

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061737.D
 Acq On : 11 Apr 2019 13:29
 Operator : VA/AP
 Sample : VD0411SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 12 00:58:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	640824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1052025	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	826559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	390499	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	212389	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	
35) Dibromofluoromethane	6.92	113	305543	41.92	ug/l	0.00
Spiked Amount			Recovery	=	83.84%	
50) Toluene-d8	10.41	98	728255	39.77	ug/l	0.00
Spiked Amount			Recovery	=	79.54%	
62) 4-Bromofluorobenzene	13.55	95	288375	43.62	ug/l	0.00
Spiked Amount			Recovery	=	87.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	134179	19.408	ug/l	96
3) Chloromethane	1.75	50	119393	21.371	ug/l	95
4) Vinyl Chloride	1.85	62	115415	22.108	ug/l	99
5) Bromomethane	2.15	94	21255	17.591	ug/l	96
6) Chloroethane	2.25	64	32997	20.180	ug/l	93
7) Trichlorofluoromethane	2.52	101	169581	21.514	ug/l	100
8) Diethyl Ether	2.86	74	44433	20.086	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	165460	21.352	ug/l	98
10) Methyl Iodide	3.31	142	205317	20.123	ug/l	98
11) Tert butyl alcohol	4.06	59	31552	96.923	ug/l	97
12) 1,1-Dichloroethene	3.13	96	140321	21.005	ug/l	99
13) Acrolein	3.03	56	26080	65.709	ug/l	93
14) Allyl chloride	3.62	41	180496	19.809	ug/l	97
15) Acrylonitrile	4.19	53	114225	101.931	ug/l	93
16) Acetone	3.22	43	136081	93.717	ug/l	100
17) Carbon Disulfide	3.38	76	433576	19.974	ug/l	99
18) Methyl Acetate	3.63	43	57849	21.175	ug/l	96
19) Methyl tert-butyl Ether	4.22	73	247149	21.366	ug/l	98
20) Methylene Chloride	3.81	84	187991	22.815	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	154085	21.236	ug/l	96
22) Diisopropyl ether	5.11	45	398073	20.838	ug/l	96
23) Vinyl Acetate	5.05	43	1082956	102.738	ug/l	100
24) 1,1-Dichloroethane	4.98	63	245631	20.983	ug/l	99
25) 2-Butanone	6.06	43	156242	93.337	ug/l	98
26) 2,2-Dichloropropane	6.01	77	207764	21.796	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	159037	20.546	ug/l	93
28) Bromochloromethane	6.43	49	81582	18.892	ug/l	99
29) Tetrahydrofuran	6.45	42	84609	104.704	ug/l	99
30) Chloroform	6.65	83	257772	21.019	ug/l	96
31) Cyclohexane	6.95	56	169121	18.493	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	225122	20.948	ug/l	99
36) 1,1-Dichloropropene	7.14	75	198007	21.506	ug/l	98
37) Ethyl Acetate	6.17	43	81347	21.691	ug/l	98
38) Carbon Tetrachloride	7.11	117	239592	22.203	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	203457	21.524	ug/l	97
40) Benzene	7.44	78	490063	22.063	ug/l	99
41) Methacrylonitrile	6.44	41	96691	22.086	ug/l	96
42) 1,2-Dichloroethane	7.57	62	162458	23.257	ug/l	99
43) Isopropyl Acetate	9.23	43	113644	20.880	ug/l #	98
44) Trichloroethene	8.53	130	184647	21.684	ug/l	95
45) 1,2-Dichloropropane	8.93	63	124688	22.635	ug/l	100
46) Dibromomethane	9.06	93	86750	22.035	ug/l	96
47) Bromodichloromethane	9.37	83	196848	22.766	ug/l	95
48) Methyl methacrylate	9.12	41	68122	21.713	ug/l	97
49) 1,4-Dioxane	9.07	88	14014	404.683	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	352884	109.634	ug/l	95
52) Toluene	10.50	92	303509	21.882	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	178582	23.562	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	198478	21.243	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	101238	21.641	ug/l	96
56) Ethyl methacrylate	11.04	69	102355	20.741	ug/l	97
57) 1,3-Dichloropropane	11.40	76	150286	21.937	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	260124	111.711	ug/l	98
59) 2-Hexanone	11.53	43	249687	99.954	ug/l	98
60) Dibromochloromethane	11.68	129	168458	22.793	ug/l	100
61) 1,2-Dibromoethane	11.80	107	112802	20.619	ug/l	88
64) Tetrachloroethene	11.25	164	151748	23.651	ug/l	98
65) Chlorobenzene	12.39	112	390790	23.841	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	151976	24.094	ug/l	98
67) Ethyl Benzene	12.52	91	592660	23.743	ug/l	99
68) m/p-Xylenes	12.66	106	462105	48.021	ug/l	97
69) o-Xylene	13.04	106	194986	20.991	ug/l	96
70) Styrene	13.06	104	378627	23.867	ug/l	97
71) Bromoform	13.23	173	80763	20.637	ug/l	96
73) Isopropylbenzene	13.40	105	600535	23.080	ug/l	99
74) N-amyl acetate	13.26	43	142655	20.179	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	112872	20.980	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	119032	22.405	ug/l	95
77) Bromobenzene	13.66	156	161812	21.425	ug/l	90
78) n-propylbenzene	13.77	91	718224	23.076	ug/l	97
79) 2-Chlorotoluene	13.83	91	402217	22.598	ug/l	91
80) 1,3,5-Trimethylbenzene	13.93	105	510702	24.729	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	34093	21.147	ug/l	87
82) 4-Chlorotoluene	13.94	91	479346	24.578	ug/l	91
83) tert-Butylbenzene	14.19	119	553693	22.237	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	472990	22.693	ug/l	100
85) sec-Butylbenzene	14.36	105	645315	23.987	ug/l	98
86) p-Isopropyltoluene	14.49	119	533953	22.879	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	296873	22.840	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	278539	21.239	ug/l	97
89) n-Butylbenzene	14.80	91	469333	23.137	ug/l	99
90) Hexachloroethane	15.00	117	141382	22.326	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	238335	22.248	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13254	20.415	ug/l	90

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QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

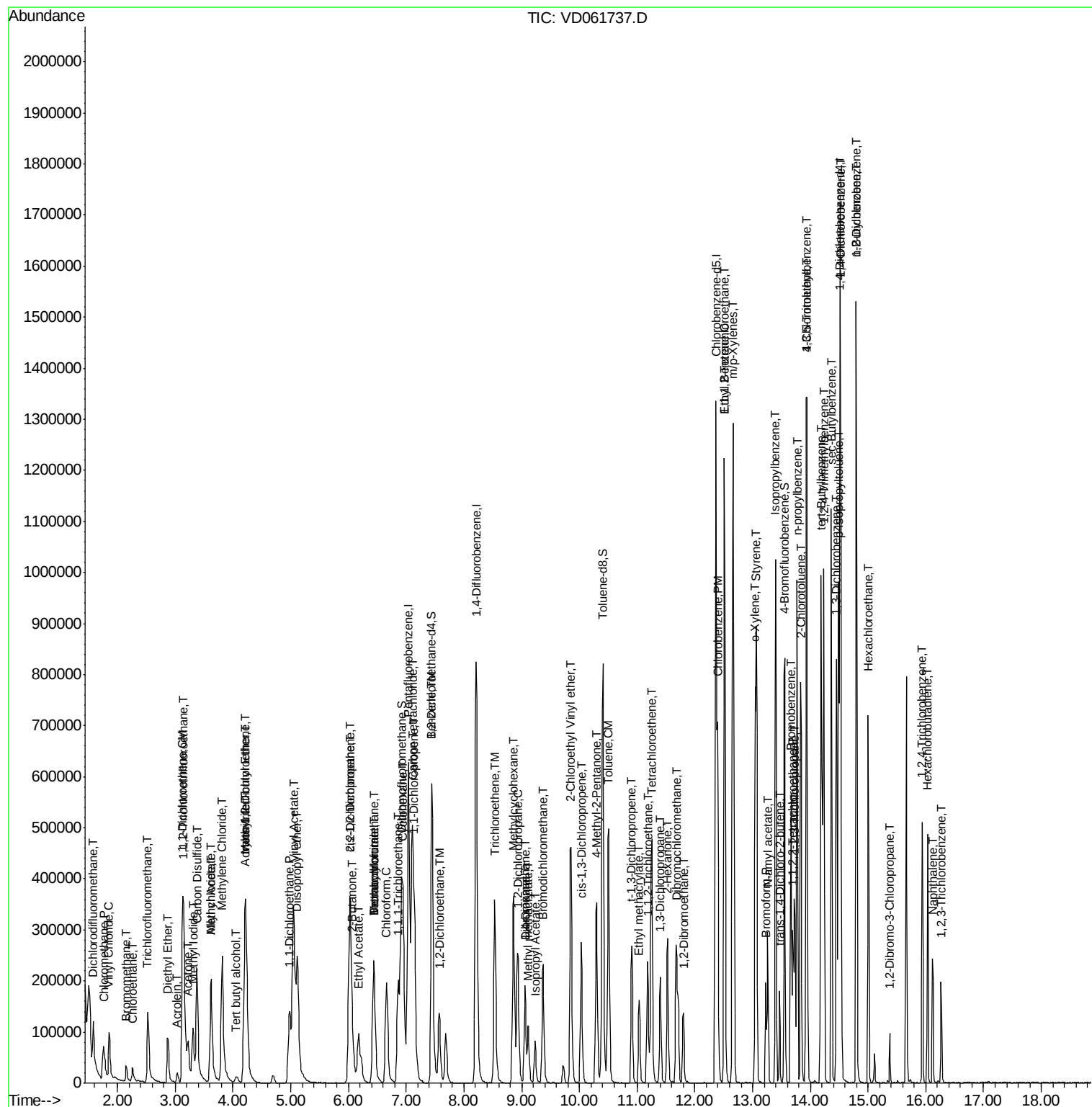
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	119691	21.931	ug/l	97
94) Hexachlorobutadiene	16.04	225	88883	21.091	ug/l	98
95) Naphthalene	16.12	128	163541	18.938	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	52267	19.189	ug/l	98

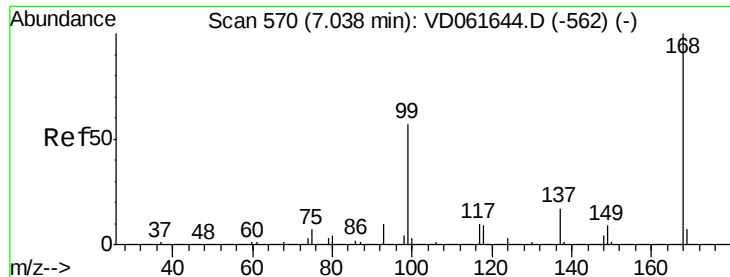
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

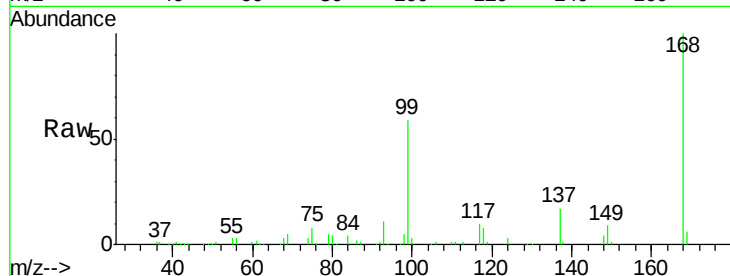
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 640824

Ion Ratio Lower Upper

168 100

99 58.6 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

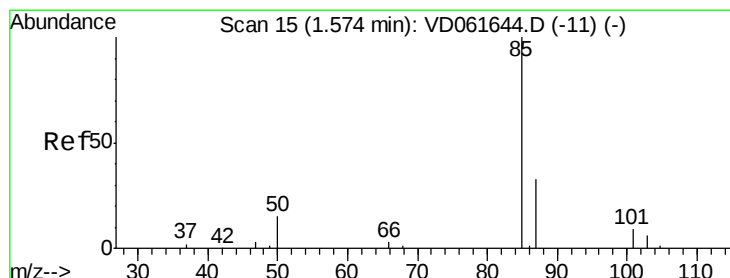
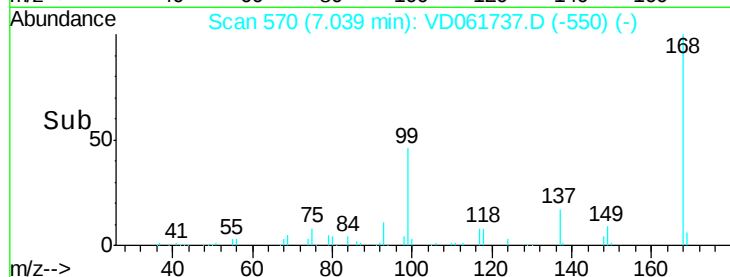
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 19.408 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD061737.D

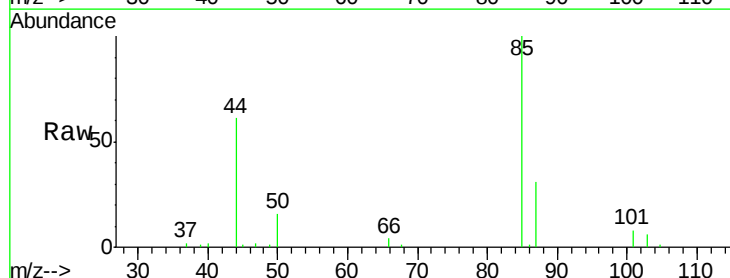
Acq: 11 Apr 2019 13:29

Tgt Ion: 85 Resp: 134179

Ion Ratio Lower Upper

85 100

87 30.9 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

60000

50000

40000

30000

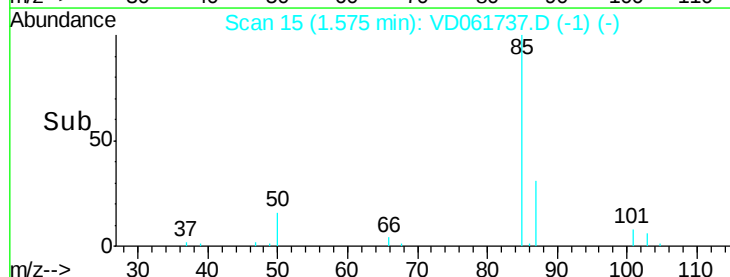
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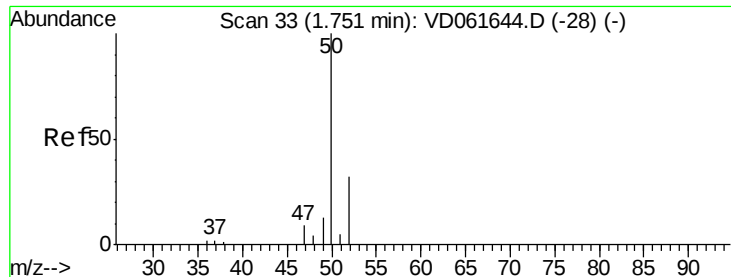
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.371 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

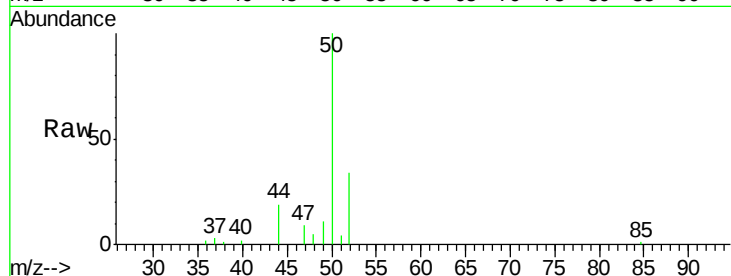
ClientSampleId :

Tot Ion: 50 Resp: 119393

Ion Ratio Lower Upper

50 100

52 34.0 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

40000

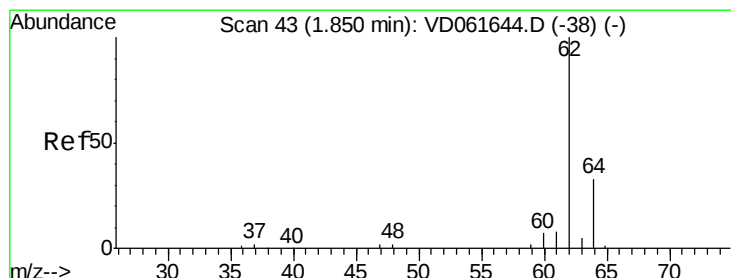
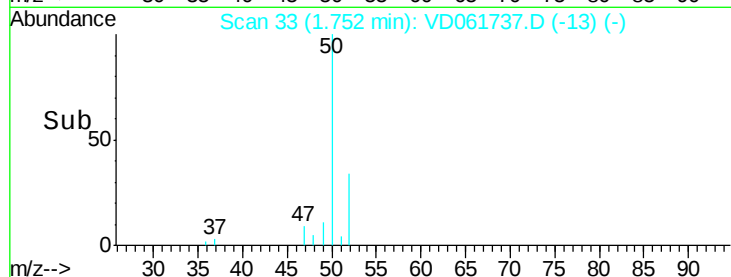
30000

20000

10000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 22.108 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD061737.D

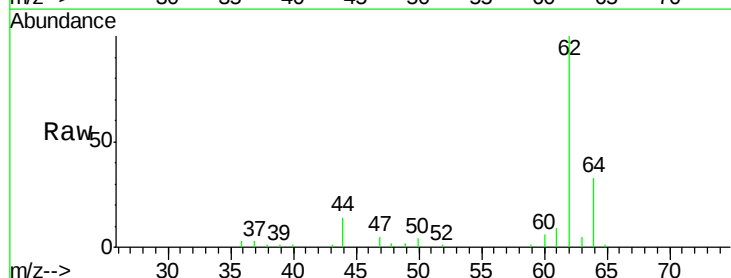
Acq: 11 Apr 2019 13:29

Tgt Ion: 62 Resp: 115415

Ion Ratio Lower Upper

62 100

64 33.5 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

60000

50000

40000

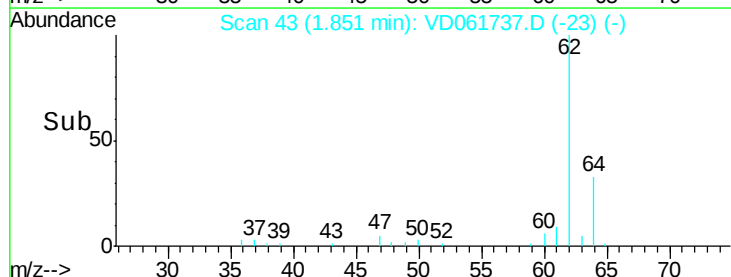
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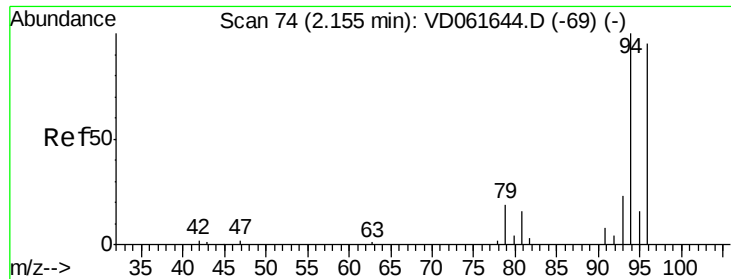
20000

10000

0

Time--> 1.80 1.90 2.00

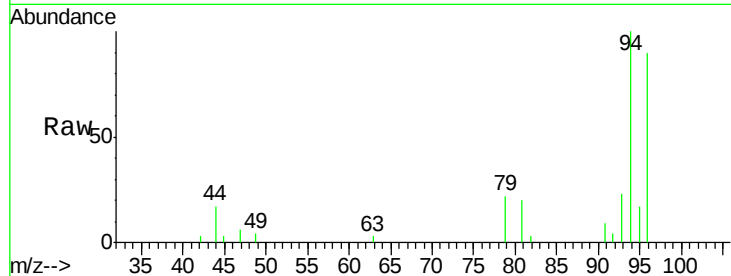




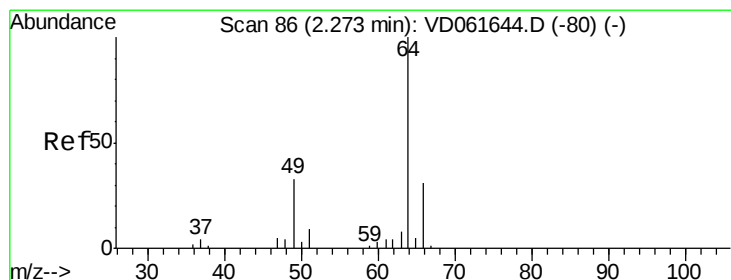
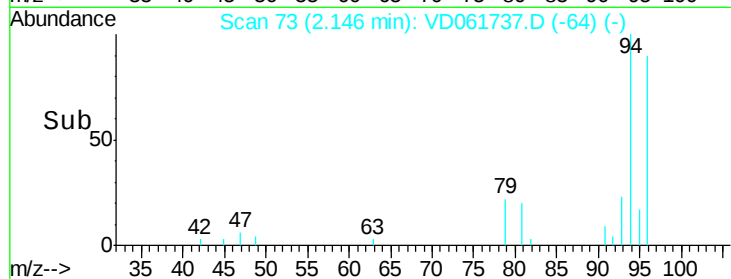
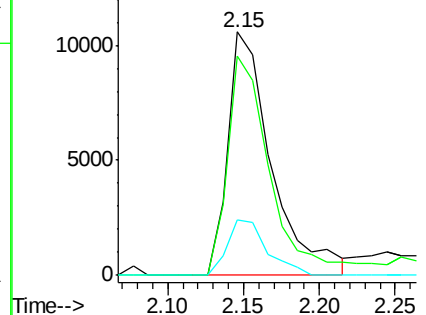
#5
Bromomethane
Concen: 17.591 ug/l
RT: 2.15 min Scan# 73
Delta R.T. -0.01 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 21255
Ion Ratio Lower Upper
94 100
96 89.8 75.8 113.8
93 22.8 18.6 28.0

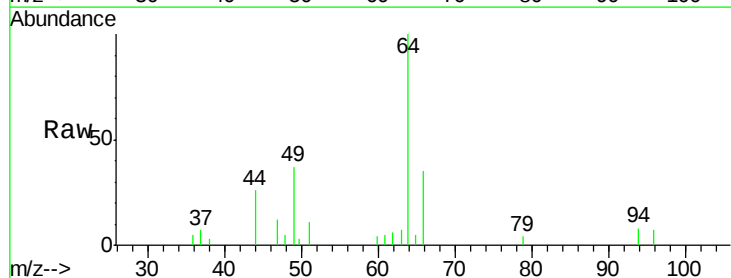


Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC

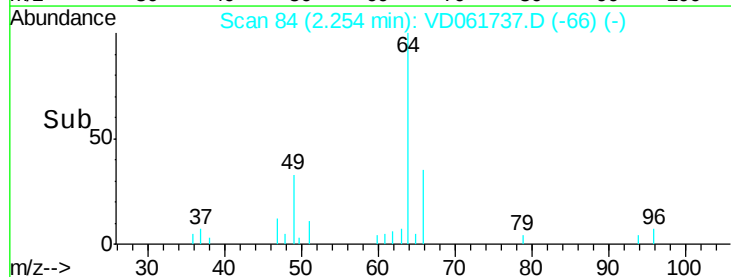
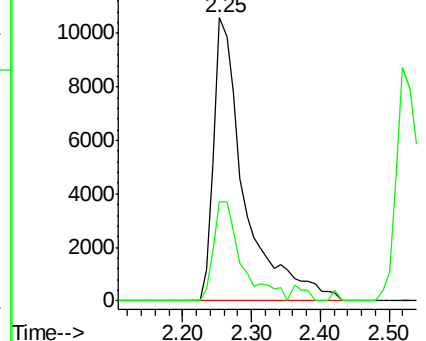


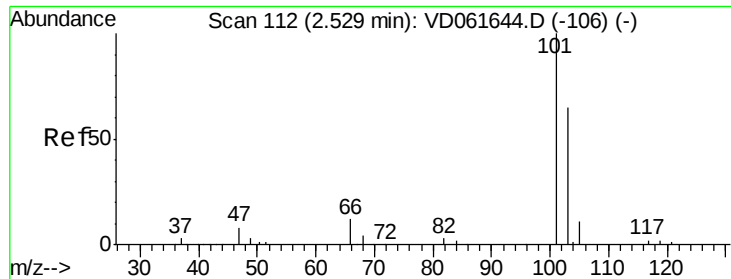
#6
Chloroethane
Concen: 20.180 ug/l
RT: 2.25 min Scan# 84
Delta R.T. -0.02 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion: 64 Resp: 32997
Ion Ratio Lower Upper
64 100
66 35.2 24.9 37.3



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



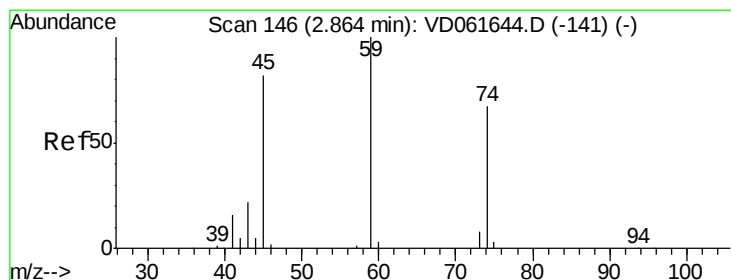
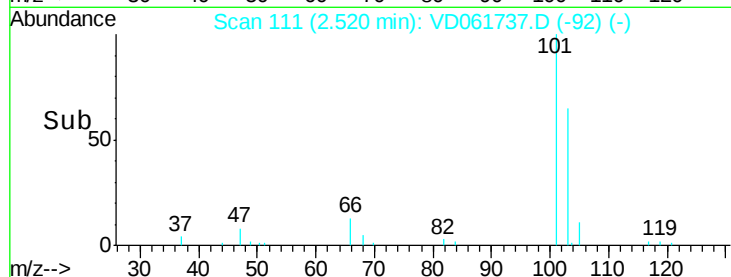
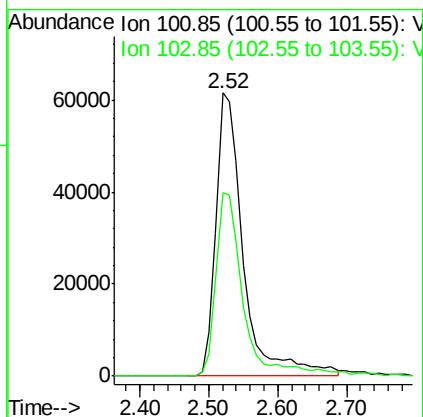
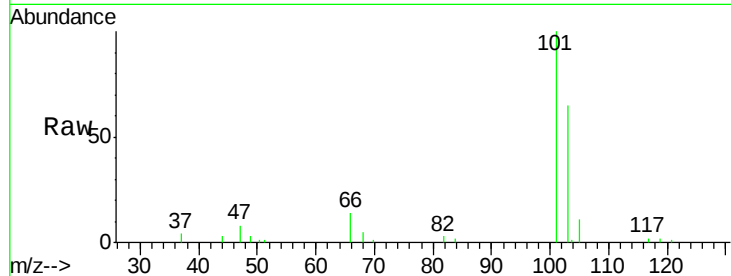


#7

Trichlorofluoromethane
Concen: 21.514 ug/l
RT: 2.52 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :

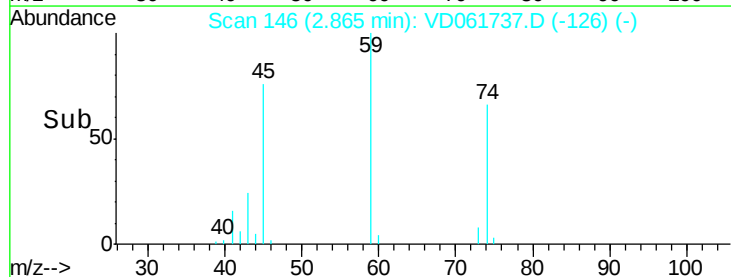
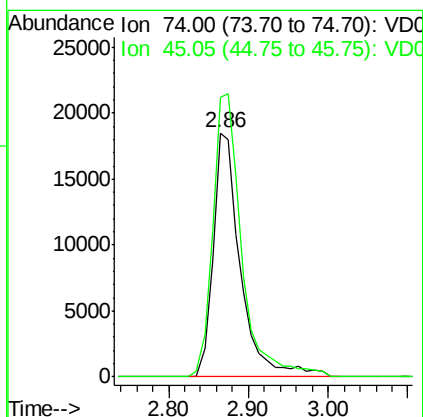
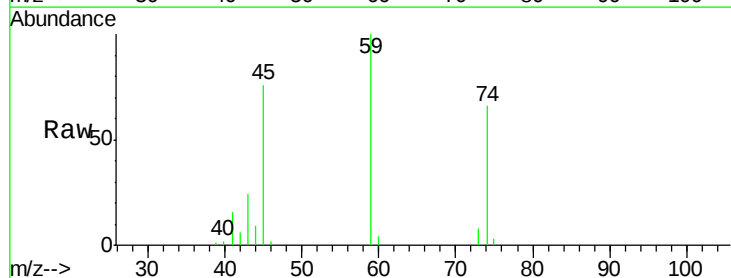
Tot Ion:101 Resp: 169581
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0

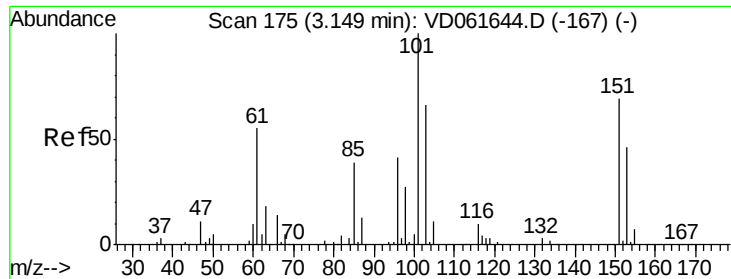


#8

Diethyl Ether
Concen: 20.086 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion: 74 Resp: 44433
Ion Ratio Lower Upper
74 100
45 114.5 61.0 183.0

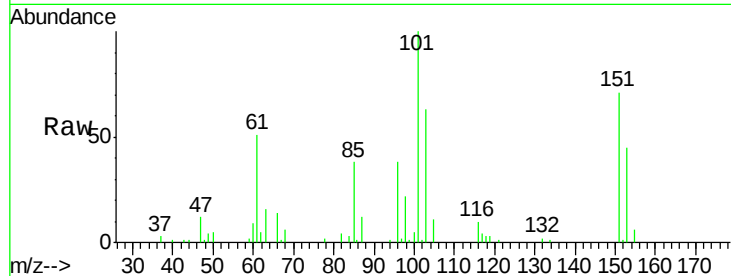




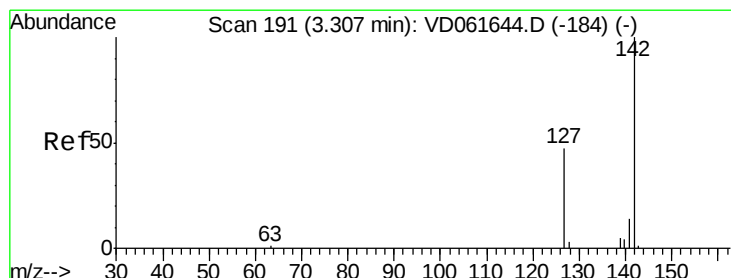
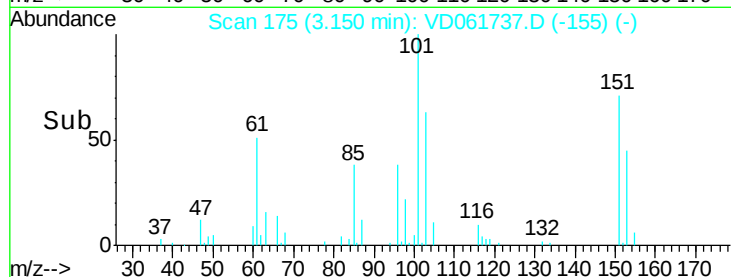
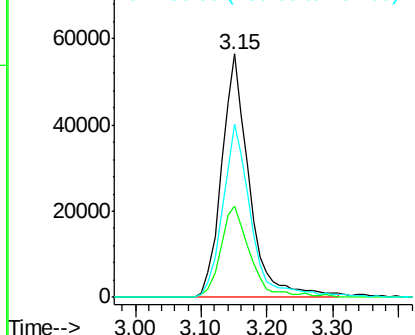
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.352 ug/l
 RT: 3.15 min Scan# 175
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 165460
 Ion Ratio Lower Upper
 101 100
 85 37.7 31.0 46.6
 151 71.3 55.3 82.9

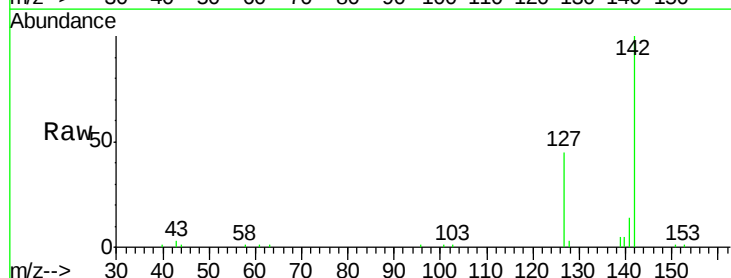


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

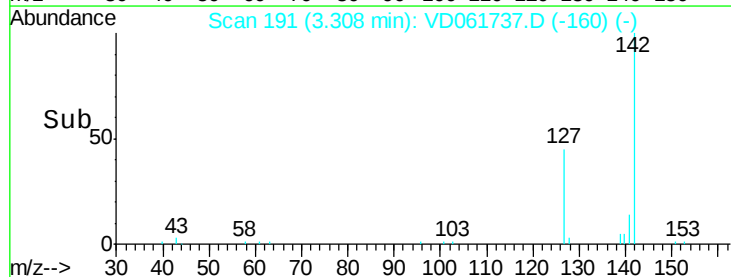
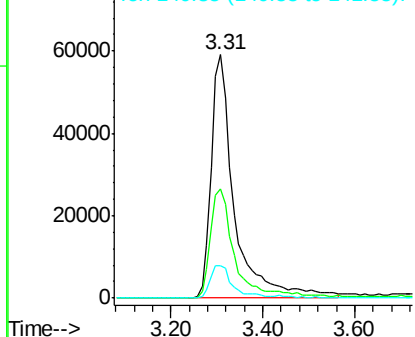


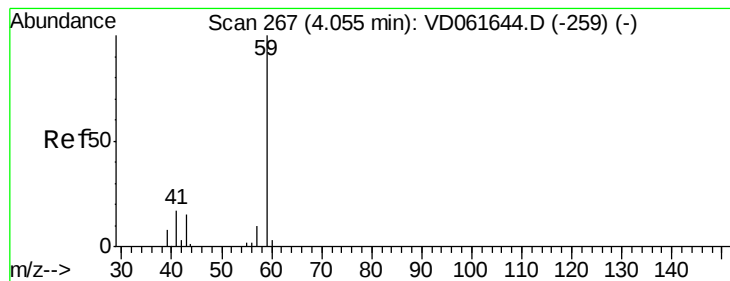
#10
 Methyl Iodide
 Concen: 20.123 ug/l
 RT: 3.31 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Tgt Ion:142 Resp: 205317
 Ion Ratio Lower Upper
 142 100
 127 44.7 37.2 55.8
 141 13.5 10.8 16.2



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



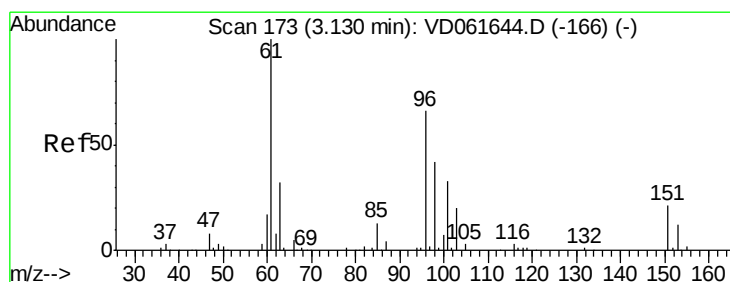
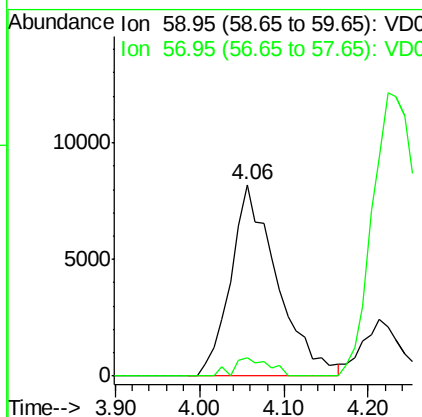
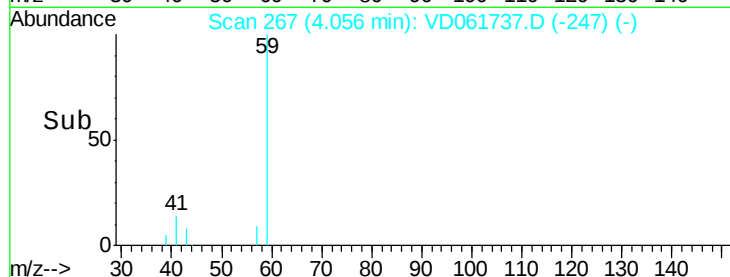
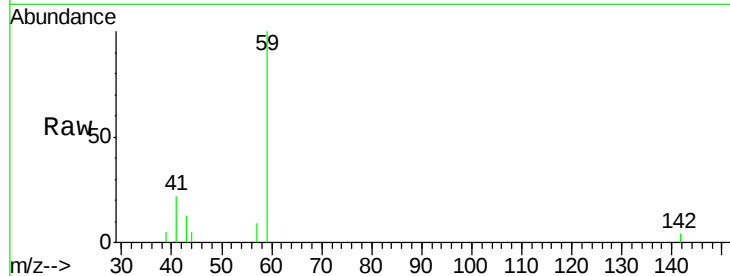


#11

Tert butyl alcohol
Concen: 96.923 ug/l
RT: 4.06 min Scan# 267
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Instrument :
MSVOA_D
ClientSampled :

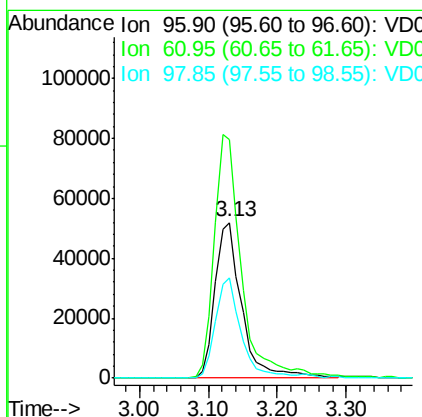
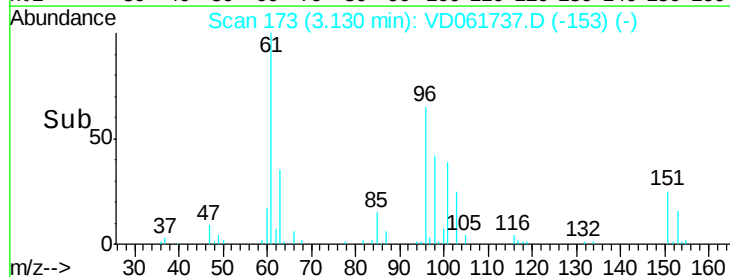
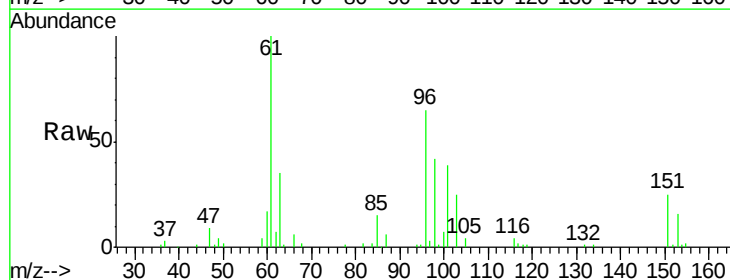
Tot Ion: 59 Resp: 31552
Ion Ratio Lower Upper
59 100
57 9.3 8.4 12.6

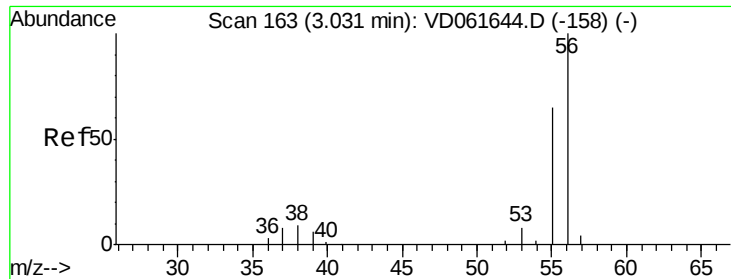


#12

1,1-Dichloroethene
Concen: 21.005 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion: 96 Resp: 140321
Ion Ratio Lower Upper
96 100
61 152.8 121.3 181.9
98 64.1 50.6 76.0





#13

Acrolein

Concen: 65.709 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

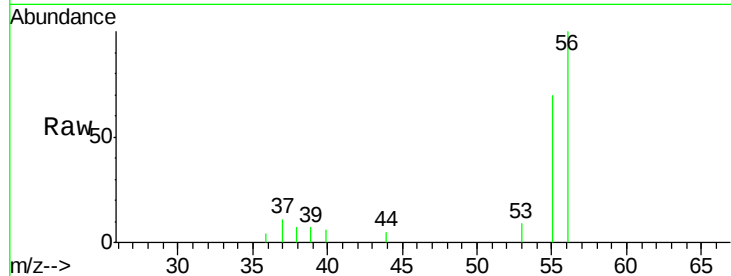
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 26080

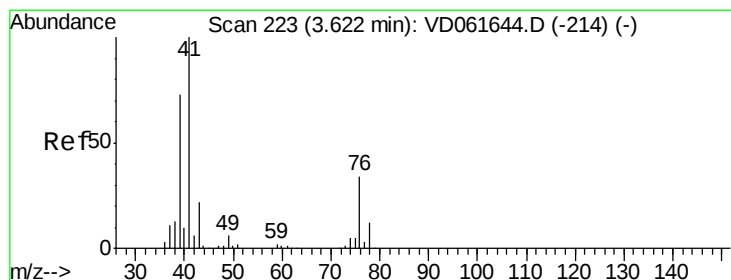
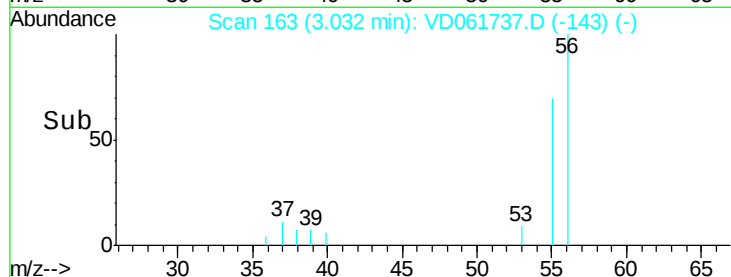
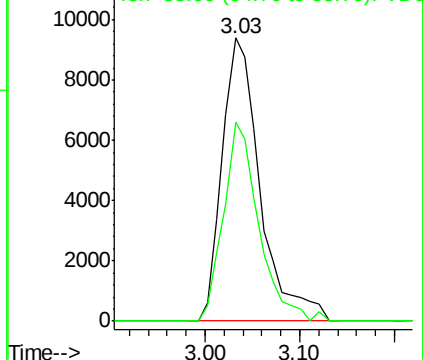
Ion Ratio Lower Upper

56 100

55 70.5 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.809 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

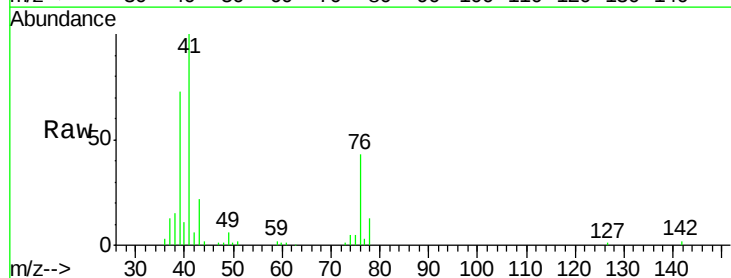
Tgt Ion: 41 Resp: 180496

Ion Ratio Lower Upper

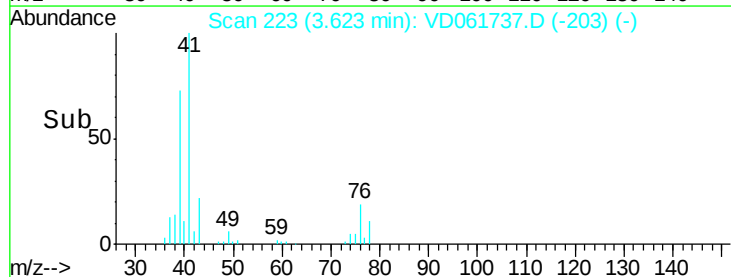
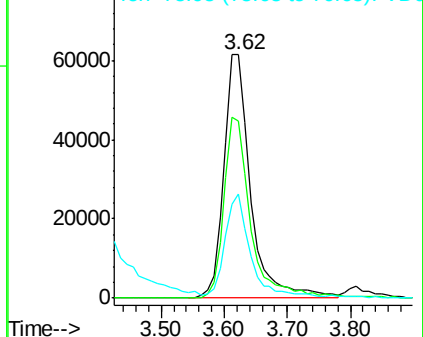
41 100

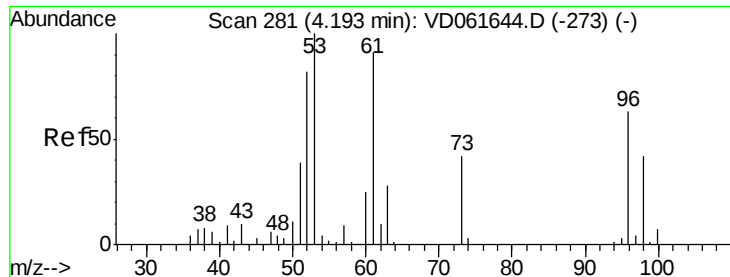
39 72.8 58.2 87.4

76 42.7 29.8 44.6



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: 101.931 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :
MSVOA_D
ClientSampled :

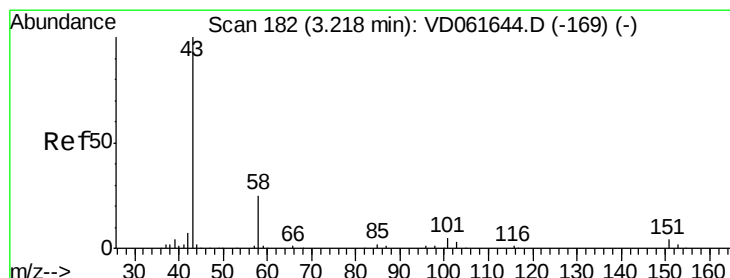
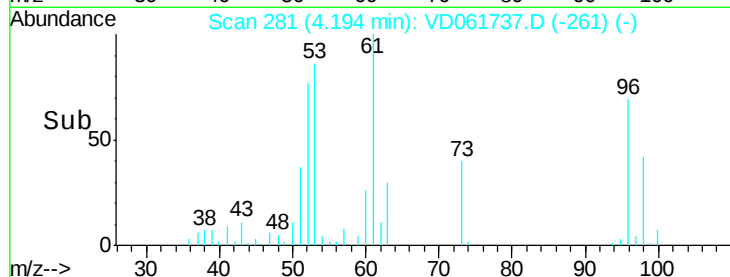
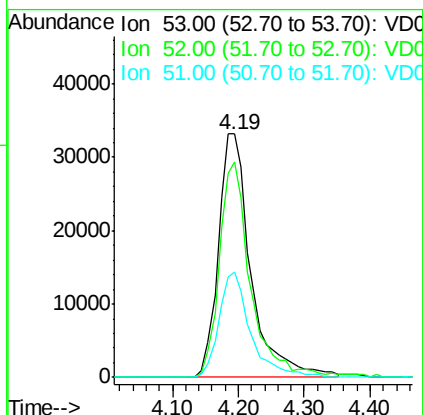
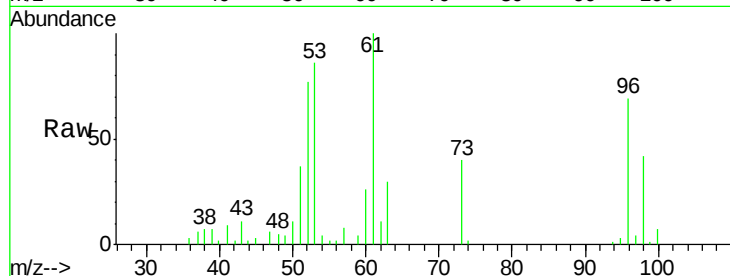
Tot Ion: 53 Resp: 114225

Ion Ratio Lower Upper

53 100

52 88.5 65.9 98.9

51 43.0 31.4 47.2



#16

Acetone

Concen: 93.717 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061737.D

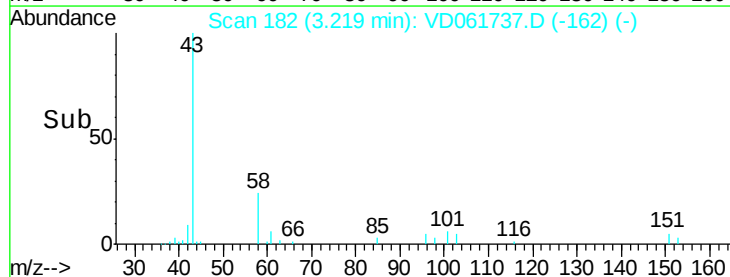
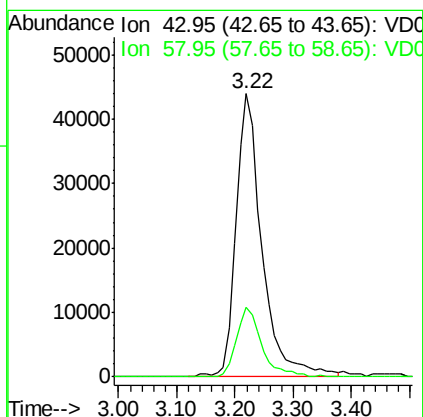
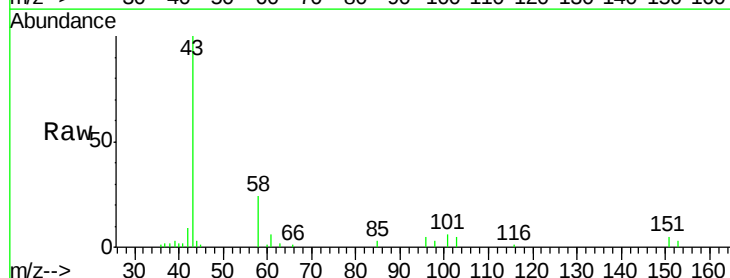
Acq: 11 Apr 2019 13:29

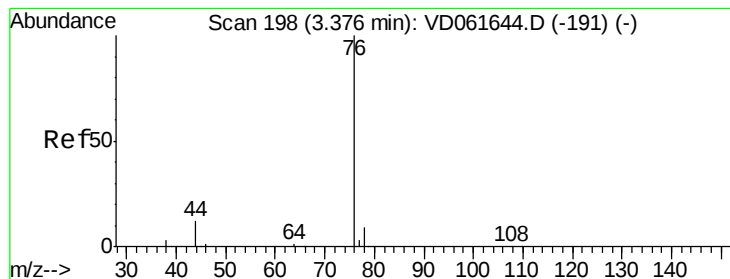
Tgt Ion: 43 Resp: 136081

Ion Ratio Lower Upper

43 100

58 24.5 19.7 29.5





#17

Carbon Disulfide

Concen: 19.974 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

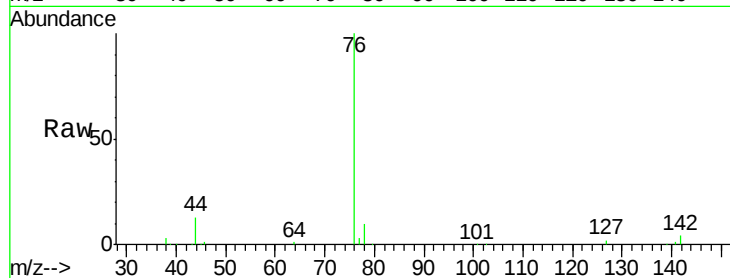
ClientSampleId :

Tot Ion: 76 Resp: 433576

Ion Ratio Lower Upper

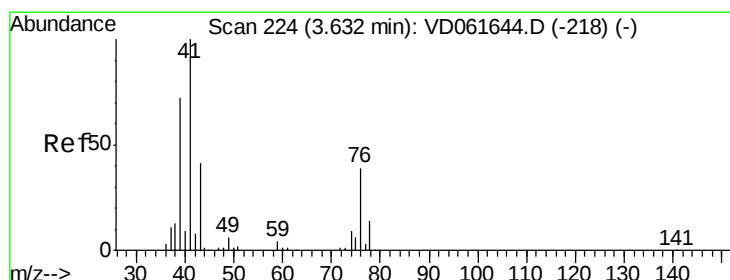
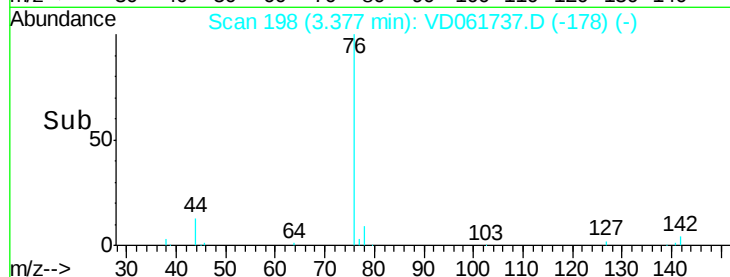
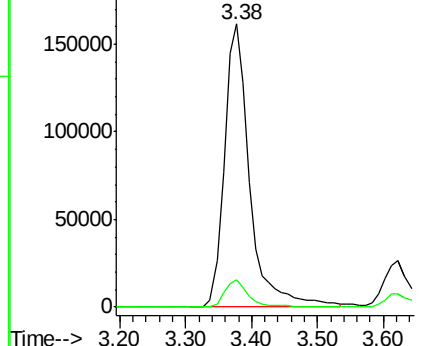
76 100

78 9.6 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 21.175 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061737.D

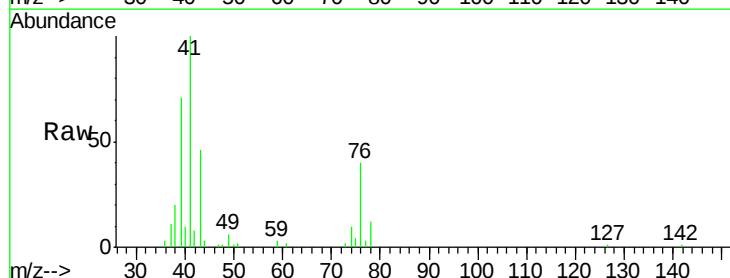
Acq: 11 Apr 2019 13:29

Tgt Ion: 43 Resp: 57849

Ion Ratio Lower Upper

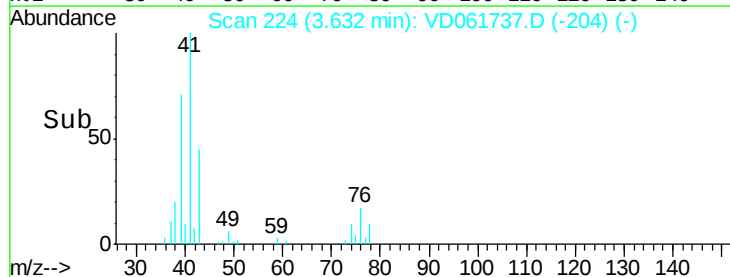
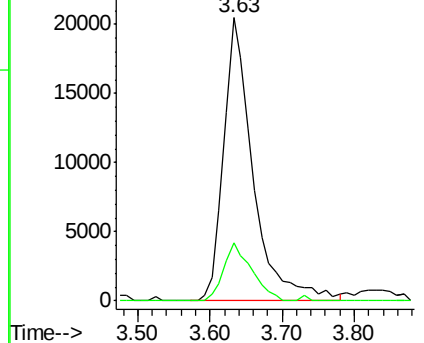
43 100

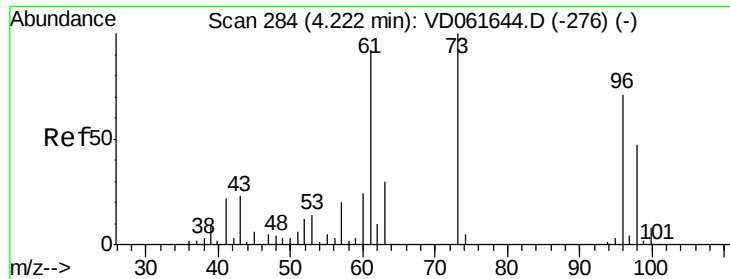
74 20.7 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

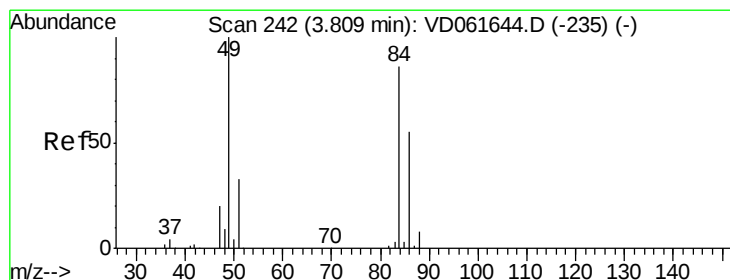
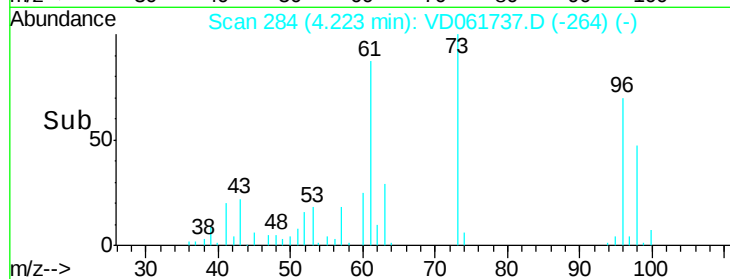
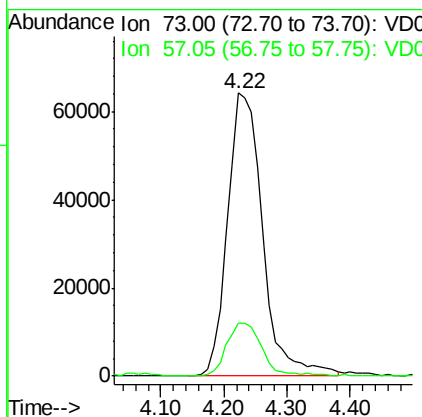
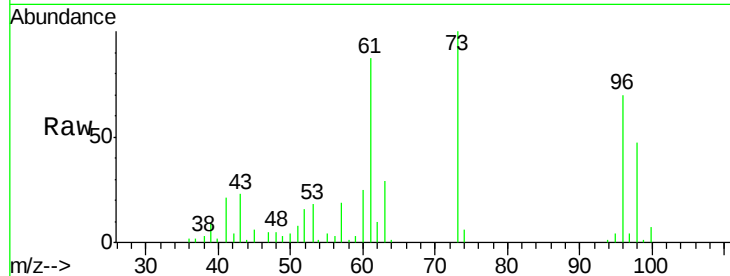




#19
Methyl tert-butyl Ether
Concen: 21.366 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

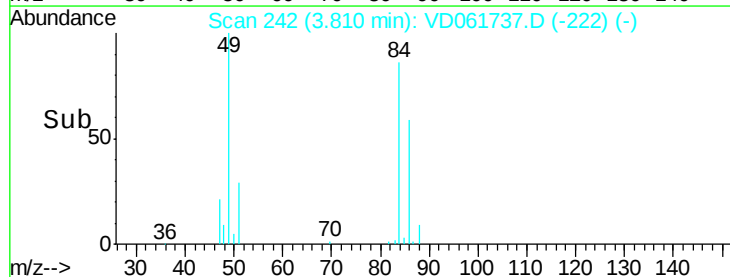
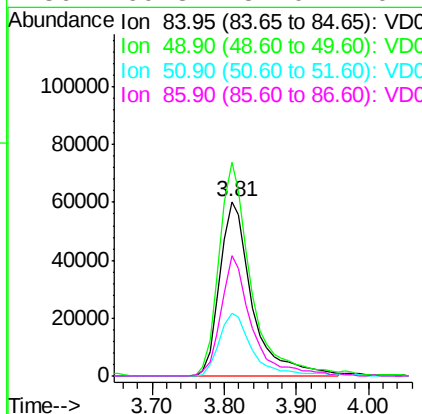
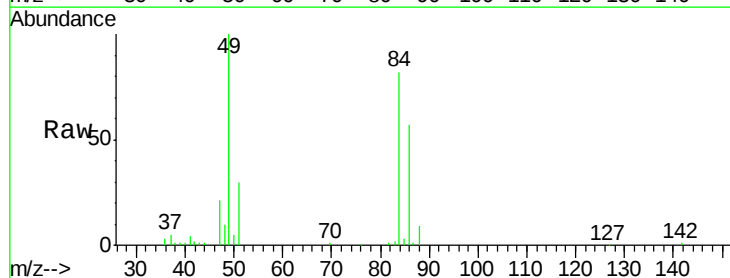
Instrument :
MSVOA_D
ClientSampleId :

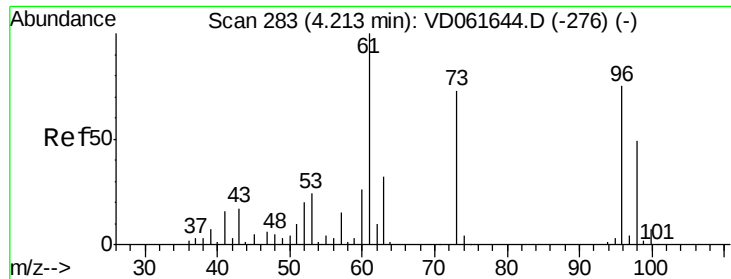
Tot Ion: 73 Resp: 247149
Ion Ratio Lower Upper
73 100
57 18.9 16.0 24.0



#20
Methylene Chloride
Concen: 22.815 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion: 84 Resp: 187991
Ion Ratio Lower Upper
84 100
49 122.5 93.0 139.4
51 36.2 30.4 45.6
86 69.3 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 21.236 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

ClientSampled :

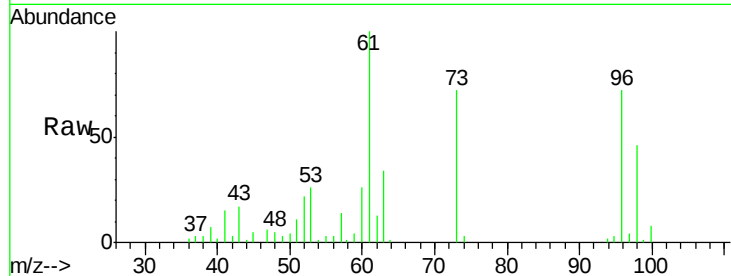
Tot Ion: 96 Resp: 154085

Ion Ratio Lower Upper

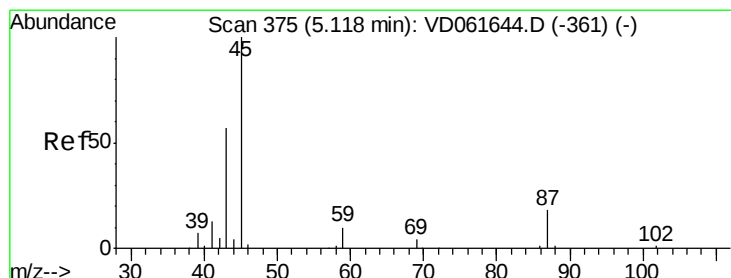
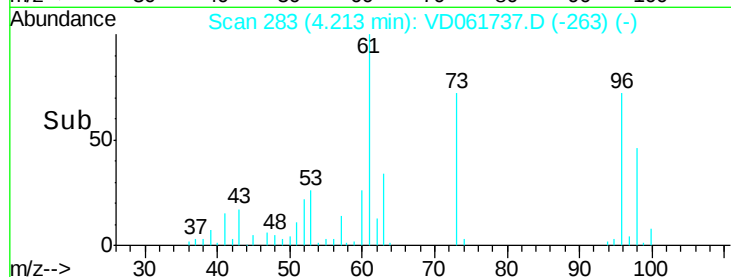
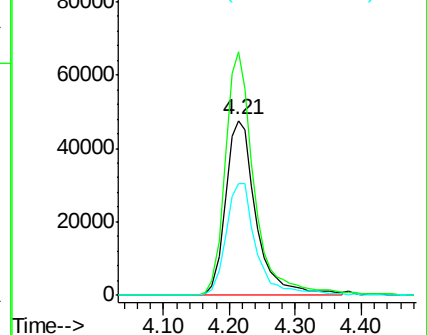
96 100

61 139.2 106.8 160.2

98 63.6 52.2 78.2



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



#22

Diisopropyl ether

Concen: 20.838 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.01 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Tgt Ion: 45 Resp: 398073

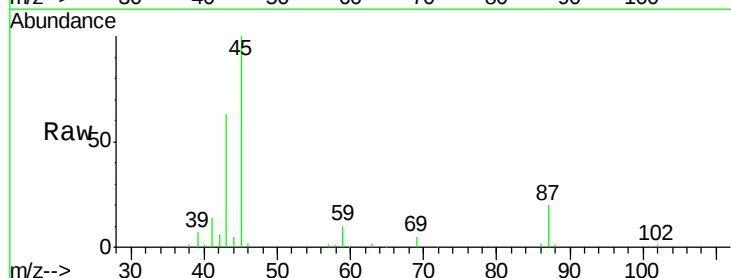
Ion Ratio Lower Upper

45 100

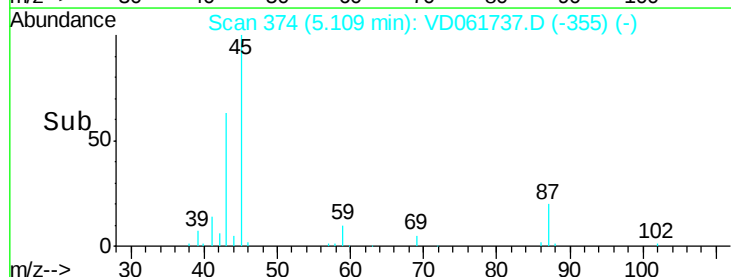
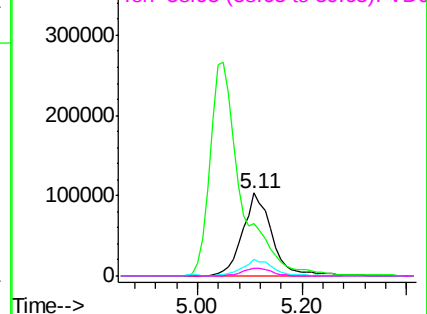
43 62.9 46.6 70.0

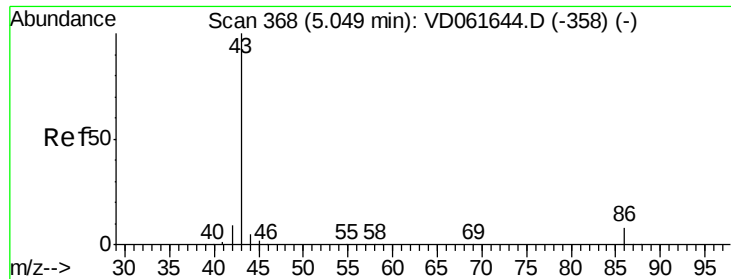
87 19.6 15.6 23.4

59 9.8 8.6 13.0



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





#23

Vinyl Acetate

Concen: 102.738 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

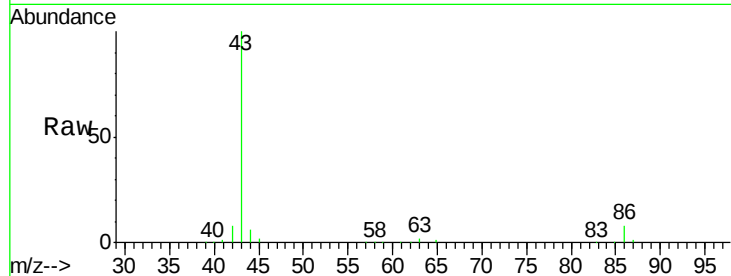
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1082956

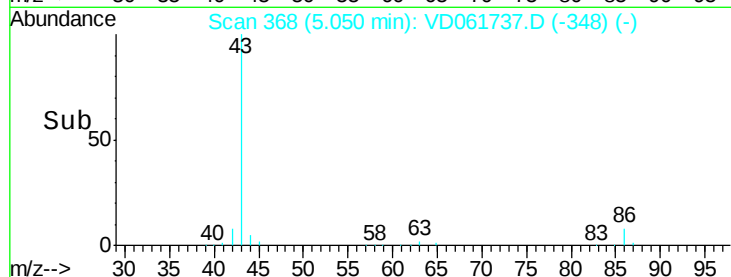
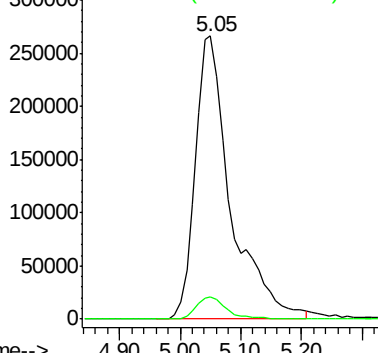
Ion Ratio Lower Upper

43 100

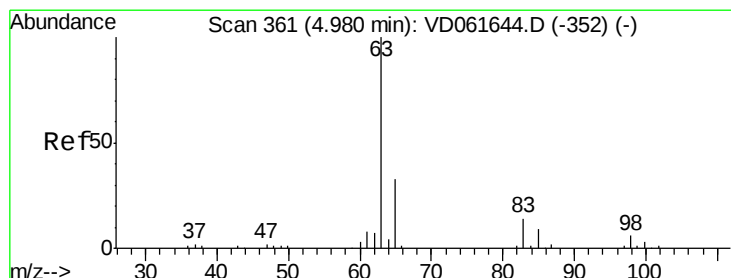
86 7.8 6.4 9.6



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



Time-->



#24

1,1-Dichloroethane

Concen: 20.983 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

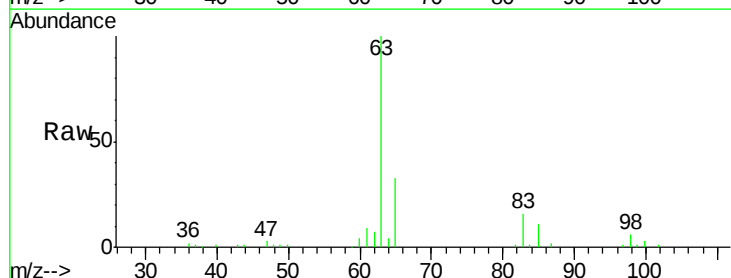
Tgt Ion: 63 Resp: 245631

Ion Ratio Lower Upper

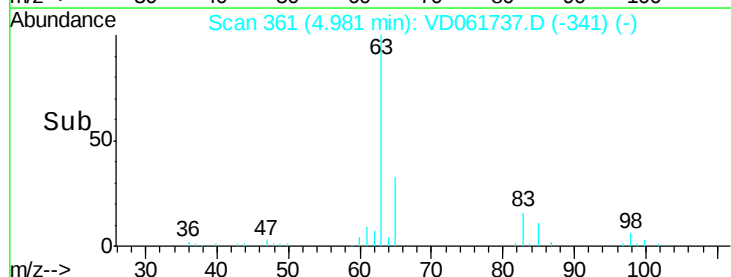
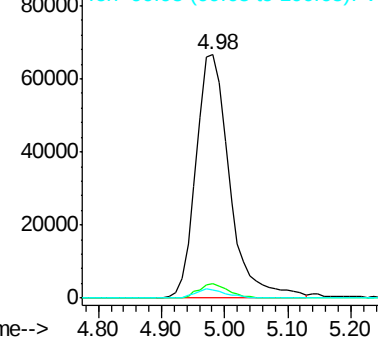
63 100

98 6.0 2.9 8.6

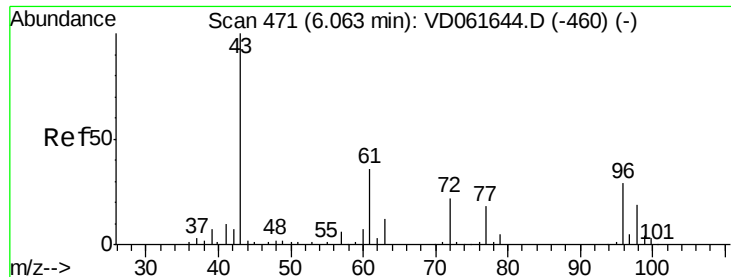
100 3.2 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



Time-->



#25

2-Butanone

Concen: 93.337 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

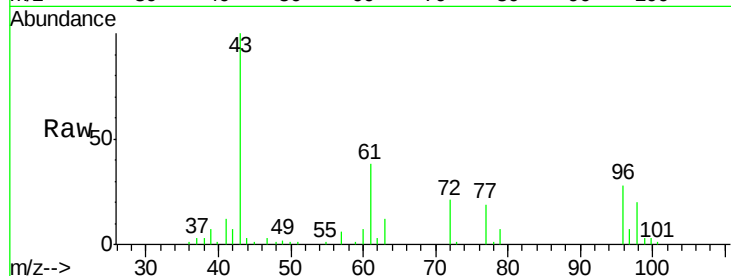
ClientSampleId :

Tot Ion: 43 Resp: 156242

Ion Ratio Lower Upper

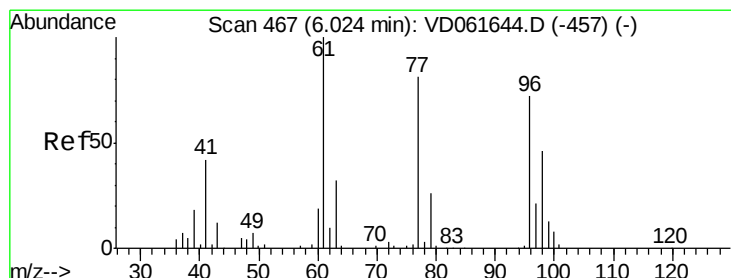
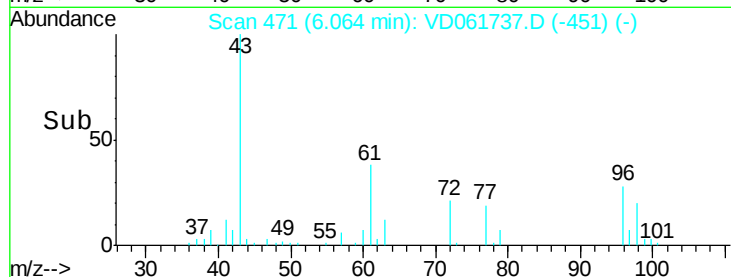
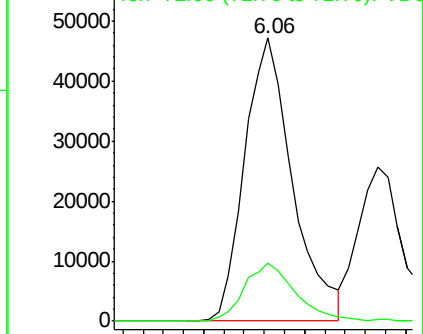
43 100

72 20.7 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.796 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD061737.D

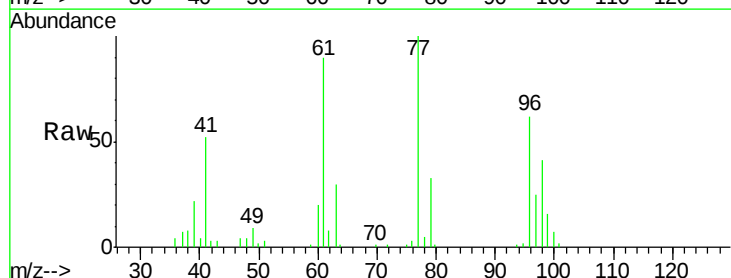
Acq: 11 Apr 2019 13:29

Tgt Ion: 77 Resp: 207764

Ion Ratio Lower Upper

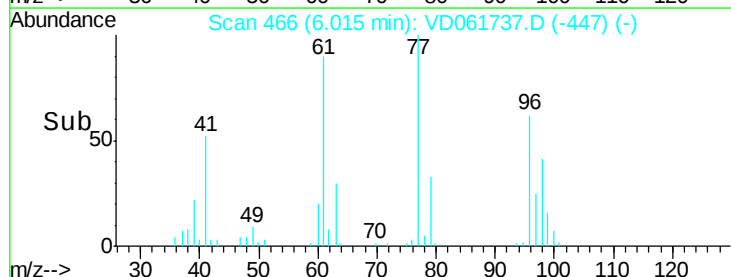
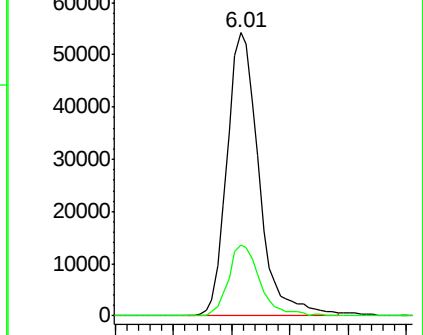
77 100

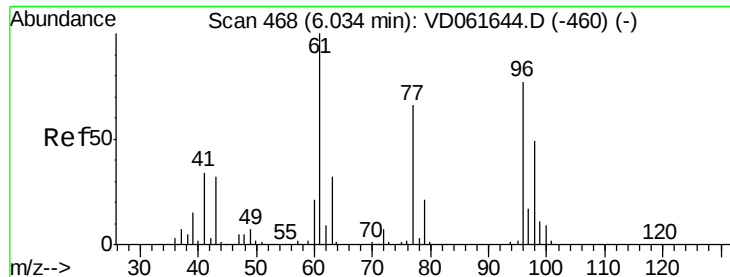
97 24.9 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



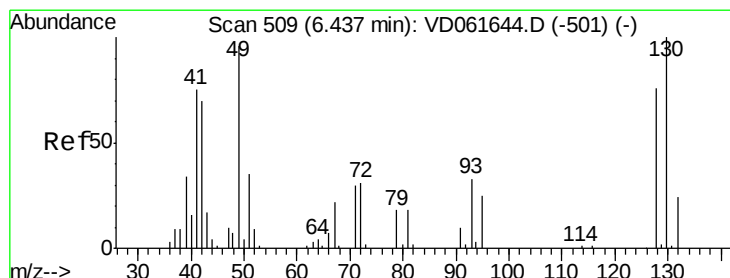
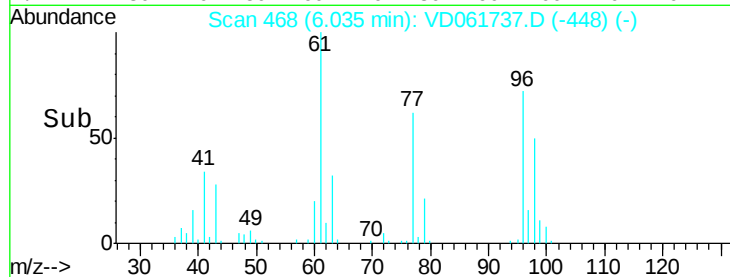
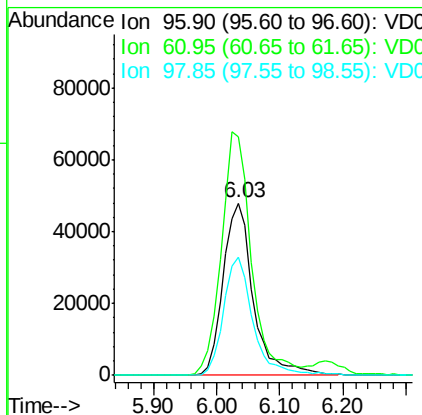
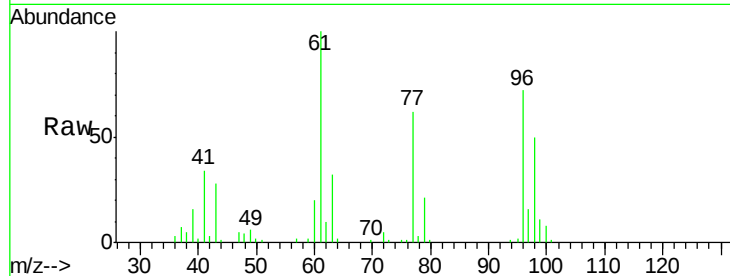


#27

cis-1,2-Dichloroethene
Concen: 20.546 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Instrument :
MSVOA_D
ClientSampled :

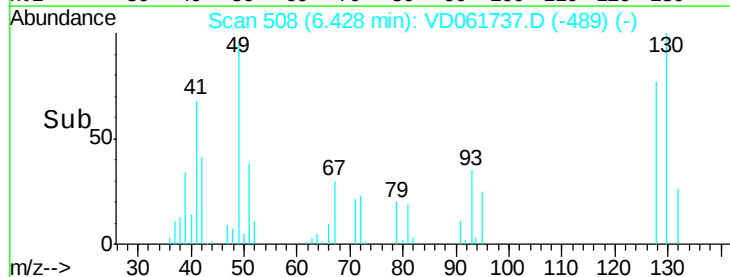
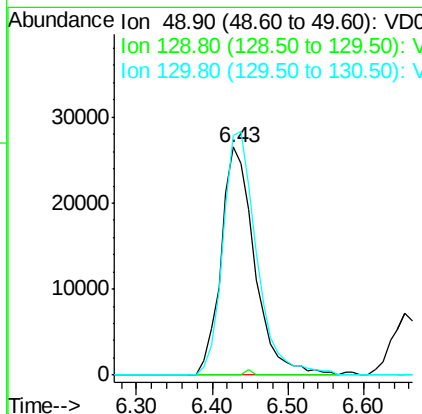
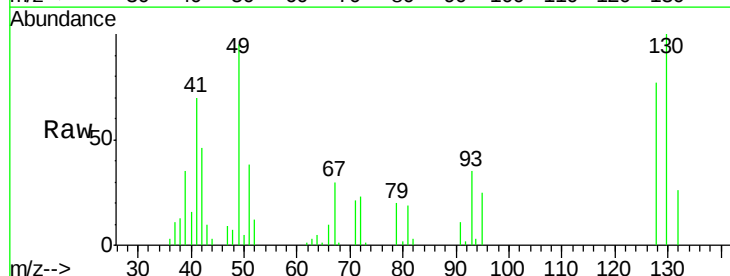
Tot Ion	96	Resp	159037
Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	259.8
98	68.7	0.0	127.6

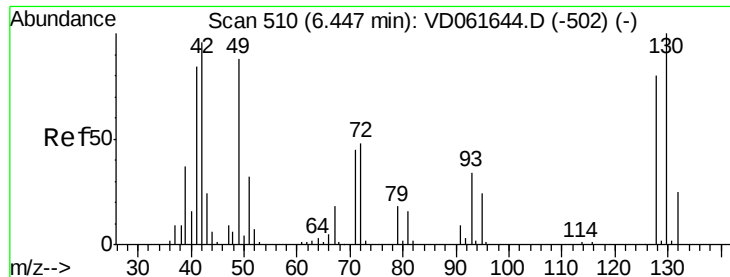


#28

Bromochloromethane
Concen: 18.892 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion	49	Resp	81582
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	104.9	83.3	124.9

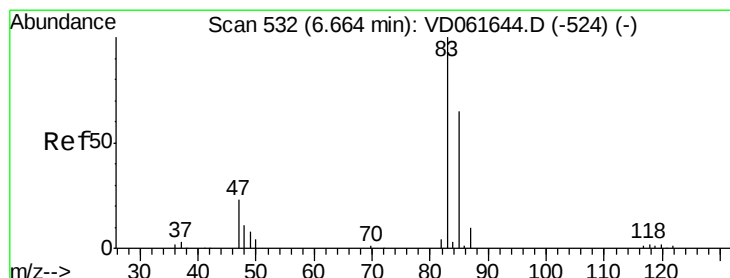
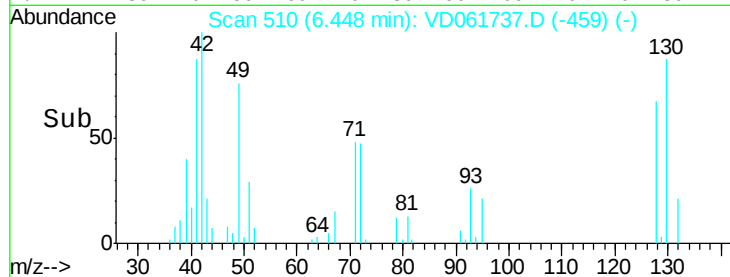
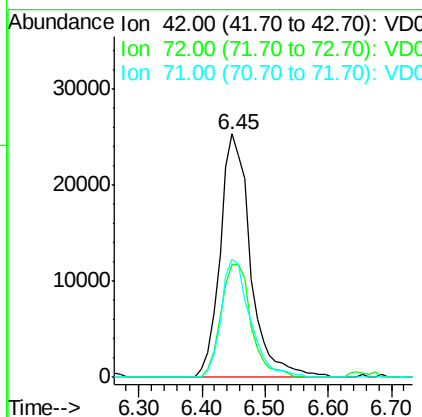
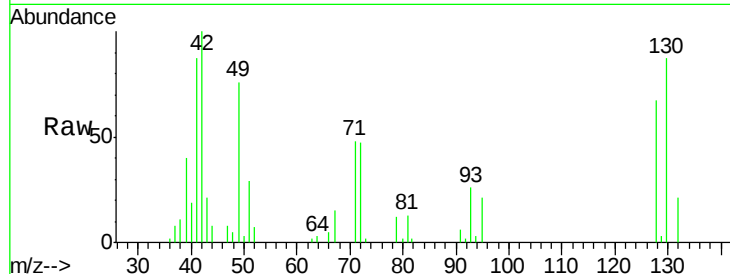




#29
Tetrahydrofuran
Concen: 104.704 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

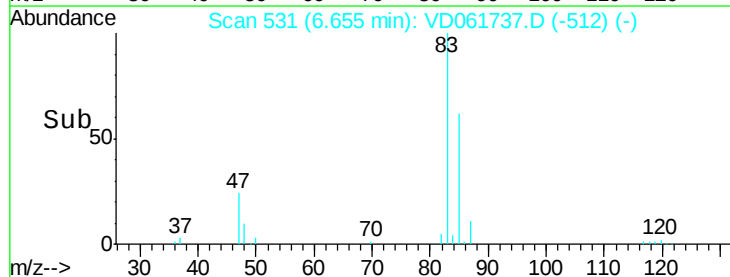
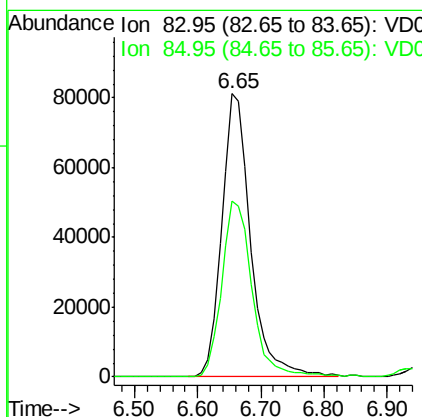
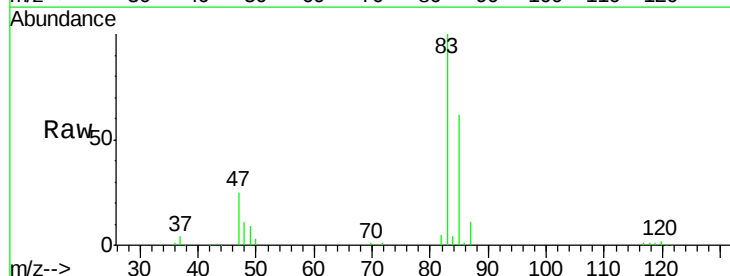
Instrument :
MSVOA_D
ClientSampleId :

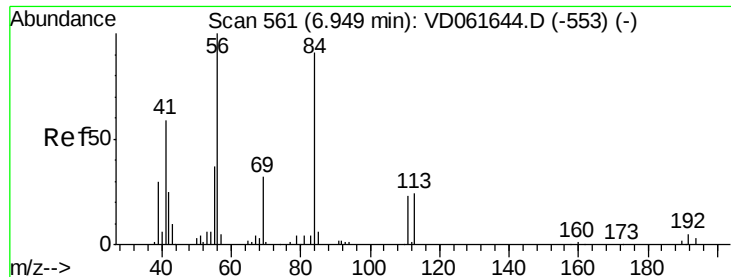
Tot Ion: 42 Resp: 84609
Ion Ratio Lower Upper
42 100
72 46.2 37.0 55.6
71 46.8 36.5 54.7



#30
Chloroform
Concen: 21.019 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion: 83 Resp: 257772
Ion Ratio Lower Upper
83 100
85 62.0 51.9 77.9

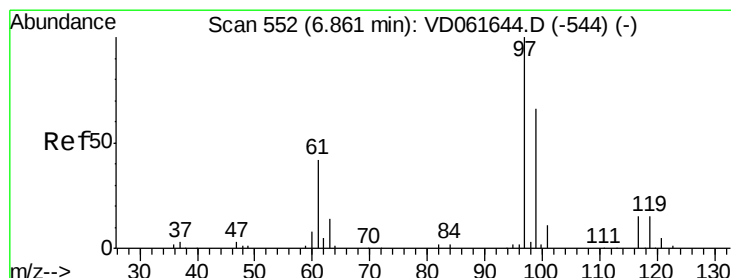
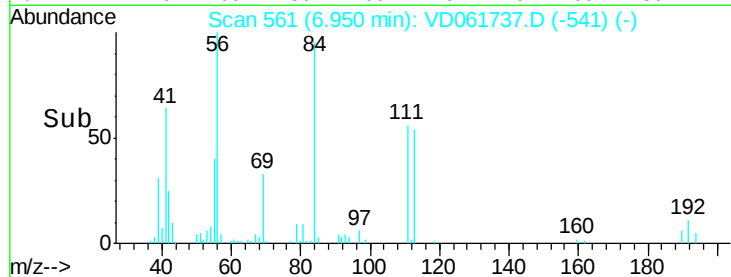
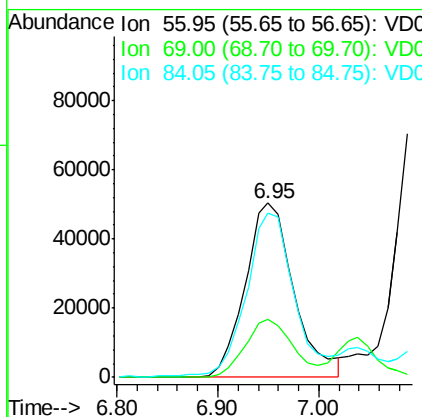
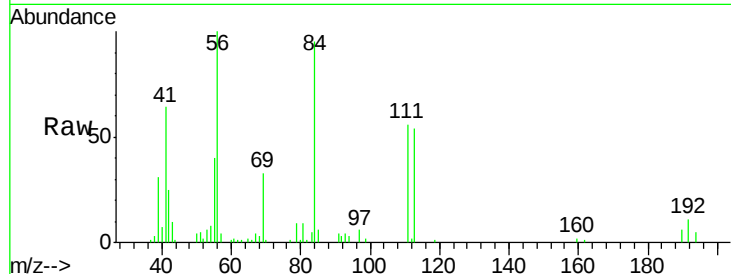




#31
Cyclohexane
Concen: 18.493 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

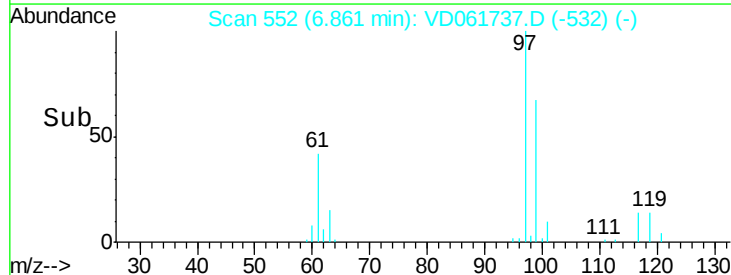
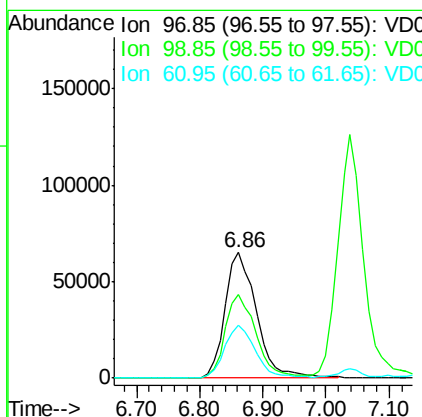
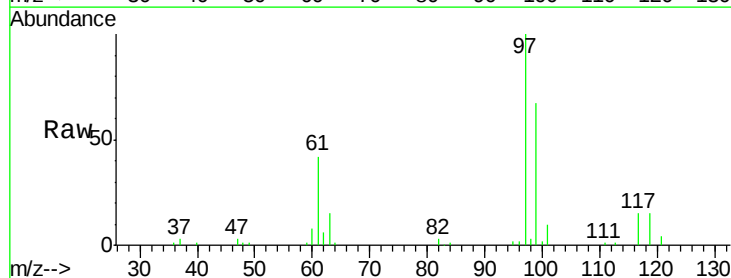
Instrument :
MSVOA_D
ClientSampleId :

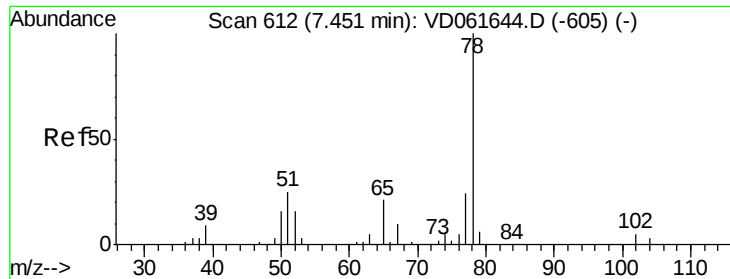
Tot Ion: 56 Resp: 169121
Ion Ratio Lower Upper
56 100
69 33.3 25.8 38.6
84 94.8 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 20.948 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion: 97 Resp: 225122
Ion Ratio Lower Upper
97 100
99 67.1 52.5 78.7
61 42.1 33.4 50.0





#33

1,2-Dichloroethane-d4

Concen: 20.948 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

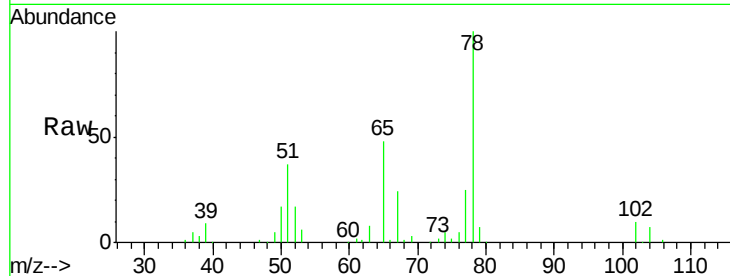
ClientSampleId :

Tot Ion: 65 Resp: 212389

Ion Ratio Lower Upper

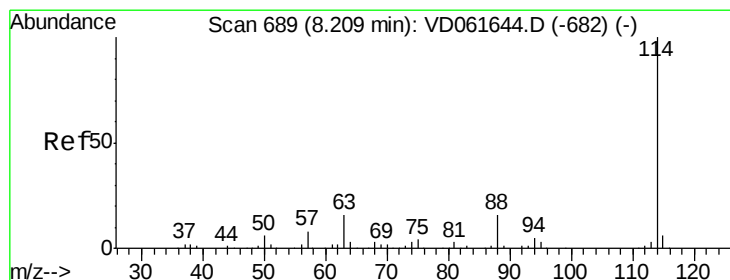
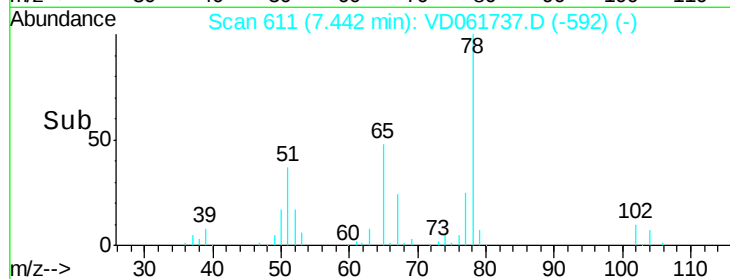
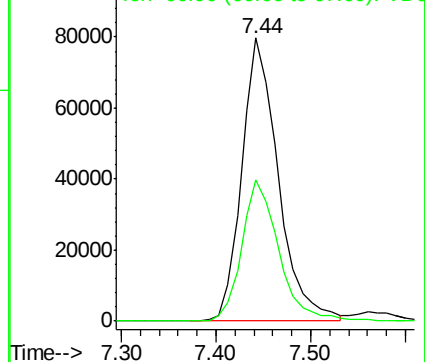
65 100

67 50.0 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

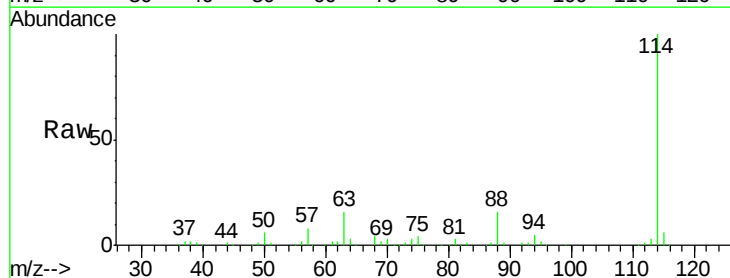
Tgt Ion: 114 Resp: 1052025

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.2

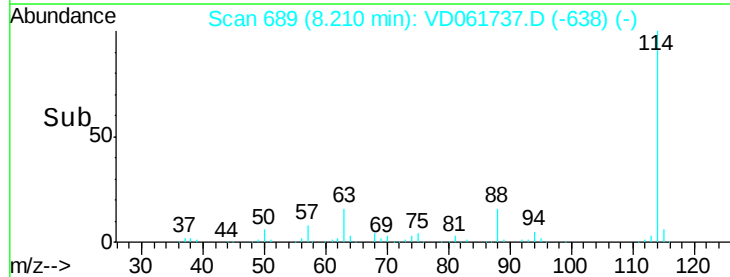
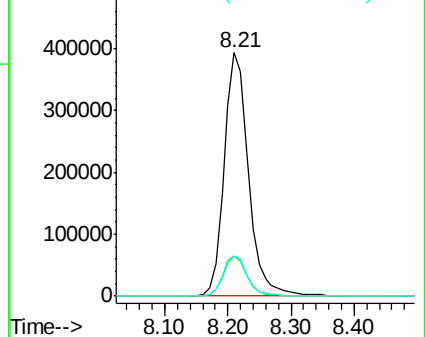
88 16.4 0.0 31.8

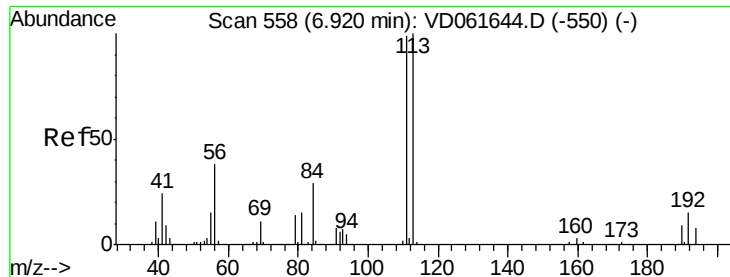


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

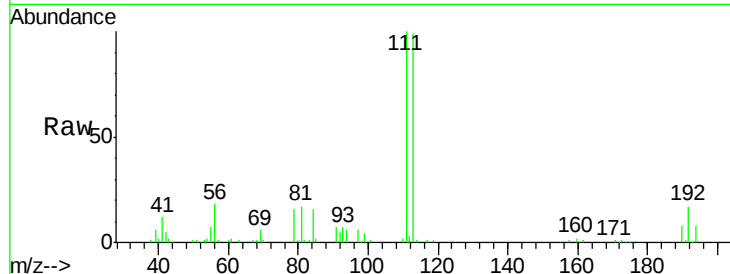




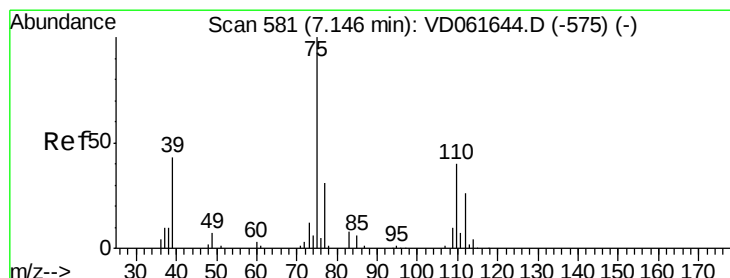
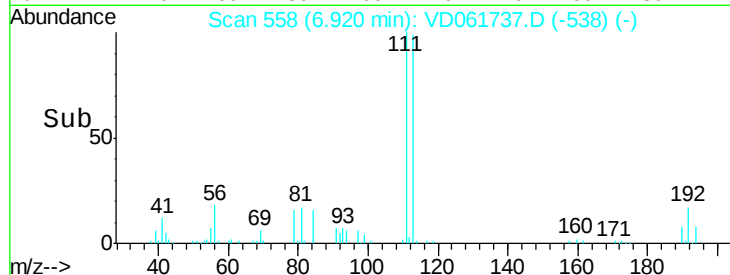
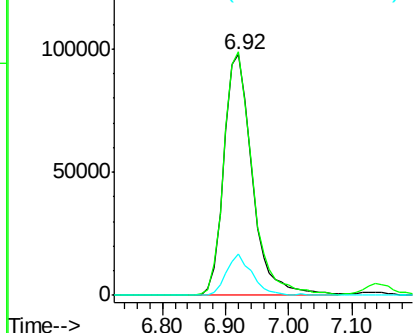
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 305543
 Ion Ratio Lower Upper
 113 100
 111 101.2 79.3 118.9
 192 17.1 12.3 18.5

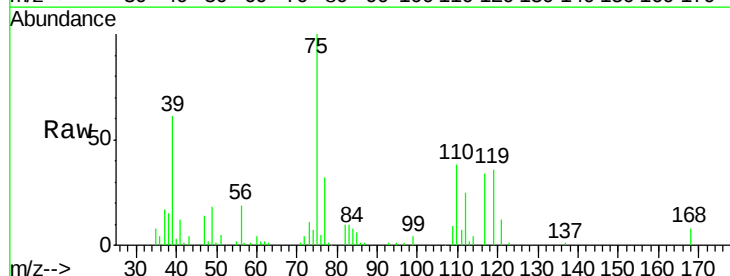


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

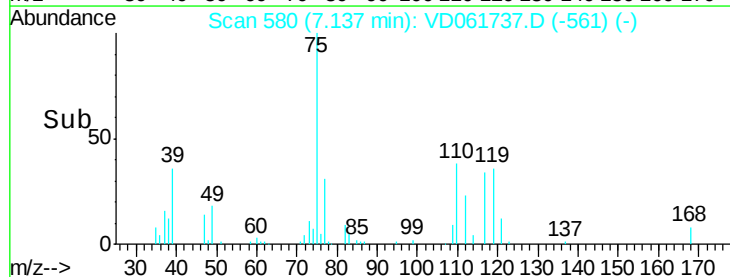
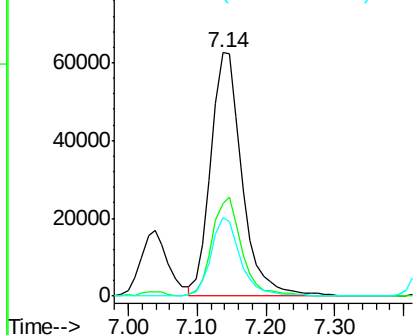


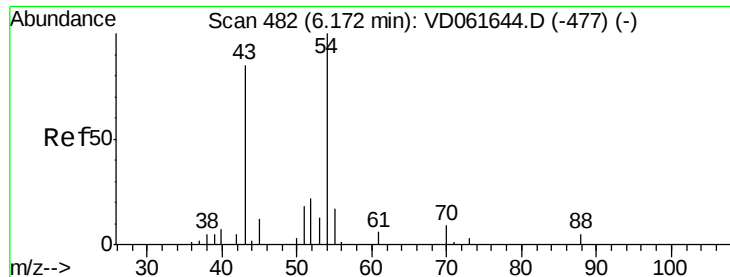
#36
 1,1-Dichloropropene
 Concen: 21.506 ug/l
 RT: 7.14 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Tgt Ion: 75 Resp: 198007
 Ion Ratio Lower Upper
 75 100
 110 37.8 19.7 59.0
 77 32.0 24.8 37.2



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

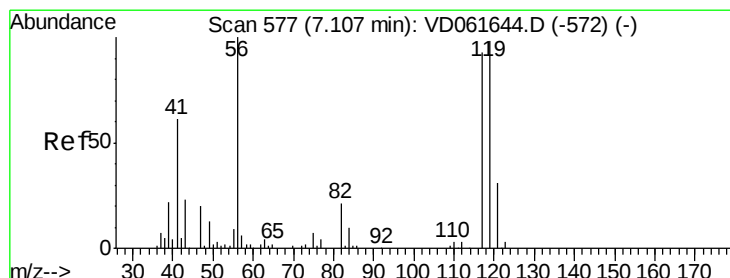
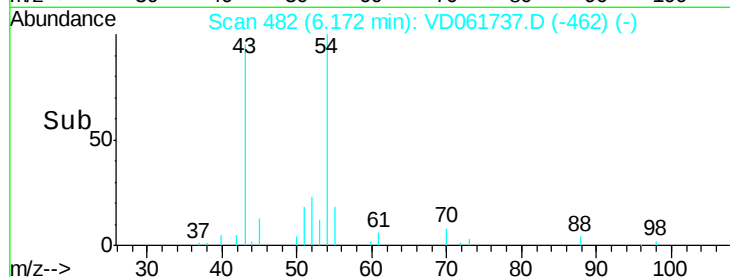
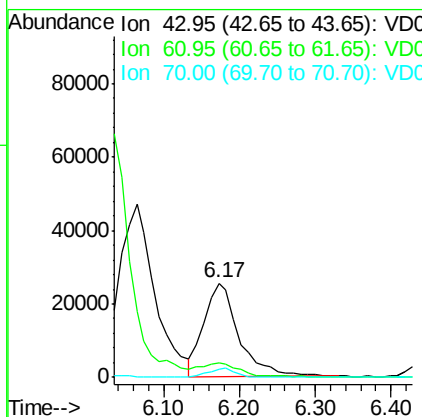
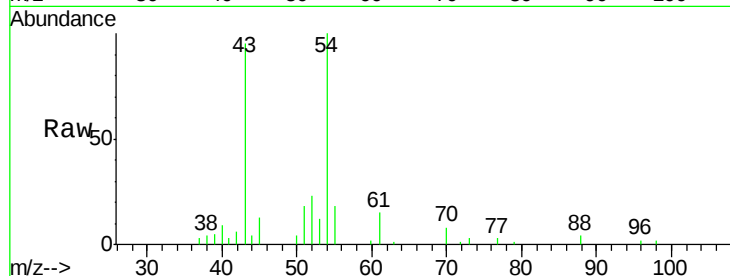




#37
Ethyl Acetate
Concen: 21.691 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

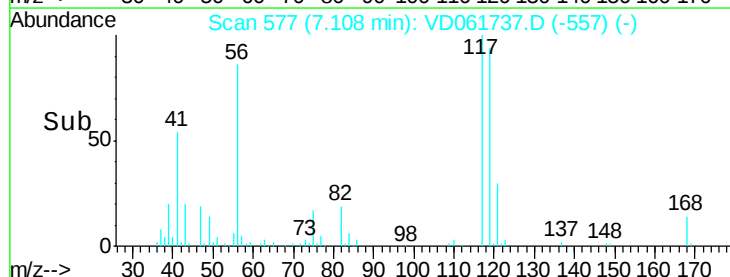
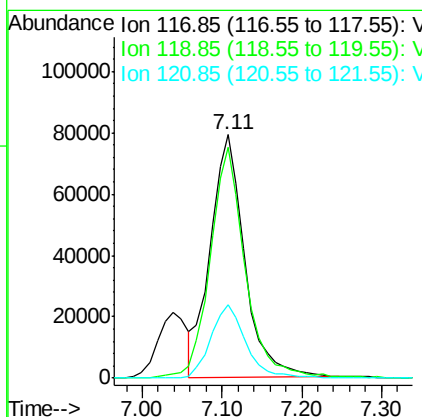
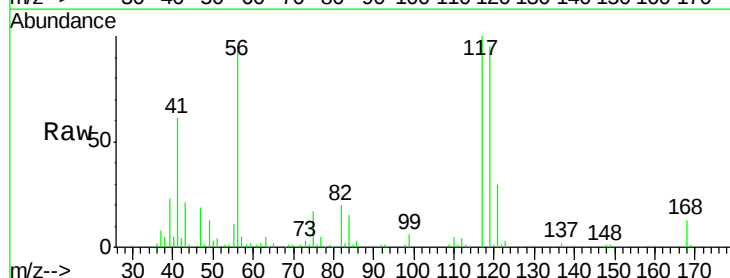
Instrument :
MSVOA_D
ClientSampleId :

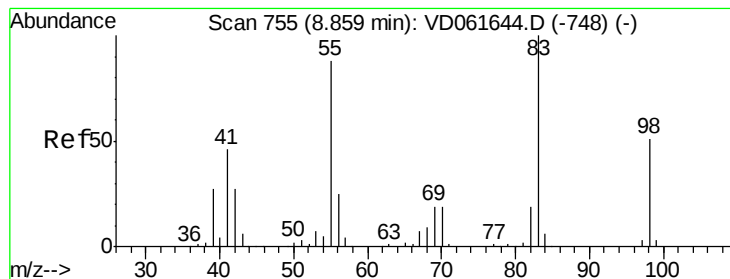
Tot Ion: 43 Resp: 81347
Ion Ratio Lower Upper
43 100
61 16.0 11.9 17.9
70 8.9 6.9 10.3



#38
Carbon Tetrachloride
Concen: 22.203 ug/l
RT: 7.11 min Scan# 577
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion: 117 Resp: 239592
Ion Ratio Lower Upper
117 100
119 94.6 77.9 116.9
121 30.1 24.7 37.1





#39

Methvlcvclohexane

Concen: 21.524 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

ClientSampled :

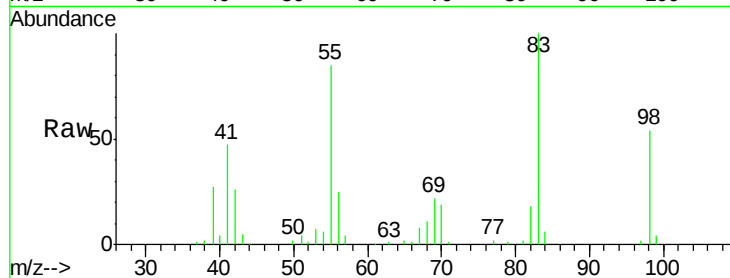
Tot Ion: 83 Resp: 203457

Ion Ratio Lower Upper

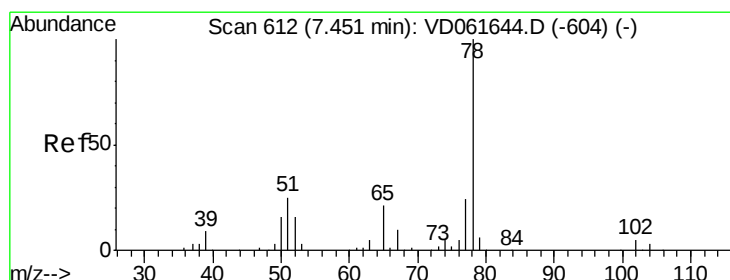
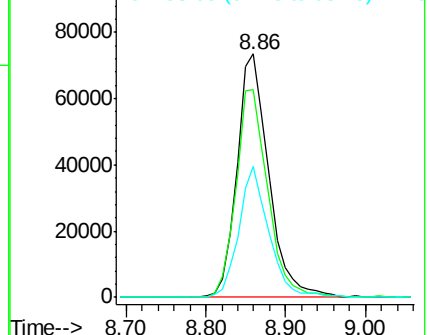
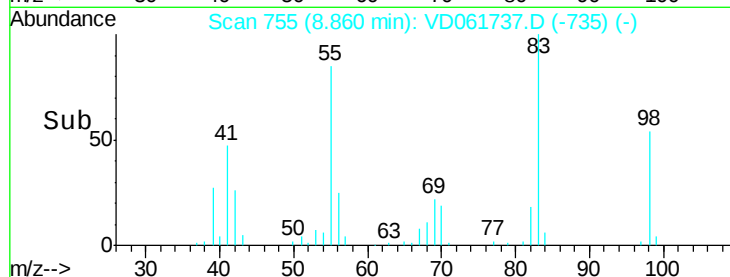
83 100

55 85.1 70.3 105.5

98 54.0 41.0 61.6



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: 22.063 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD061737.D

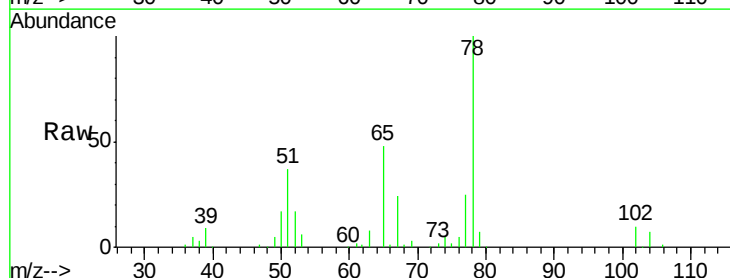
Acq: 11 Apr 2019 13:29

Tgt Ion: 78 Resp: 490063

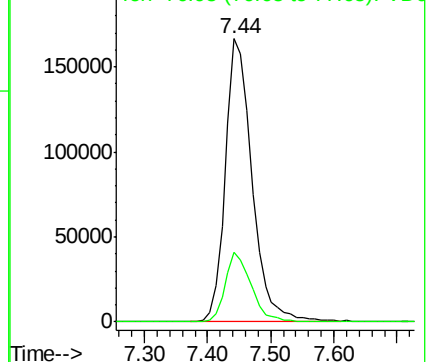
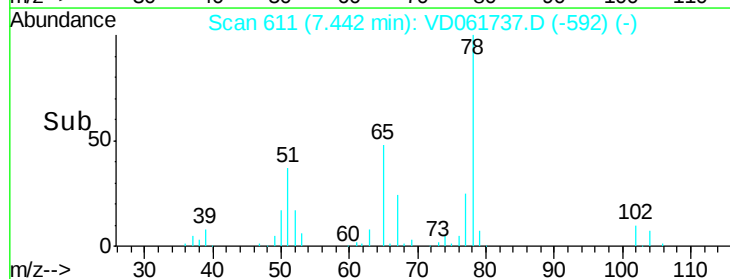
Ion Ratio Lower Upper

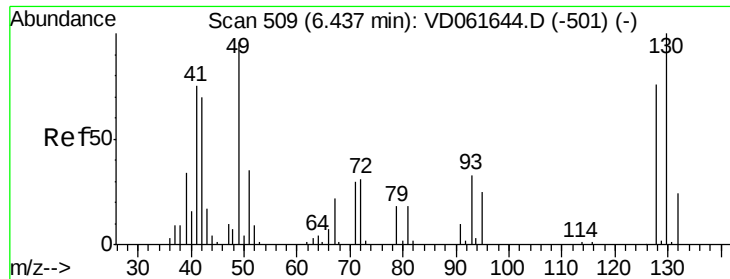
78 100

77 24.8 19.5 29.3



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





#41

Methacrylonitrile

Concen: 22.086 ug/l

RT: 6.44 min Scan# 509

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 96691

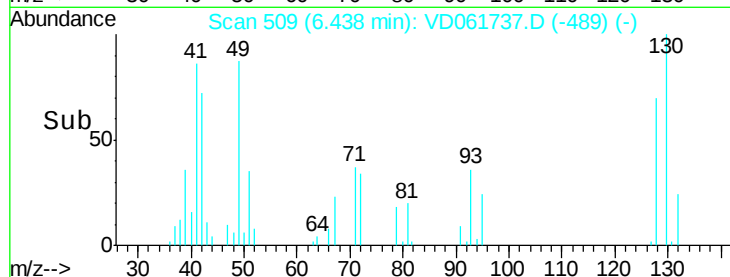
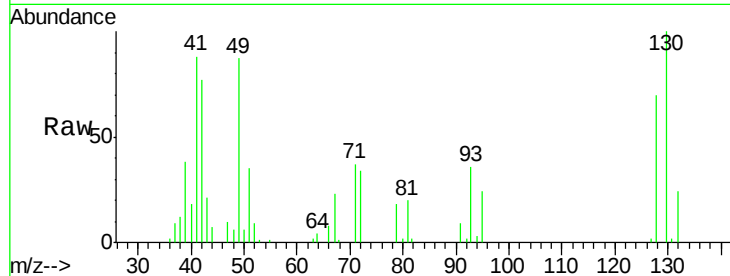
Ion Ratio Lower Upper

41 100

39 42.8 36.2 54.2

67 26.3 23.2 34.8

52 10.7 10.0 15.0

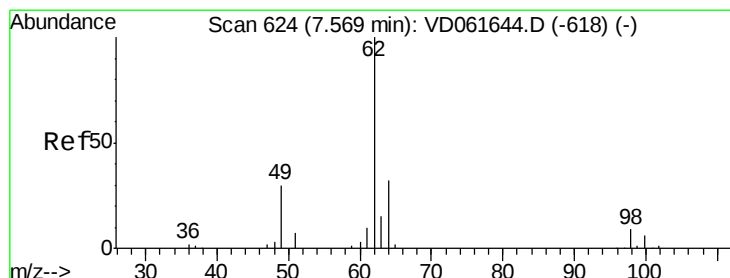
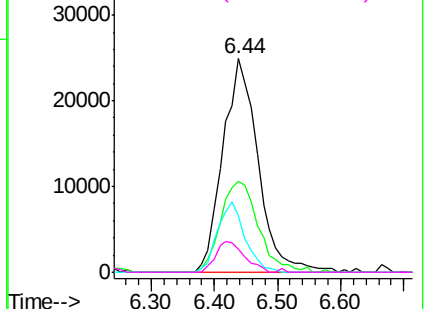


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.257 ug/l

RT: 7.57 min Scan# 624

Delta R.T. 0.00 min

Lab File: VD061737.D

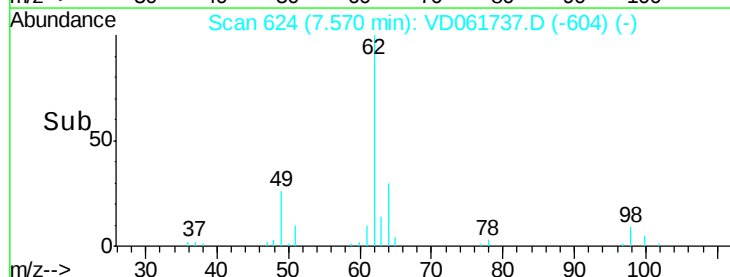
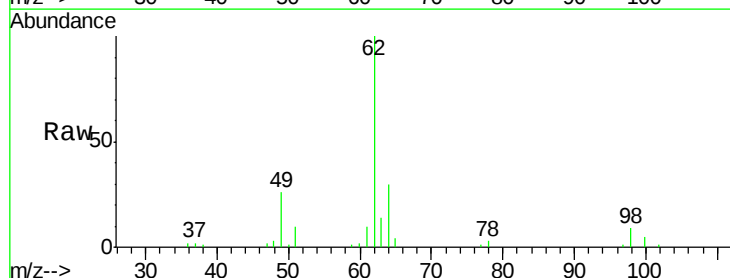
Acq: 11 Apr 2019 13:29

Tgt Ion: 62 Resp: 162458

Ion Ratio Lower Upper

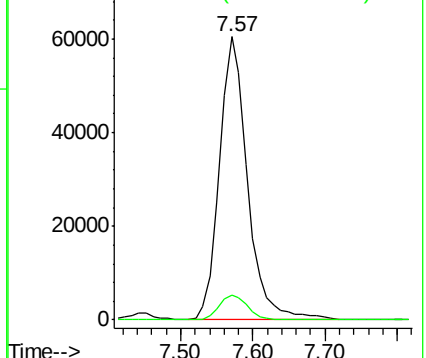
62 100

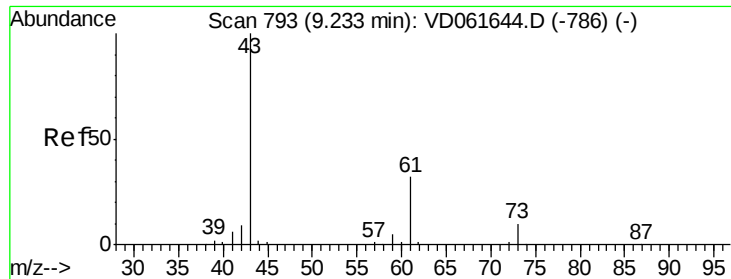
98 8.6 0.0 17.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



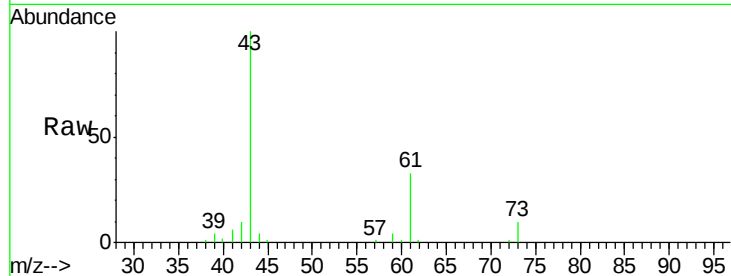


#43

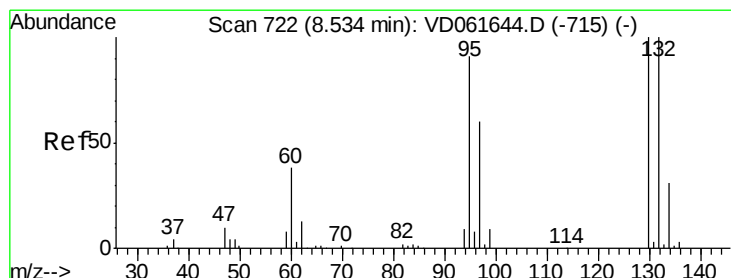
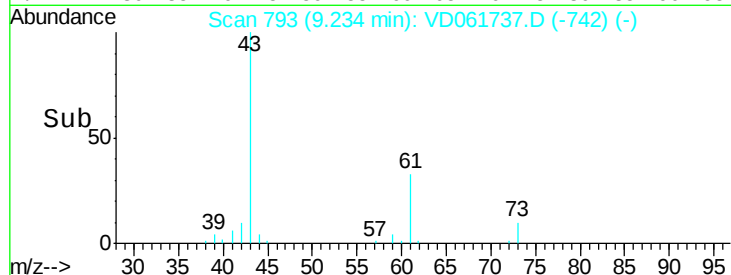
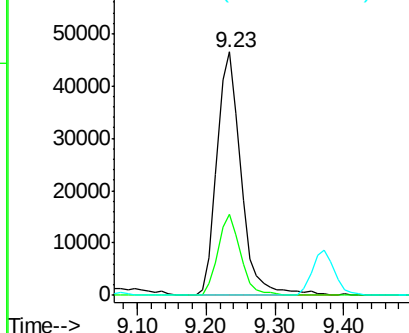
Isopropyl Acetate
 Concen: 20.880 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 113644
 Ion Ratio Lower Upper
 43 100
 61 33.3 25.9 38.9
 87 0.0 0.2 0.4#



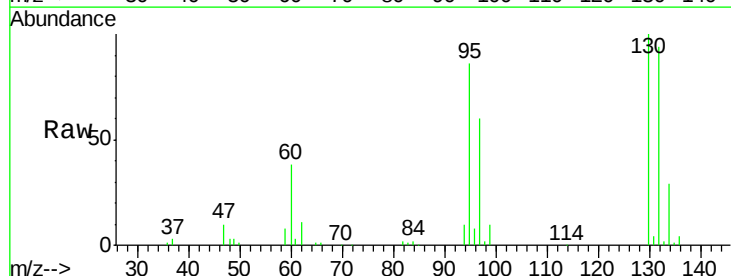
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



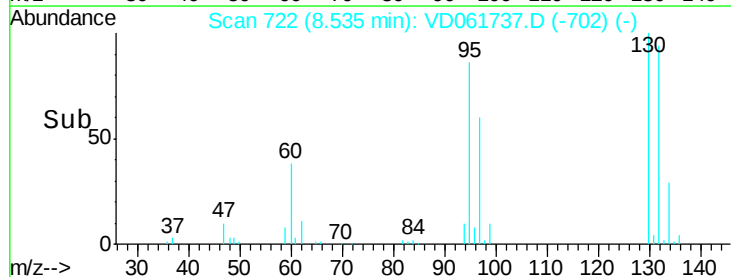
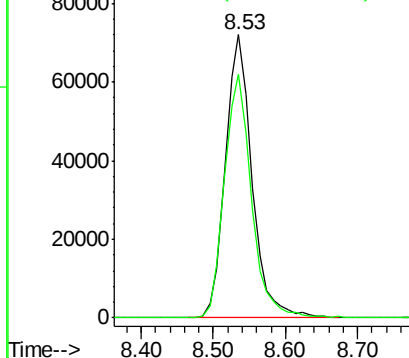
#44

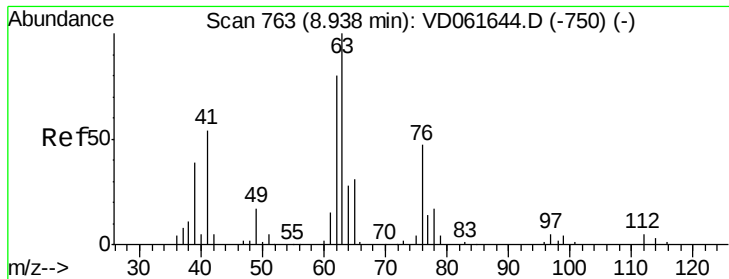
Trichloroethene
 Concen: 21.684 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Tgt Ion:130 Resp: 184647
 Ion Ratio Lower Upper
 130 100
 95 86.0 0.0 181.8



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





#45

1,2-Dichloropropane

Concen: 22.635 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

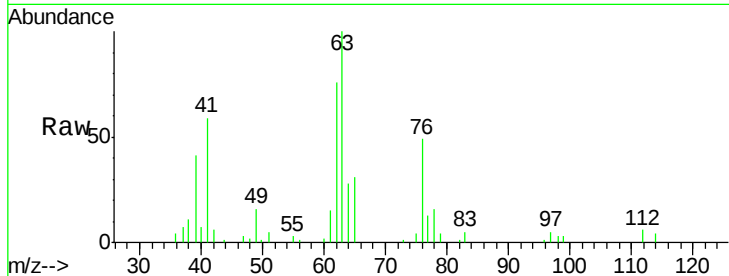
ClientSampleId :

Tot Ion: 63 Resp: 124688

Ion Ratio Lower Upper

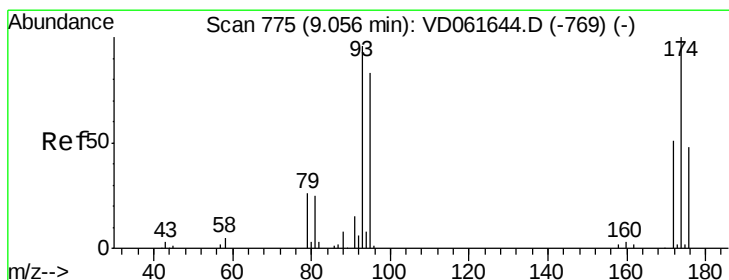
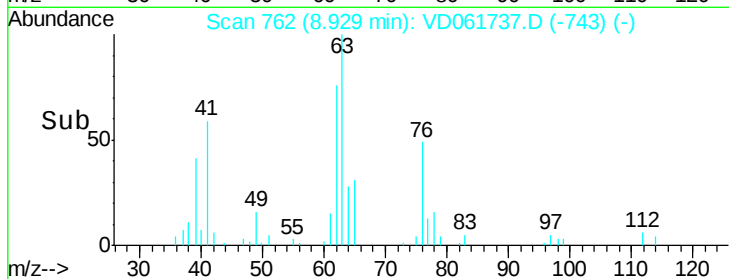
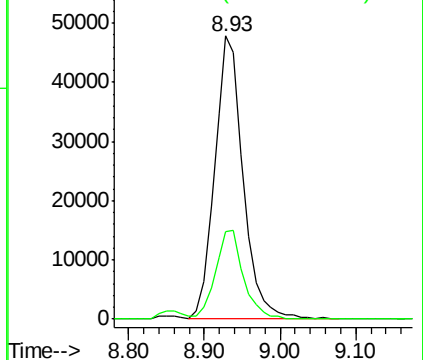
63 100

65 30.7 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.035 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

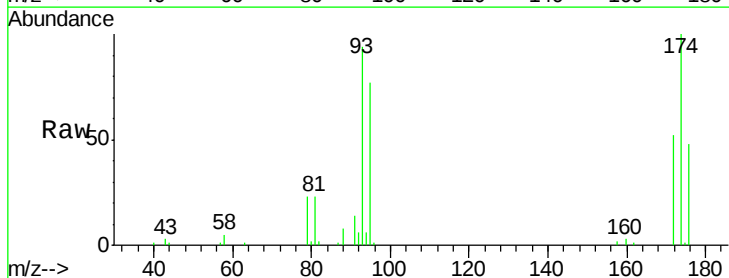
Tgt Ion: 93 Resp: 86750

Ion Ratio Lower Upper

93 100

95 81.1 68.6 103.0

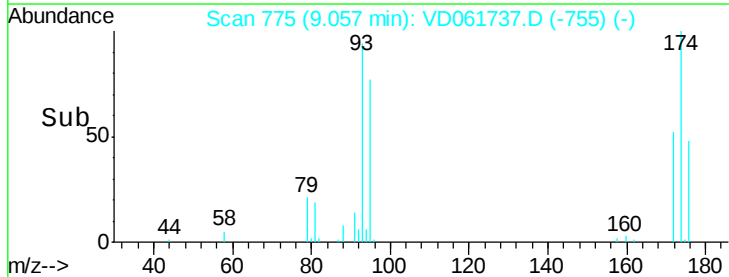
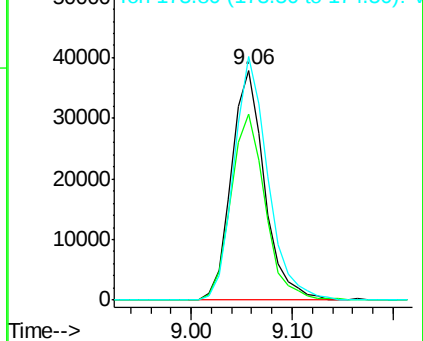
174 105.9 83.0 124.4

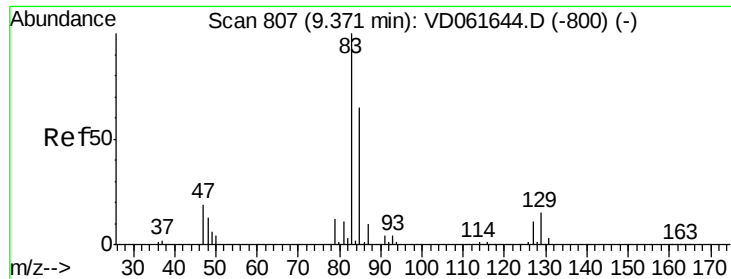


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.766 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

ClientSampled :

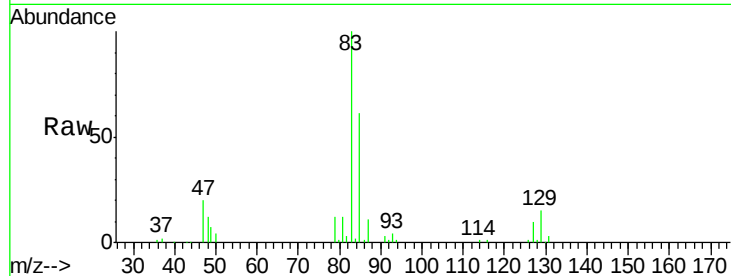
Tot Ion: 83 Resp: 196848

Ion Ratio Lower Upper

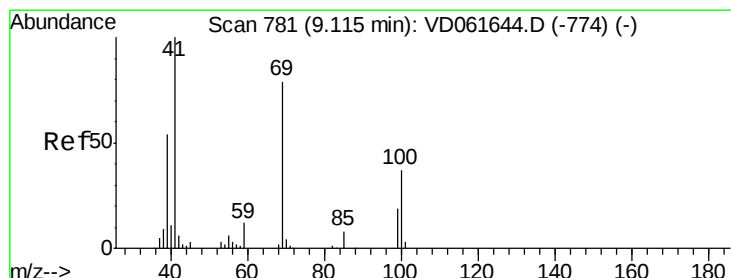
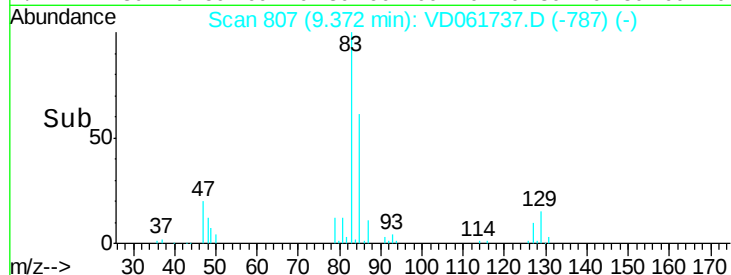
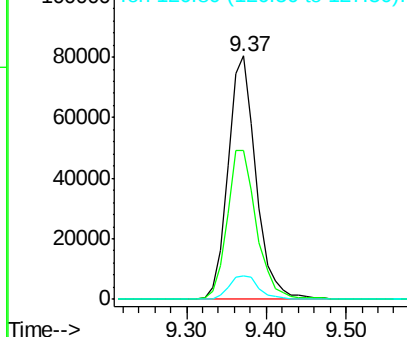
83 100

85 61.2 51.8 77.6

127 9.5 9.0 13.6



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: 21.713 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

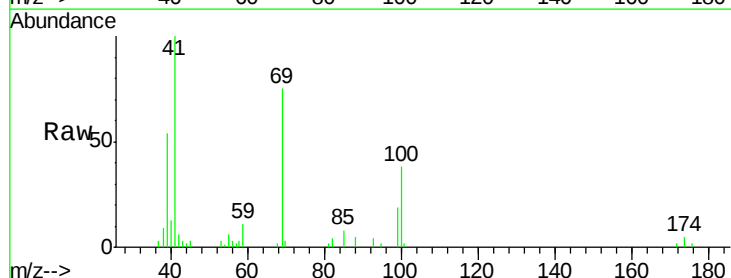
Tgt Ion: 41 Resp: 68122

Ion Ratio Lower Upper

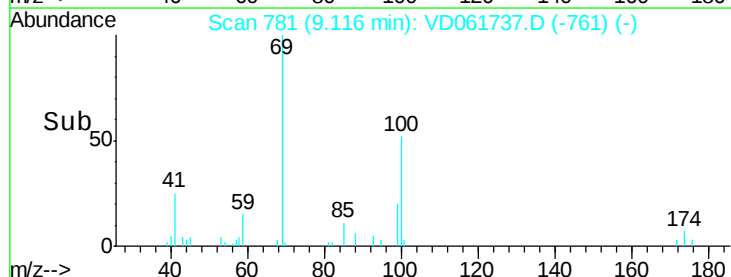
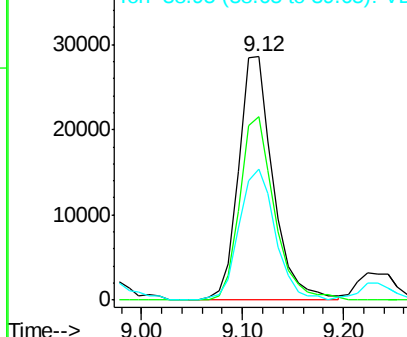
41 100

69 75.1 63.1 94.7

39 53.7 43.8 65.8



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

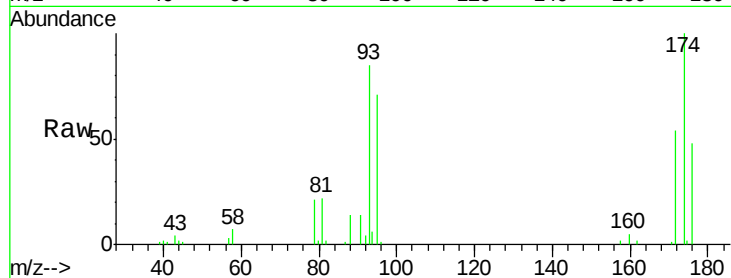




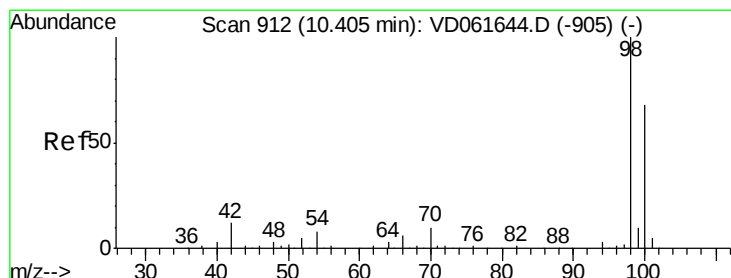
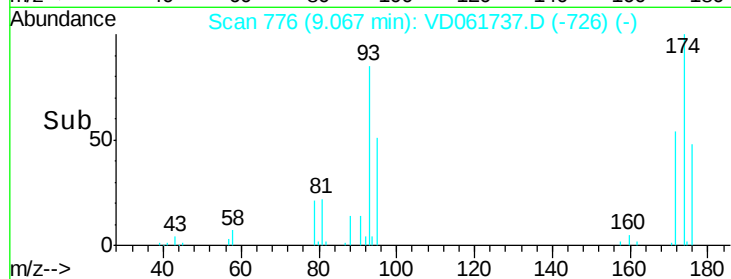
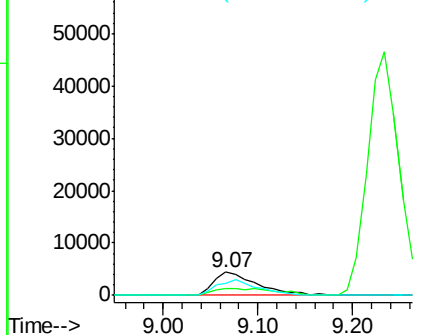
#49
 1,4-Dioxane
 Concen: 404.683 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 88 Resp: 14014
 Ion Ratio Lower Upper
 88 100
 43 28.4 21.8 32.8
 58 52.2 40.2 60.2

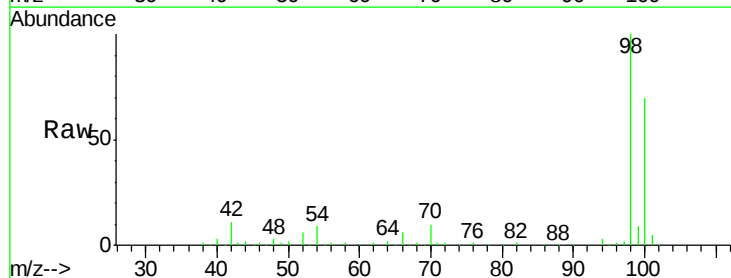


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

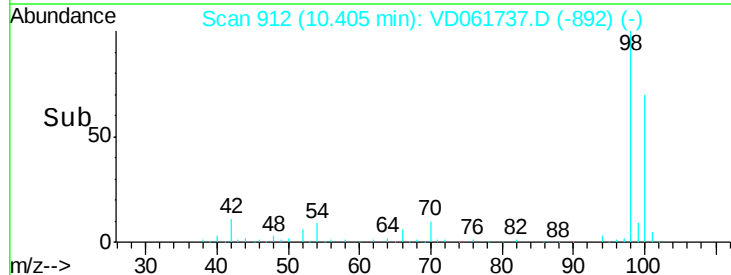
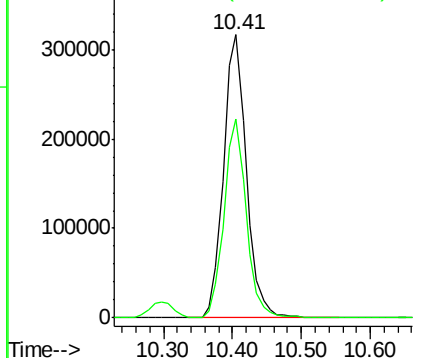


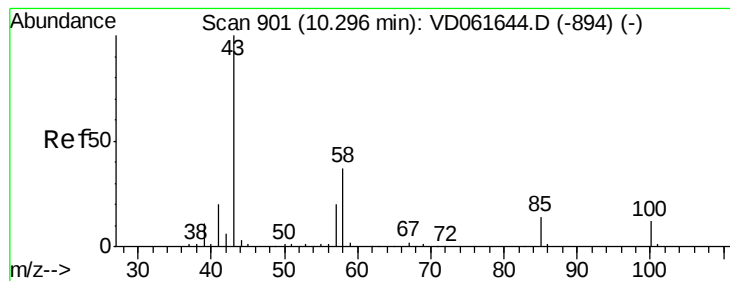
#50
 Toluene-d8
 Concen: 404.683 ug/l
 RT: 10.41 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Tgt Ion: 98 Resp: 728255
 Ion Ratio Lower Upper
 98 100
 100 70.3 55.4 83.0



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





#51

4-Methyl-2-Pentanone

Concen: 109.634 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

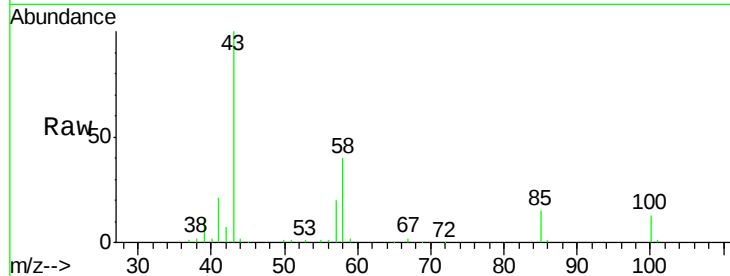
ClientSampleId :

Tot Ion: 43 Resp: 352884

Ion Ratio Lower Upper

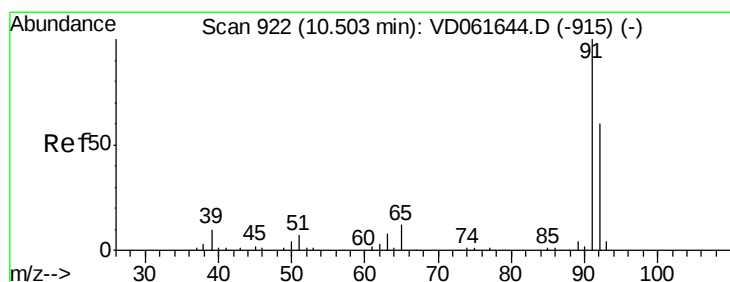
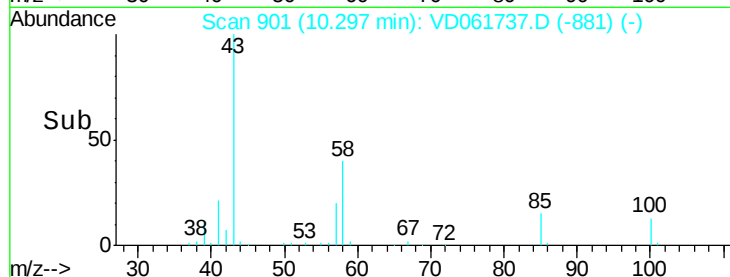
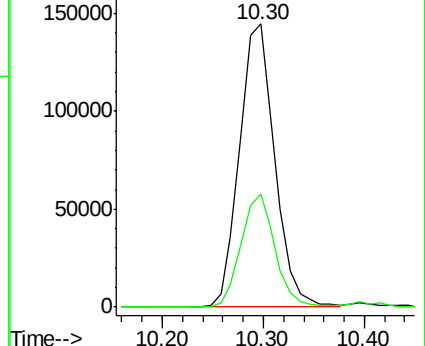
43 100

58 40.1 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.882 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD061737.D

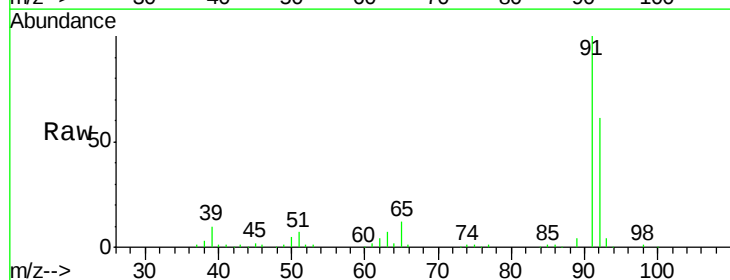
Acq: 11 Apr 2019 13:29

Tgt Ion: 92 Resp: 303509

Ion Ratio Lower Upper

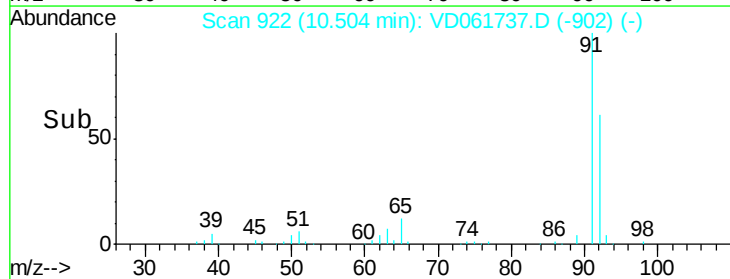
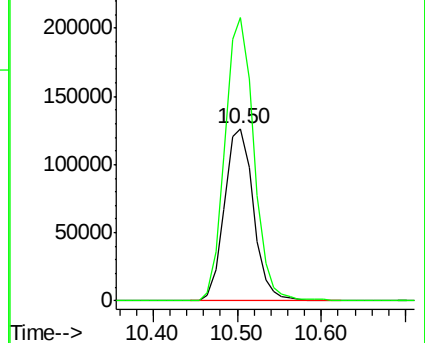
92 100

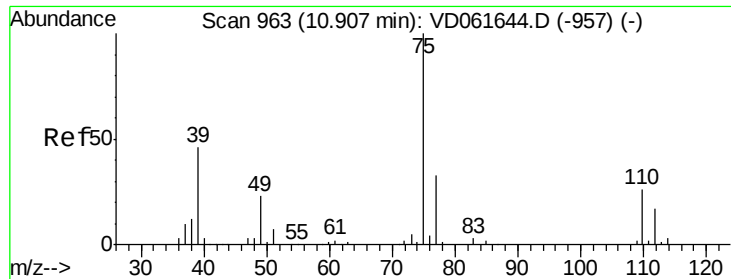
91 164.1 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 23.562 ug/l

RT: 10.91 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

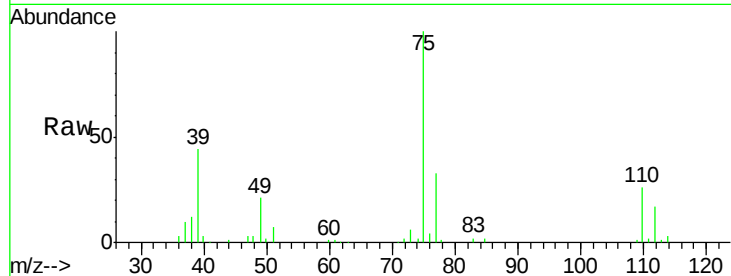
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 178582

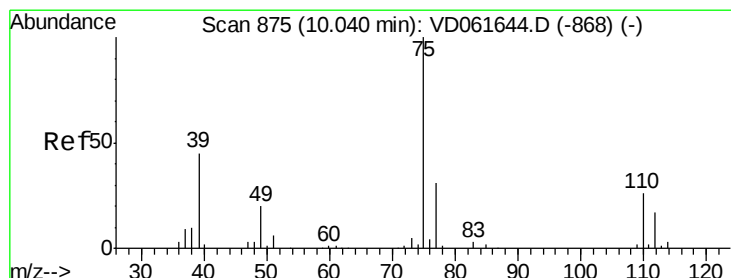
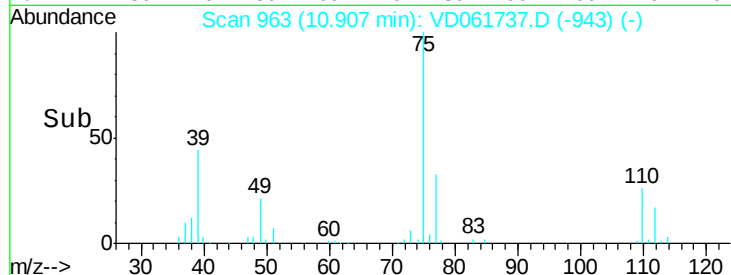
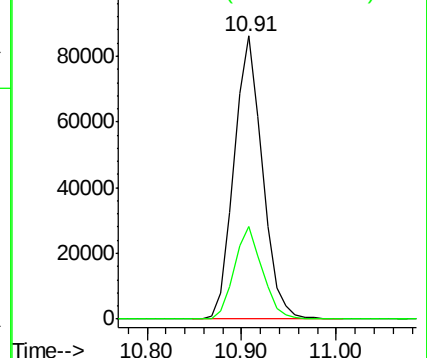
Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.2



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



#54

cis-1,3-Dichloropropene

Concen: 21.243 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

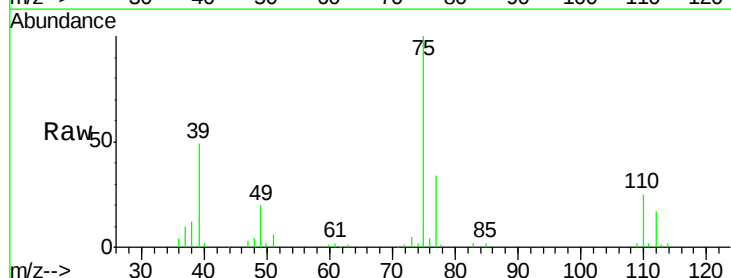
Tgt Ion: 75 Resp: 198478

Ion Ratio Lower Upper

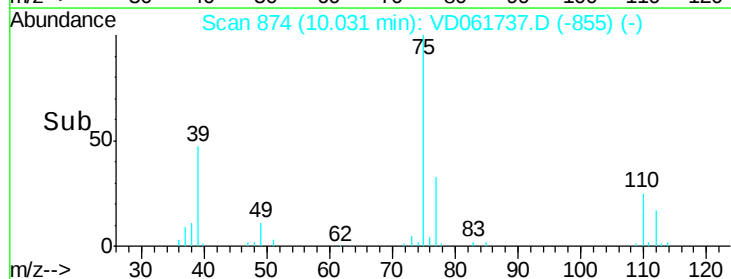
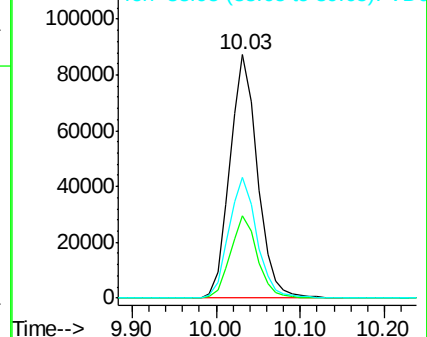
75 100

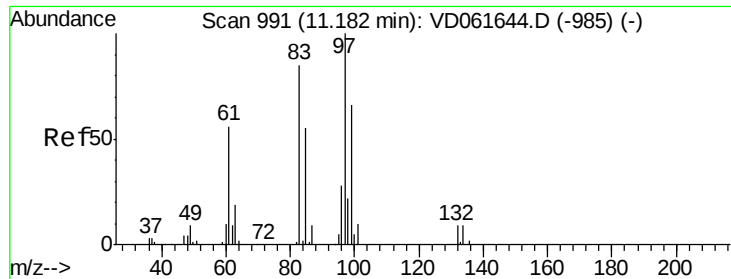
77 33.6 24.6 37.0

39 49.4 36.2 54.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC



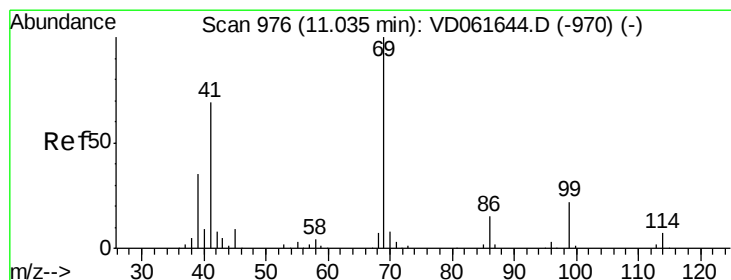
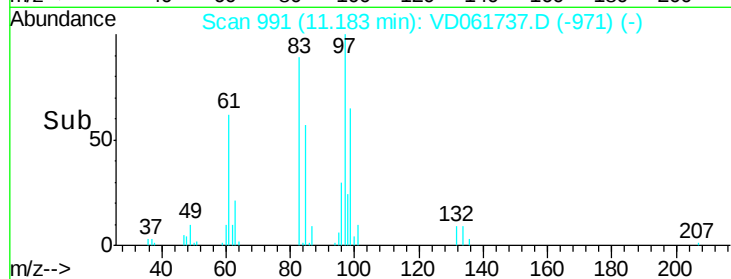
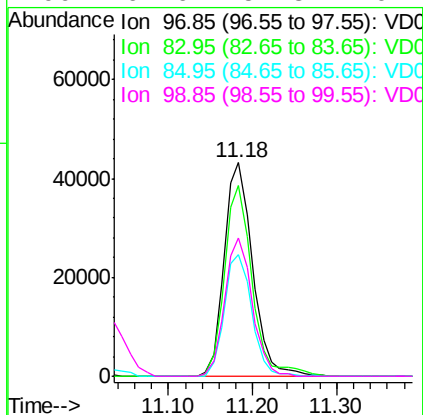
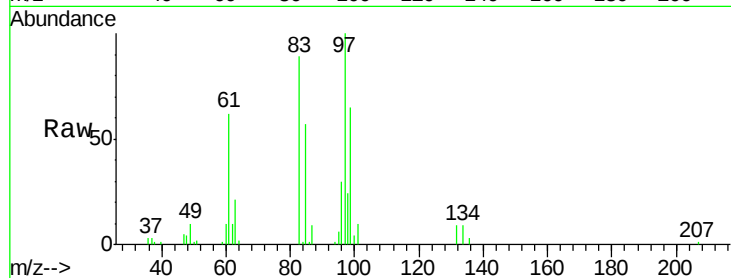


#55
 1,1,2-Trichloroethane
 Concen: 21.641 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 101238

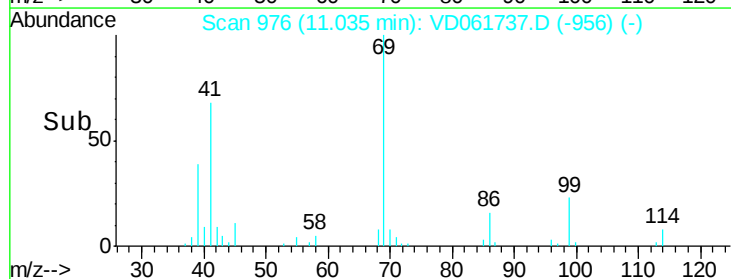
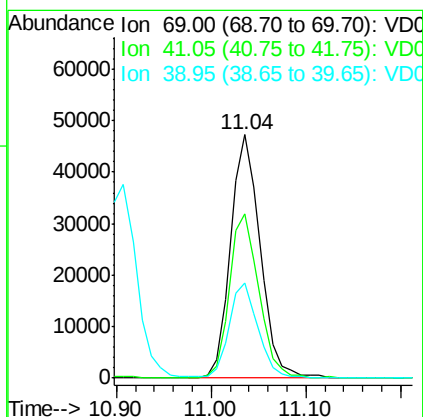
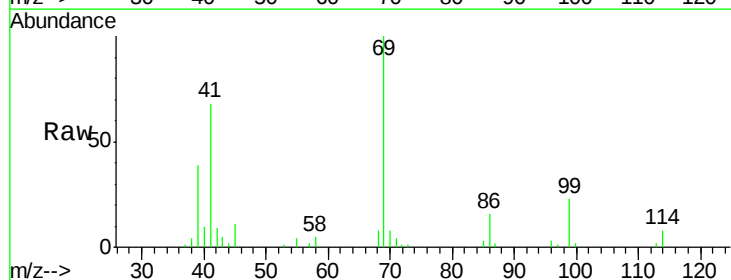
Ion	Ratio	Lower	Upper
97	100		
83	89.4	67.8	101.6
85	57.2	43.8	65.8
99	64.6	52.8	79.2

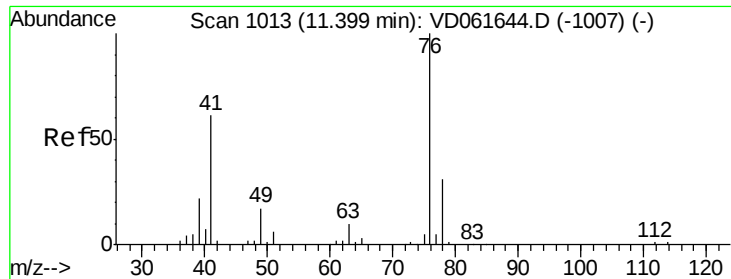


#56
 Ethyl methacrylate
 Concen: 20.741 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Tgt Ion: 69 Resp: 102355

Ion	Ratio	Lower	Upper
69	100		
41	67.7	55.2	82.8
39	38.8	28.6	43.0

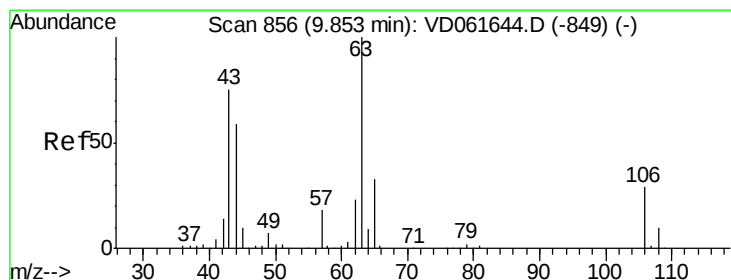
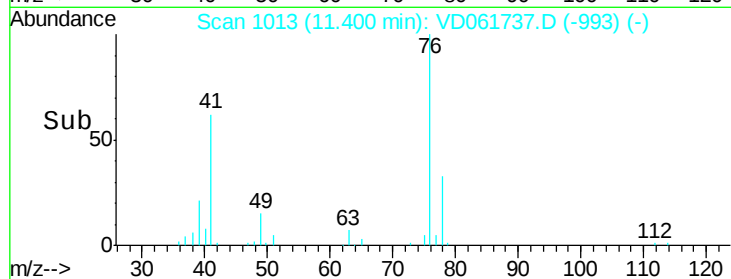
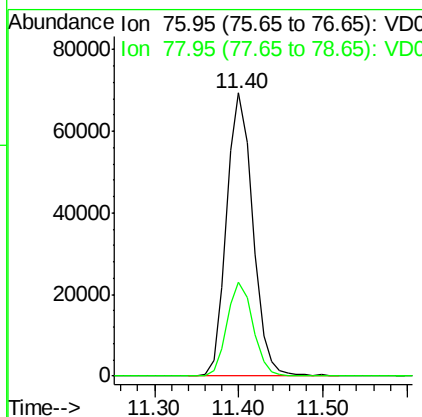
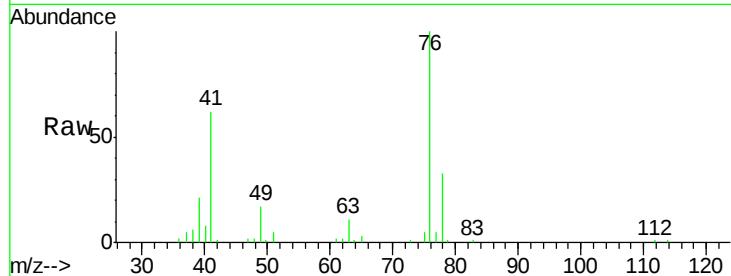




#57
 1,3-Dichloropropane
 Concen: 21.937 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

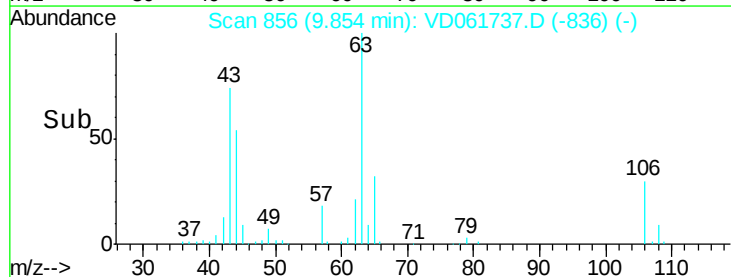
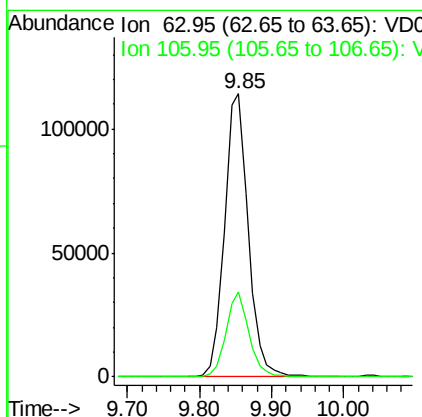
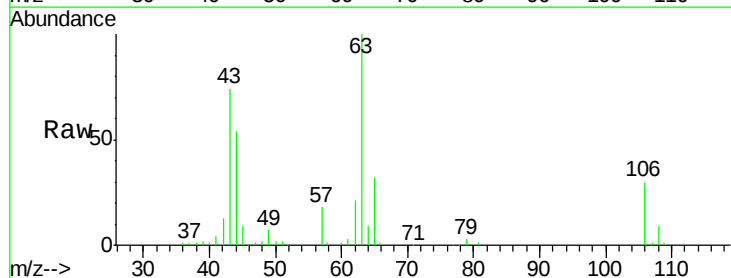
Instrument :
 MSVOA_D
 ClientSampled :

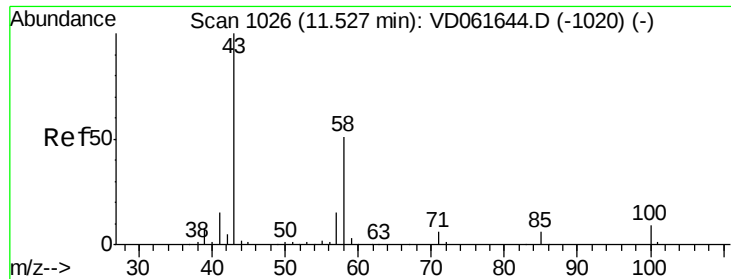
Tot Ion: 76 Resp: 150286
 Ion Ratio Lower Upper
 76 100
 78 33.2 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.711 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Tgt Ion: 63 Resp: 260124
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.0 34.6

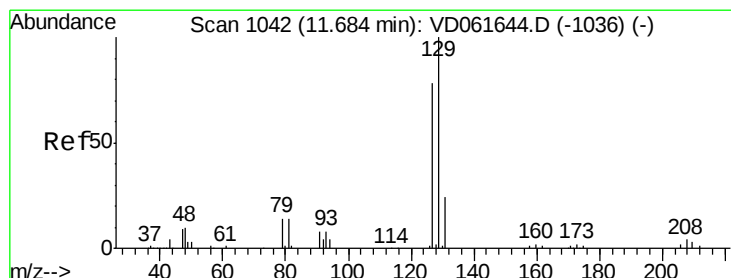
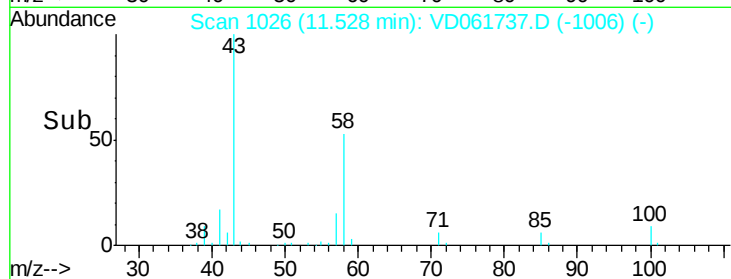
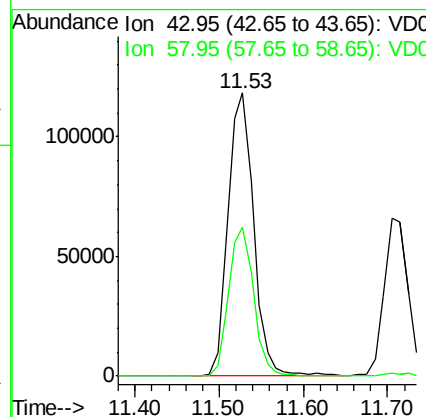
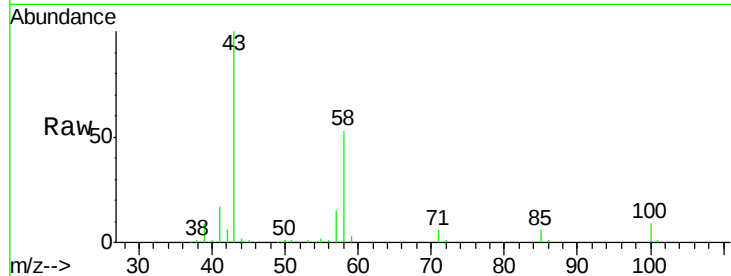




#59
2-Hexanone
Concen: 99.954 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

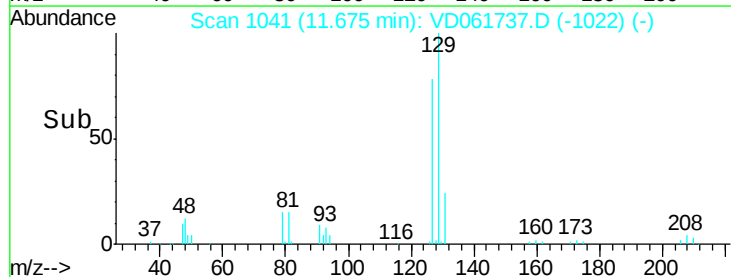
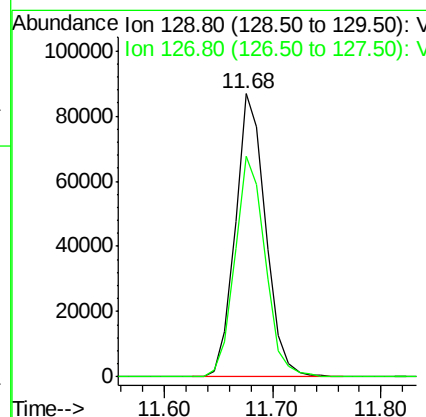
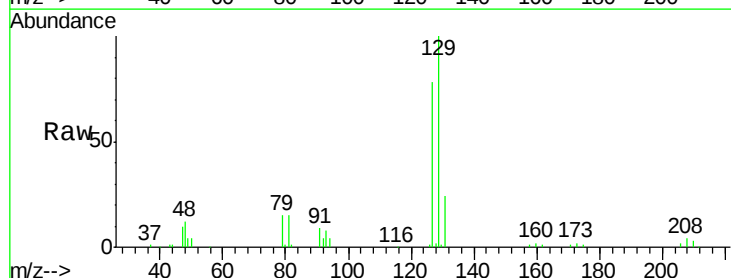
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 249687
Ion Ratio Lower Upper
43 100
58 52.8 25.6 76.8



#60
Dibromochloromethane
Concen: 22.793 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion: 129 Resp: 168458
Ion Ratio Lower Upper
129 100
127 78.0 38.8 116.4

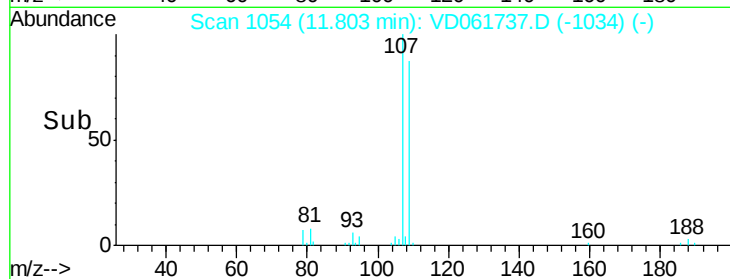
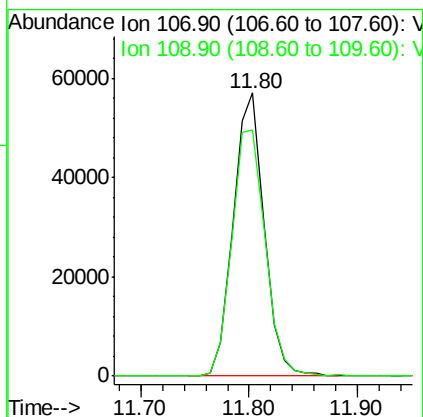
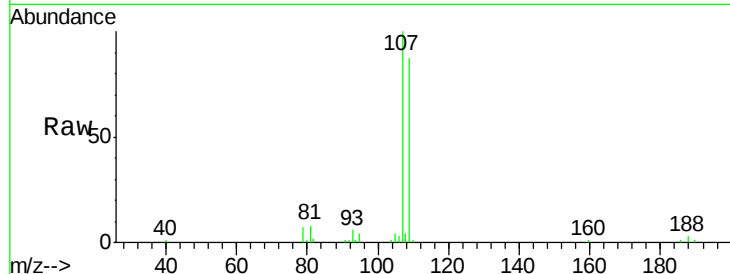




#61
 1,2-Dibromoethane
 Concen: 20.619 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

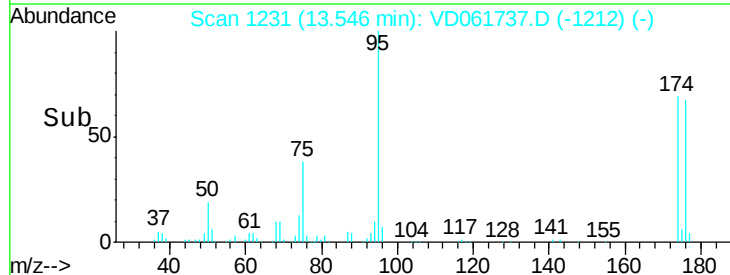
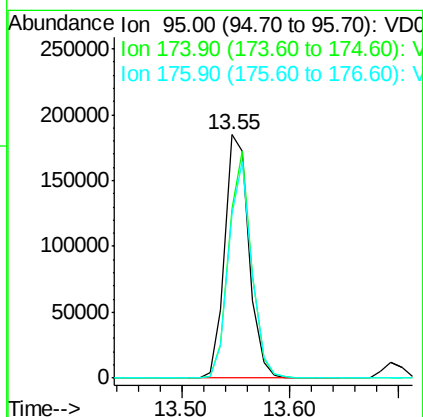
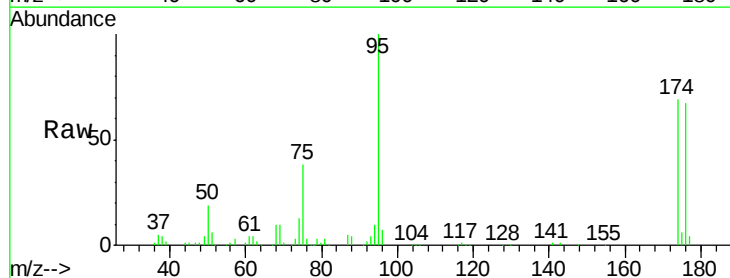
Instrument :
 MSVOA_D
 ClientSampleId :

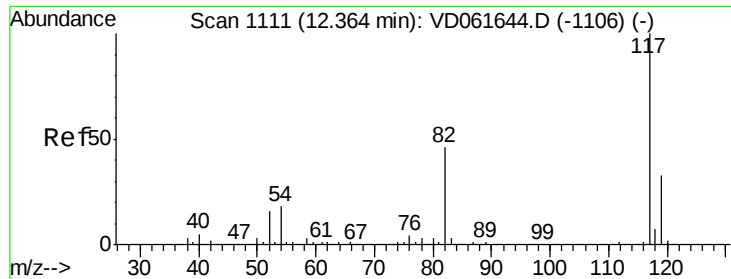
Tot Ion: 107 Resp: 112802
 Ion Ratio Lower Upper
 107 100
 109 87.0 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 20.619 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Tgt Ion: 95 Resp: 288375
 Ion Ratio Lower Upper
 95 100
 174 69.4 0.0 164.6
 176 67.2 0.0 165.0

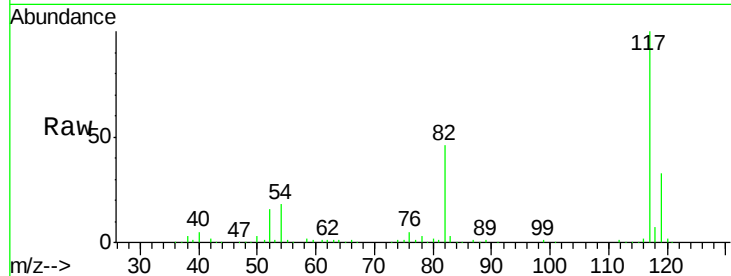




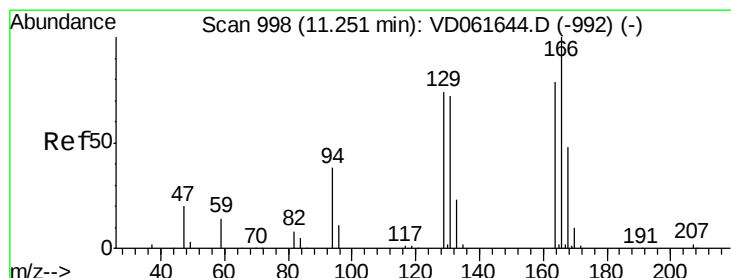
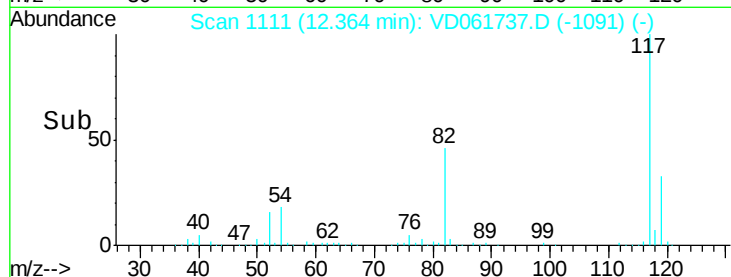
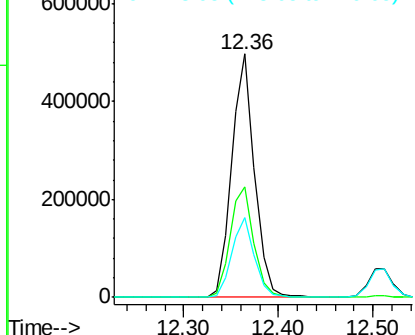
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 826559
Ion Ratio Lower Upper
117 100
82 45.5 36.8 55.2
119 32.5 26.1 39.1

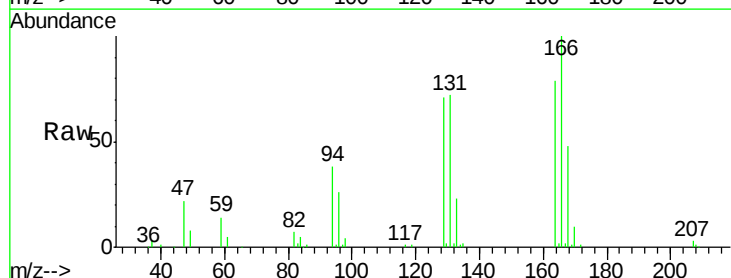


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

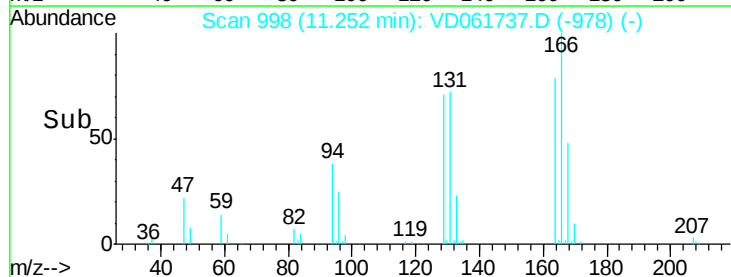
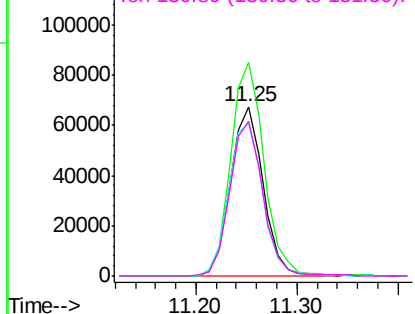


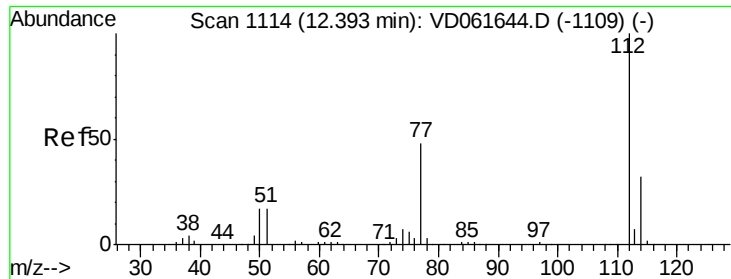
#64
Tetrachloroethene
Concen: 23.651 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion:164 Resp: 151748
Ion Ratio Lower Upper
164 100
166 126.1 101.8 152.8
129 89.8 75.4 113.0
131 91.4 73.6 110.4



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

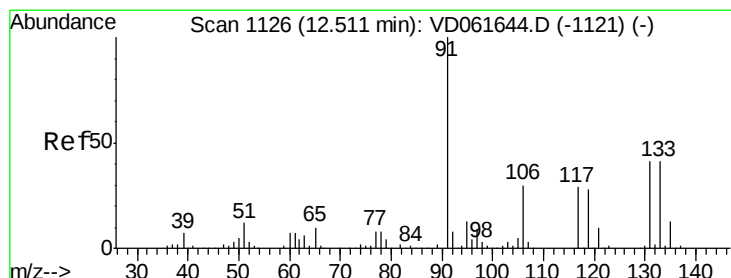
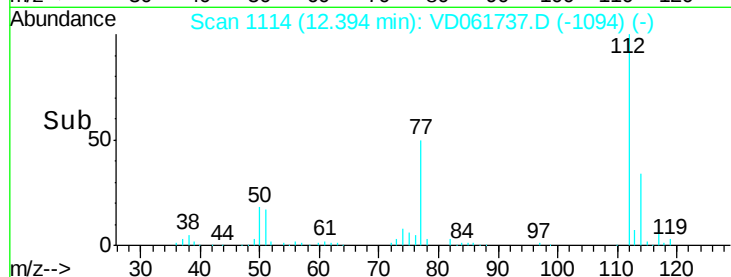
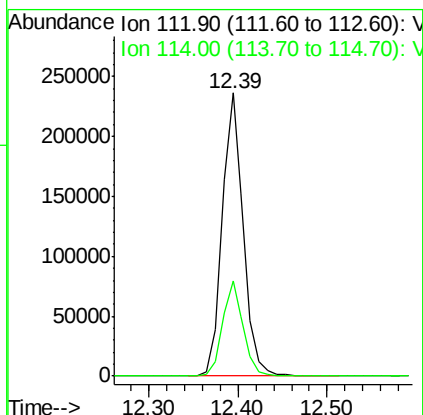
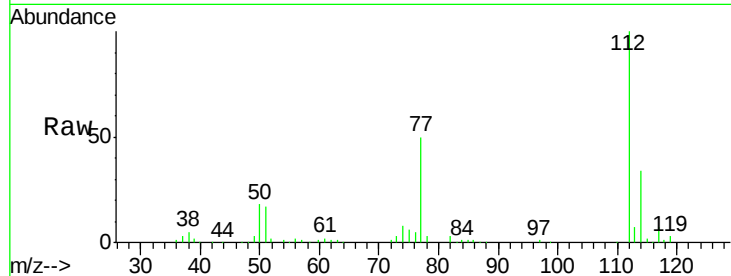




#65
Chlorobenzene
Concen: 23.841 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

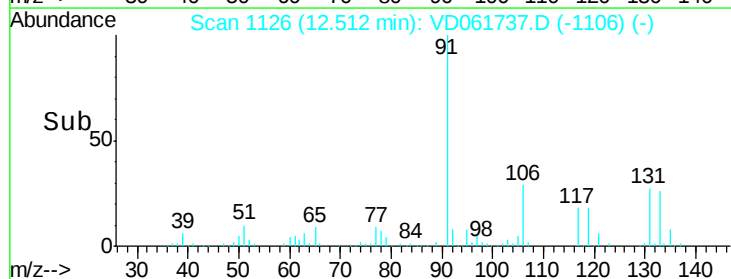
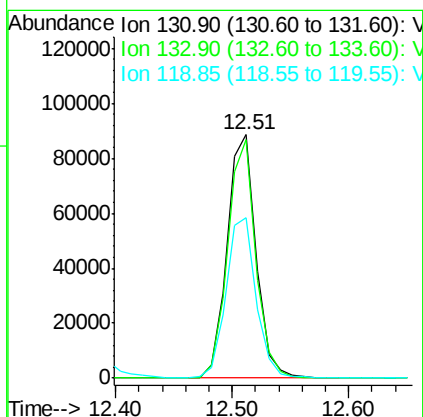
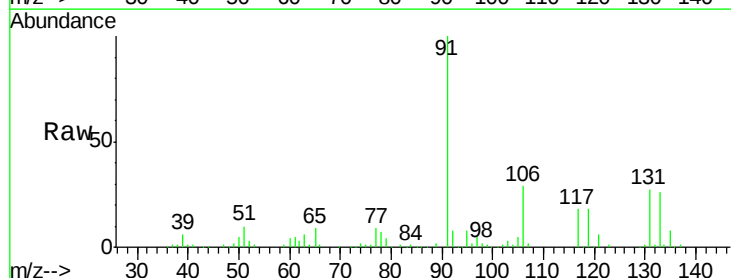
Instrument :
MSVOA_D
ClientSampled :

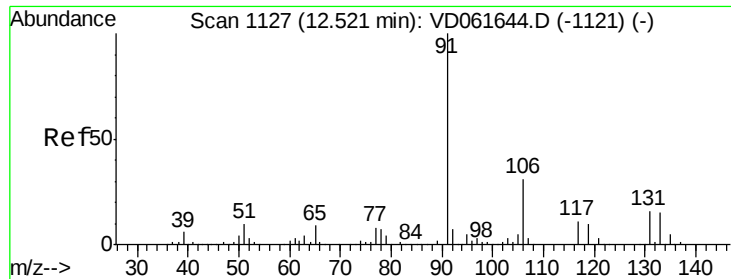
Tot Ion:112 Resp: 390790
Ion Ratio Lower Upper
112 100
114 33.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 24.094 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion:131 Resp: 151976
Ion Ratio Lower Upper
131 100
133 97.9 49.5 148.3
119 65.7 34.7 104.1

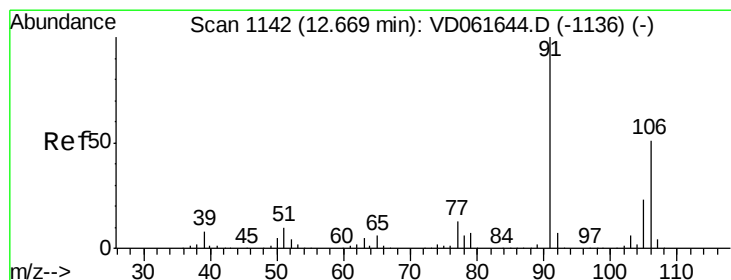
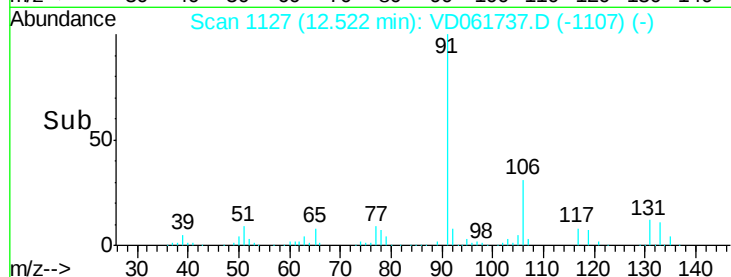
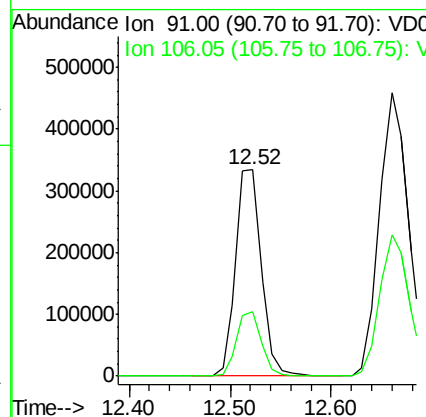
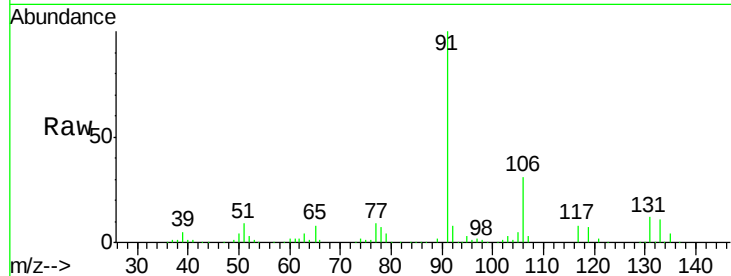




#67
Ethyl Benzene
Concen: 23.743 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

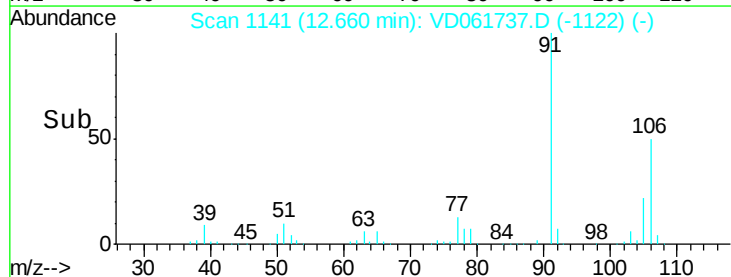
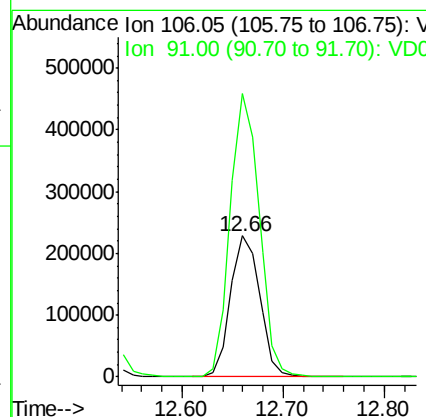
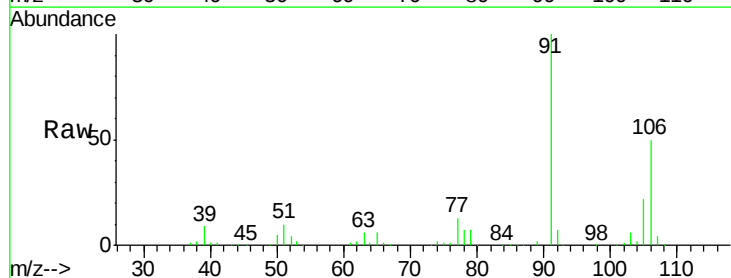
Instrument :
MSVOA_D
ClientSampled :

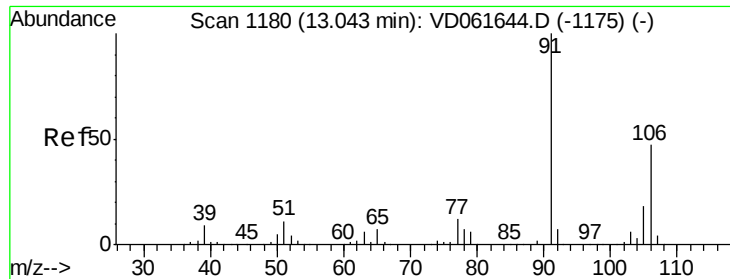
Tot Ion: 91 Resp: 592660
Ion Ratio Lower Upper
91 100
106 31.2 24.6 37.0



#68
m/p-Xylenes
Concen: 48.021 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion: 106 Resp: 462105
Ion Ratio Lower Upper
106 100
91 200.7 156.7 235.1

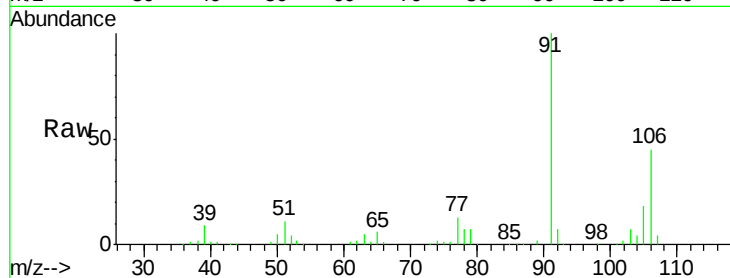




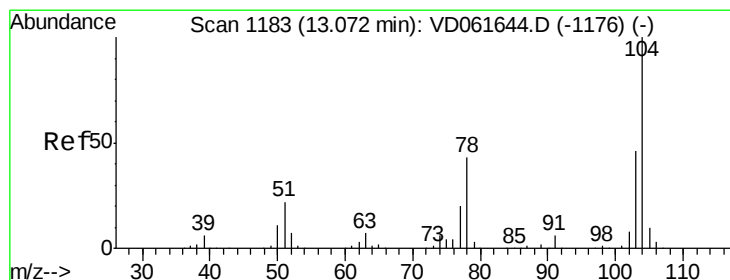
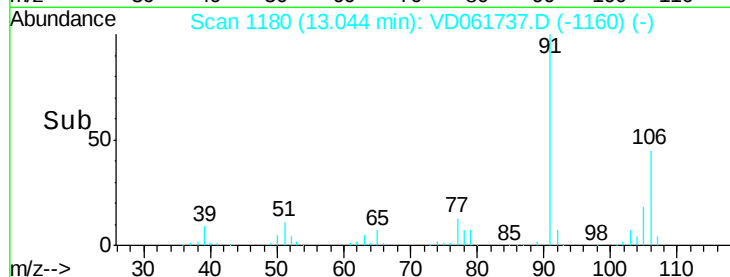
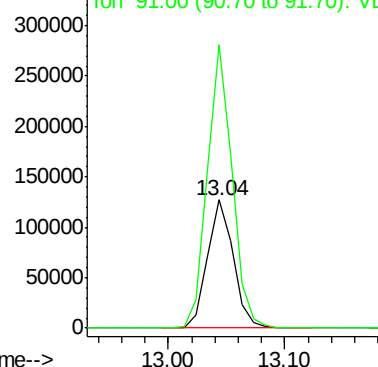
#69
o-Xylene
Concen: 20.991 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 194986
Ion Ratio Lower Upper
106 100
91 221.3 107.3 321.9

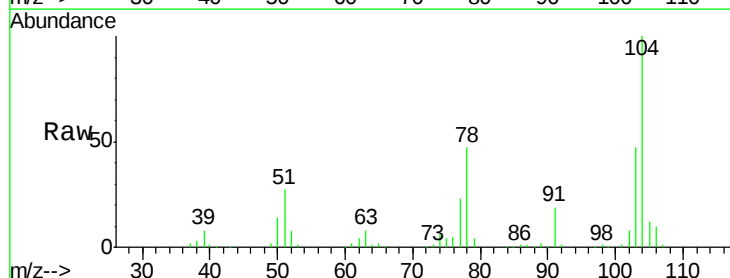


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

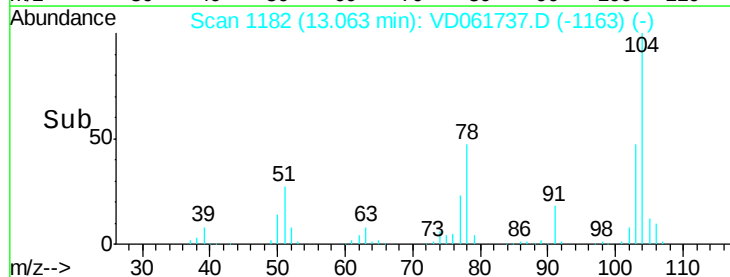
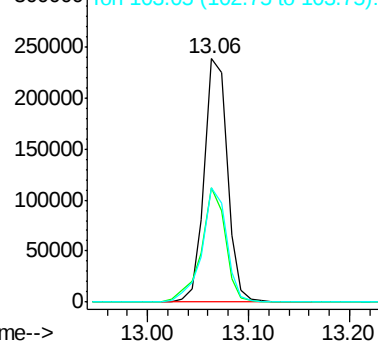


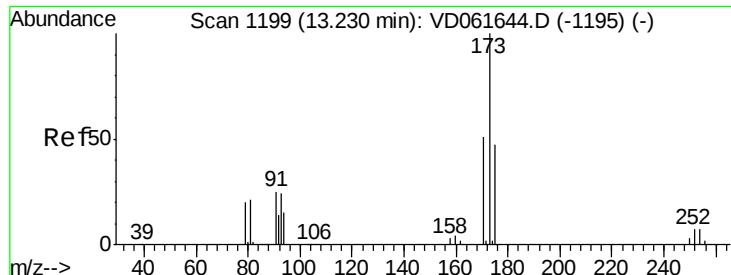
#70
Styrene
Concen: 23.867 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion:104 Resp: 378627
Ion Ratio Lower Upper
104 100
78 47.1 34.2 51.4
103 46.7 37.2 55.8



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





#71

Bromoform

Concen: 20.637 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

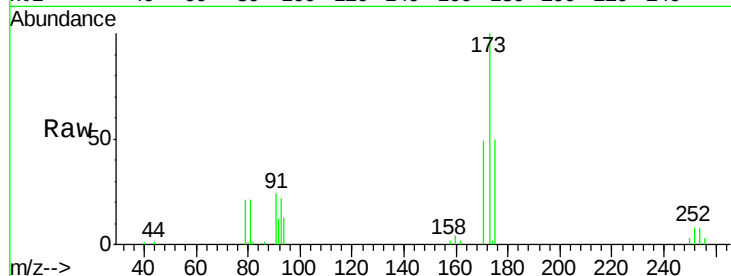
Tot Ion:173 Resp: 80763

Ion Ratio Lower Upper

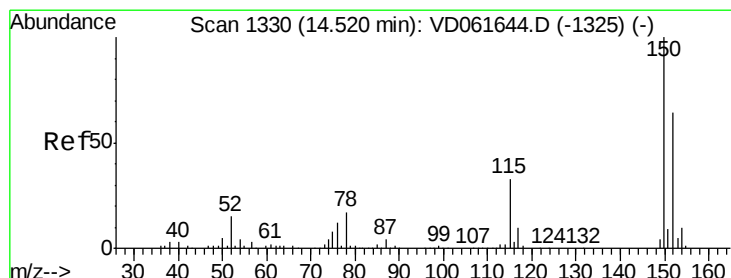
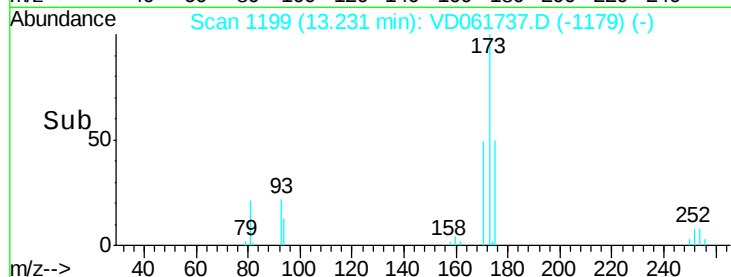
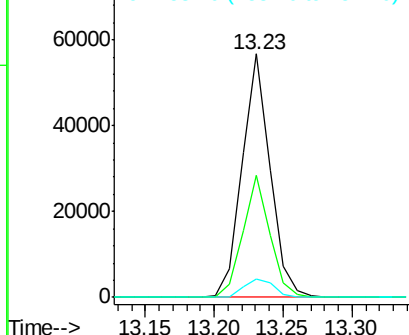
173 100

175 50.4 23.7 71.1

254 7.6 5.8 8.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

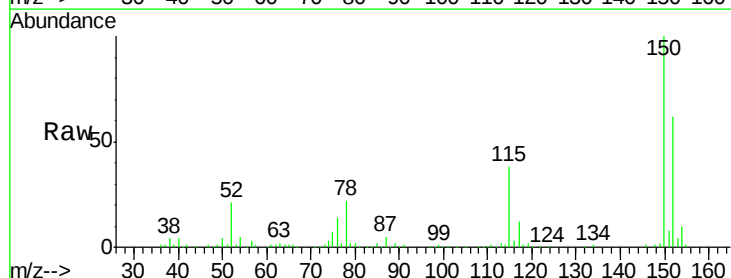
Tgt Ion:152 Resp: 390499

Ion Ratio Lower Upper

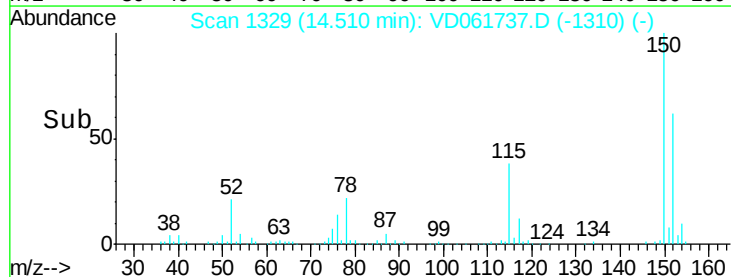
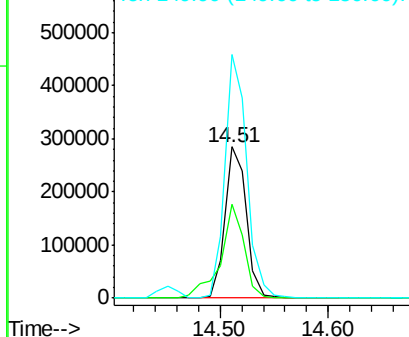
152 100

115 61.7 26.4 79.2

150 161.0 0.0 320.6



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

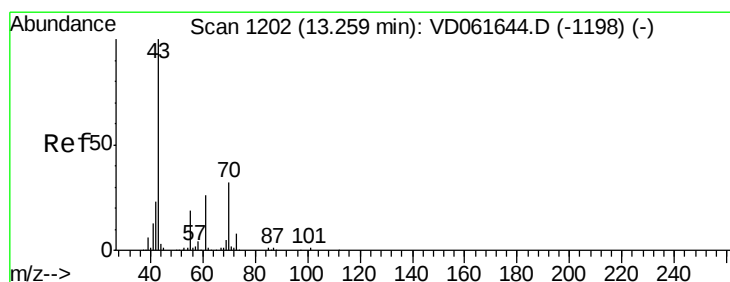
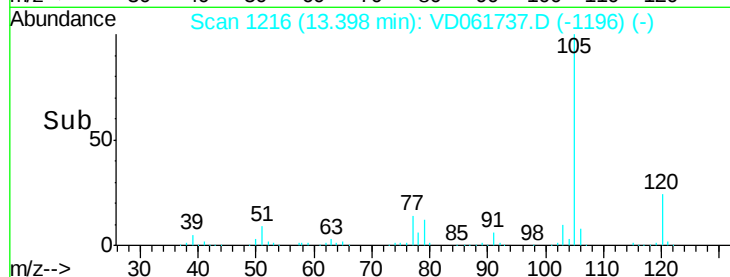
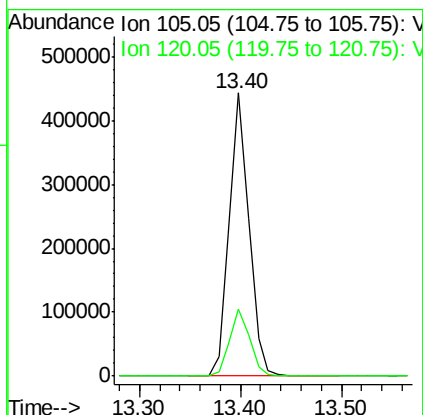
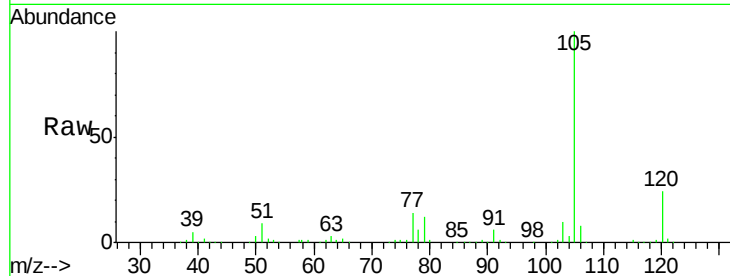




#73
Isopropylbenzene
Concen: 23.080 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

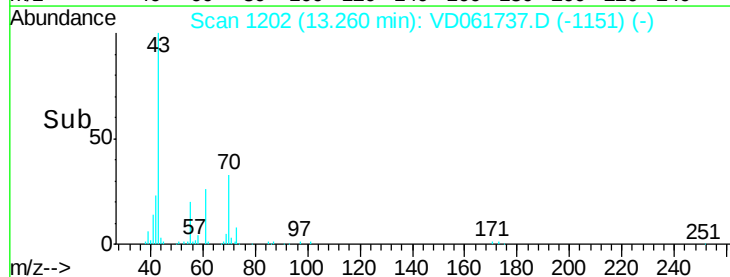
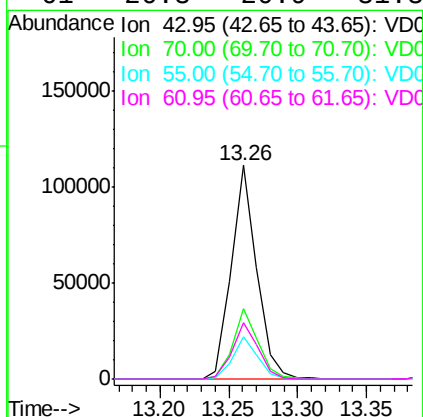
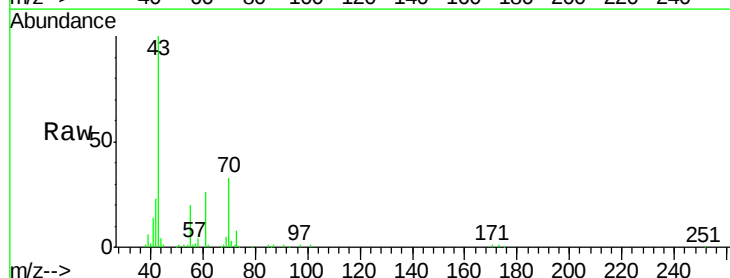
Instrument :
MSVOA_D
ClientSampleId :

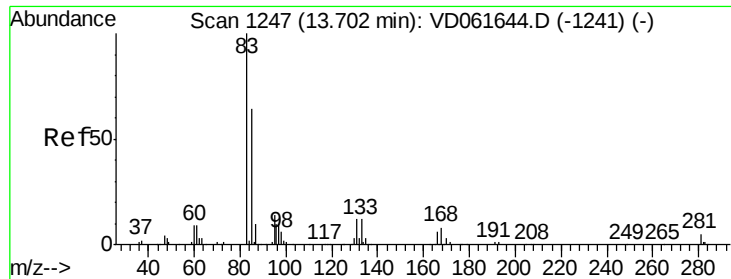
Tot Ion:105 Resp: 600535
Ion Ratio Lower Upper
105 100
120 23.8 12.2 36.4



#74
N-ethyl acetate
Concen: 20.179 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion: 43 Resp: 142655
Ion Ratio Lower Upper
43 100
70 32.8 25.4 38.2
55 20.0 15.0 22.4
61 26.3 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.980 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

ClientSampled :

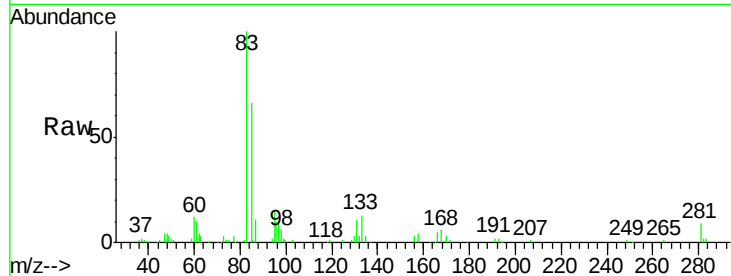
Tot Ion: 83 Resp: 112872

Ion Ratio Lower Upper

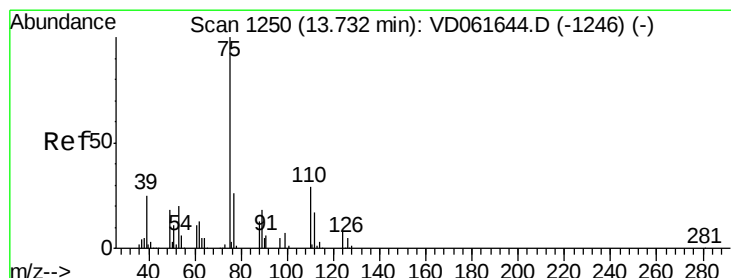
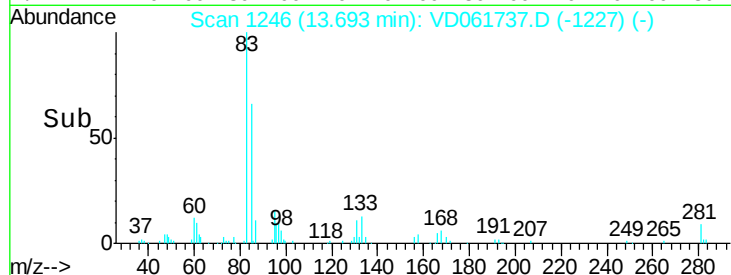
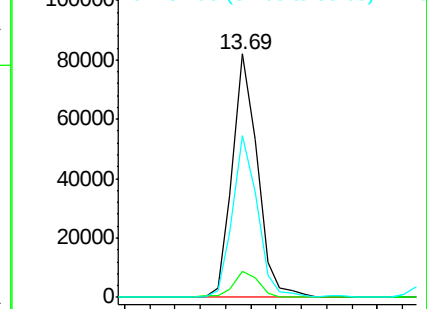
83 100

131 10.9 5.9 17.6

85 66.2 32.0 96.2



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: 22.405 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061737.D

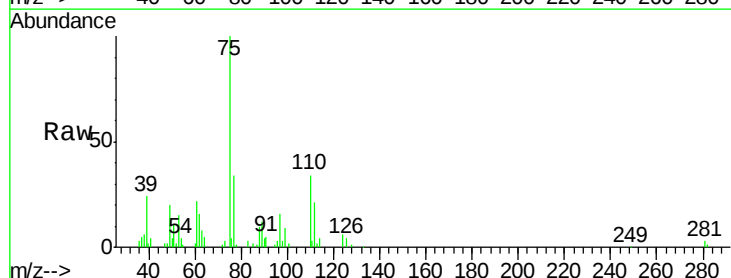
Acq: 11 Apr 2019 13:29

Tgt Ion: 75 Resp: 119032

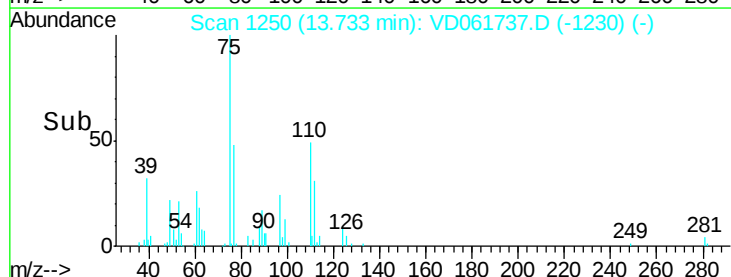
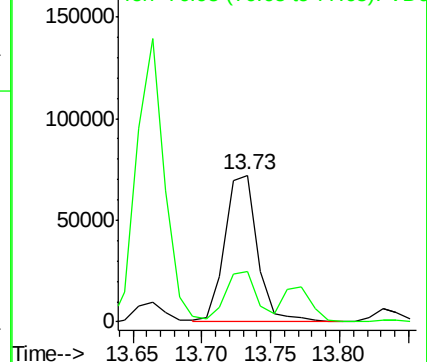
Ion Ratio Lower Upper

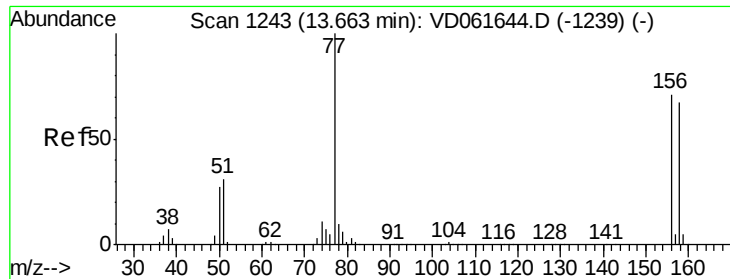
75 100

77 34.4 15.7 47.1



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





#77

Bromobenzene

Concen: 21.425 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

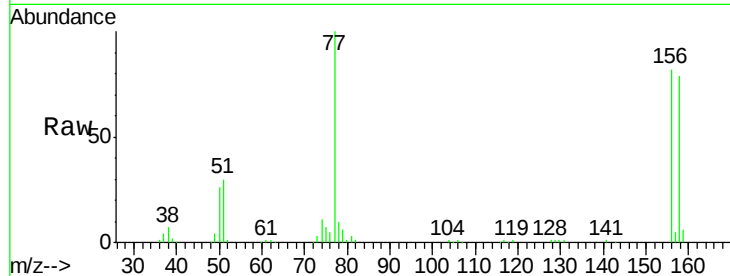
Tot Ion:156 Resp: 161812

Ion Ratio Lower Upper

156 100

77 122.5 70.3 210.8

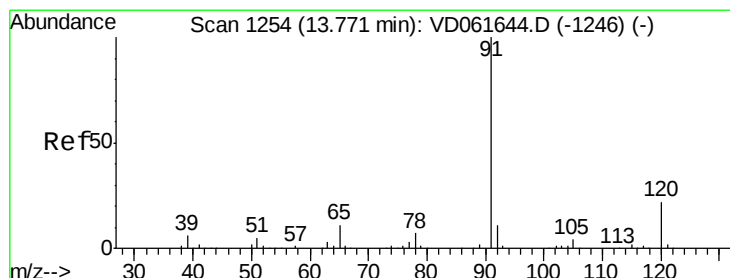
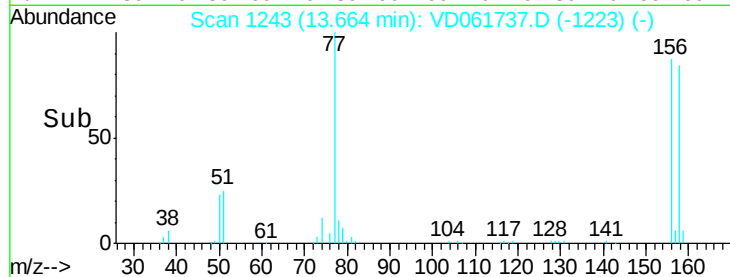
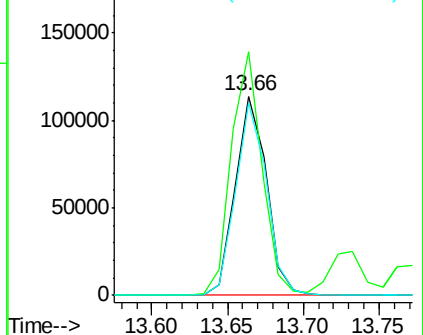
158 96.9 47.4 142.2



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: 23.076 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061737.D

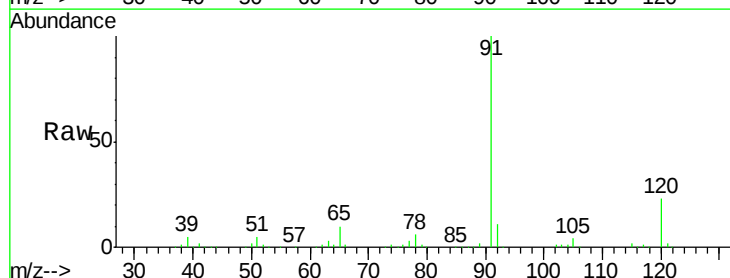
Acq: 11 Apr 2019 13:29

Tgt Ion: 91 Resp: 718224

Ion Ratio Lower Upper

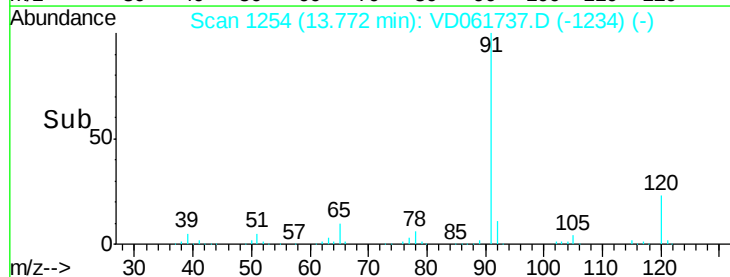
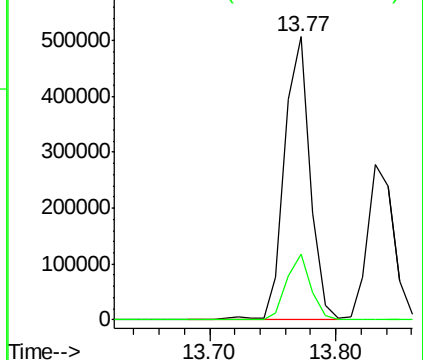
91 100

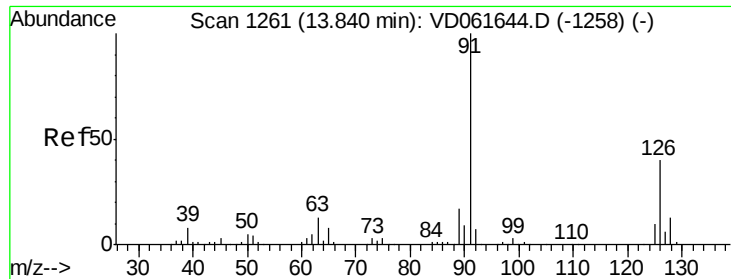
120 23.0 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.598 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

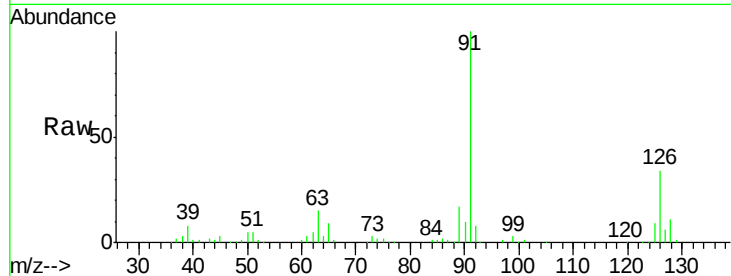
ClientSampleId :

Tot Ion: 91 Resp: 402217

Ion Ratio Lower Upper

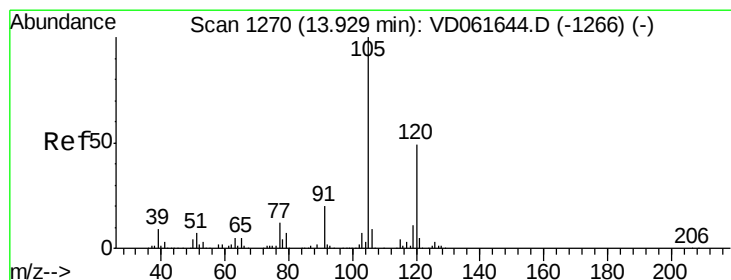
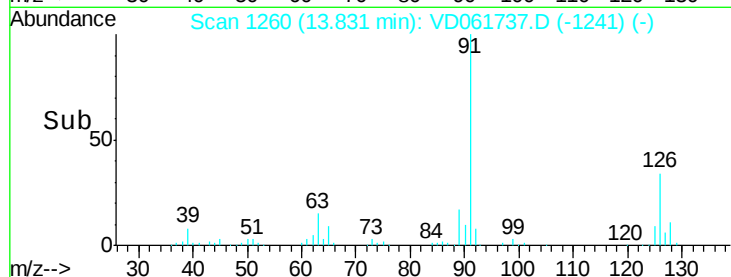
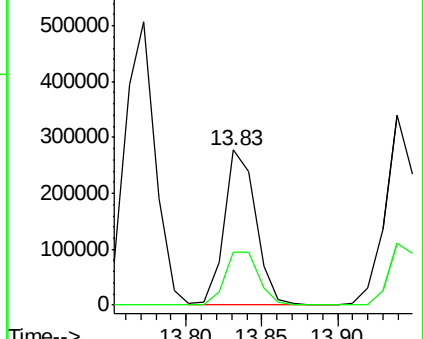
91 100

126 34.2 20.0 59.9



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: 24.729 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD061737.D

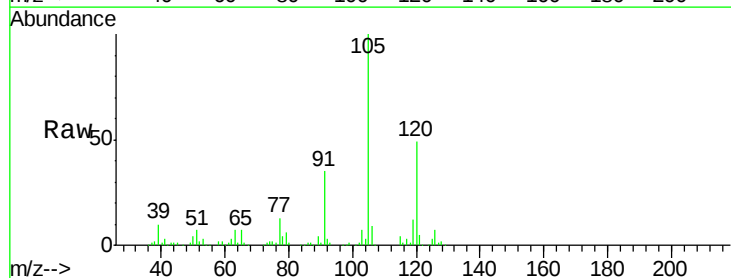
Acq: 11 Apr 2019 13:29

Tgt Ion:105 Resp: 510702

Ion Ratio Lower Upper

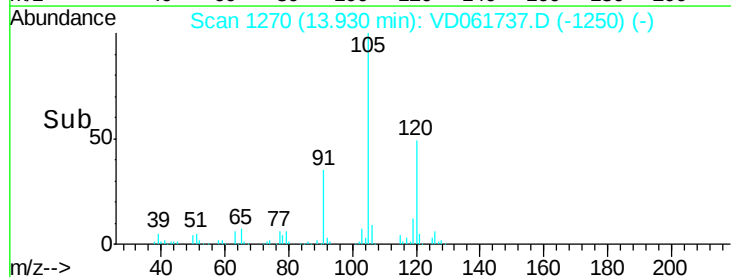
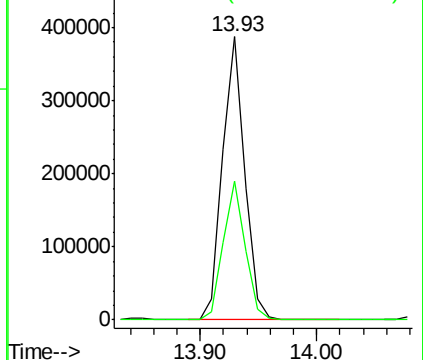
105 100

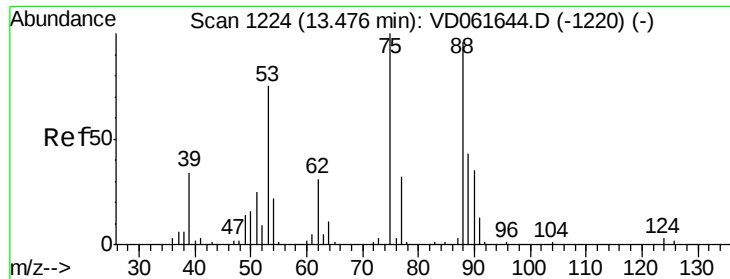
120 49.1 24.4 73.2



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: 21.147 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD061737.D

Acq: 11 Apr 2019 13:29

Instrument :

MSVOA_D

ClientSampleId :

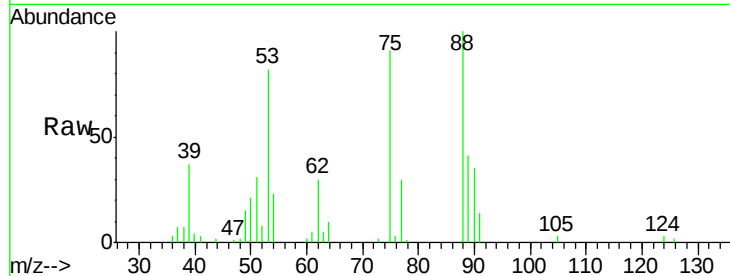
Tot Ion: 75 Resp: 34093

Ion Ratio Lower Upper

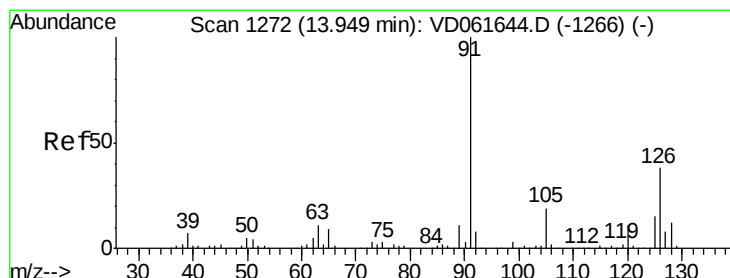
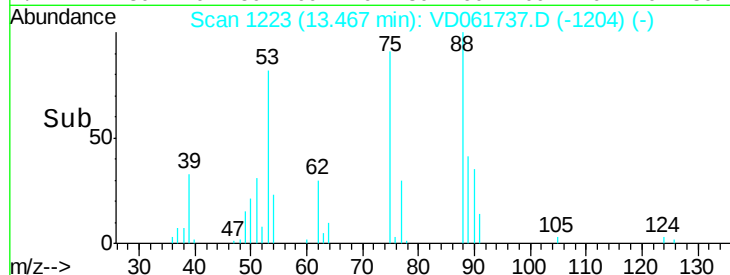
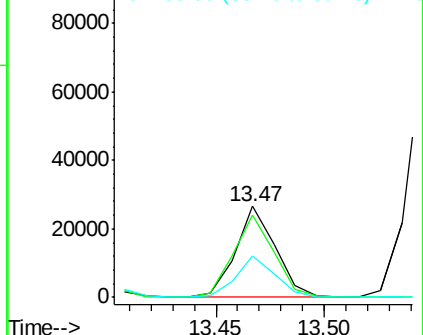
75 100

53 90.0 60.2 90.2

89 45.4 34.2 51.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 24.578 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061737.D

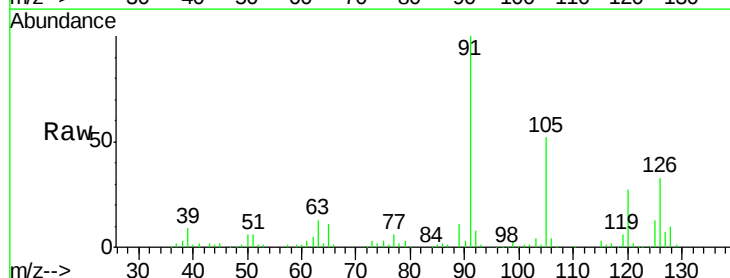
Acq: 11 Apr 2019 13:29

Tgt Ion: 91 Resp: 479346

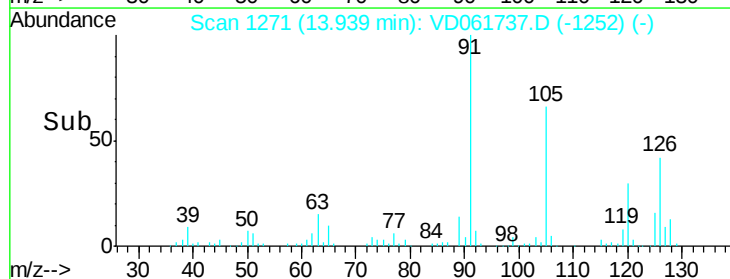
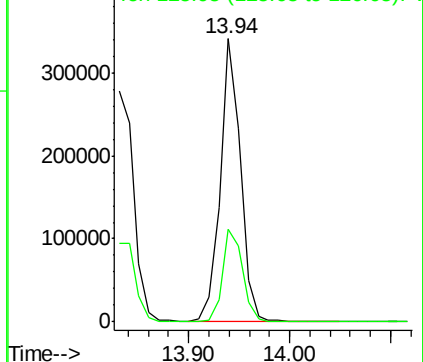
Ion Ratio Lower Upper

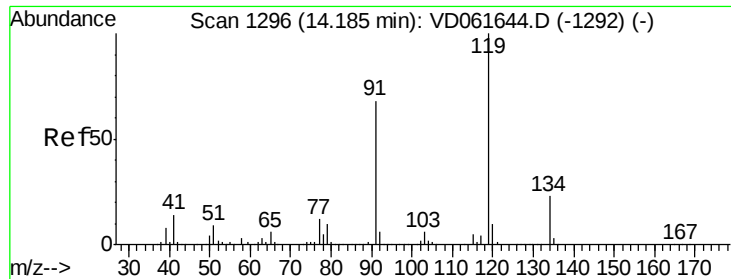
91 100

126 32.7 19.0 57.0



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

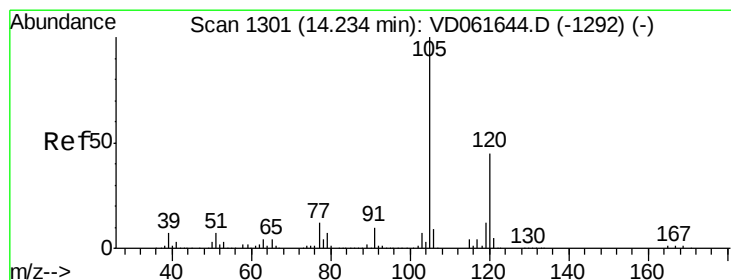
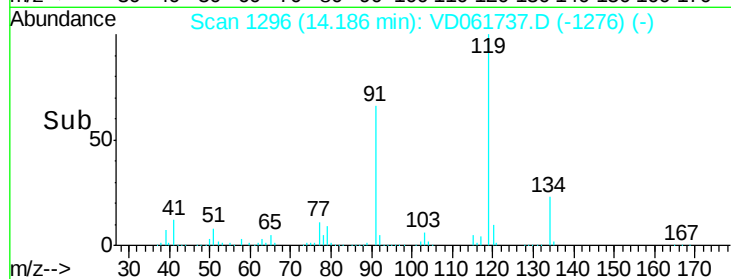
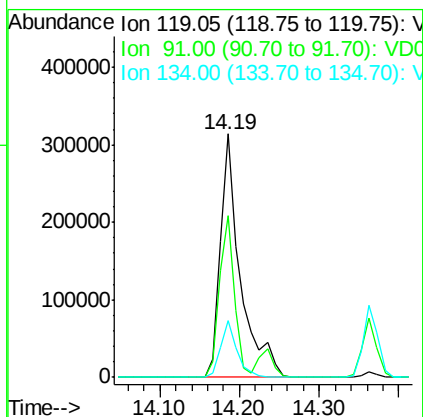
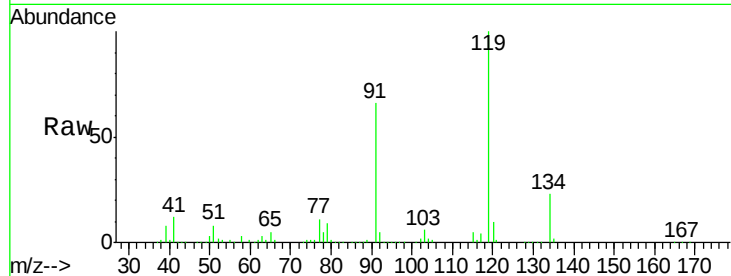




#83
 tert-Butylbenzene
 Concen: 22.237 ug/l
 RT: 14.19 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

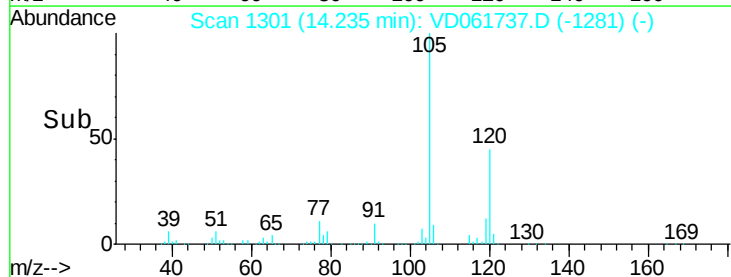
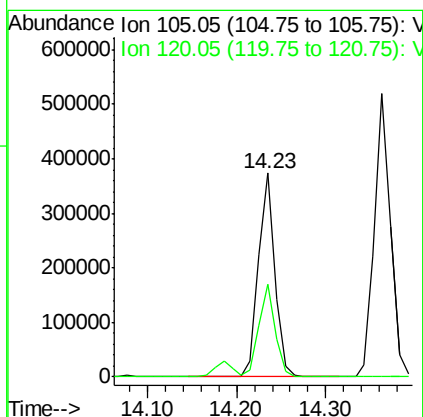
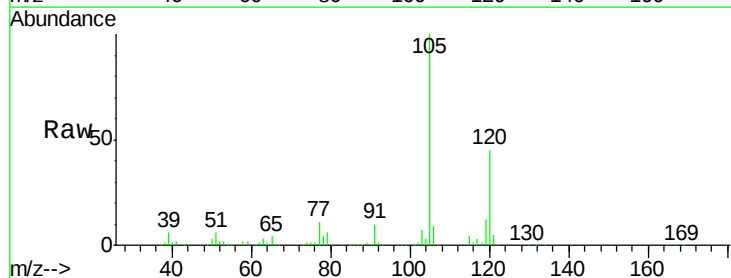
Instrument :
 MSVOA_D
 ClientSampleId :

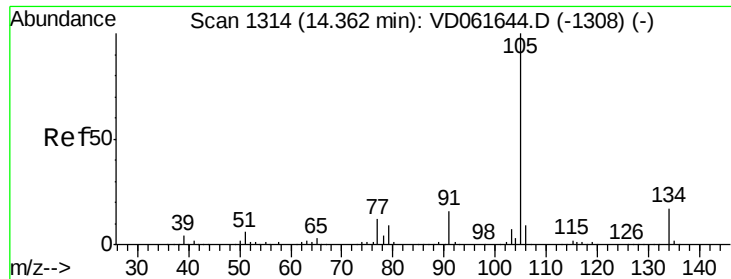
Tot Ion:119 Resp: 553693
 Ion Ratio Lower Upper
 119 100
 91 66.2 33.9 101.6
 134 23.5 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.693 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Tgt Ion:105 Resp: 472990
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.6 67.8

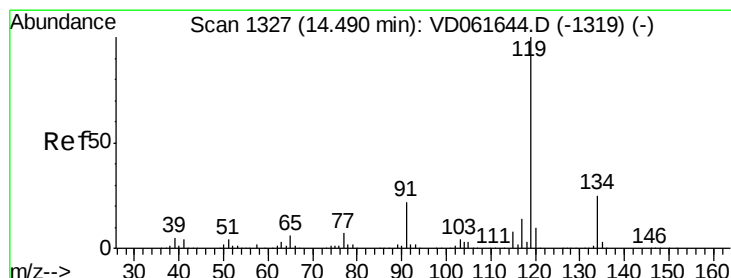
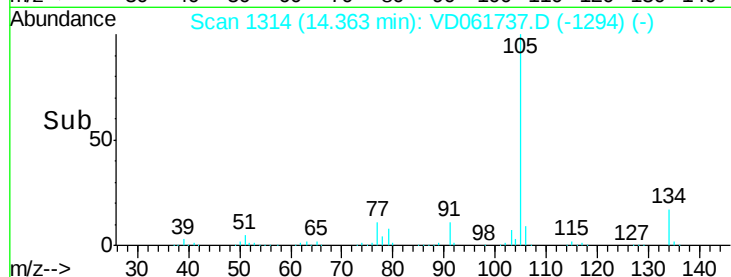
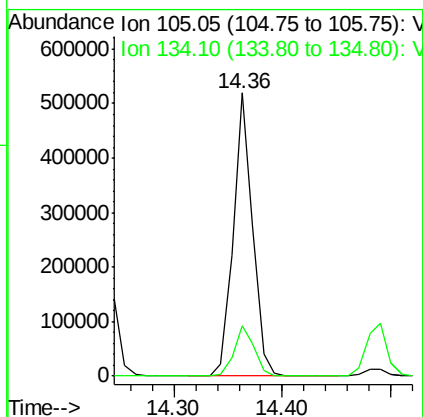
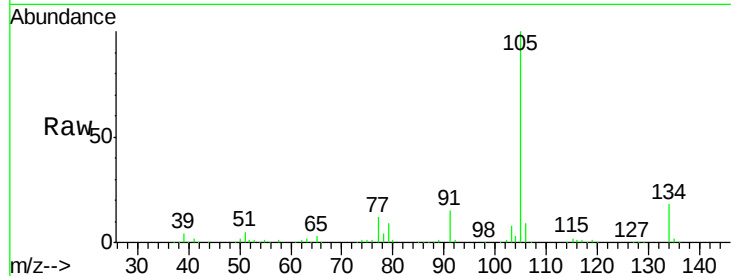




#85
 sec-Butylbenzene
 Concen: 23.987 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

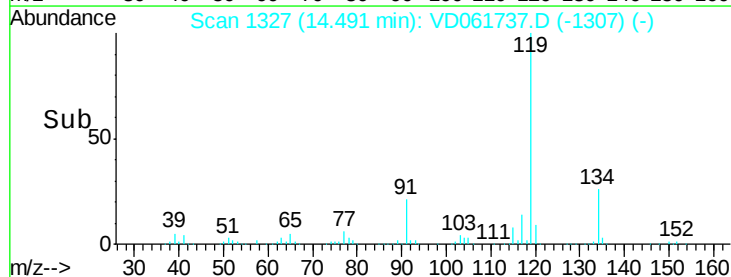
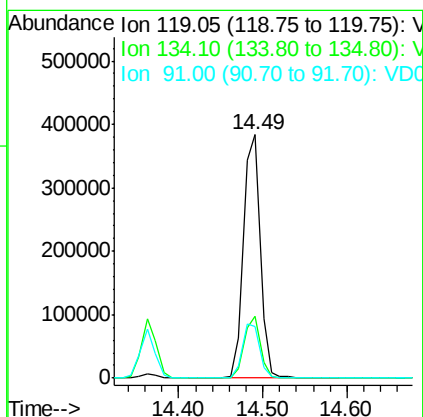
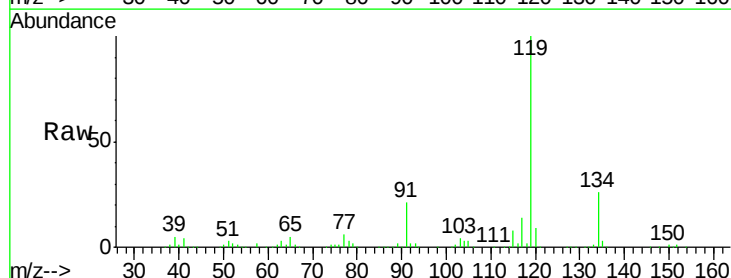
Instrument :
 MSVOA_D
 ClientSampleId :

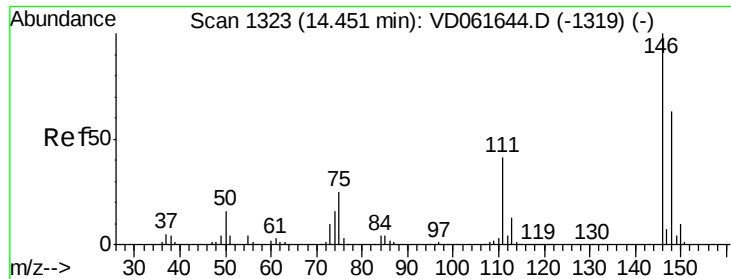
Tot Ion:105 Resp: 645315
 Ion Ratio Lower Upper
 105 100
 134 18.0 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 22.879 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Tgt Ion:119 Resp: 533953
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.5 37.5
 91 21.2 11.0 33.0

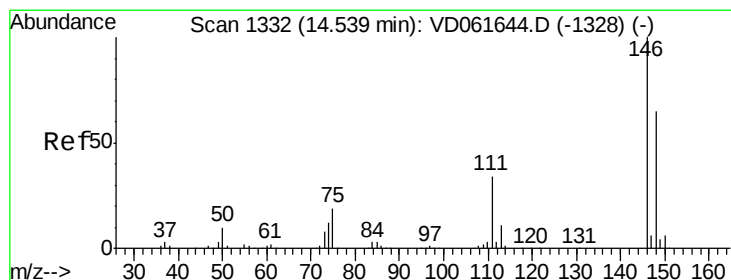
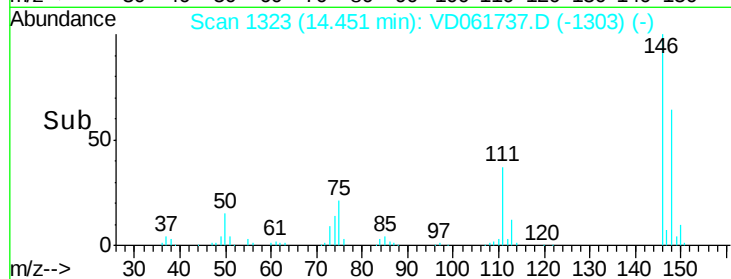
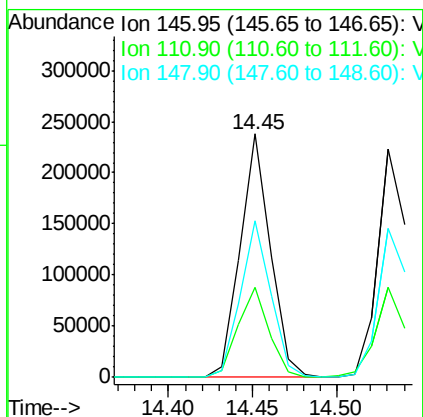
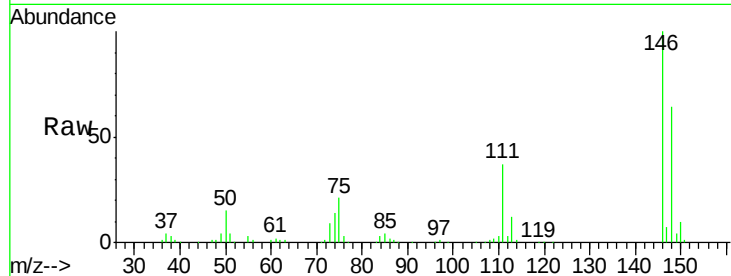




#87
 1,3-Dichlorobenzene
 Concen: 22.840 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

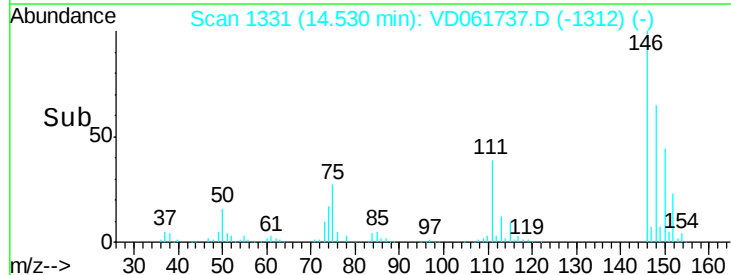
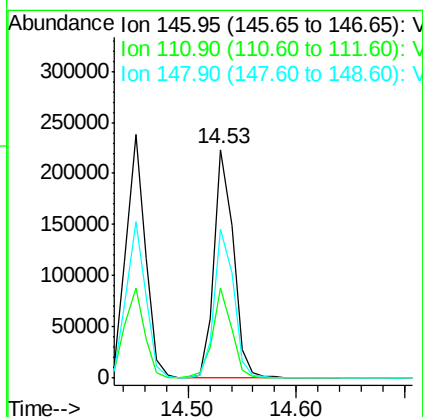
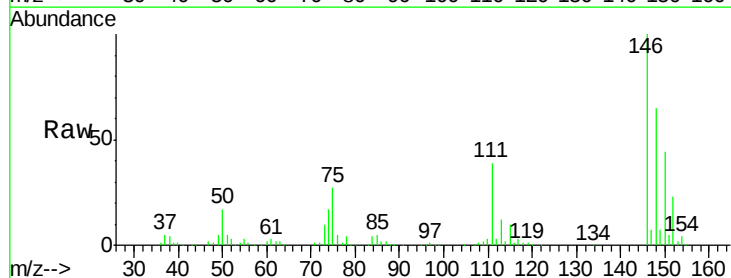
Instrument :
 MSVOA_D
 ClientSampleId :

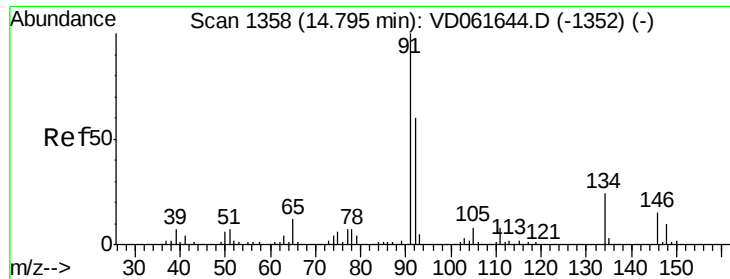
Tot Ion:146 Resp: 296873
 Ion Ratio Lower Upper
 146 100
 111 36.8 20.3 61.0
 148 64.2 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 21.239 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Tgt Ion:146 Resp: 278539
 Ion Ratio Lower Upper
 146 100
 111 39.1 17.1 51.2
 148 65.4 32.6 97.7

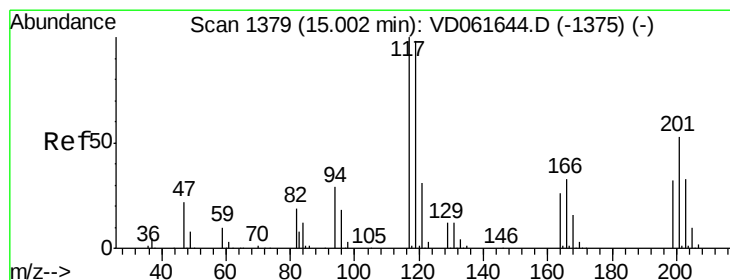
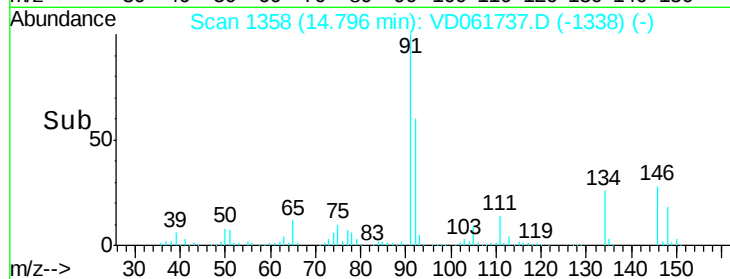
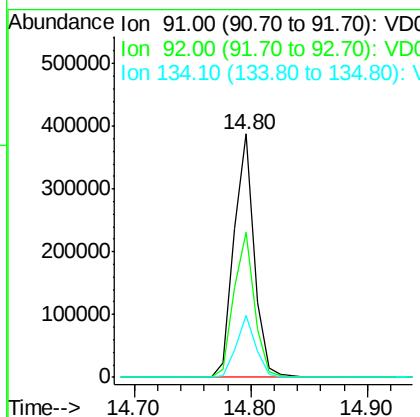
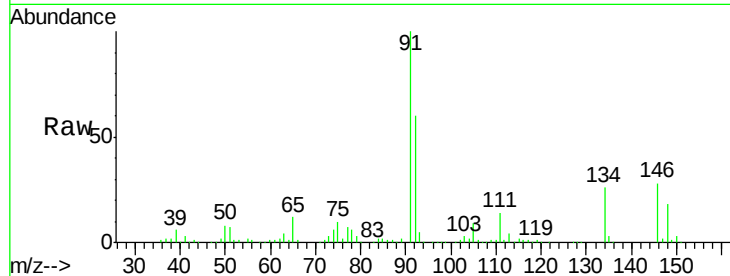




#89
n-Butylbenzene
Concen: 23.137 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

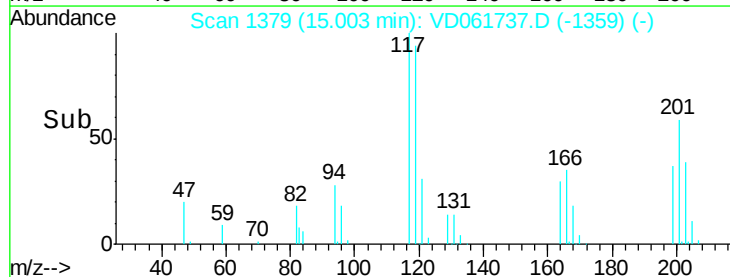
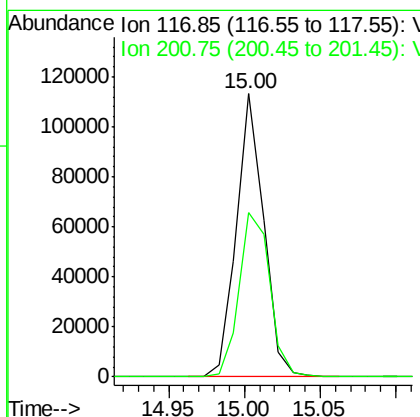
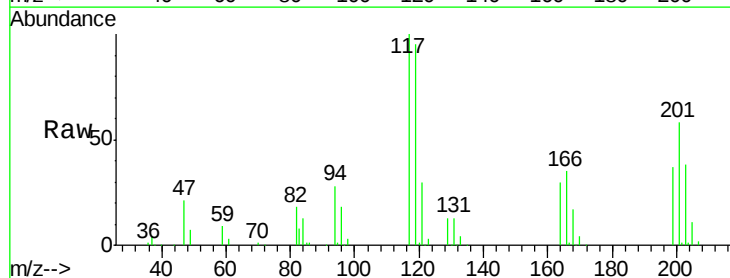
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 469333
Ion Ratio Lower Upper
91 100
92 59.8 29.8 89.4
134 25.6 12.2 36.4



#90
Hexachloroethane
Concen: 22.326 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion: 117 Resp: 141382
Ion Ratio Lower Upper
117 100
201 58.2 26.3 78.8

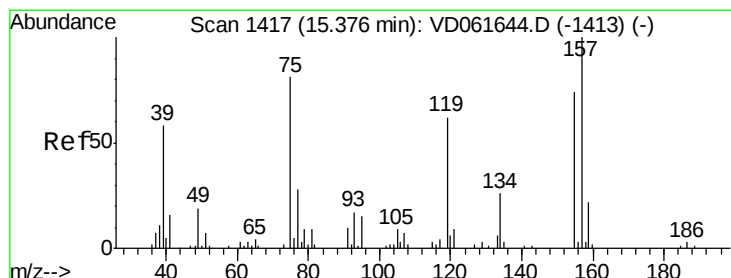
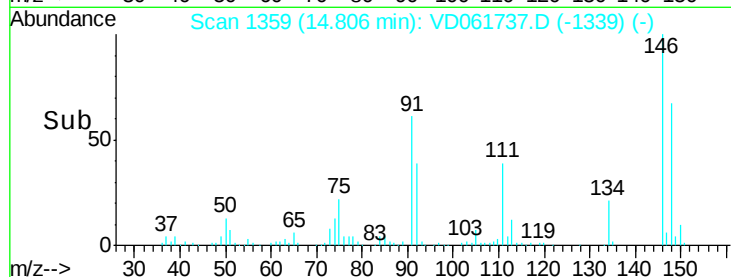
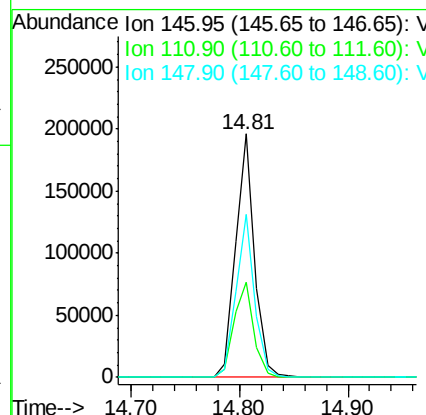
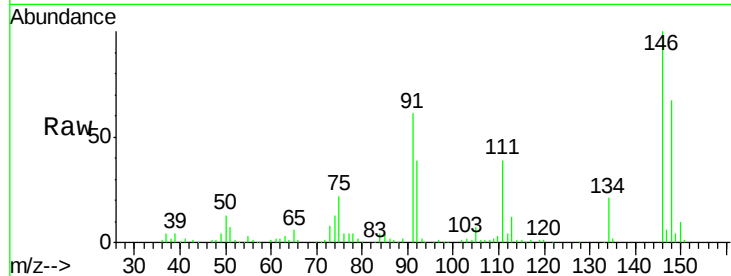




#91
 1,2-Dichlorobenzene
 Concen: 22.248 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

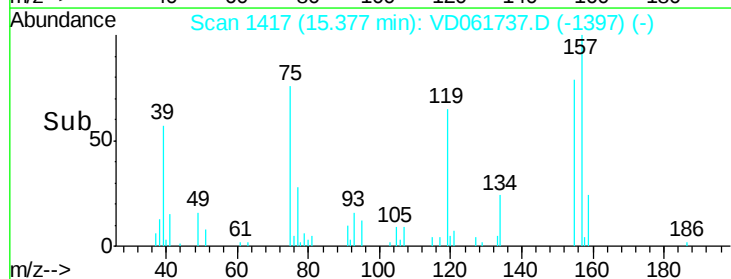
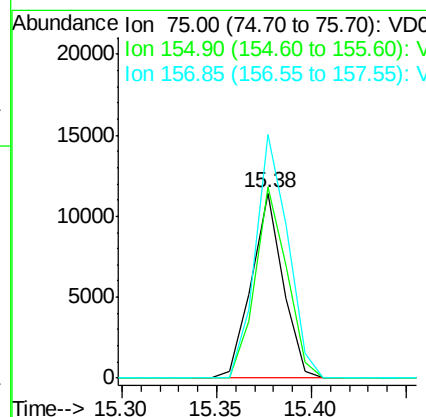
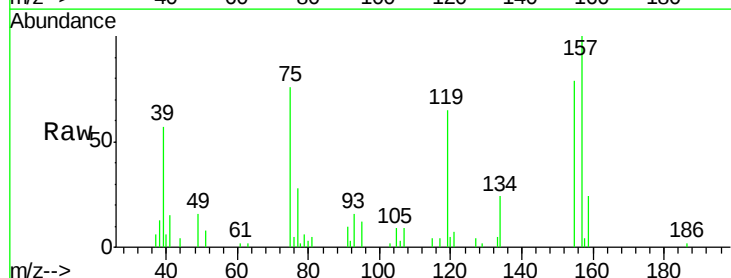
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 238335
 Ion Ratio Lower Upper
 146 100
 111 39.1 21.1 63.3
 148 67.2 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.415 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Tgt Ion: 75 Resp: 13254
 Ion Ratio Lower Upper
 75 100
 155 103.2 45.6 136.7
 157 131.4 61.4 184.2

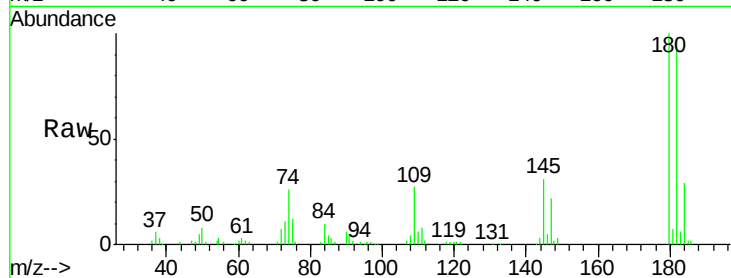




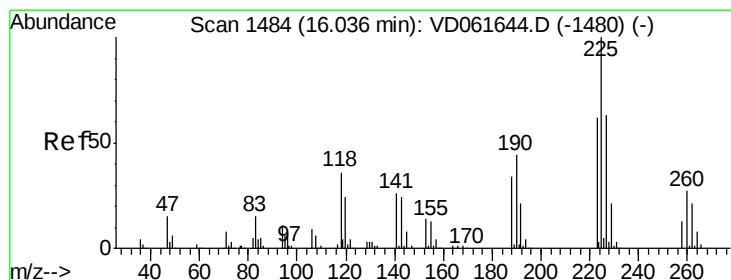
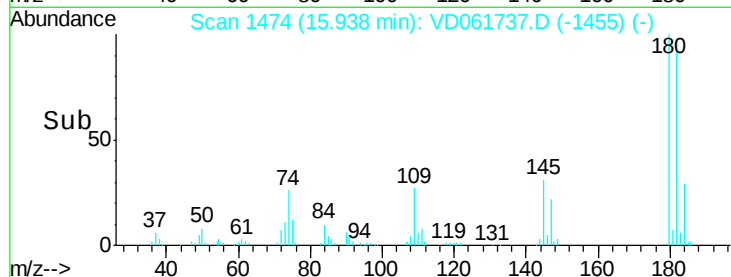
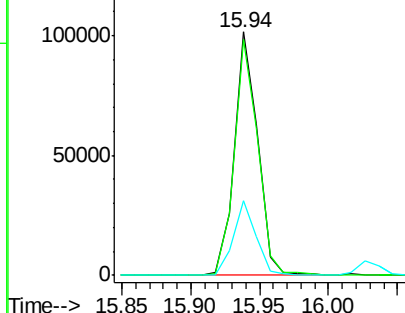
#93
 1,2,4-Trichlorobenzene
 Concen: 21.931 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.8	143.3
145	30.8	13.3	39.8

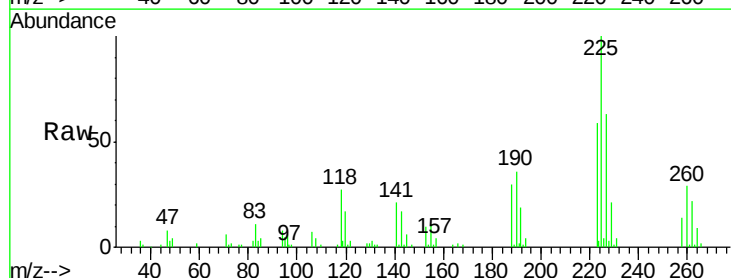


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

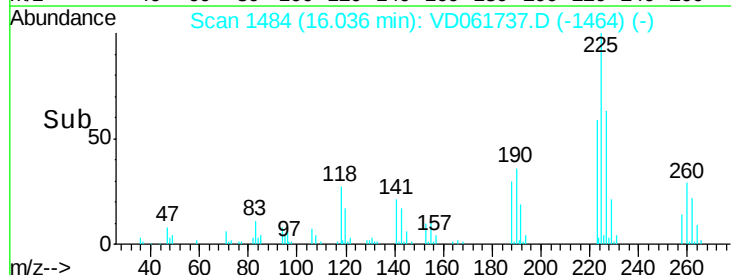
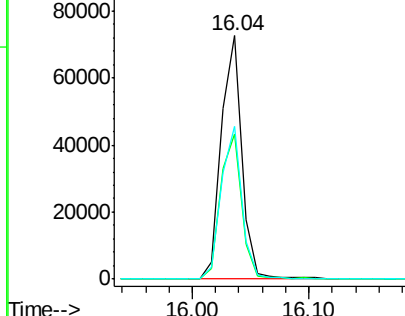


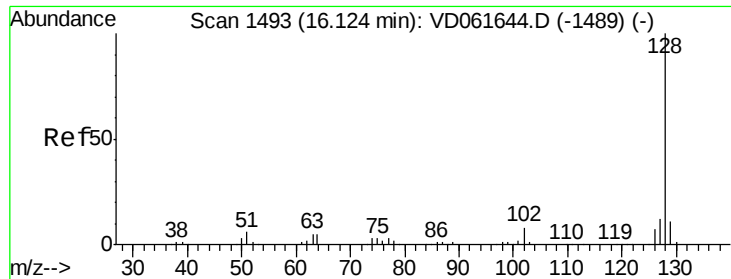
#94
 Hexachlorobutadiene
 Concen: 21.091 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061737.D
 Acq: 11 Apr 2019 13:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.3	30.8	92.3
227	62.7	31.5	94.5



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

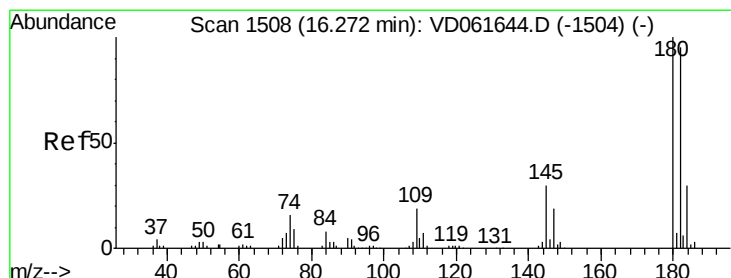
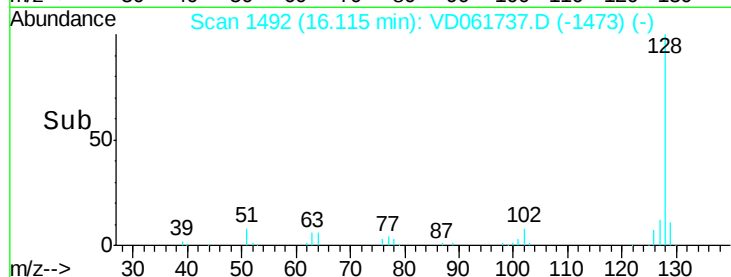
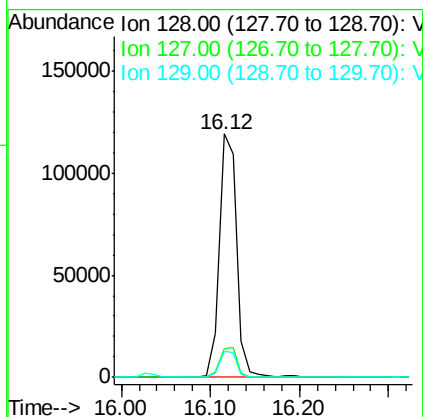
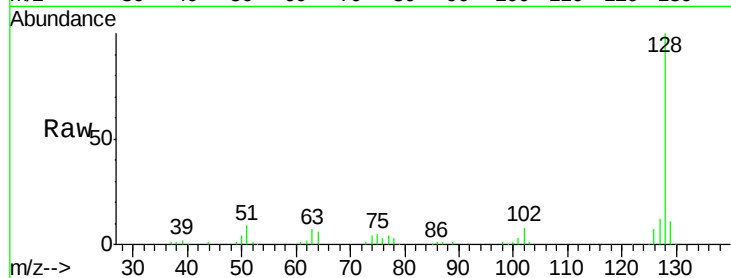




#95
Naphthalene
Concen: 18.938 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 163541
Ion Ratio Lower Upper
128 100
127 12.0 9.4 14.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.189 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061737.D
Acq: 11 Apr 2019 13:29

Tgt Ion:180 Resp: 52267
Ion Ratio Lower Upper
180 100
182 95.5 47.3 142.0
145 33.4 15.1 45.3

