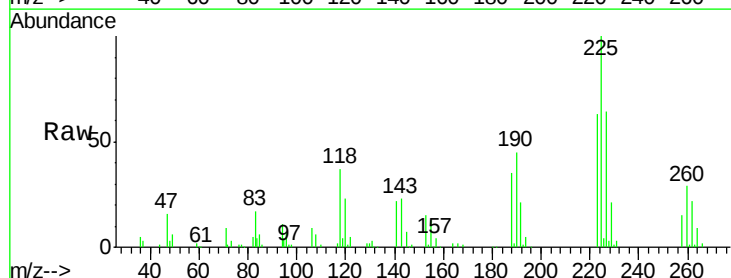


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

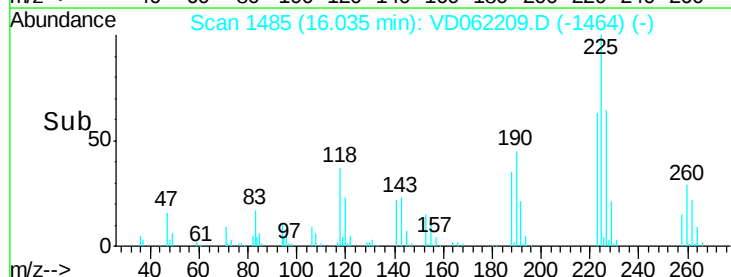
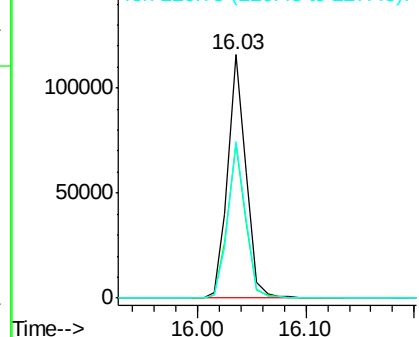


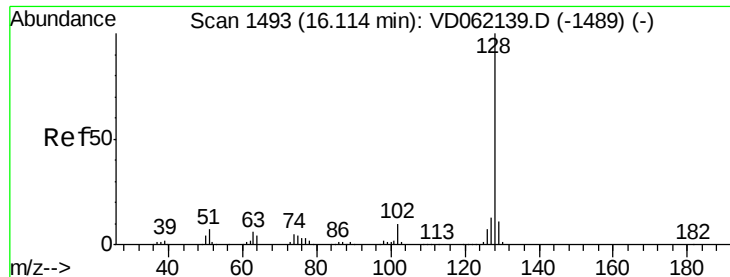
#94
 Hexachlorobutadiene
 Concen: 22.313 ug/l
 RT: 16.03 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062209.D
 Acq: 10 May 2019 12:17

Tgt Ion:225 Resp: 136056
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.6 92.0
 227 64.4 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: 21.851 ug/l

RT: 16.12 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD0510SBSD01

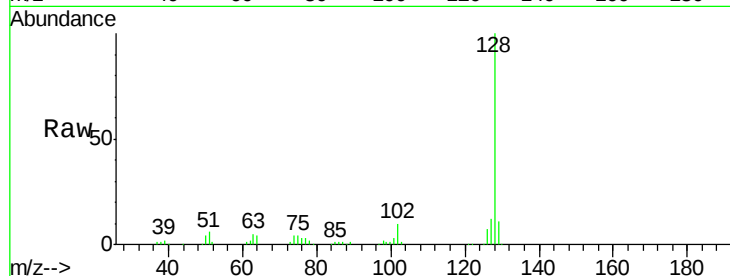
Tot Ion:128 Resp: 250096

Ion Ratio Lower Upper

128 100

127 12.4 9.8 14.8

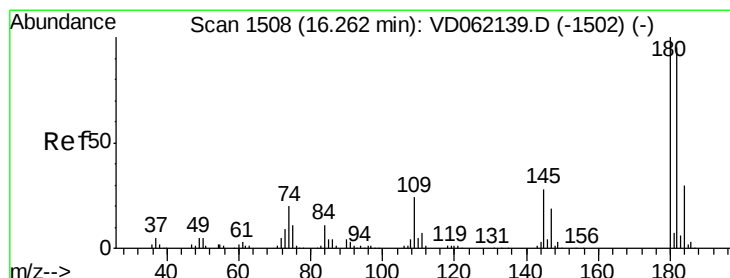
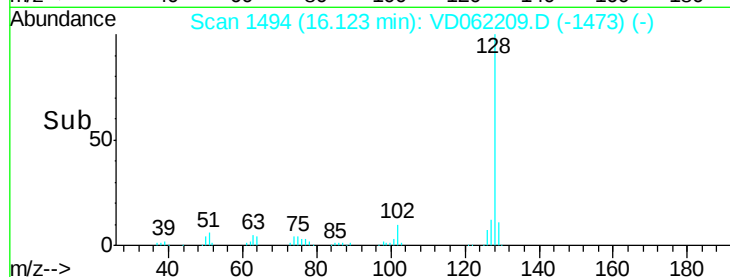
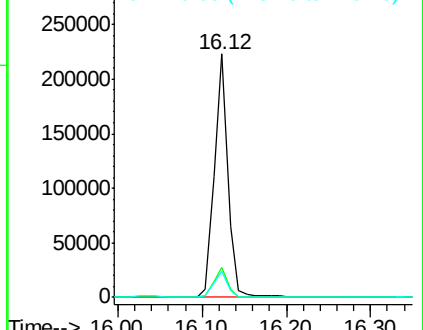
129 10.6 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 28.404 ug/l

RT: 16.27 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD062209.D

Acq: 10 May 2019 12:17

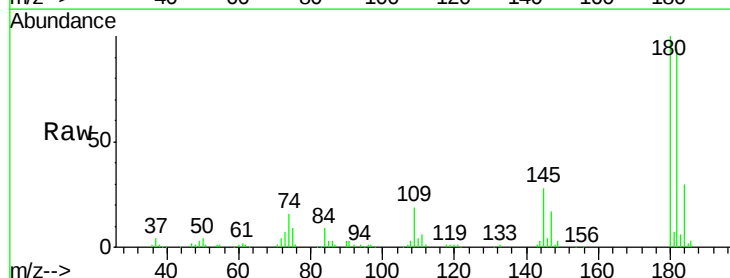
Tgt Ion:180 Resp: 146407

Ion Ratio Lower Upper

180 100

182 93.9 47.0 141.0

145 28.2 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

