

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061137.D
 Acq On : 18 Mar 2019 11:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:13:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	643939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1086212	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	921393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	418629	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	272483	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
35) Dibromofluoromethane	6.92	113	444162	55.10	ug/l	0.00
Spiked Amount			Recovery	=	110.20%	
50) Toluene-d8	10.41	98	1038474	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	13.56	95	393529	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	329134	51.600	ug/l	99
3) Chloromethane	1.77	50	256254	48.226	ug/l	92
4) Vinyl Chloride	1.86	62	251497	51.222	ug/l	97
5) Bromomethane	2.16	94	49729	59.324	ug/l	94
6) Chloroethane	2.28	64	91978	62.586	ug/l	91
7) Trichlorofluoromethane	2.54	101	400313	56.755	ug/l	93
8) Diethyl Ether	2.88	74	123296	52.988	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.16	101	435574	55.236	ug/l	96
10) Methyl Iodide	3.31	142	592841	54.322	ug/l	99
11) Tert butyl alcohol	4.06	59	81605	239.149	ug/l	98
12) 1,1-Dichloroethene	3.13	96	339037	52.451	ug/l	100
13) Acrolein	3.04	56	149373	302.540	ug/l	99
14) Allyl chloride	3.63	41	538936	52.111	ug/l	94
15) Acrylonitrile	4.20	53	282904	234.577	ug/l	98
16) Acetone	3.22	43	418510	273.044	ug/l	98
17) Carbon Disulfide	3.38	76	1091046	50.038	ug/l	99
18) Methyl Acetate	3.65	43	166511	55.201	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	598673	52.849	ug/l	95
20) Methylene Chloride	3.82	84	378457	54.579	ug/l	94
21) trans-1,2-Dichloroethene	4.23	96	369144	52.763	ug/l	96
22) Diisopropyl ether	5.12	45	1076358	50.135	ug/l	99
23) Vinyl Acetate	5.05	43	2779518	252.199	ug/l	99
24) 1,1-Dichloroethane	4.98	63	657730	55.915	ug/l	99
25) 2-Butanone	6.07	43	454537	261.340	ug/l	97
26) 2,2-Dichloropropane	6.02	77	545280	59.380	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	417469	56.240	ug/l	99
28) Bromochloromethane	6.44	49	254217	51.050	ug/l	85
29) Tetrahydrofuran	6.45	42	216373	229.108	ug/l	97
30) Chloroform	6.67	83	665527	54.590	ug/l	98
31) Cyclohexane	6.95	56	511767	53.956	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	591673	56.136	ug/l	99
36) 1,1-Dichloropropene	7.15	75	498239	53.214	ug/l	99
37) Ethyl Acetate	6.19	43	189134	43.047	ug/l	99
38) Carbon Tetrachloride	7.11	117	628764	60.964	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	459364	47.315	ug/l	100
40) Benzene	7.46	78	1198283	51.218	ug/l	100
41) Methacrylonitrile	6.44	41	242256	47.936	ug/l	98
42) 1,2-Dichloroethane	7.57	62	356227	52.468	ug/l	97
43) Isopropyl Acetate	9.24	43	280405	46.078	ug/l #	94
44) Trichloroethene	8.54	130	455078	56.382	ug/l	99
45) 1,2-Dichloropropane	8.94	63	316318	51.462	ug/l	98
46) Dibromomethane	9.06	93	205401	52.681	ug/l	97
47) Bromodichloromethane	9.37	83	510058	57.972	ug/l	97
48) Methyl methacrylate	9.12	41	171735	50.122	ug/l	98
49) 1,4-Dioxane	9.07	88	34304	990.116	ug/l	97
51) 4-Methyl-2-Pentanone	10.30	43	880025	236.051	ug/l	98
52) Toluene	10.51	92	764212	52.529	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	434165	53.966	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	513308	53.102	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	247084	50.999	ug/l	99
56) Ethyl methacrylate	11.04	69	245124	48.336	ug/l	96
57) 1,3-Dichloropropane	11.40	76	359016	49.587	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	605450	225.551	ug/l	98
59) 2-Hexanone	11.53	43	604847	221.792	ug/l	99
60) Dibromochloromethane	11.69	129	403057	56.527	ug/l	97
61) 1,2-Dibromoethane	11.81	107	290691	51.577	ug/l	97
64) Tetrachloroethene	11.26	164	338403	54.407	ug/l	99
65) Chlorobenzene	12.40	112	944394	52.283	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	360881	56.049	ug/l	99
67) Ethyl Benzene	12.52	91	1448315	53.857	ug/l	99
68) m/p-Xylenes	12.67	106	1080390	102.360	ug/l	97
69) o-Xylene	13.05	106	494179	47.632	ug/l	97
70) Styrene	13.08	104	781033	46.102	ug/l	99
71) Bromoform	13.23	173	221175	53.249	ug/l	98
73) Isopropylbenzene	13.40	105	1367611	45.331	ug/l	99
74) N-amyl acetate	13.26	43	335731	39.521	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	256184	43.522	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	271731	45.118	ug/l	99
77) Bromobenzene	13.67	156	379604	49.290	ug/l	89
78) n-propylbenzene	13.78	91	1764488	49.958	ug/l	97
79) 2-Chlorotoluene	13.84	91	933208	47.992	ug/l	95
80) 1,3,5-Trimethylbenzene	14.24	105	1170439	51.102	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	87558	49.311	ug/l	94
82) 4-Chlorotoluene	13.95	91	1022279	44.471	ug/l	96
83) tert-Butylbenzene	14.19	119	1335516	53.281	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1170439	51.102	ug/l	99
85) sec-Butylbenzene	14.37	105	1537280	50.238	ug/l	97
86) p-Isopropyltoluene	14.49	119	1297501	51.874	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	738313	53.687	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	687343	50.862	ug/l	98
89) n-Butylbenzene	14.80	91	1103739	45.951	ug/l	97
90) Hexachloroethane	15.01	117	363590	51.479	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	558254	48.694	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	33808	47.662	ug/l	73

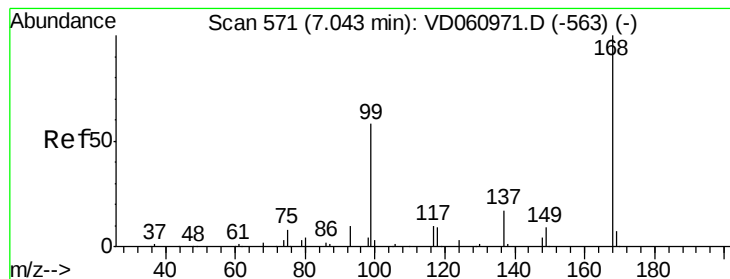
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	259152	48.728	ug/l	97
94) Hexachlorobutadiene	16.04	225	213755	53.136	ug/l	97
95) Naphthalene	16.13	128	417026	51.600	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	123316	46.946	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

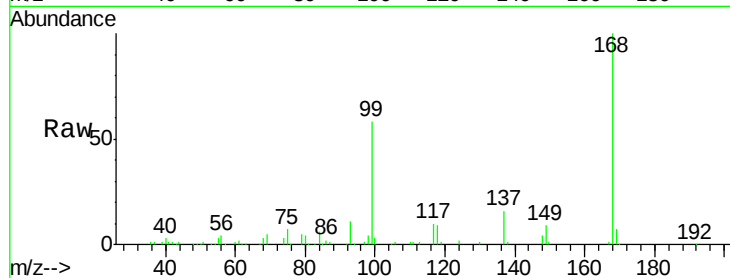
ClientSampleId :

Tot Ion:168 Resp: 643939

Ion Ratio Lower Upper

168 100

99 58.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

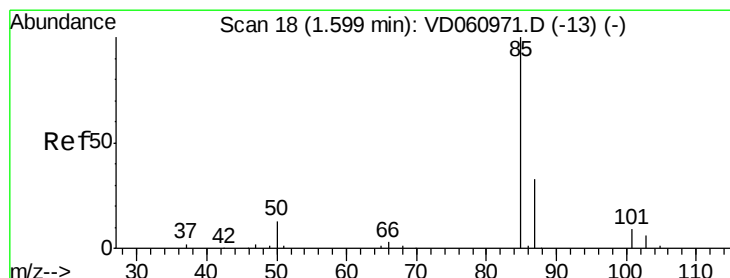
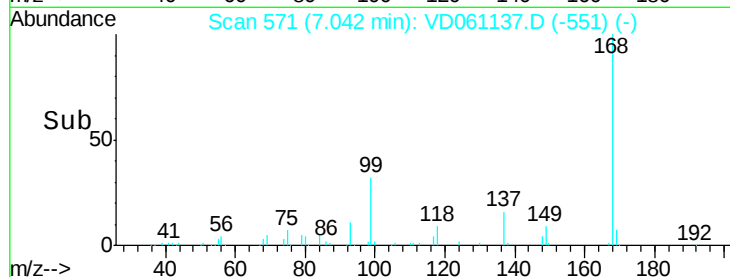
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.600 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061137.D

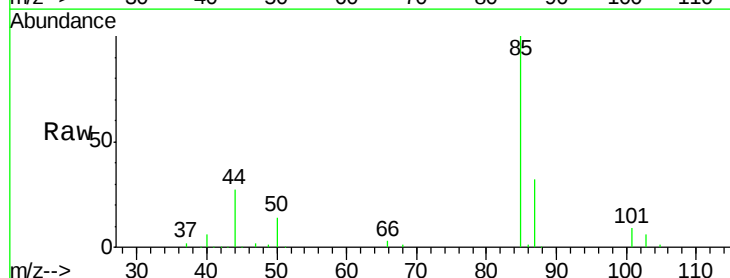
Acq: 18 Mar 2019 11:04

Tgt Ion: 85 Resp: 329134

Ion Ratio Lower Upper

85 100

87 32.3 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

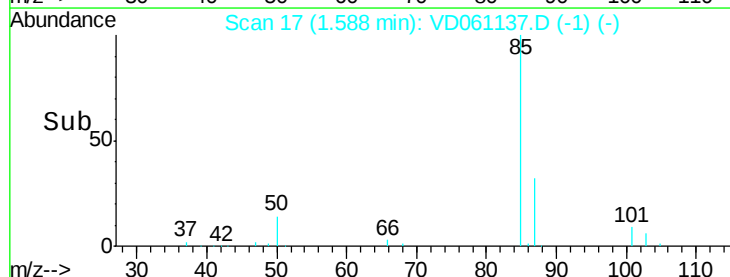
150000

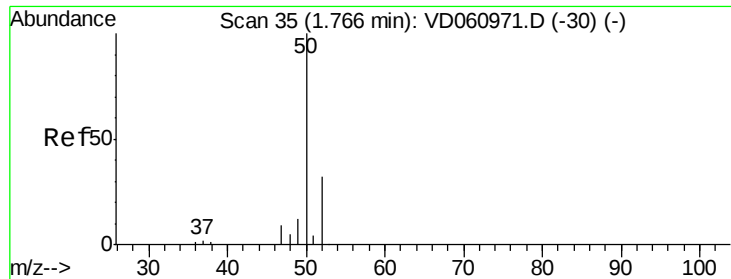
100000

50000

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Time-->





#3

Chloromethane

Concen: 48.226 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

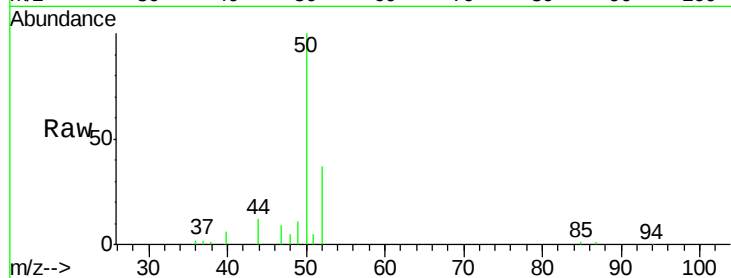
ClientSampleId :

Tot Ion: 50 Resp: 256254

Ion Ratio Lower Upper

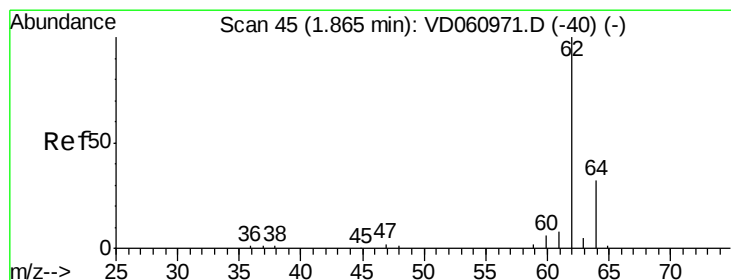
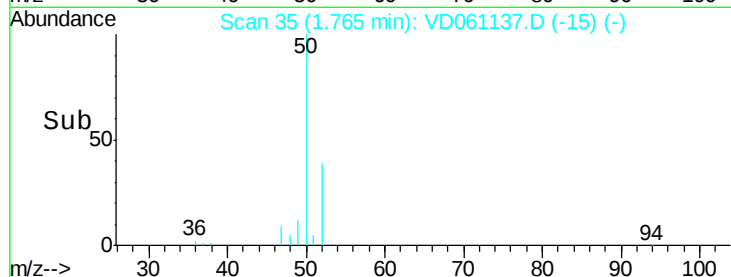
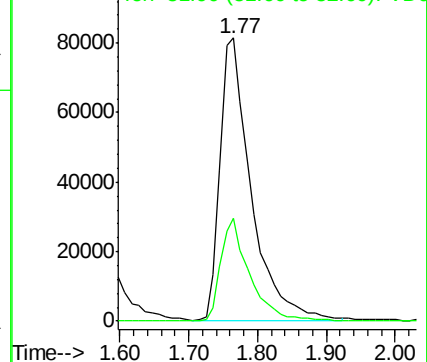
50 100

52 36.6 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.222 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061137.D

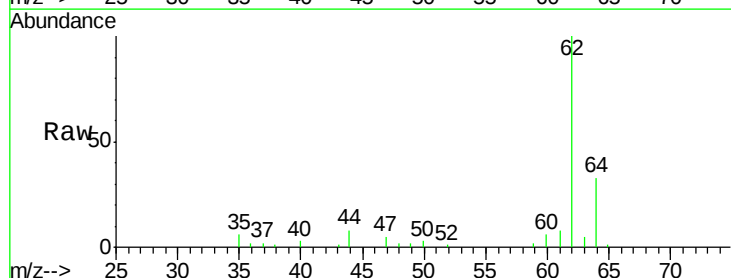
Acq: 18 Mar 2019 11:04

Tgt Ion: 62 Resp: 251497

Ion Ratio Lower Upper

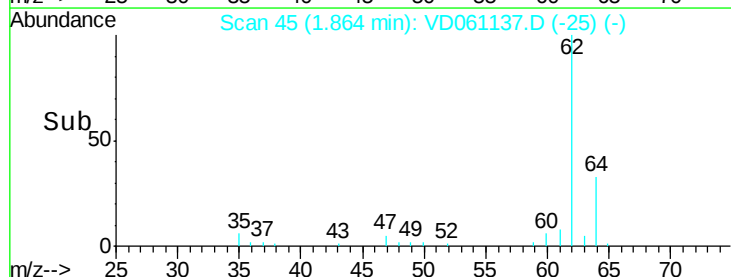
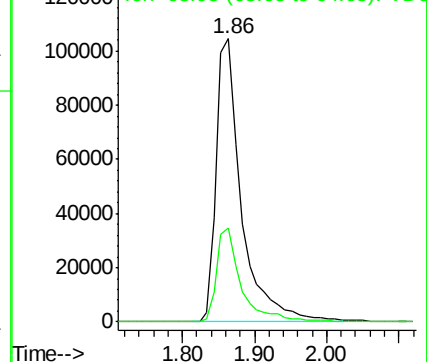
62 100

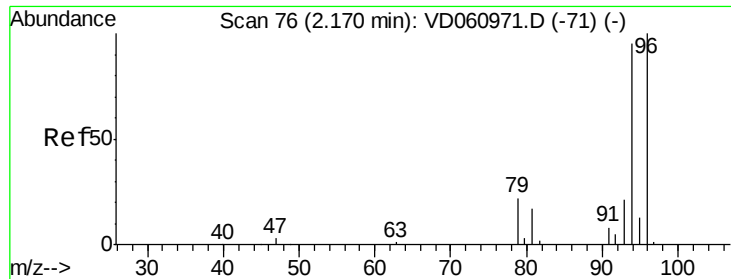
64 33.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

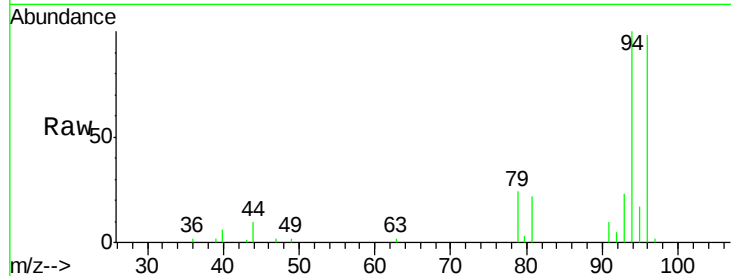




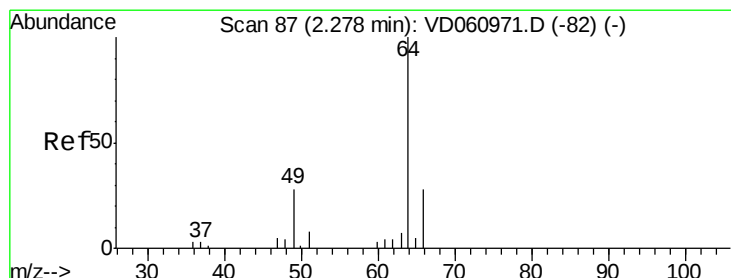
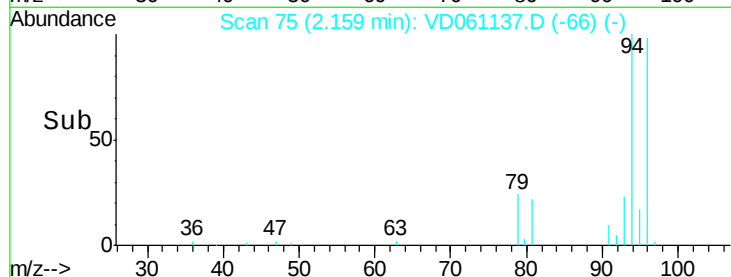
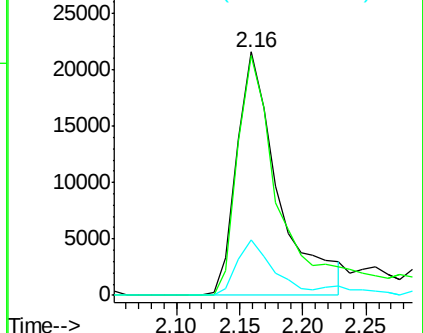
#5
Bromomethane
Concen: 59.324 ug/l
RT: 2.16 min Scan# 75
Delta R.T. -0.01 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 49729
Ion Ratio Lower Upper
94 100
96 98.4 84.0 126.0
93 22.7 17.3 25.9

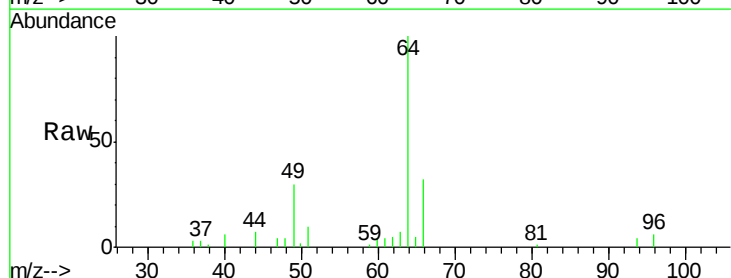


Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC

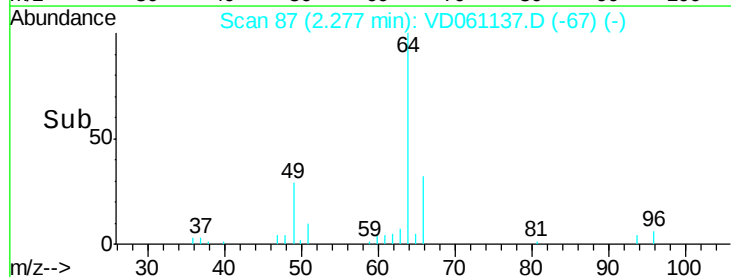
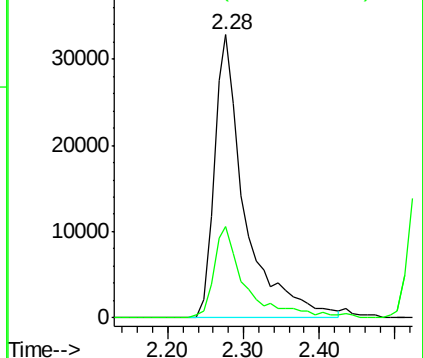


#6
Chloroethane
Concen: 62.586 ug/l
RT: 2.28 min Scan# 87
Delta R.T. -0.00 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Tgt Ion: 64 Resp: 91978
Ion Ratio Lower Upper
64 100
66 32.4 22.2 33.2



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



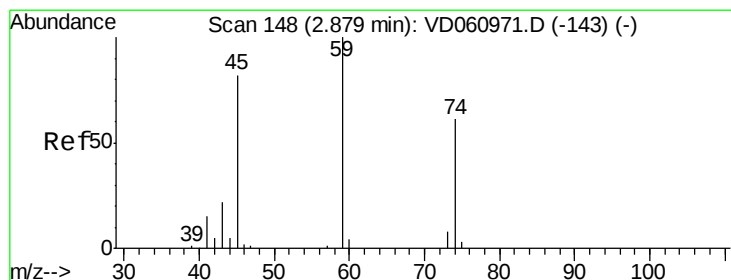
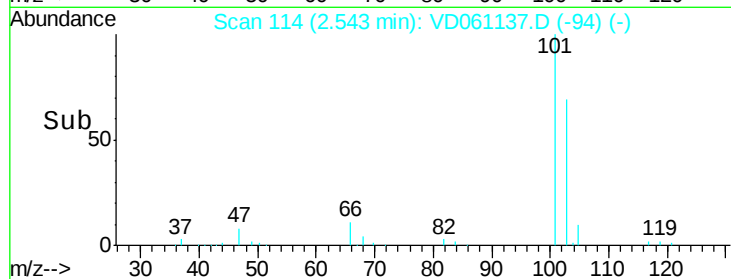
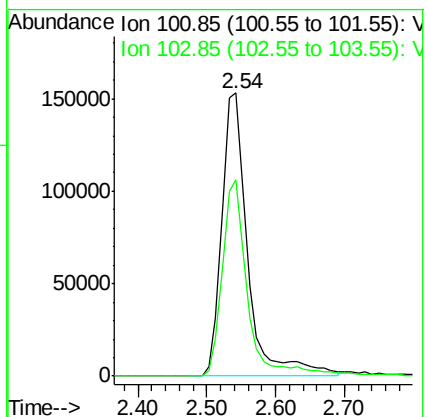
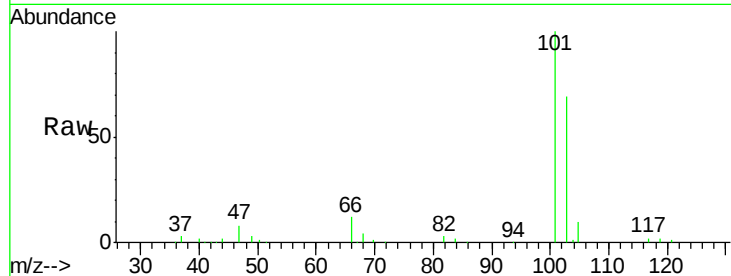


#7

Trichlorofluoromethane
 Concen: 56.755 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Instrument :
 MSVOA_D
 ClientSampleId :

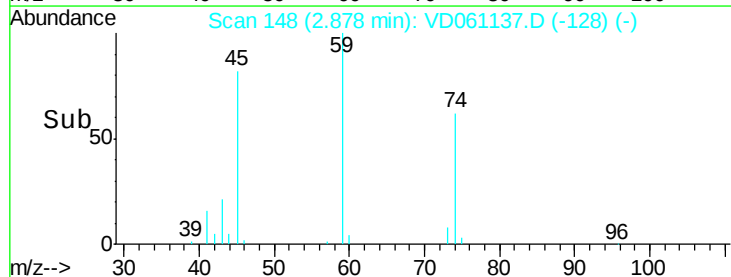
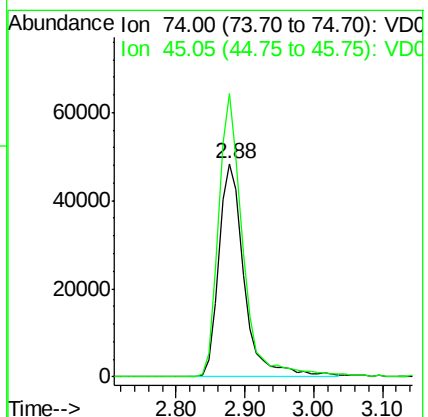
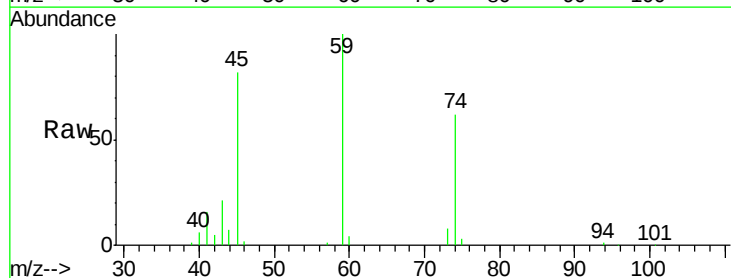
Tot Ion:101 Resp: 400313
 Ion Ratio Lower Upper
 101 100
 103 69.3 51.2 76.8

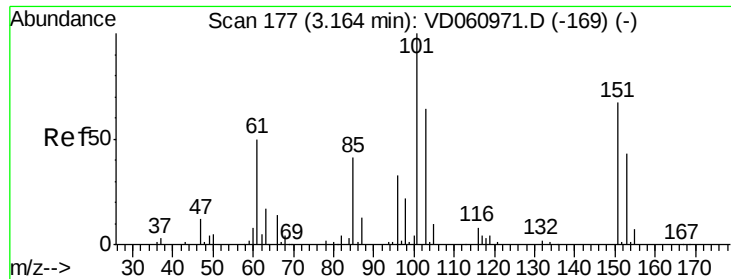


#8

Diethyl Ether
 Concen: 52.988 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. -0.00 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Tgt Ion: 74 Resp: 123296
 Ion Ratio Lower Upper
 74 100
 45 132.5 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.236 ug/l

RT: 3.16 min Scan# 177

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

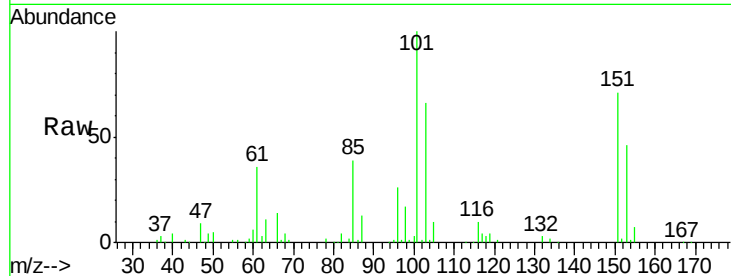
Tot Ion:101 Resp: 435574

Ion Ratio Lower Upper

101 100

85 39.2 32.5 48.7

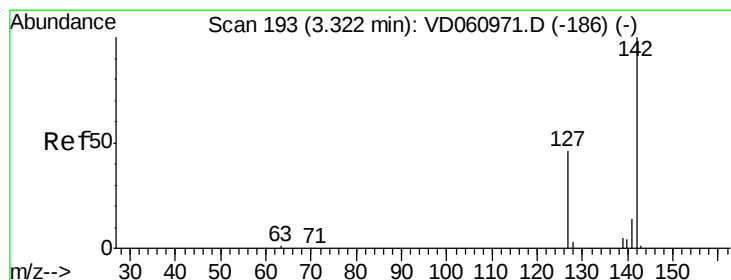
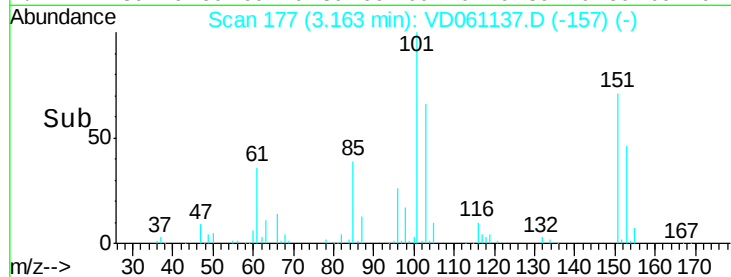
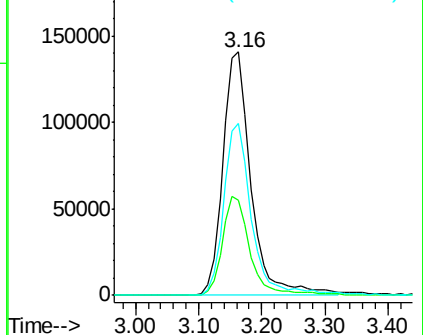
151 70.5 53.3 79.9



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: 54.322 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

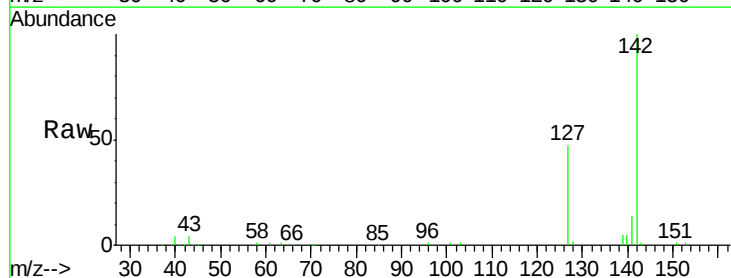
Tgt Ion:142 Resp: 592841

Ion Ratio Lower Upper

142 100

127 47.0 36.8 55.2

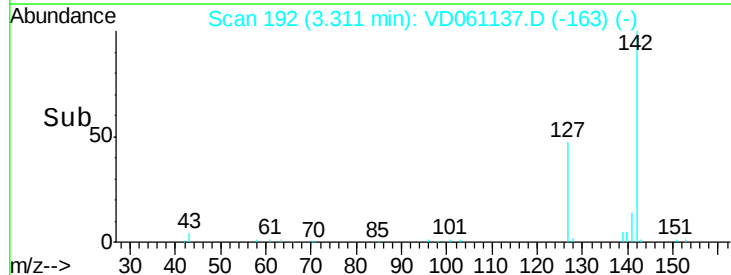
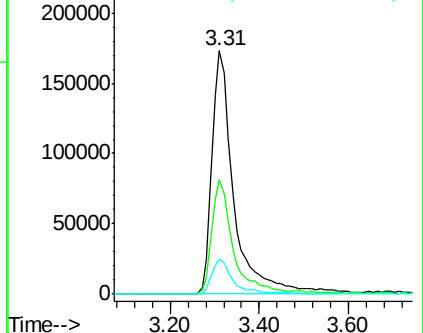
141 14.5 11.2 16.8

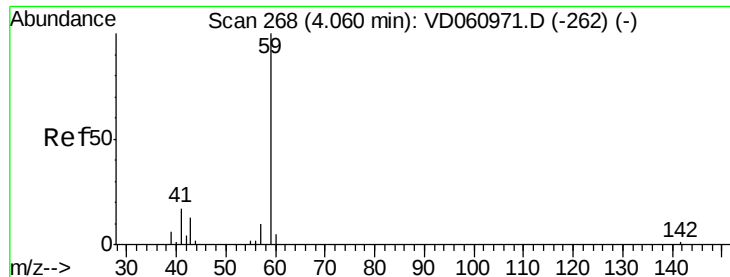


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



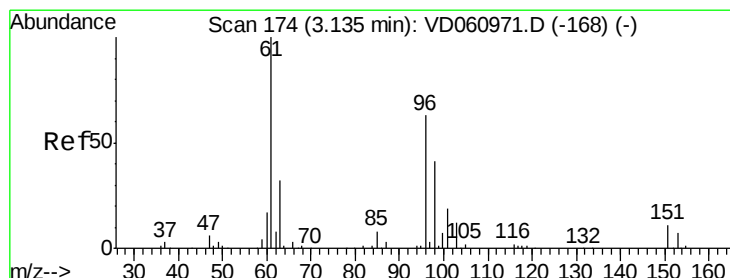
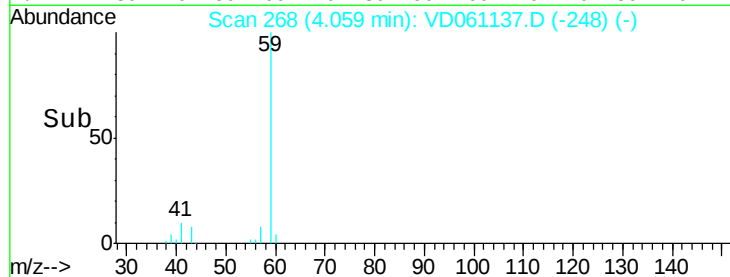
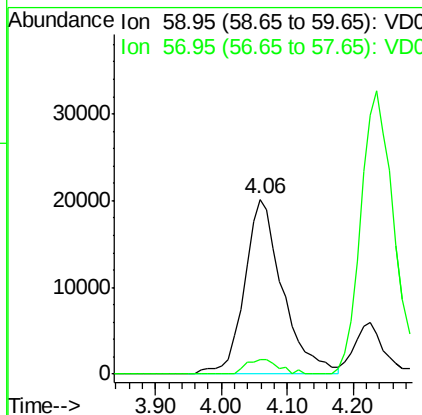
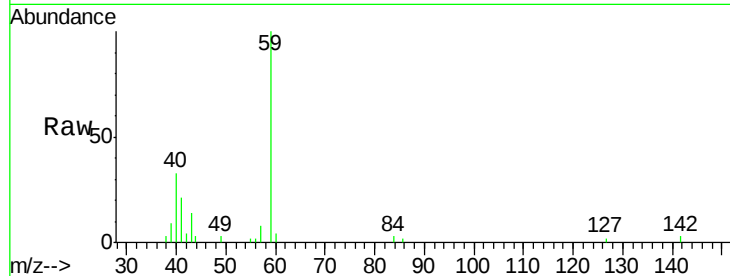


#11

Tert butyl alcohol
Concen: 239.149 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :

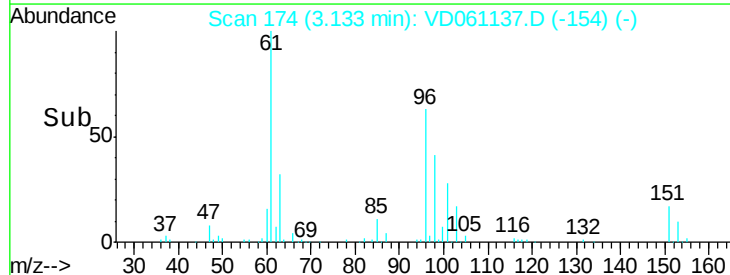
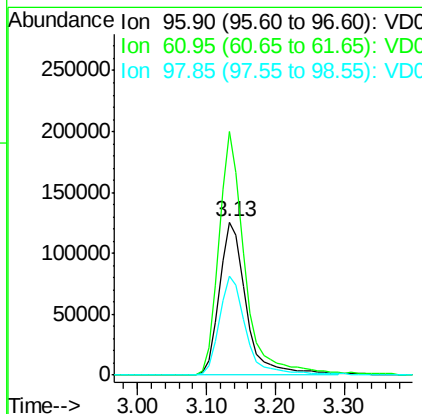
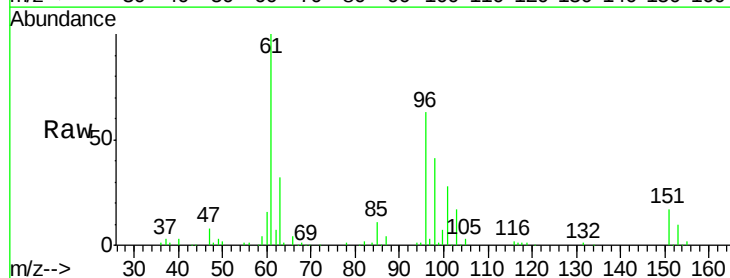
Tot Ion: 59 Resp: 81605
Ion Ratio Lower Upper
59 100
57 8.2 7.1 10.7

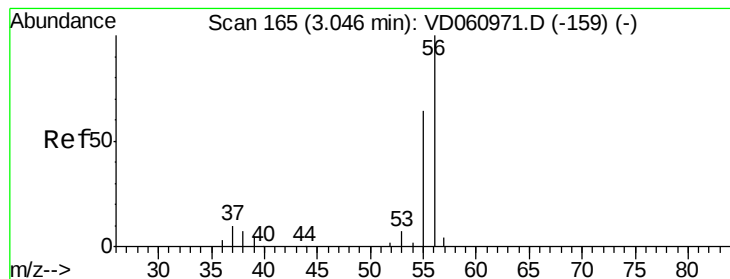


#12

1,1-Dichloroethene
Concen: 52.451 ug/l
RT: 3.13 min Scan# 174
Delta R.T. -0.00 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Tgt Ion: 96 Resp: 339037
Ion Ratio Lower Upper
96 100
61 159.3 127.1 190.7
98 64.8 51.5 77.3





#13

Acrolein

Concen: 302.540 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

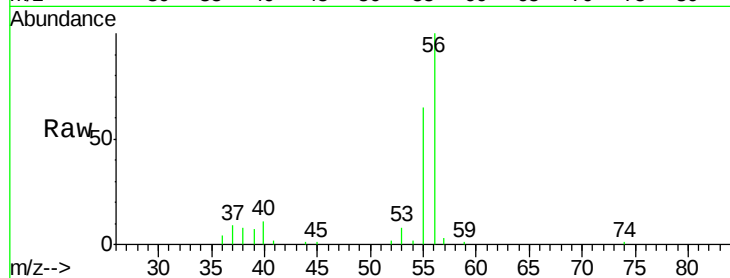
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 149373

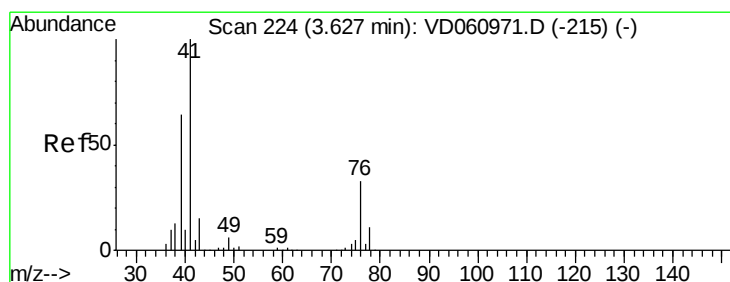
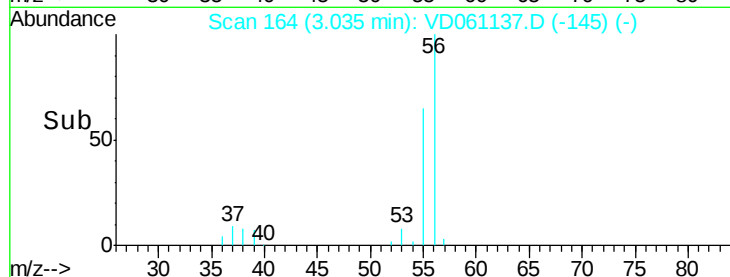
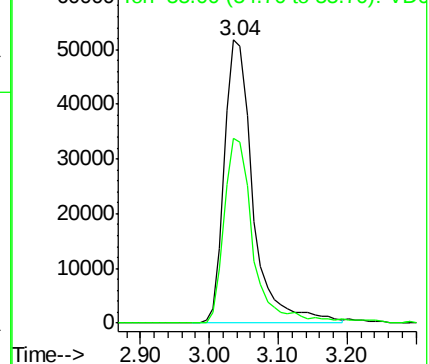
Ion Ratio Lower Upper

56 100

55 65.2 51.3 76.9



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



#14

Allyl chloride

Concen: 52.111 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

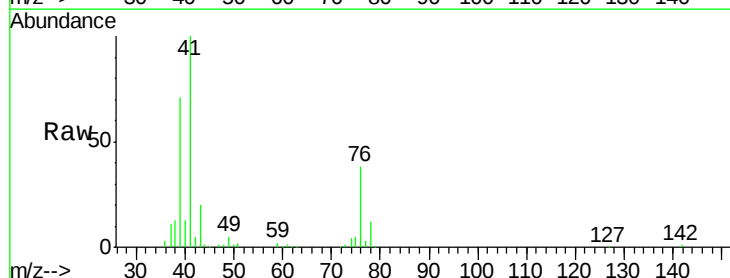
Tgt Ion: 41 Resp: 538936

Ion Ratio Lower Upper

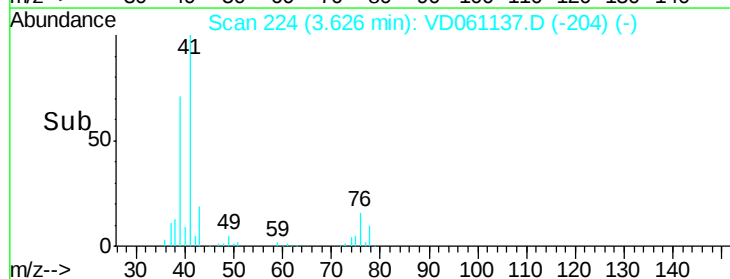
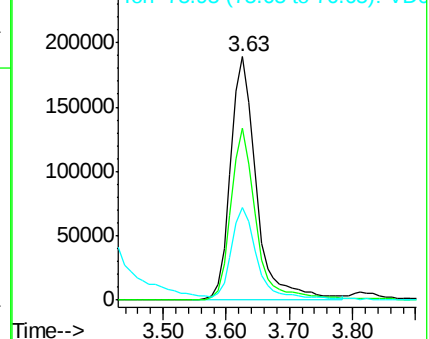
41 100

39 70.5 51.1 76.7

76 38.0 29.1 43.7



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: 234.577 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :
MSVOA_D
ClientSampled :

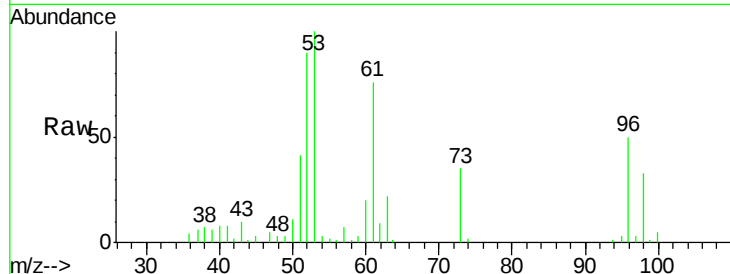
Tot Ion: 53 Resp: 282904

Ion Ratio Lower Upper

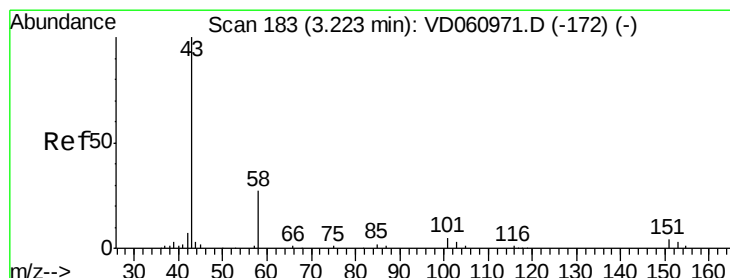
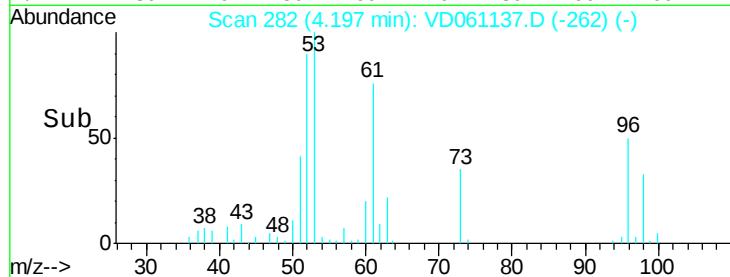
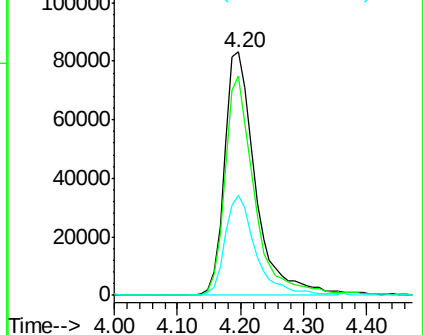
53 100

52 90.0 70.2 105.4

51 41.2 31.7 47.5



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



#16

Acetone

Concen: 273.044 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061137.D

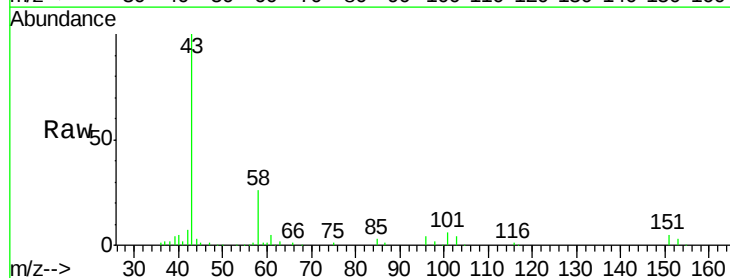
Acq: 18 Mar 2019 11:04

Tgt Ion: 43 Resp: 418510

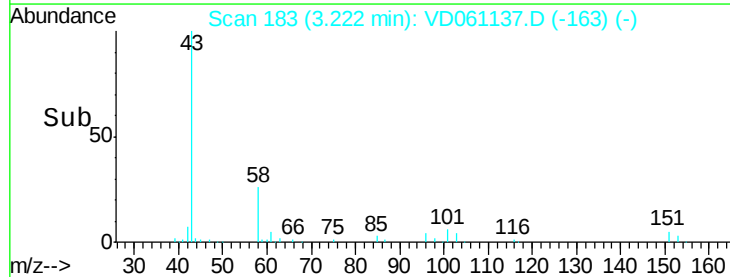
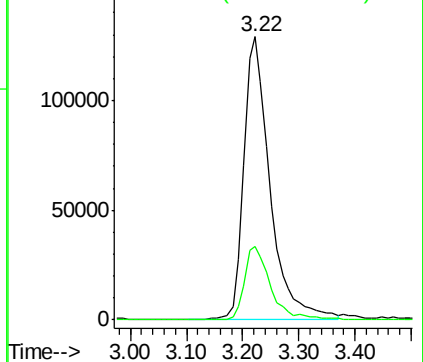
Ion Ratio Lower Upper

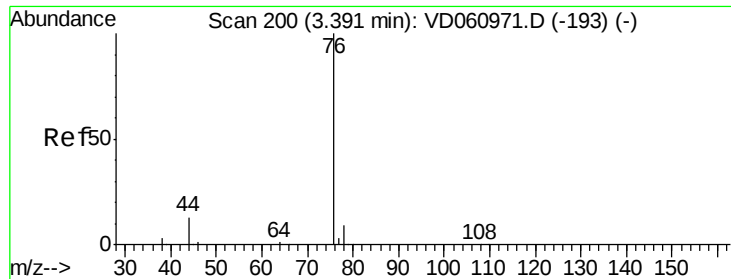
43 100

58 26.1 21.6 32.4



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

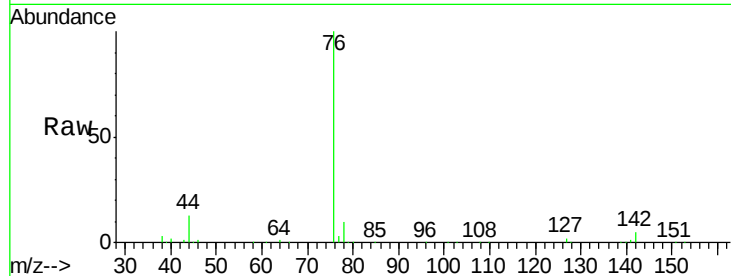




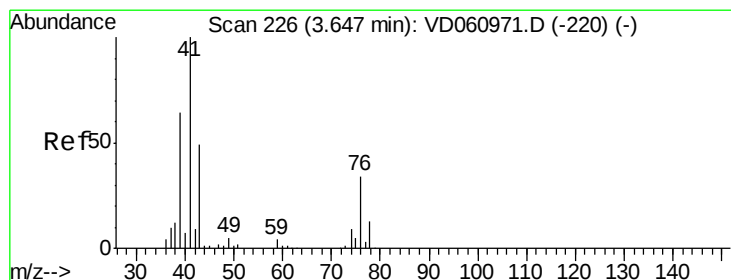
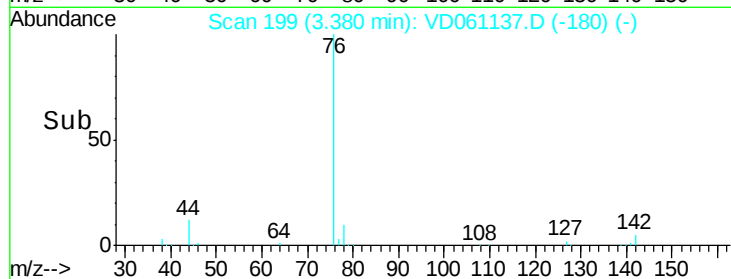
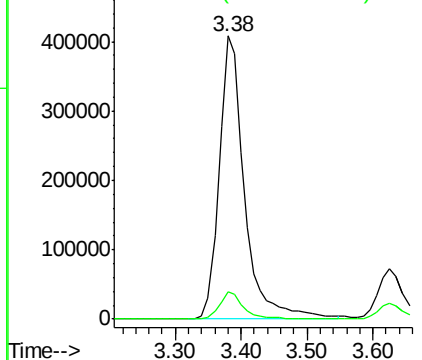
#17
Carbon Disulfide
Concen: 50.038 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 1091046
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.2

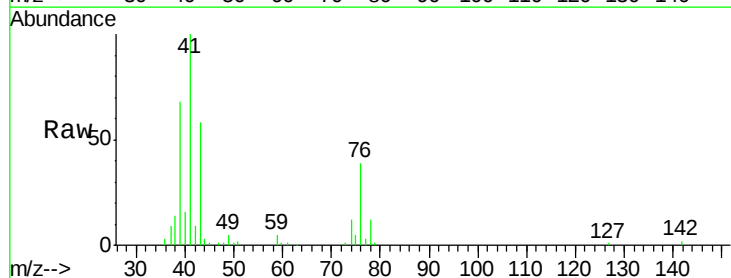


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

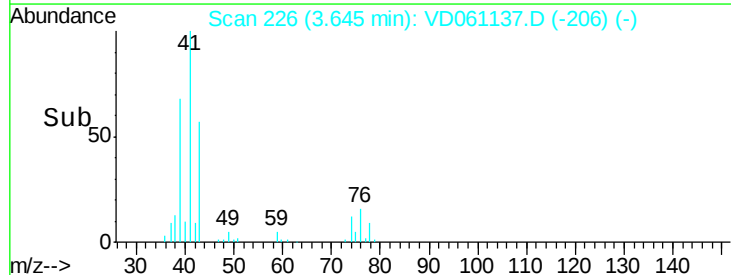
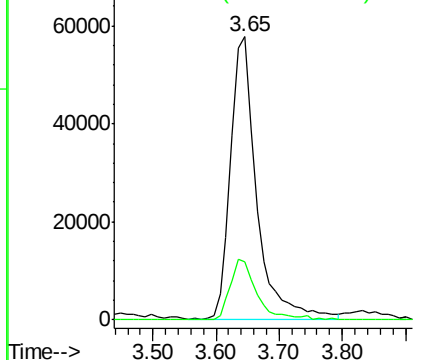


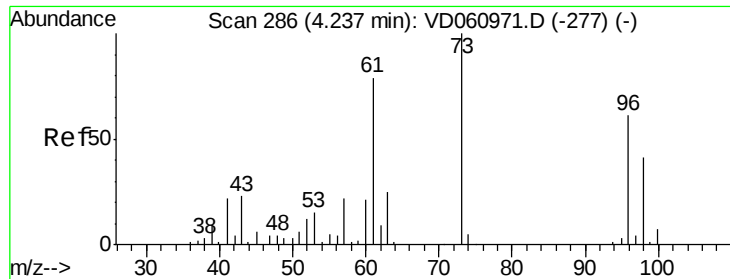
#18
Methyl Acetate
Concen: 55.201 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Tgt Ion: 43 Resp: 166511
Ion Ratio Lower Upper
43 100
74 20.4 14.6 21.8



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

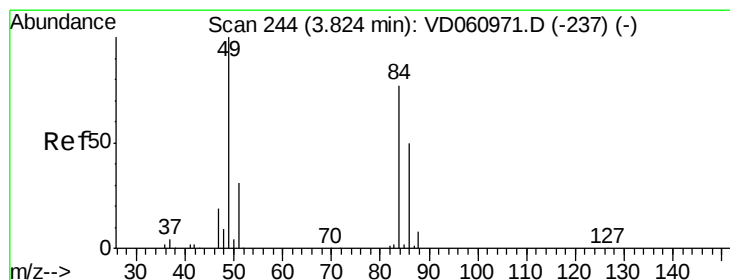
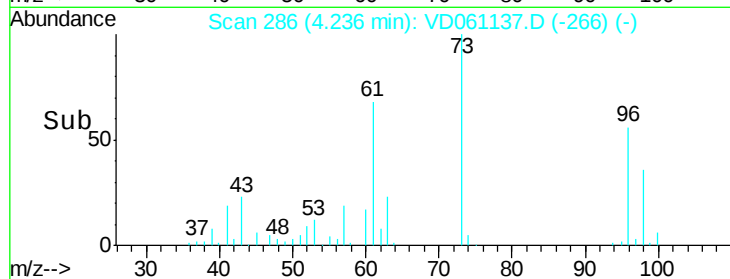
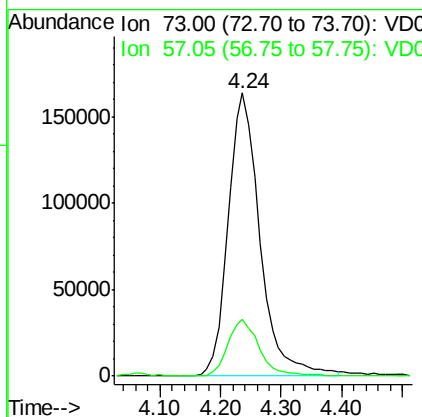
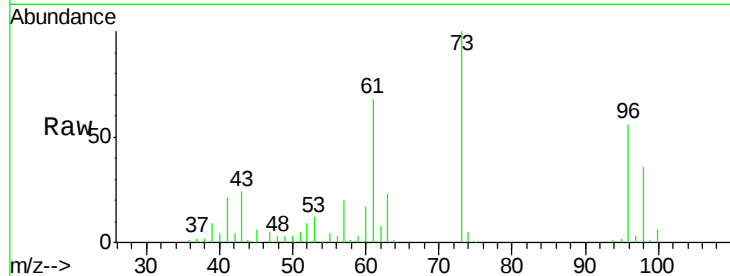




#19
Methyl tert-butyl Ether
Concen: 52.849 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

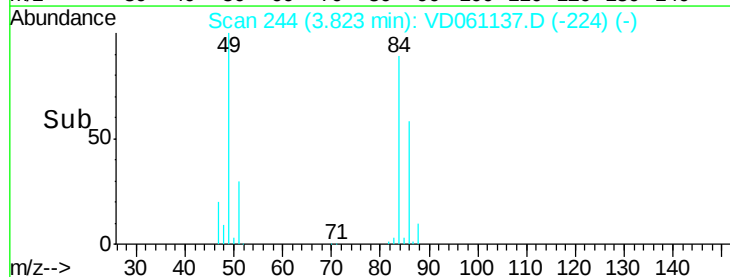
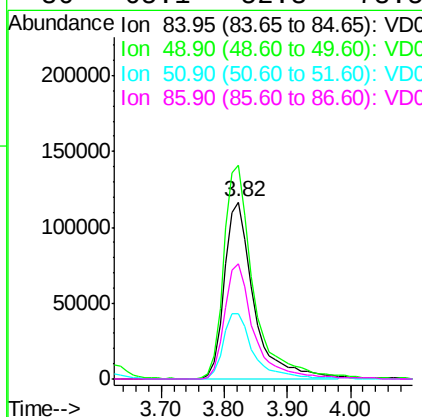
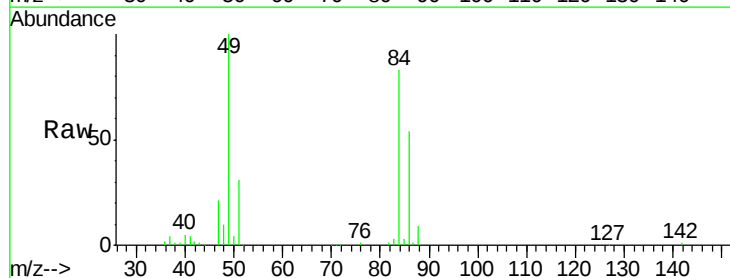
Instrument :
MSVOA_D
ClientSampled :

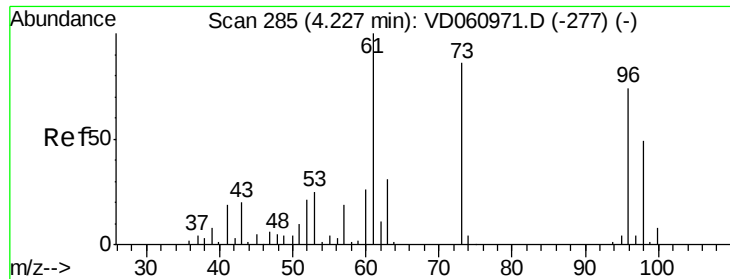
Tot Ion: 73 Resp: 598673
Ion Ratio Lower Upper
73 100
57 19.9 17.7 26.5



#20
Methylene Chloride
Concen: 54.579 ug/l
RT: 3.82 min Scan# 244
Delta R.T. -0.00 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Tgt Ion: 84 Resp: 378457
Ion Ratio Lower Upper
84 100
49 120.6 104.2 156.2
51 36.9 32.3 48.5
86 65.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 52.763 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :

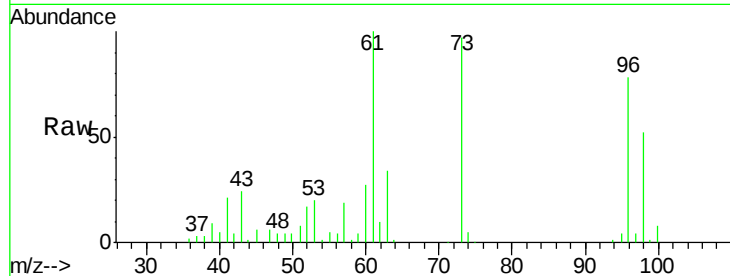
Tot Ion: 96 Resp: 369144

Ion Ratio Lower Upper

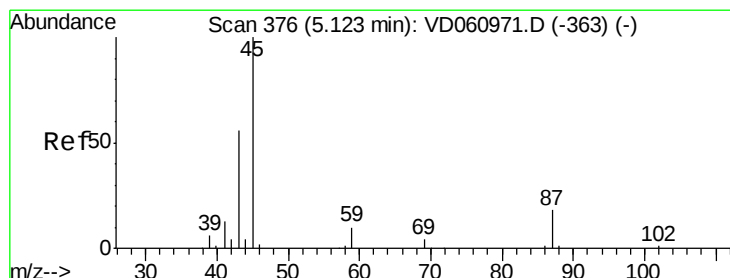
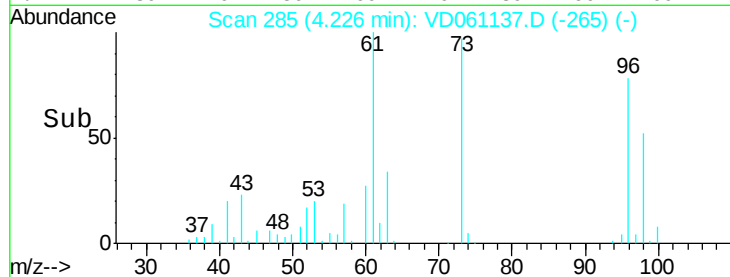
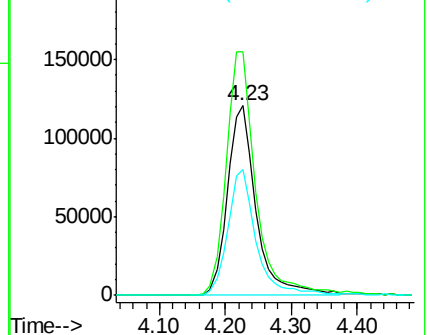
96 100

61 128.4 108.4 162.6

98 66.6 53.0 79.4



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: 50.135 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Tgt Ion: 45 Resp: 1076358

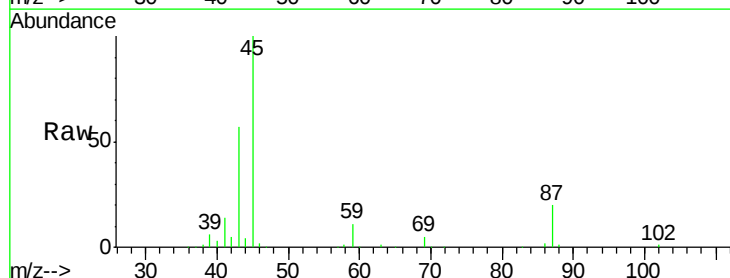
Ion Ratio Lower Upper

45 100

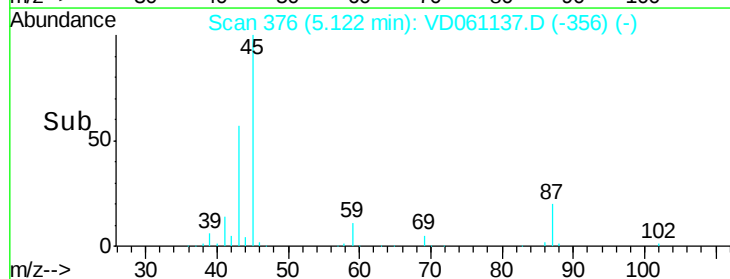
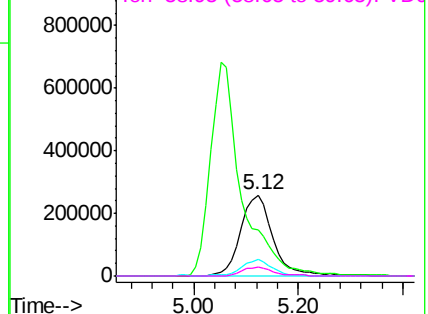
43 57.1 45.8 68.8

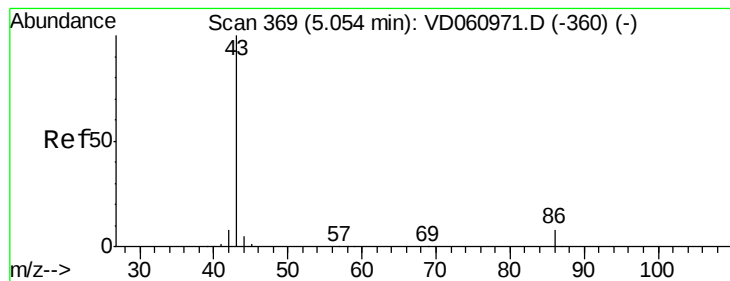
87 19.9 14.9 22.3

59 10.6 8.0 12.0



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: 252.199 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

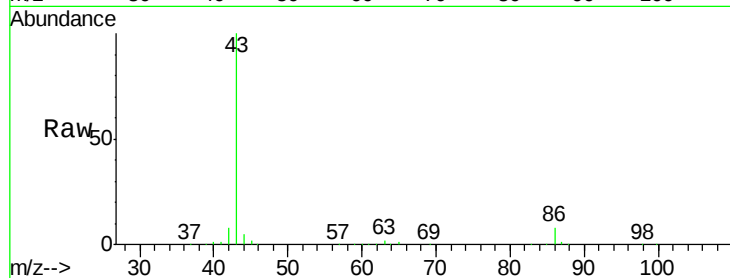
ClientSampleId :

Tot Ion: 43 Resp: 2779518

Ion Ratio Lower Upper

43 100

86 8.0 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

800000

600000

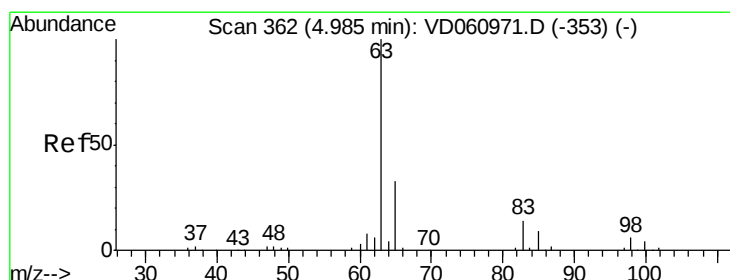
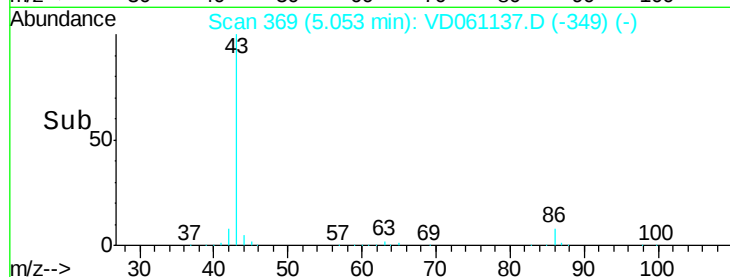
400000

200000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 55.915 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

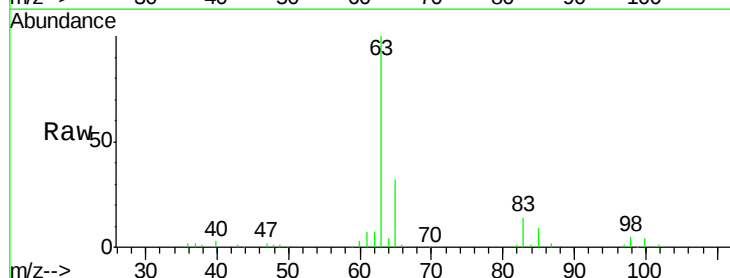
Tgt Ion: 63 Resp: 657730

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.8 2.0 5.8



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

250000

200000

150000

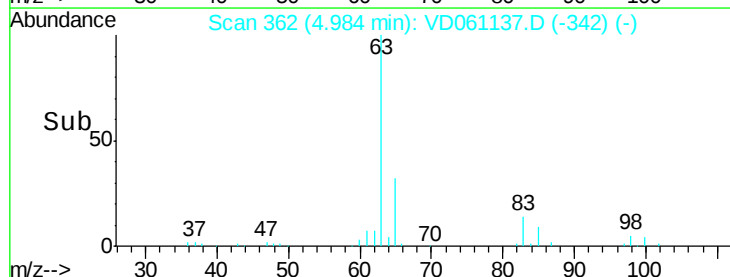
100000

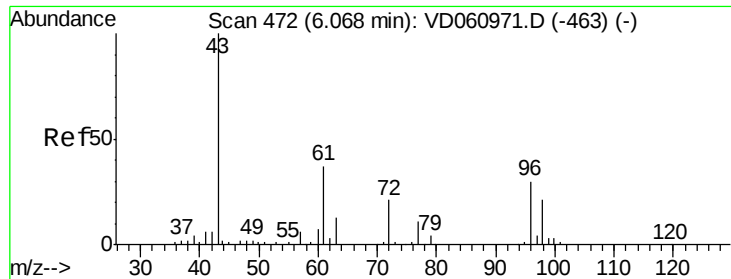
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 261.340 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

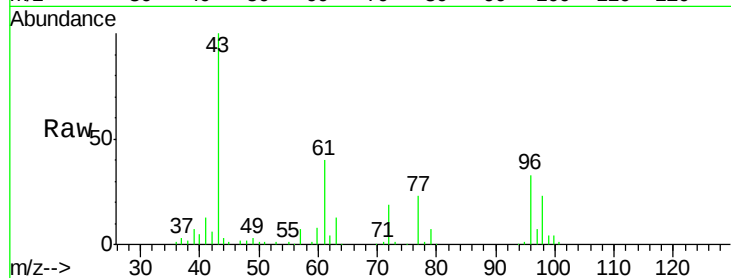
ClientSampleId :

Tot Ion: 43 Resp: 454537

Ion Ratio Lower Upper

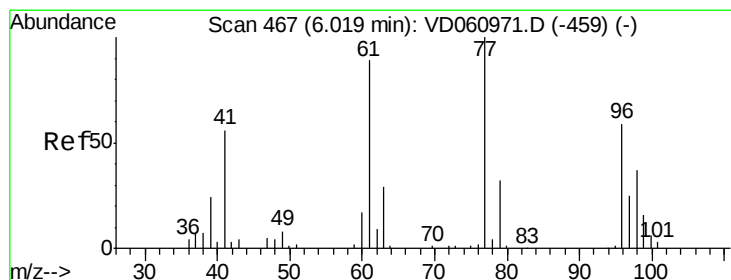
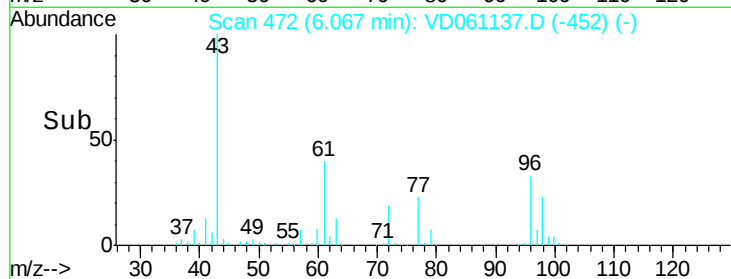
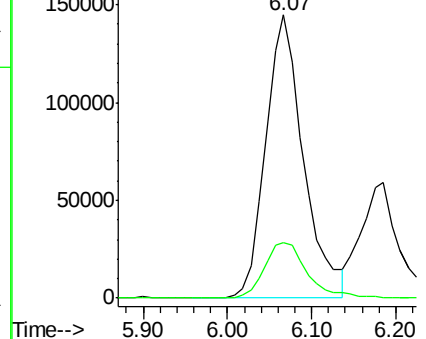
43 100

72 19.4 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 59.380 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061137.D

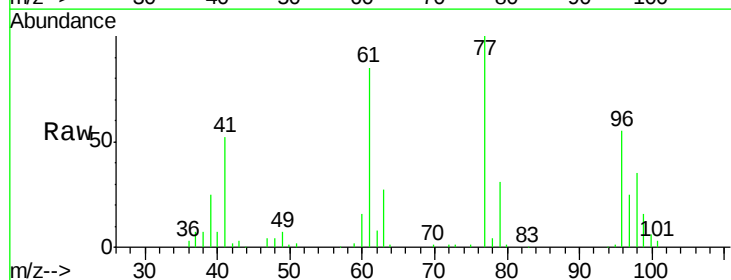
Acq: 18 Mar 2019 11:04

Tgt Ion: 77 Resp: 545280

Ion Ratio Lower Upper

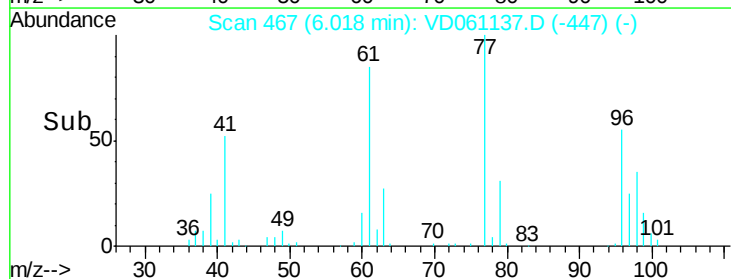
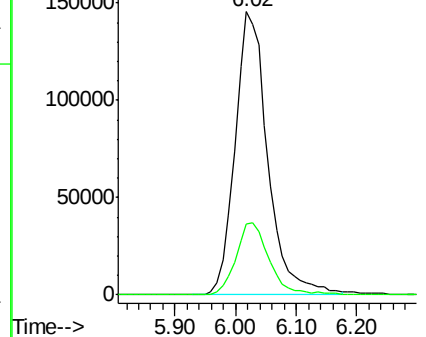
77 100

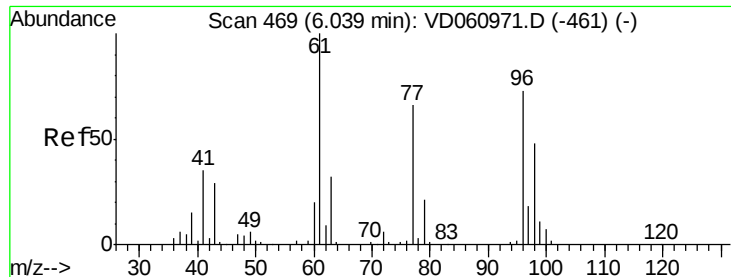
97 25.0 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



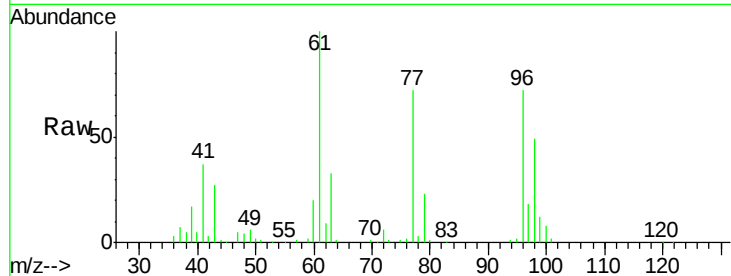


#27

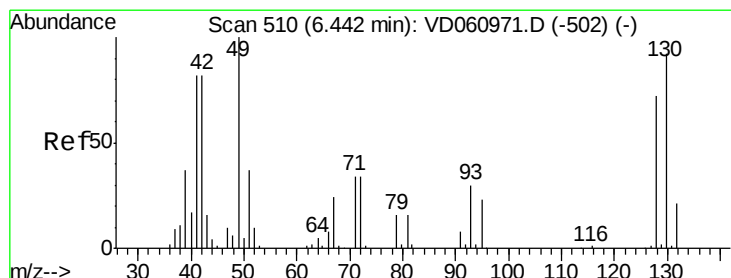
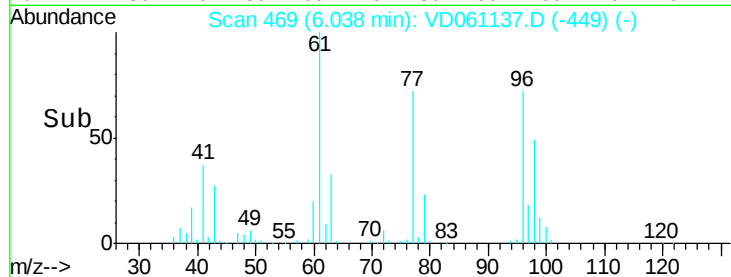
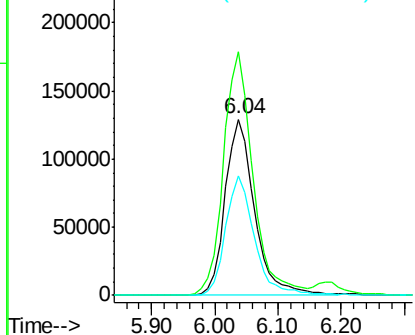
cis-1,2-Dichloroethene
 Concen: 56.240 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	96	Resp	417469
Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	273.6
98	67.5	0.0	132.6



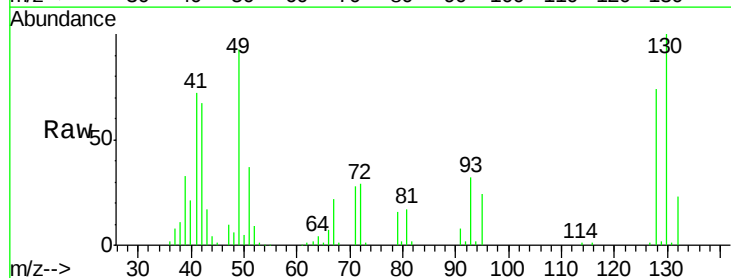
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



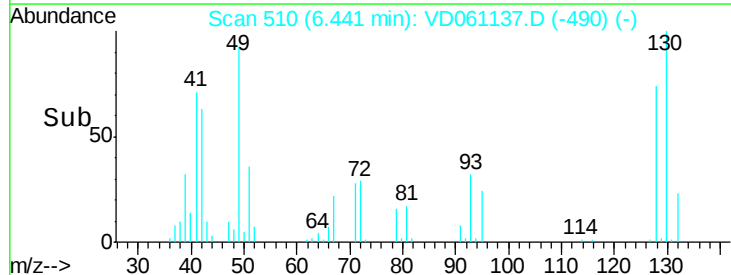
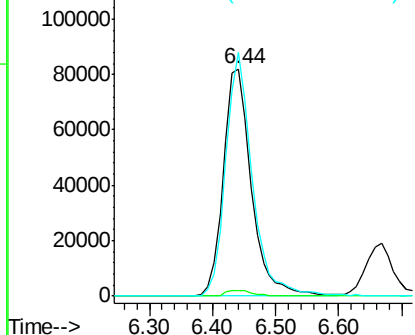
#28

Bromochloromethane
 Concen: 51.050 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Tgt Ion	49	Resp	254217
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.0
130	107.0	73.8	110.8



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

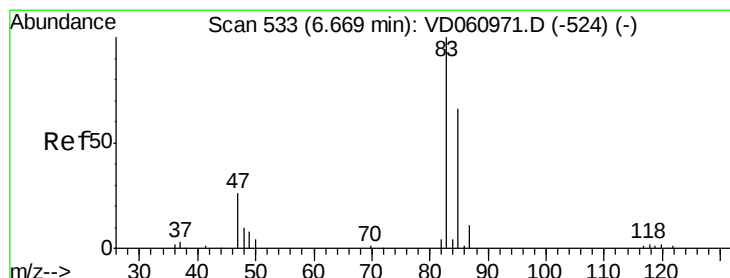
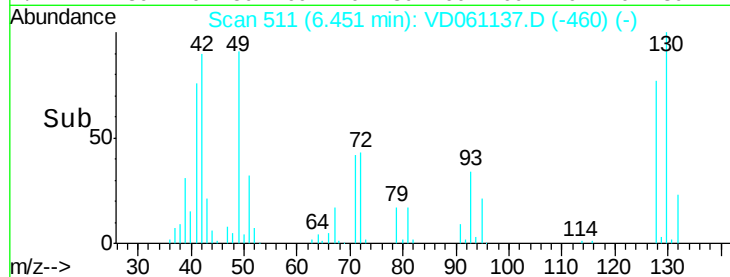
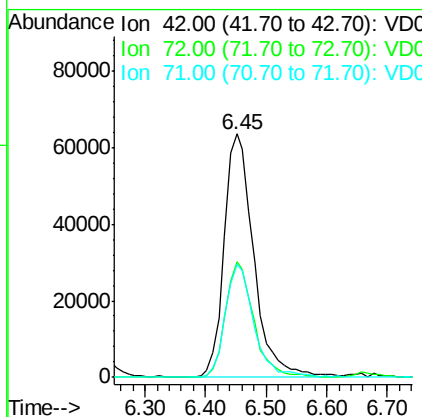
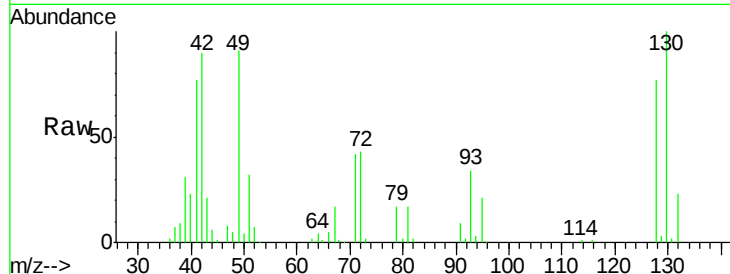




#29
Tetrahydrofuran
Concen: 229.108 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

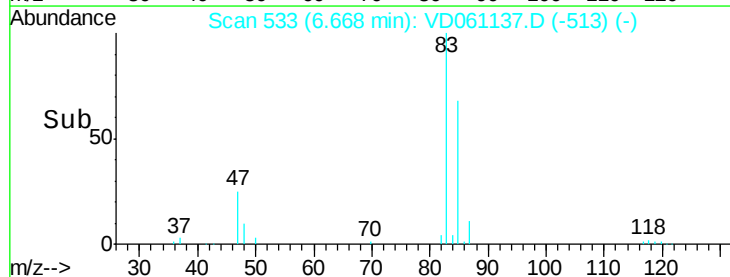
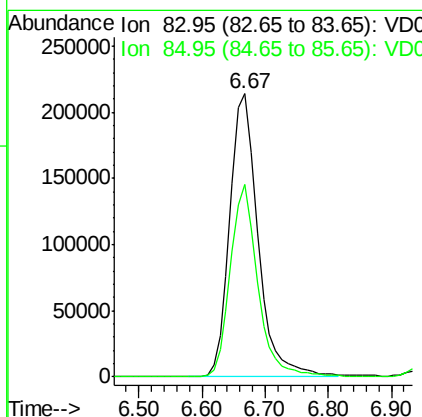
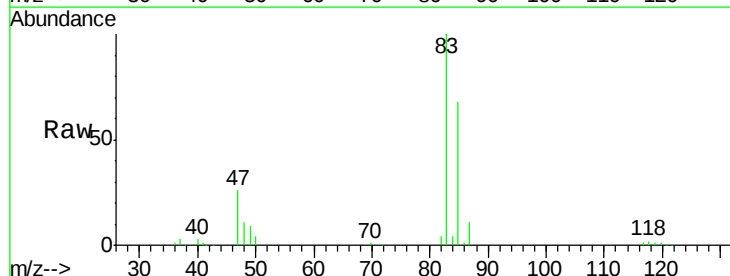
Instrument :
MSVOA_D
ClientSampled :

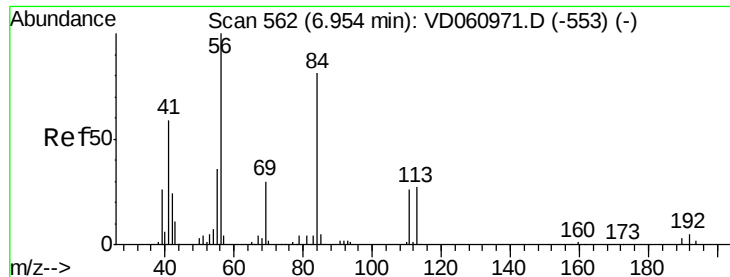
Tot Ion: 42 Resp: 216373
Ion Ratio Lower Upper
42 100
72 45.1 34.5 51.7
71 44.4 33.8 50.6



#30
Chloroform
Concen: 54.590 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Tgt Ion: 83 Resp: 665527
Ion Ratio Lower Upper
83 100
85 68.1 53.0 79.4





#31

Cyclohexane

Concen: 53.956 ug/l

RT: 6.95 min Scan# 562

Delta R.T. -0.00 min

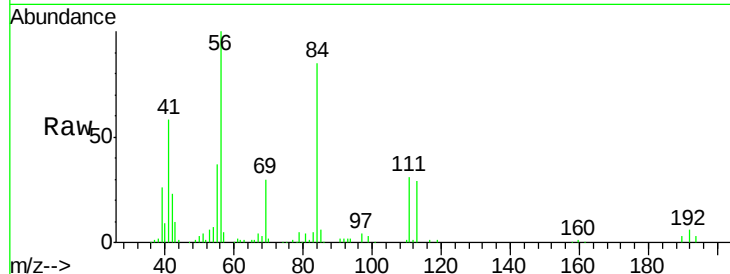
Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

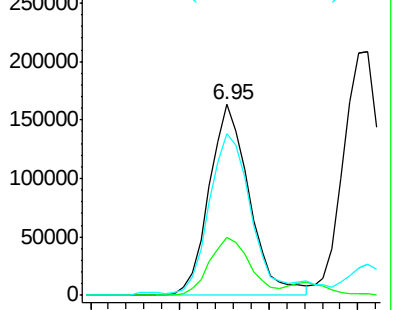
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 511767

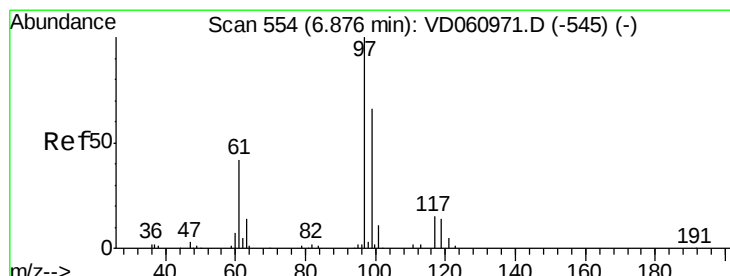
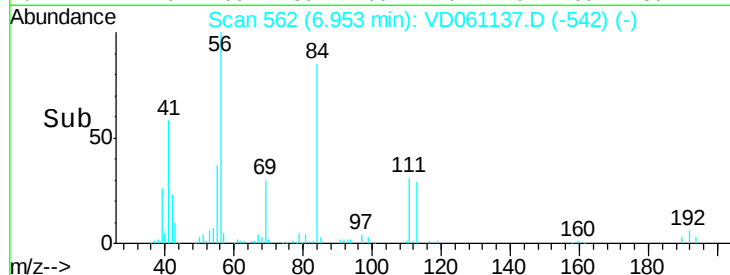
Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.0	36.0
84	84.9	65.8	98.6



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



Time-->



#32

1,1,1-Trichloroethane

Concen: 56.136 ug/l

RT: 6.87 min Scan# 554

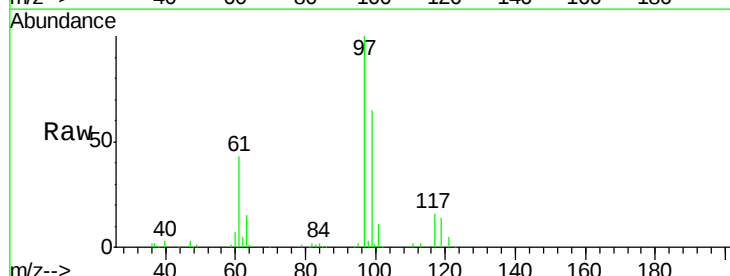
Delta R.T. -0.00 min

Lab File: VD061137.D

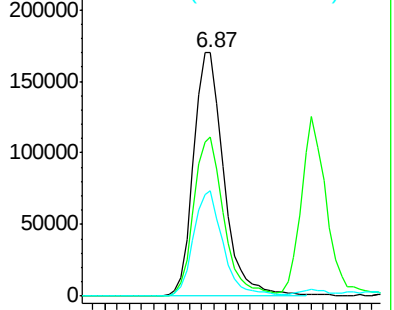
Acq: 18 Mar 2019 11:04

Tgt Ion: 97 Resp: 591673

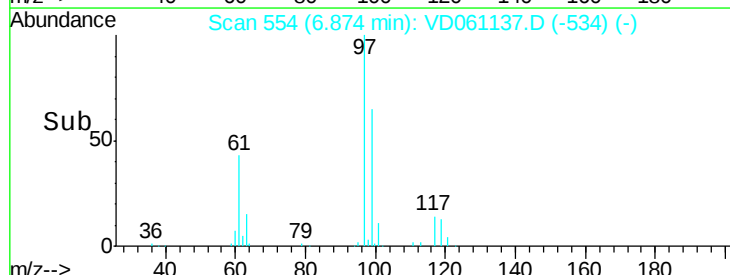
Ion	Ratio	Lower	Upper
97	100		
99	65.3	53.2	79.8
61	43.1	33.8	50.8

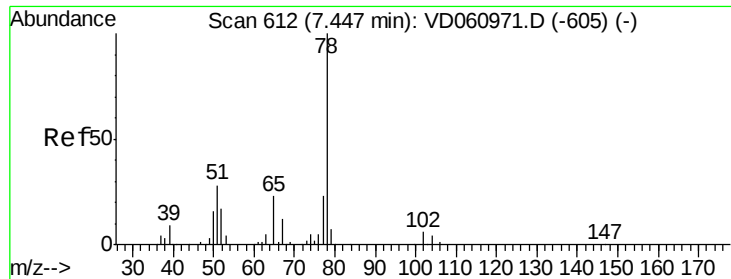


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC



Time-->





#33

1,2-Dichloroethane-d4

Concen: 56.136 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

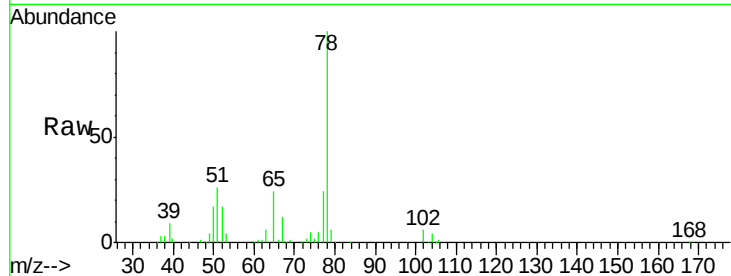
ClientSampleId :

Tot Ion: 65 Resp: 272483

Ion Ratio Lower Upper

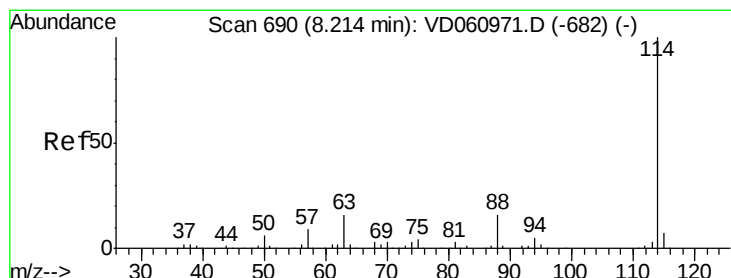
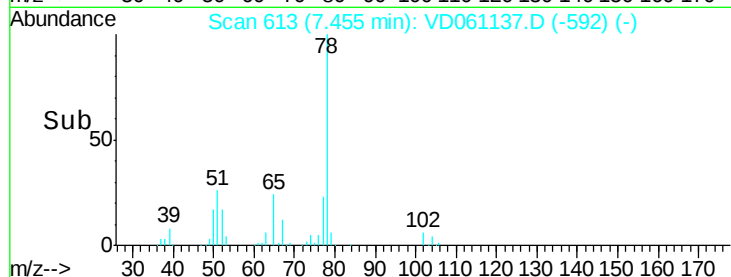
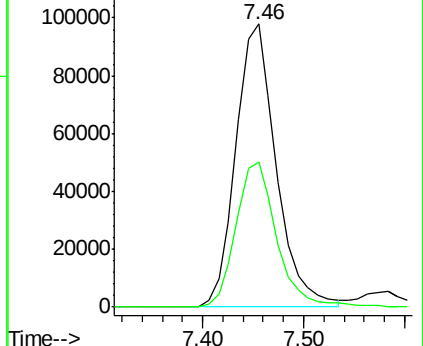
65 100

67 51.3 0.0 105.2



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# 690

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

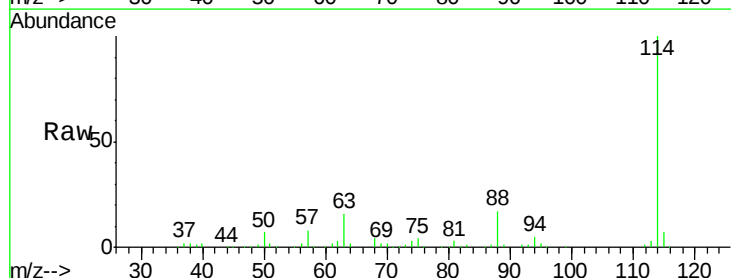
Tgt Ion:114 Resp: 1086212

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.4

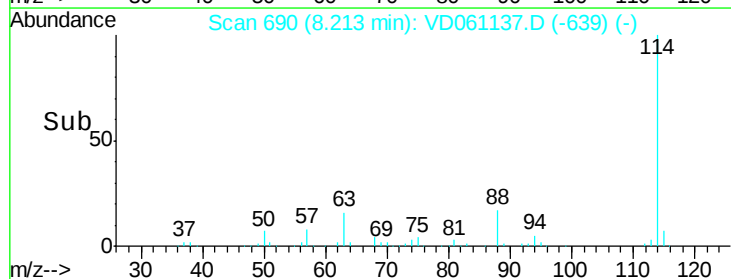
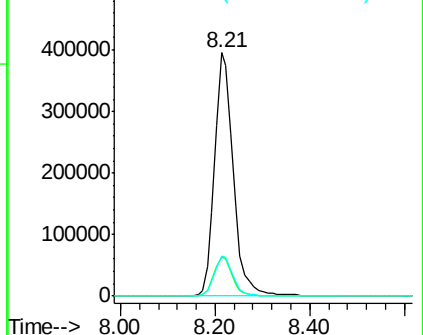
88 16.6 0.0 33.0

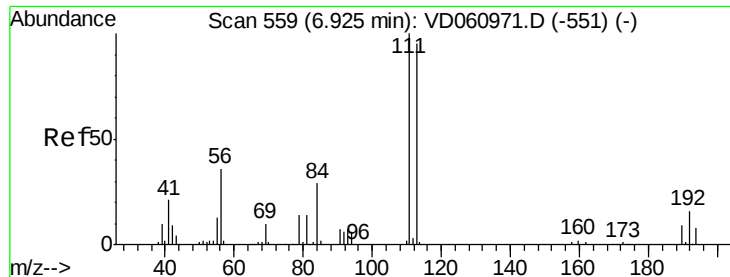


Abundance Ion 114.00 (113.70 to 114.70): V

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# 559

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

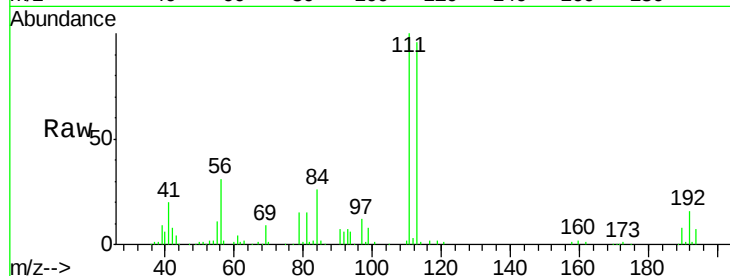
Tot Ion:113 Resp: 444162

Ion Ratio Lower Upper

113 100

111 103.7 84.2 126.4

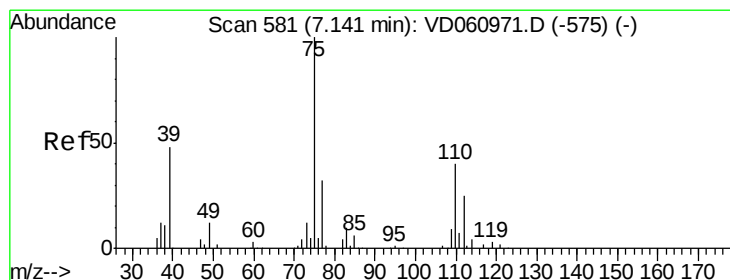
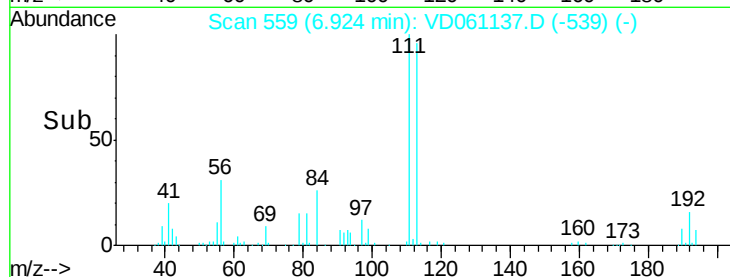
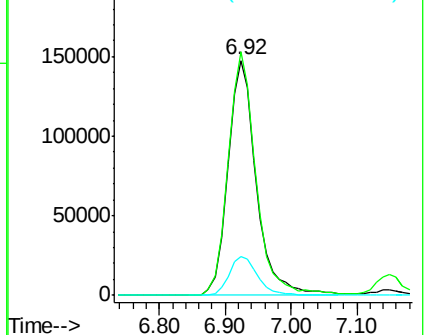
192 16.7 13.1 19.7



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: 53.214 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

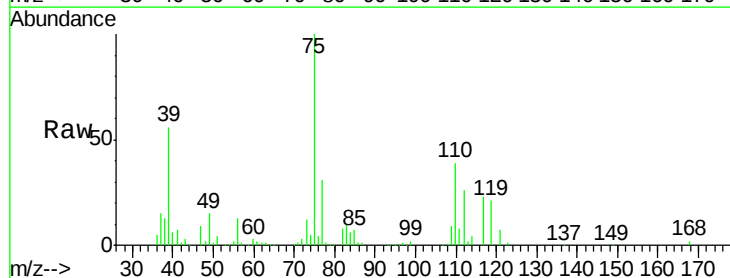
Tgt Ion: 75 Resp: 498239

Ion Ratio Lower Upper

75 100

110 38.9 19.7 59.1

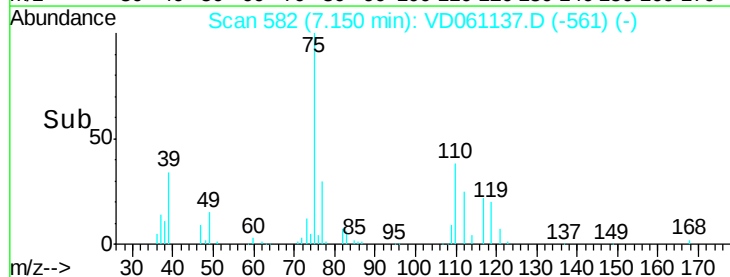
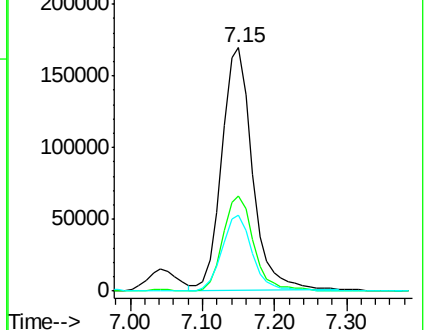
77 31.0 24.7 37.1

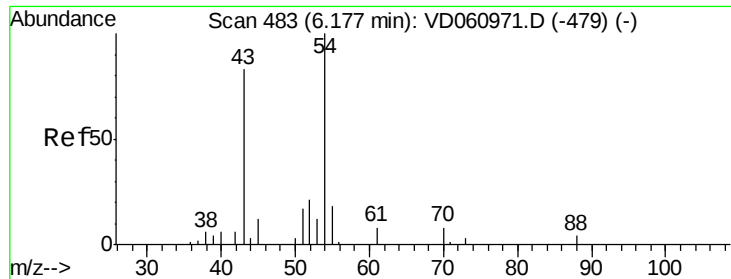


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

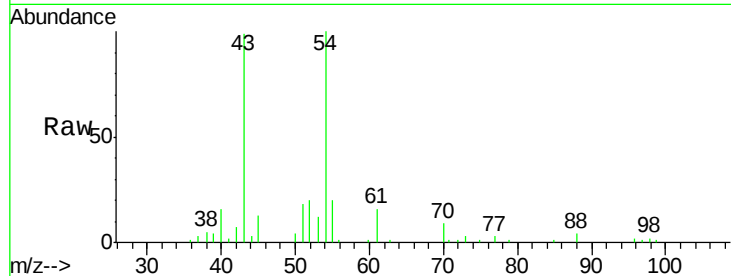




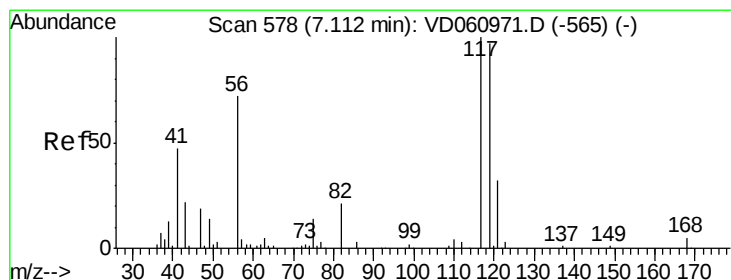
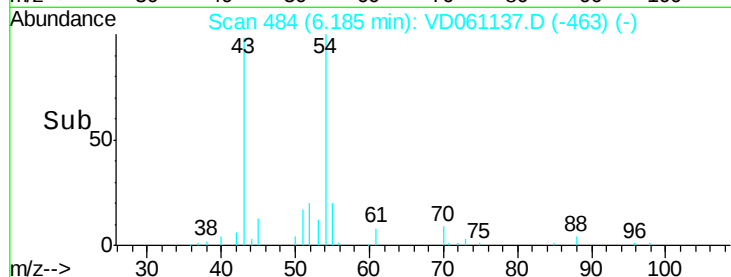
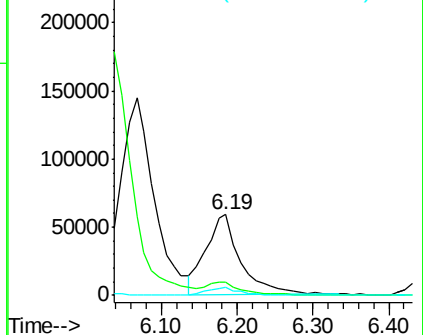
#37
Ethyl Acetate
Concen: 43.047 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 189134
Ion Ratio Lower Upper
43 100
61 16.4 13.7 20.5
70 9.4 7.1 10.7

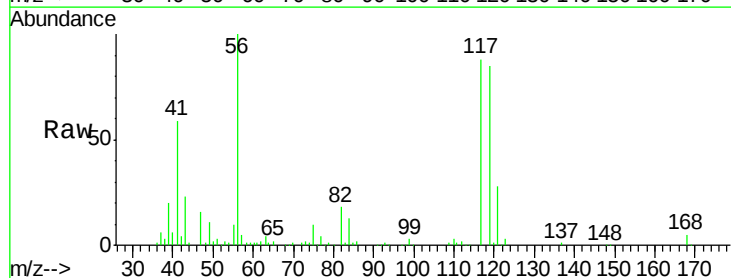


Abundance Ion 42.95 (42.65 to 43.65): VD061137.D (-479) (-)
Ion 60.95 (60.65 to 61.65): VD061137.D (-479) (-)
Ion 70.00 (69.70 to 70.70): VD061137.D (-479) (-)

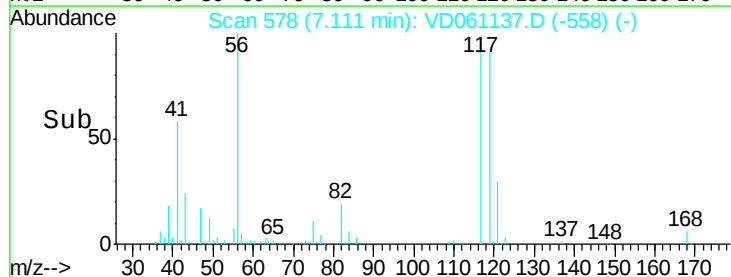
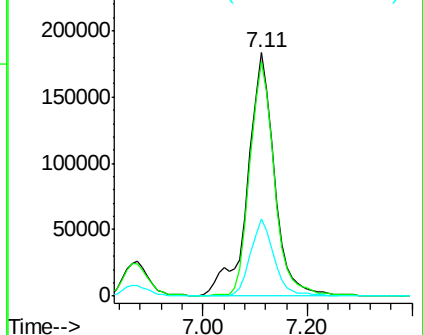


#38
Carbon Tetrachloride
Concen: 60.964 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Tgt Ion: 117 Resp: 628764
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.8
121 31.9 25.3 37.9



Abundance Ion 116.85 (116.55 to 117.55): VD061137.D (-565) (-)
Ion 118.85 (118.55 to 119.55): VD061137.D (-565) (-)
Ion 120.85 (120.55 to 121.55): VD061137.D (-565) (-)





#39

Methvlcvclohexane

Concen: 47.315 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :

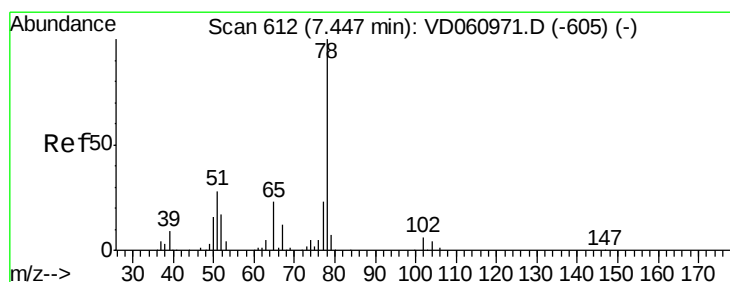
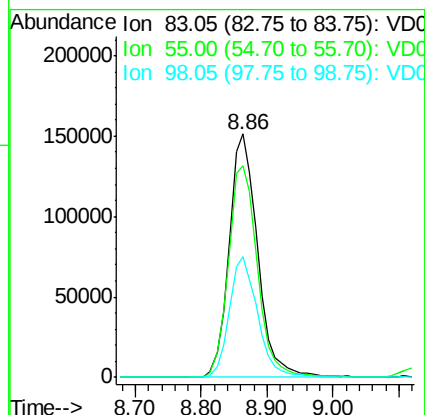
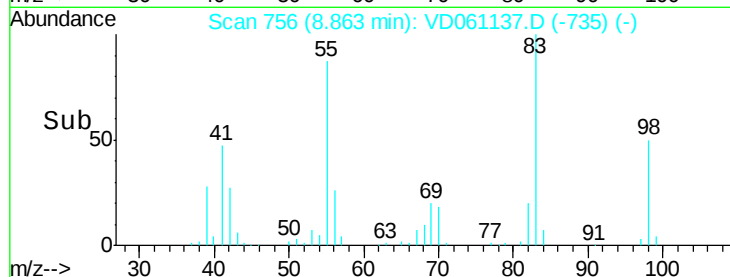
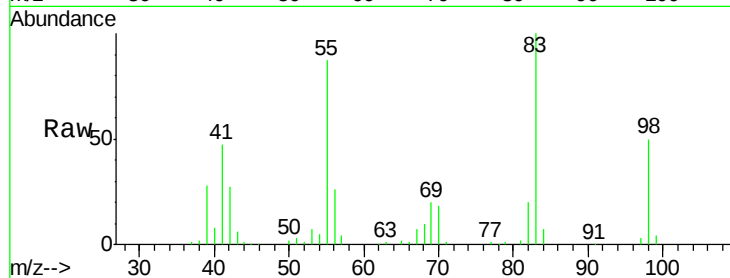
Tot Ion: 83 Resp: 459364

Ion Ratio Lower Upper

83 100

55 86.9 69.6 104.4

98 49.8 40.0 60.0



#40

Benzene

Concen: 51.218 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061137.D

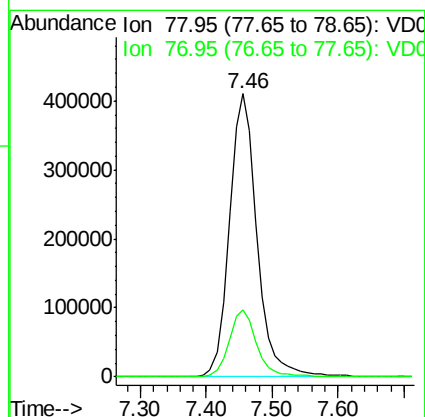
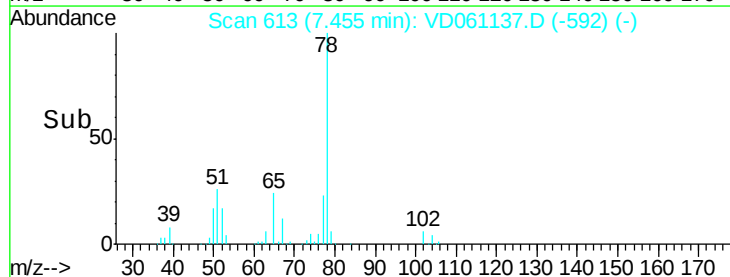
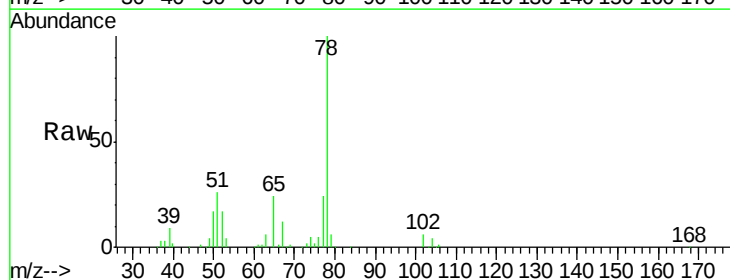
Acq: 18 Mar 2019 11:04

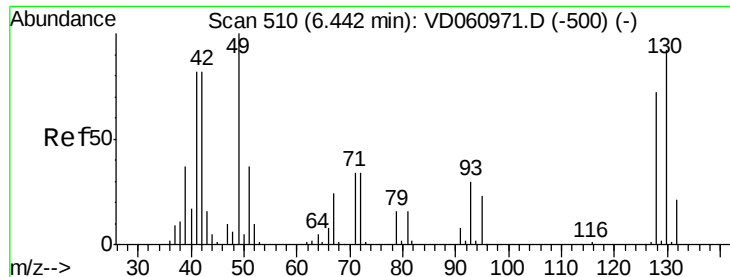
Tgt Ion: 78 Resp: 1198283

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2





#41

Methacrylonitrile

Concen: 47.936 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 242256

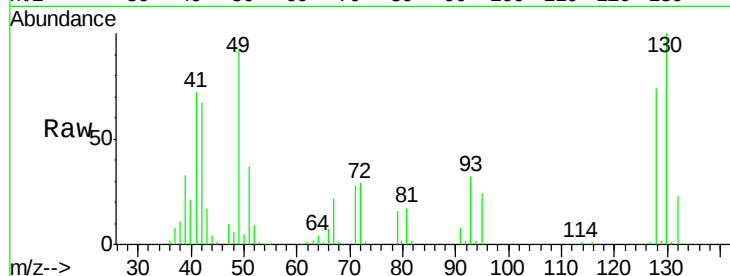
Ion Ratio Lower Upper

41 100

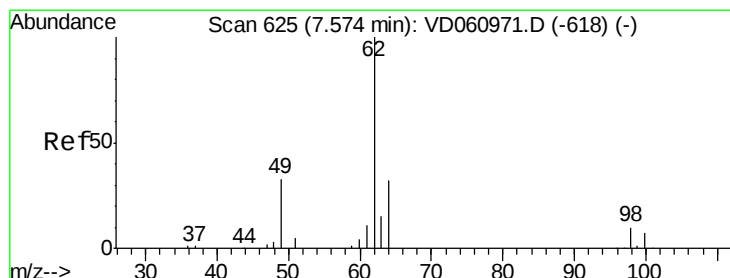
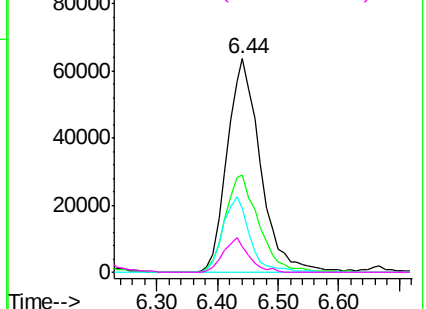
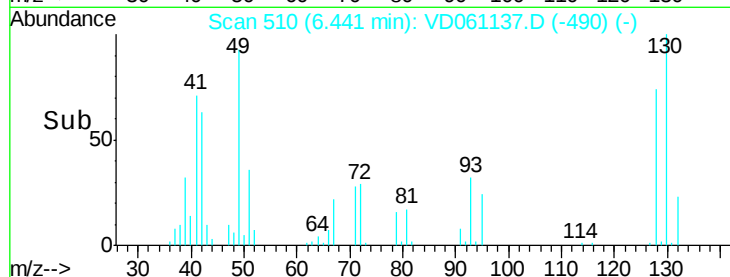
39 45.6 35.7 53.5

67 30.1 23.0 34.6

52 12.0 9.2 13.8



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: 52.468 ug/l

RT: 7.57 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD061137.D

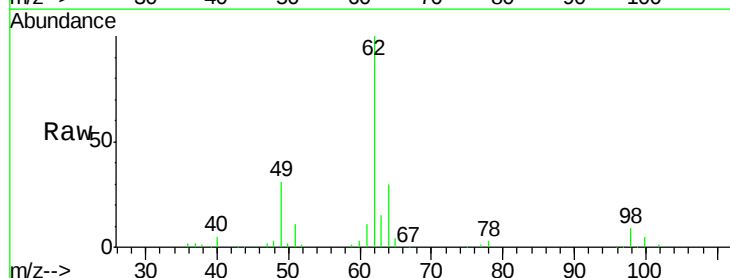
Acq: 18 Mar 2019 11:04

Tgt Ion: 62 Resp: 356227

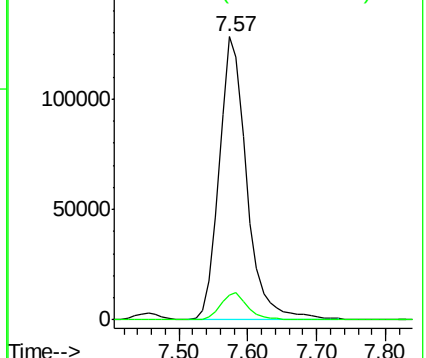
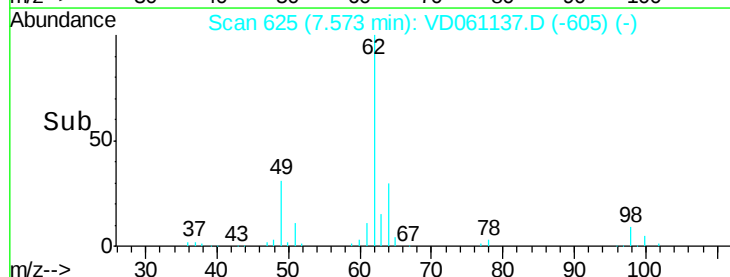
Ion Ratio Lower Upper

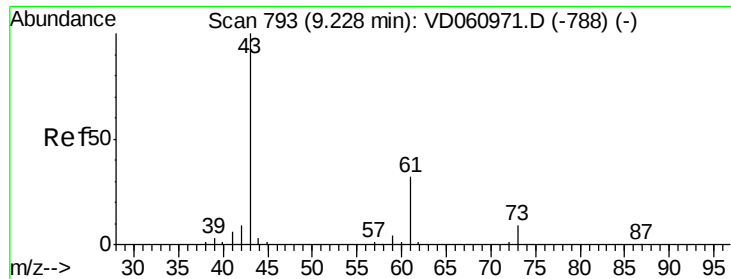
62 100

98 9.0 0.0 20.4



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



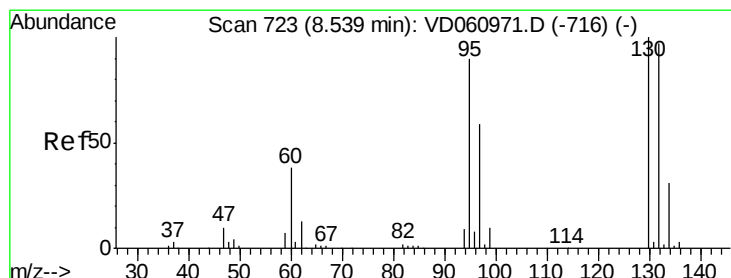
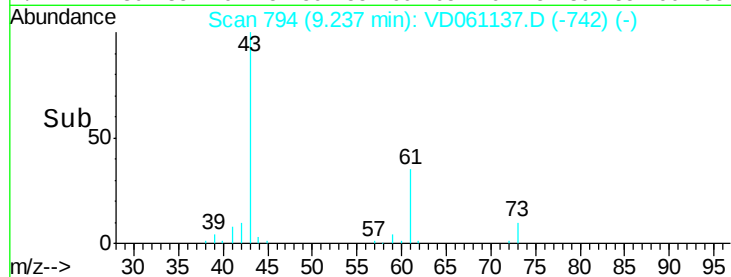
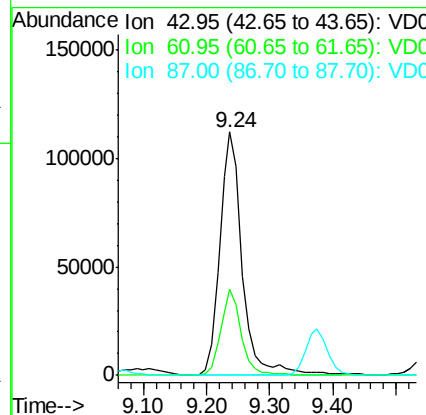
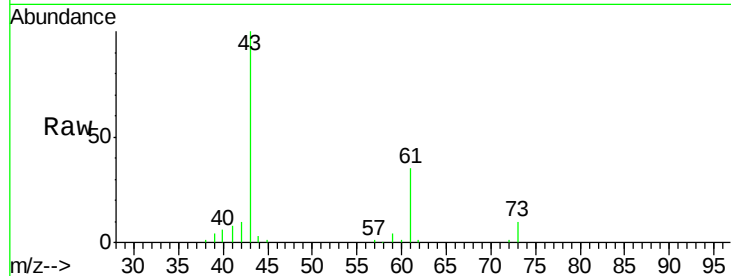


#43

Isopropyl Acetate
 Concen: 46.078 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Instrument :
 MSVOA_D
 ClientSampleID :

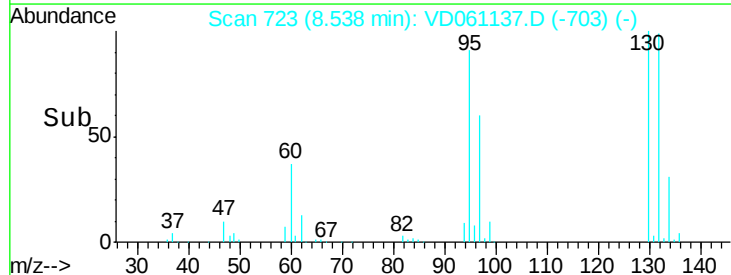
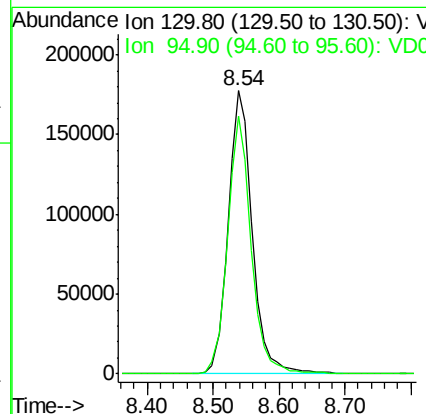
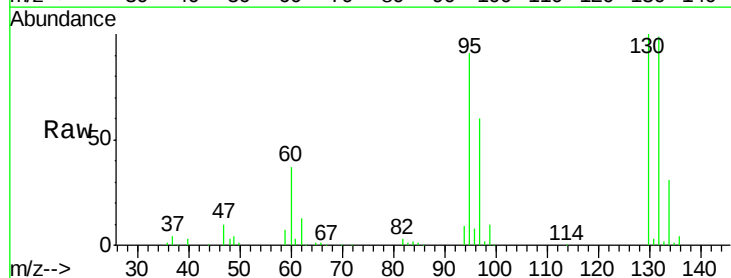
Tot Ion: 43 Resp: 280405
 Ion Ratio Lower Upper
 43 100
 61 35.3 25.6 38.4
 87 0.0 0.2 0.4#

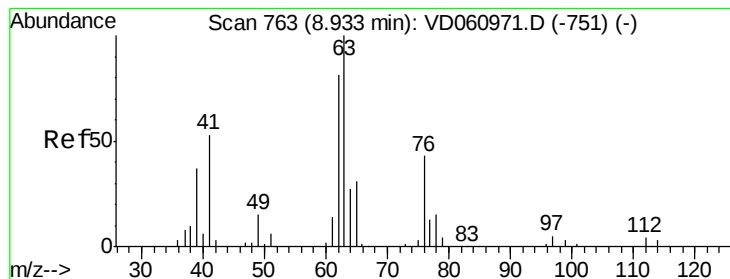


#44

Trichloroethene
 Concen: 56.382 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Tgt Ion:130 Resp: 455078
 Ion Ratio Lower Upper
 130 100
 95 90.9 0.0 179.4





#45

1,2-Dichloropropane

Concen: 51.462 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

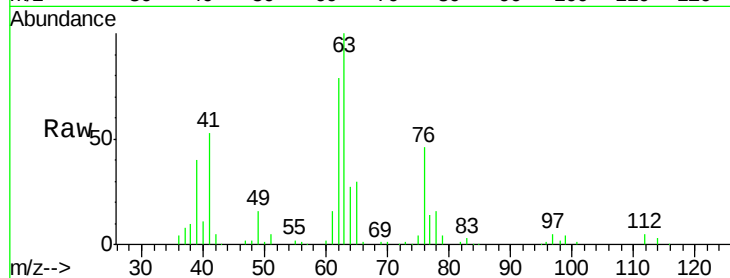
ClientSampleId :

Tot Ion: 63 Resp: 316318

Ion Ratio Lower Upper

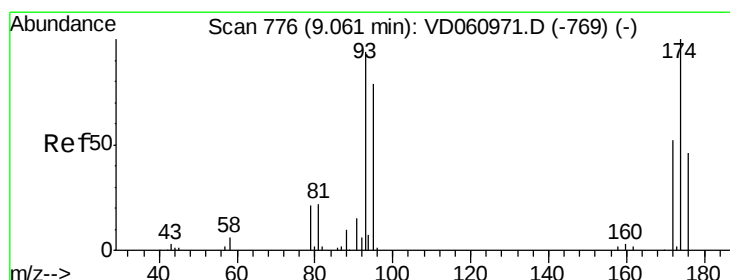
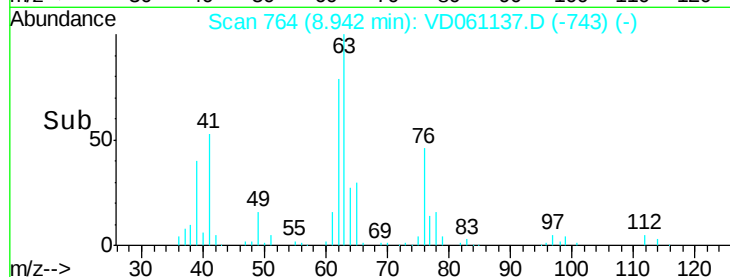
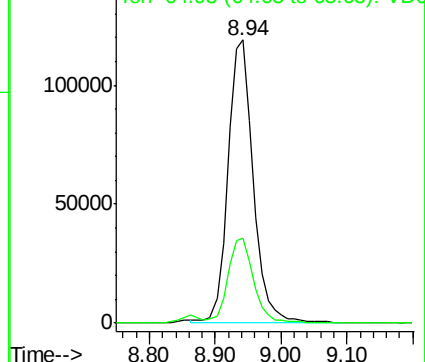
63 100

65 29.9 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.681 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

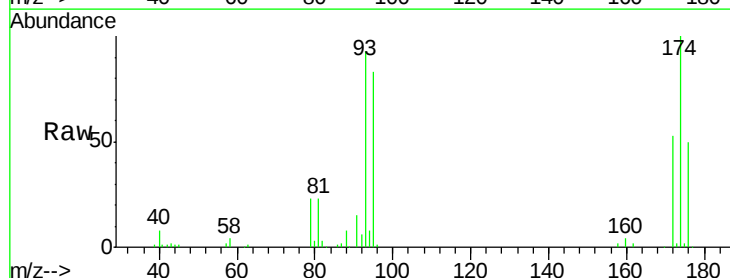
Tgt Ion: 93 Resp: 205401

Ion Ratio Lower Upper

93 100

95 89.4 67.4 101.0

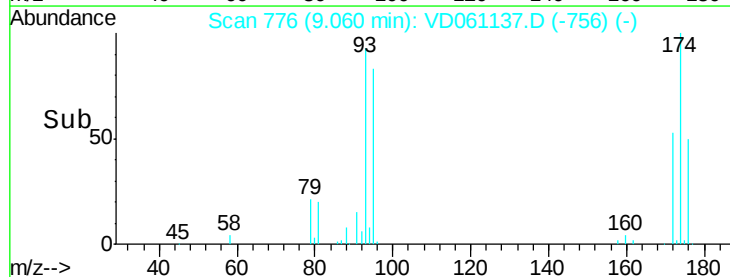
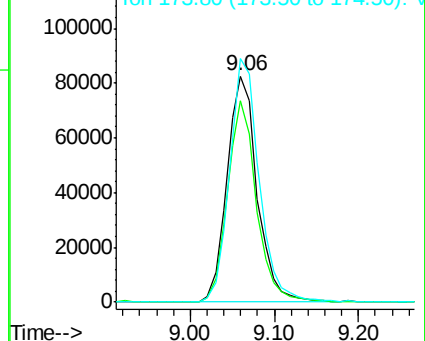
174 107.8 85.4 128.0

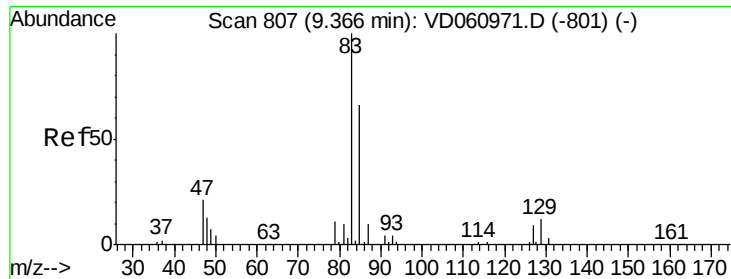


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 57.972 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

ClientSampled :

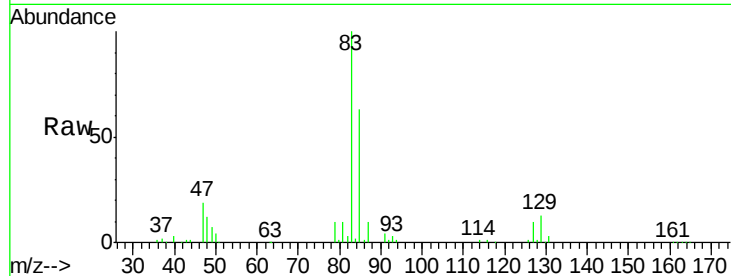
Tot Ion: 83 Resp: 510058

Ion Ratio Lower Upper

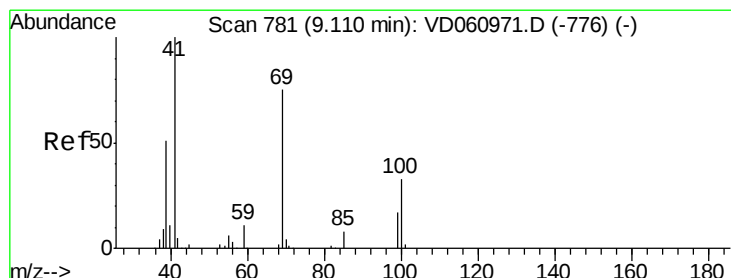
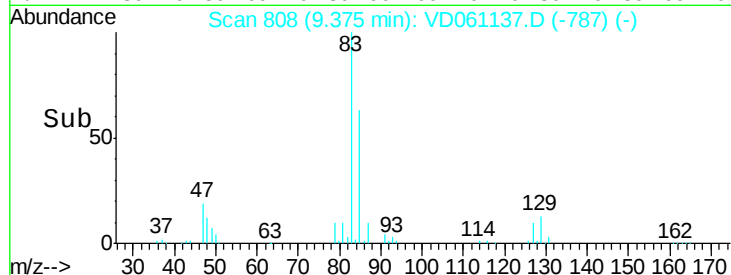
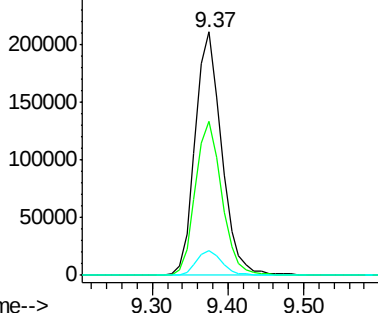
83 100

85 63.2 52.5 78.7

127 10.3 7.5 11.3



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: 50.122 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

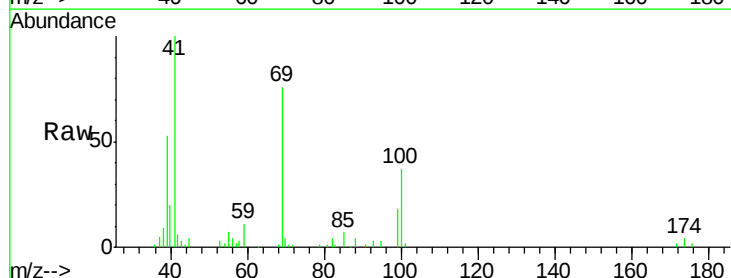
Tgt Ion: 41 Resp: 171735

Ion Ratio Lower Upper

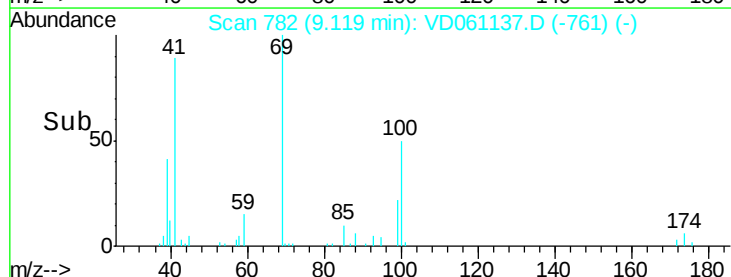
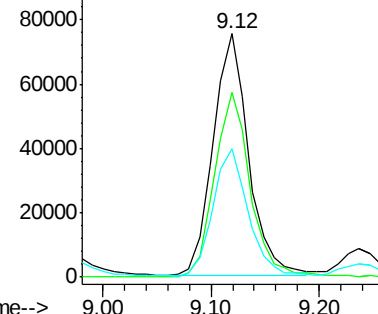
41 100

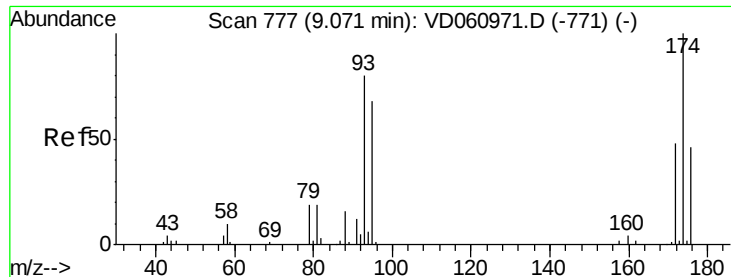
69 76.1 59.9 89.9

39 53.0 40.9 61.3



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: 990.116 ug/l

RT: 9.07 min Scan# 777

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :
MSVOA_D
ClientSampled :

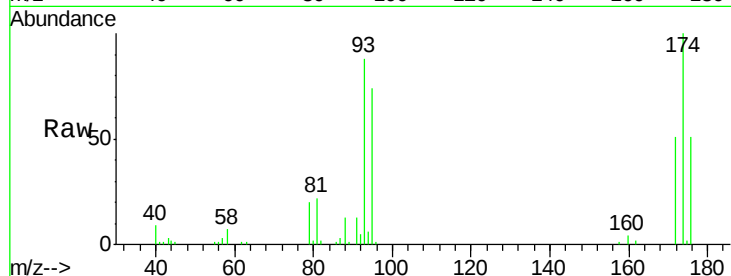
Tot Ion: 88 Resp: 34304

Ion Ratio Lower Upper

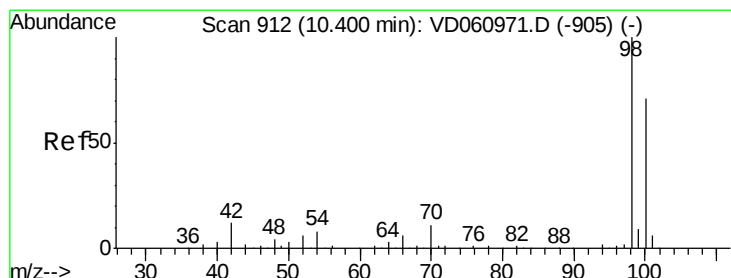
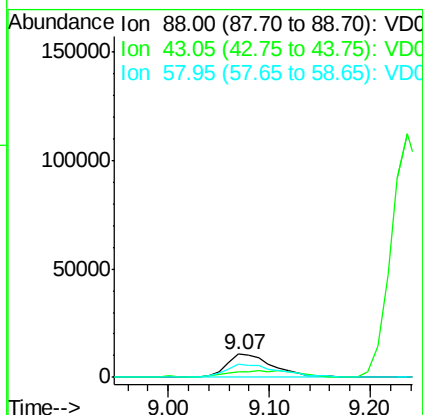
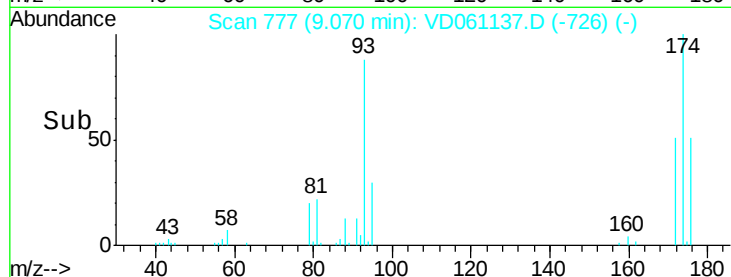
88 100

43 26.4 21.0 31.6

58 58.0 48.6 72.8



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: 990.116 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061137.D

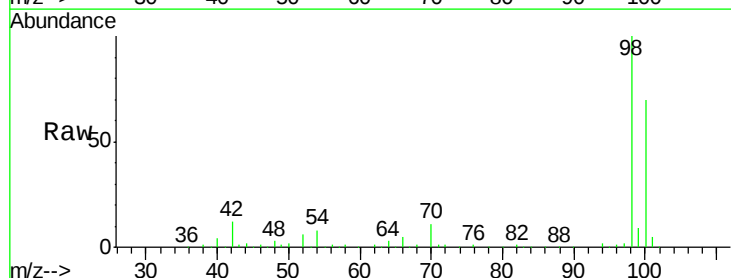
Acq: 18 Mar 2019 11:04

Tgt Ion: 98 Resp: 1038474

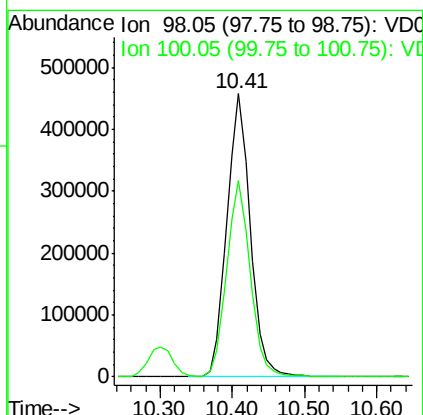
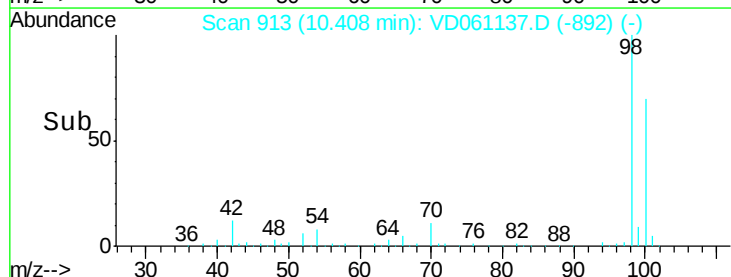
Ion Ratio Lower Upper

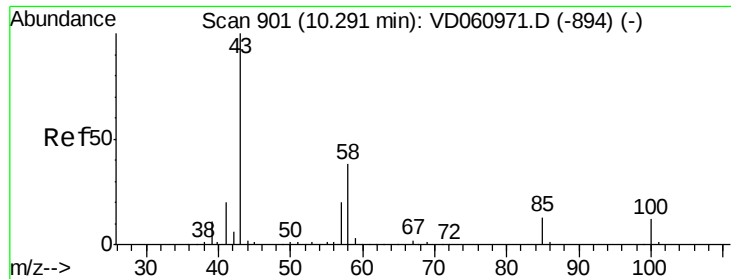
98 100

100 69.5 57.4 86.2



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: 236.051 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

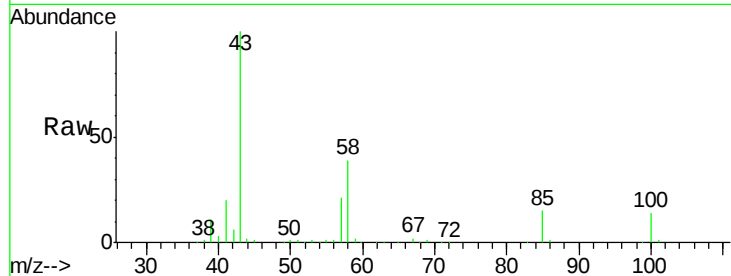
ClientSampled :

Tot Ion: 43 Resp: 880025

Ion Ratio Lower Upper

43 100

58 38.7 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

400000

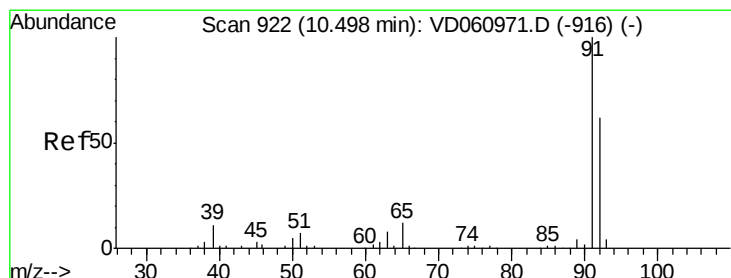
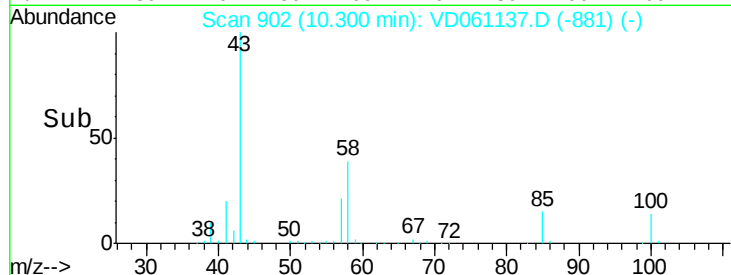
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.529 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD061137.D

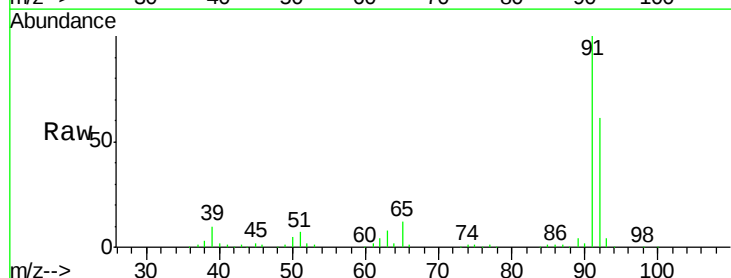
Acq: 18 Mar 2019 11:04

Tgt Ion: 92 Resp: 764212

Ion Ratio Lower Upper

92 100

91 164.3 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

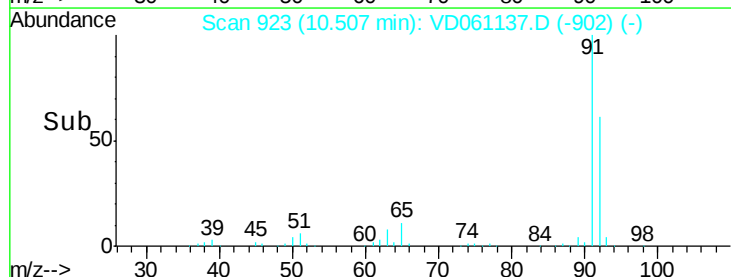
300000

200000

100000

0

Time-->

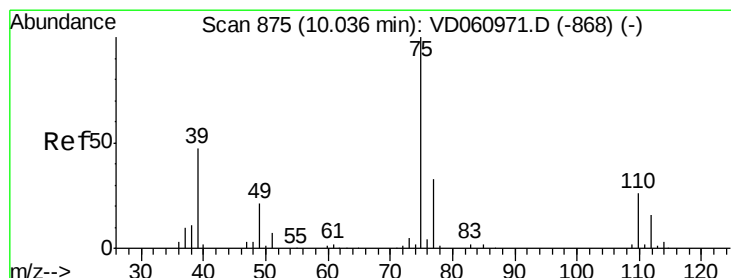
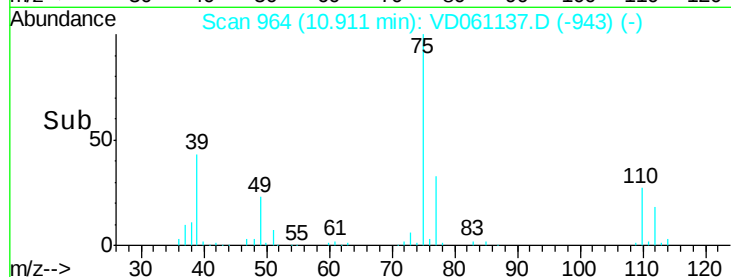
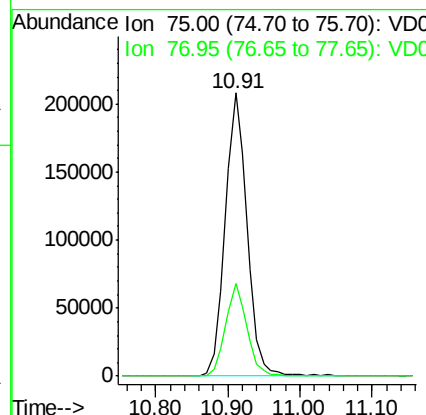
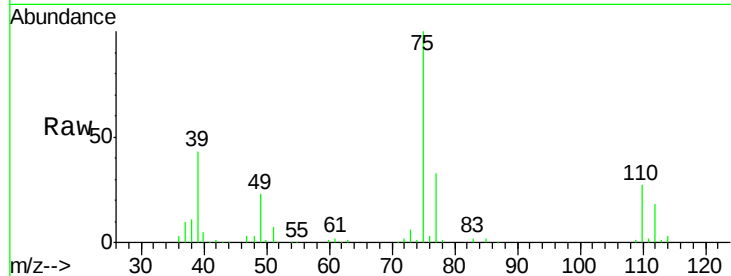




#53
 t-1,3-Dichloropropene
 Concen: 53.966 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

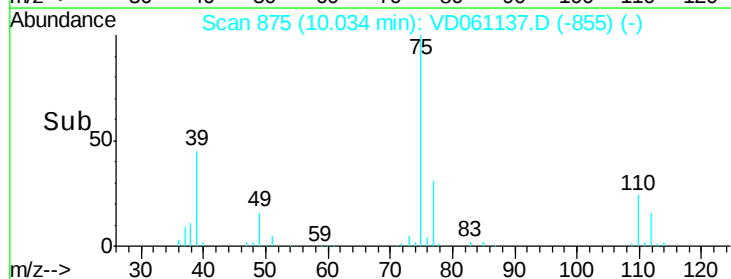
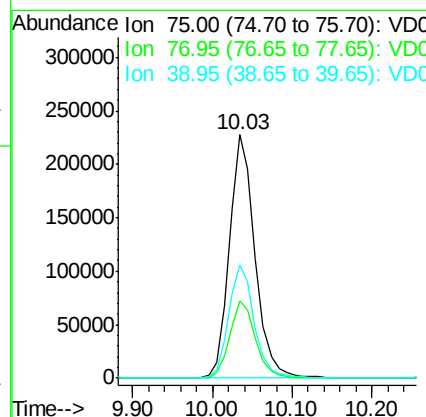
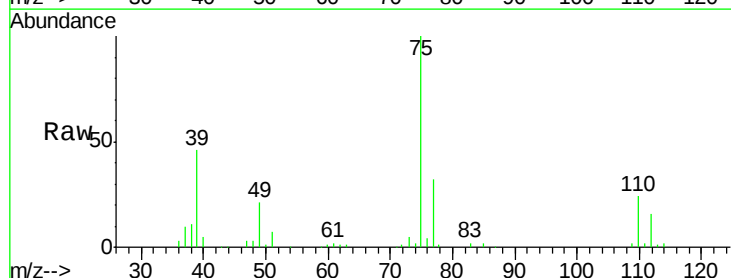
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 434165
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 53.102 ug/l
 RT: 10.03 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Tgt Ion: 75 Resp: 513308
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.2 39.4
 39 46.3 37.8 56.8



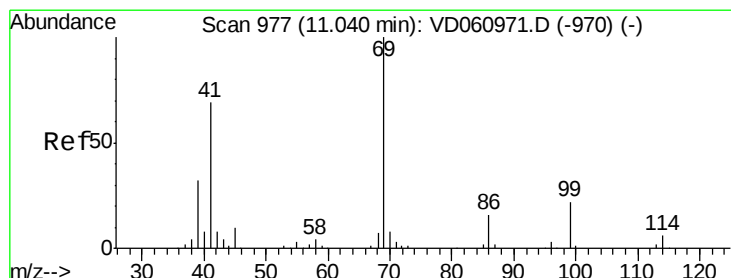
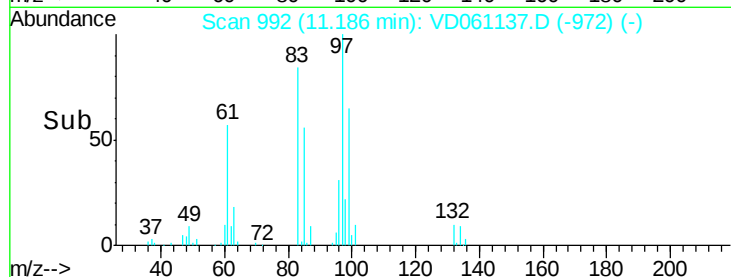
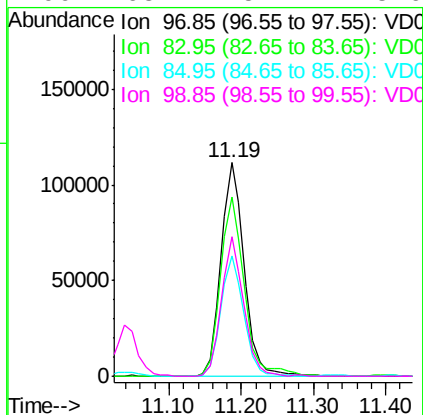
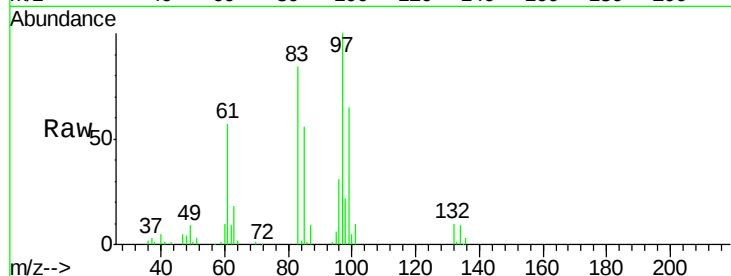


#55
 1,1,2-Trichloroethane
 Concen: 50.999 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 247084

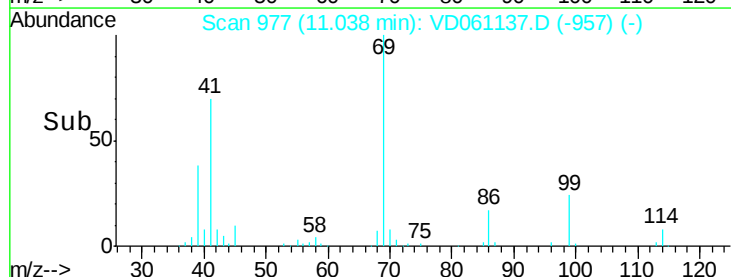
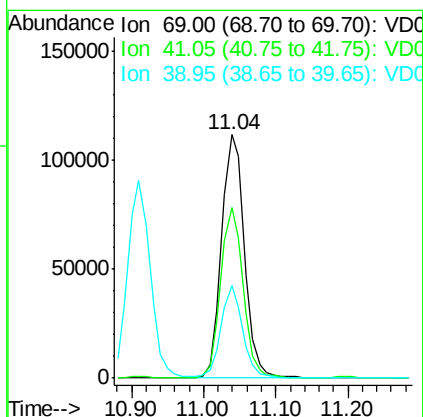
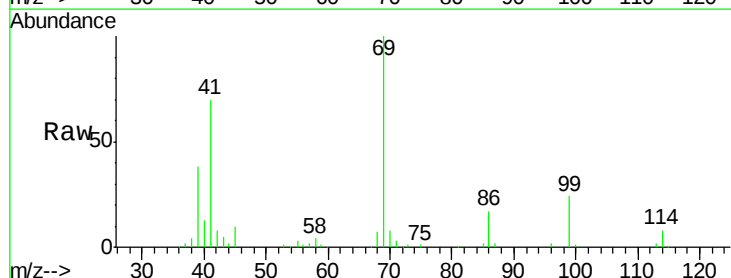
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.6	100.0
85	56.3	46.4	69.6
99	65.4	52.4	78.6

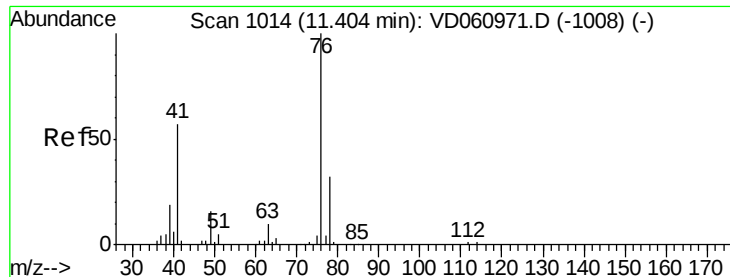


#56
 Ethyl methacrylate
 Concen: 48.336 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Tgt Ion: 69 Resp: 245124

Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.5	83.3
39	38.1	26.2	39.2

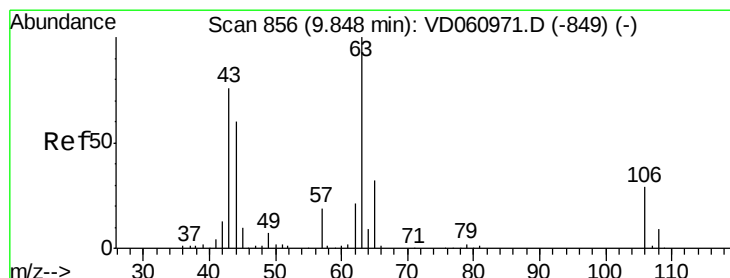
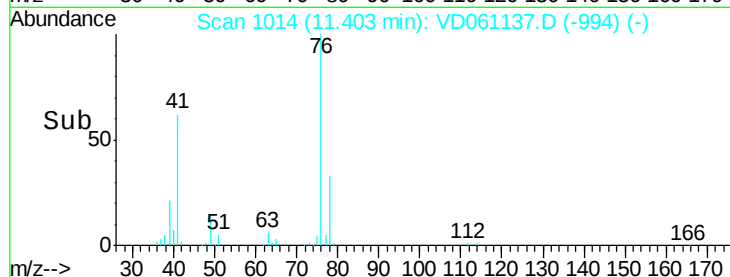
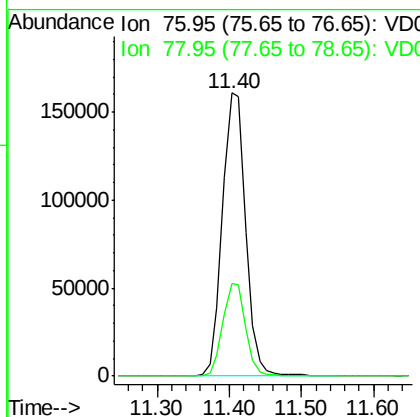
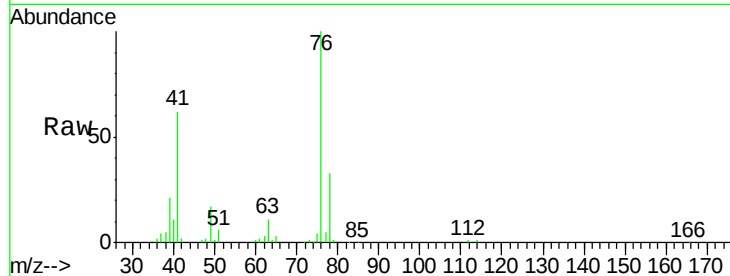




#57
 1,3-Dichloropropane
 Concen: 49.587 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

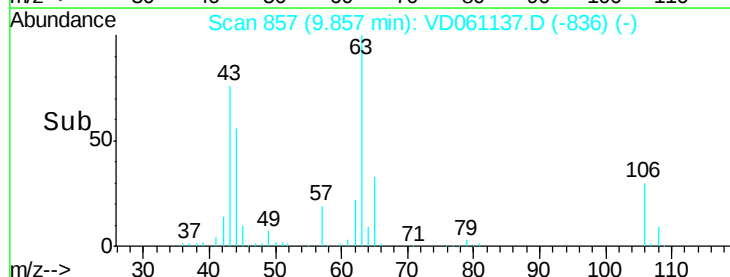
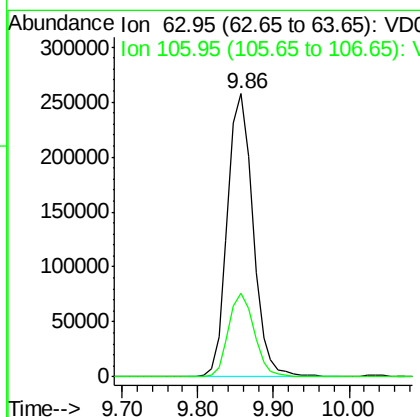
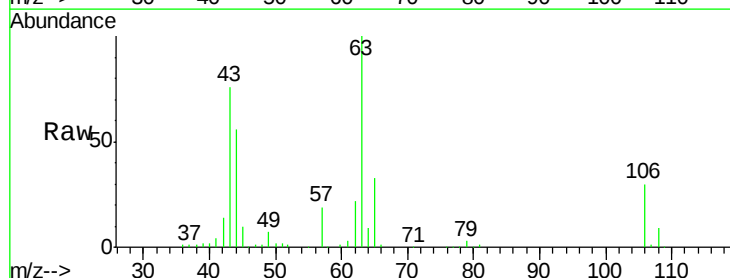
Instrument :
 MSVOA_D
 ClientSampleId :

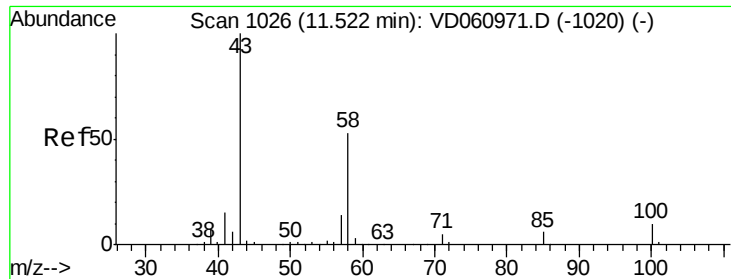
Tot Ion: 76 Resp: 359016
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 225.551 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Tgt Ion: 63 Resp: 605450
 Ion Ratio Lower Upper
 63 100
 106 29.6 22.8 34.2

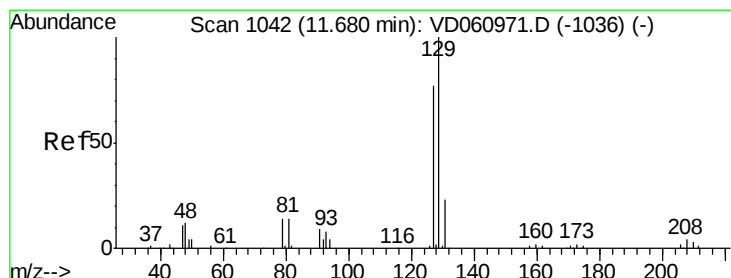
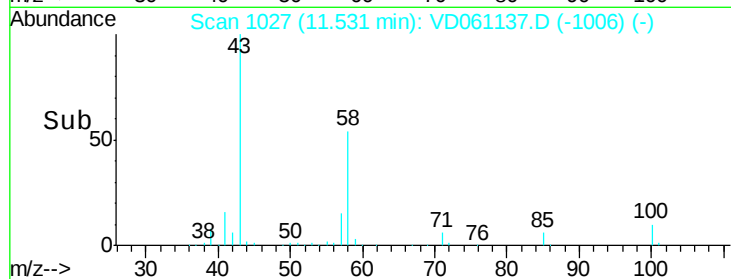
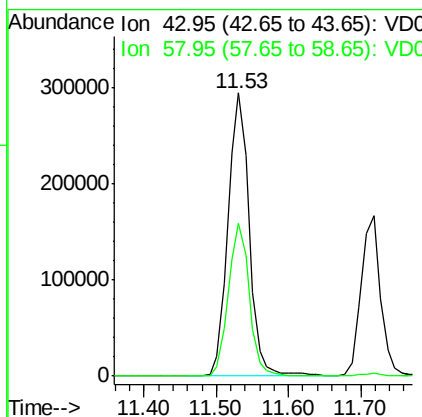
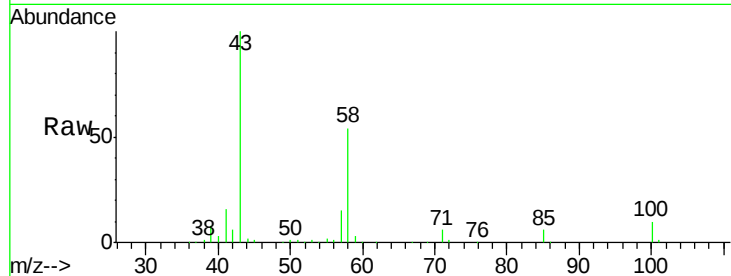




#59
2-Hexanone
Concen: 221.792 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

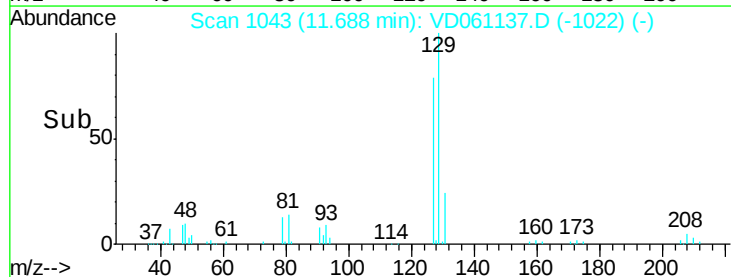
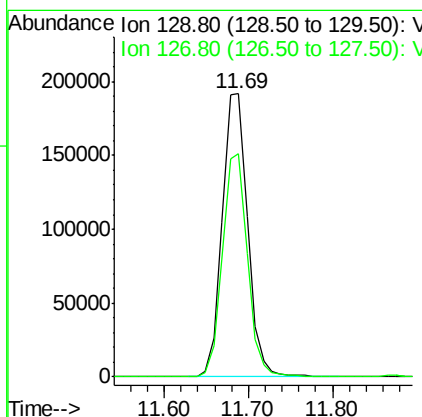
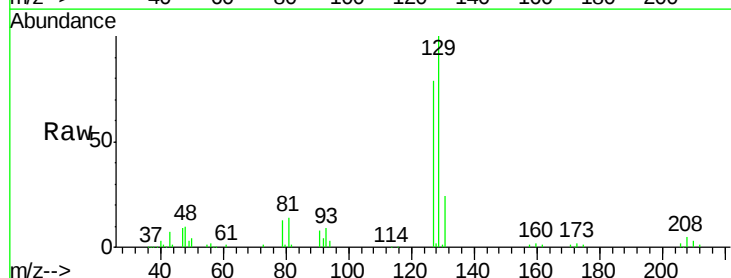
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 604847
Ion Ratio Lower Upper
43 100
58 54.0 26.5 79.5



#60
Dibromochloromethane
Concen: 56.527 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Tgt Ion:129 Resp: 403057
Ion Ratio Lower Upper
129 100
127 78.8 38.3 114.9

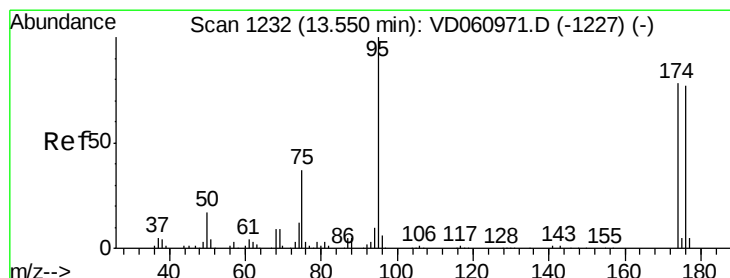
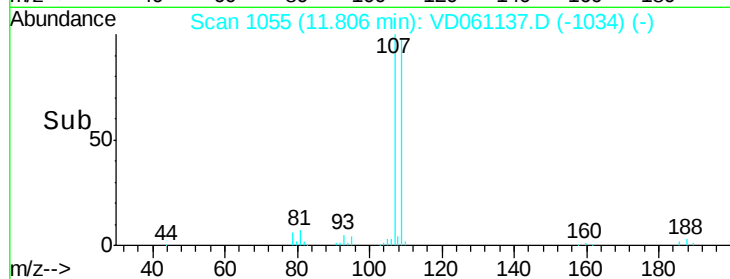
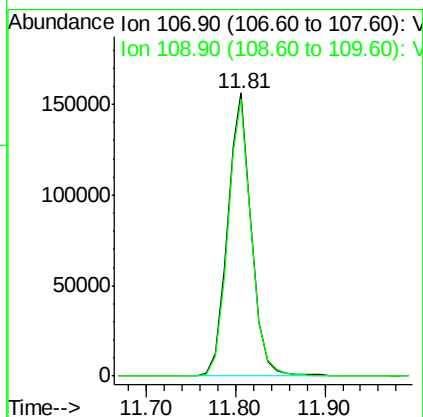
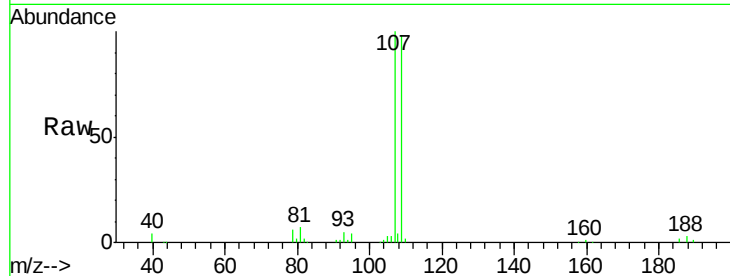




#61
1,2-Dibromoethane
Concen: 51.577 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

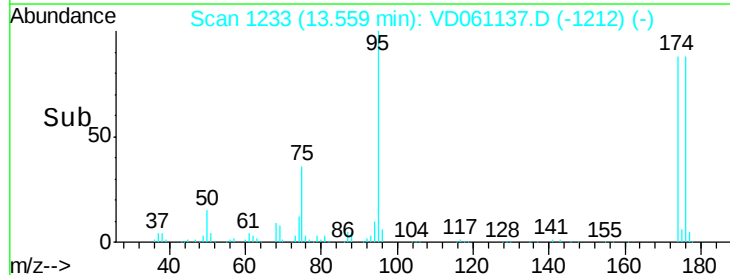
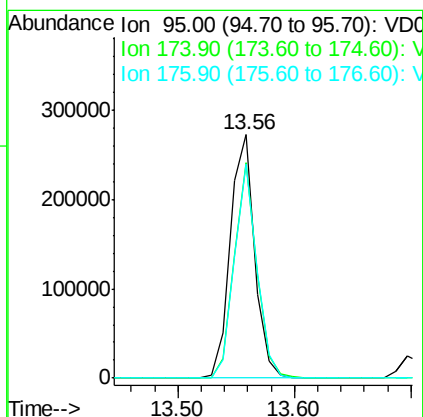
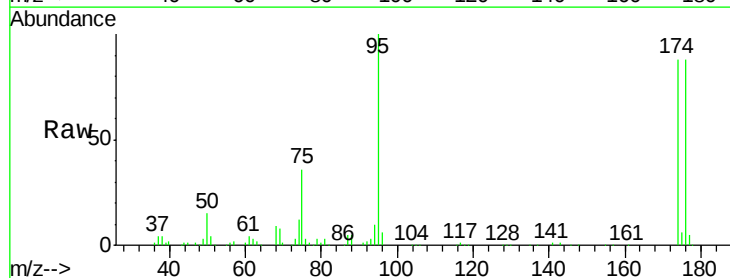
Instrument :
MSVOA_D
ClientSampleId :

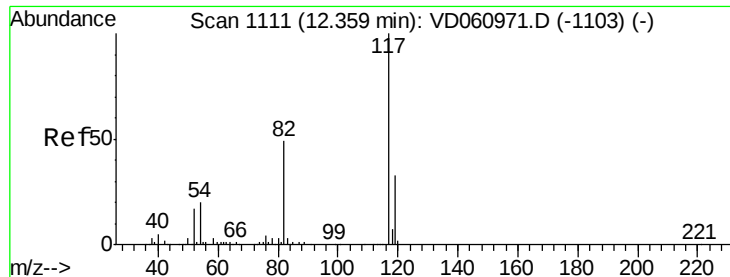
Tot Ion:107 Resp: 290691
Ion Ratio Lower Upper
107 100
109 97.7 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 51.577 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Tgt Ion: 95 Resp: 393529
Ion Ratio Lower Upper
95 100
174 88.3 0.0 155.6
176 87.9 0.0 153.8

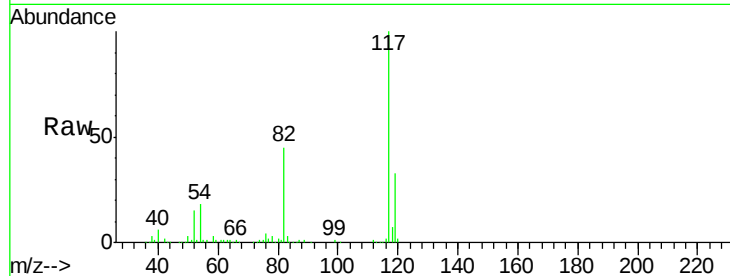




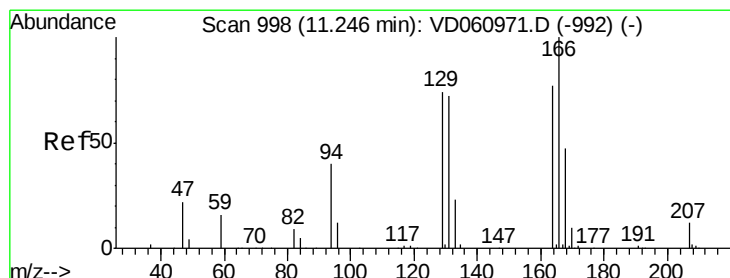
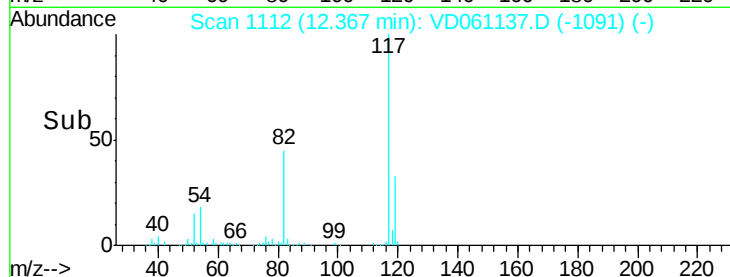
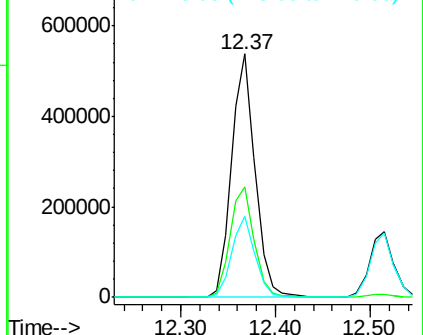
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 921393
Ion Ratio Lower Upper
117 100
82 45.2 38.9 58.3
119 33.3 26.6 39.8

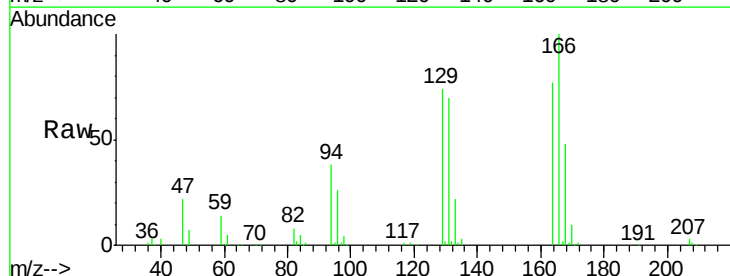


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

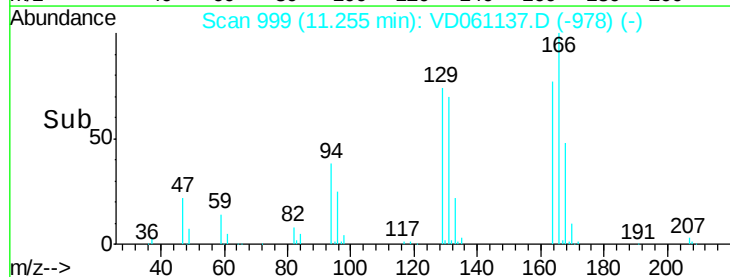
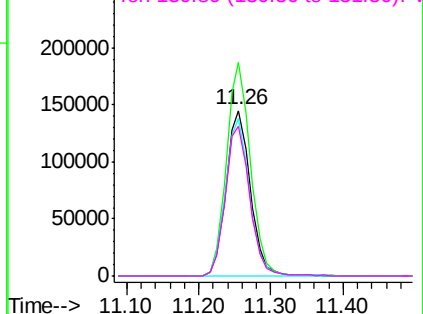


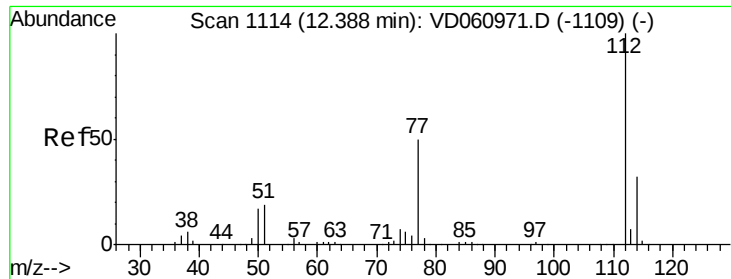
#64
Tetrachloroethene
Concen: 54.407 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Tgt Ion:164 Resp: 338403
Ion Ratio Lower Upper
164 100
166 129.4 103.4 155.0
129 95.7 76.9 115.3
131 90.9 74.4 111.6



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: 52.283 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

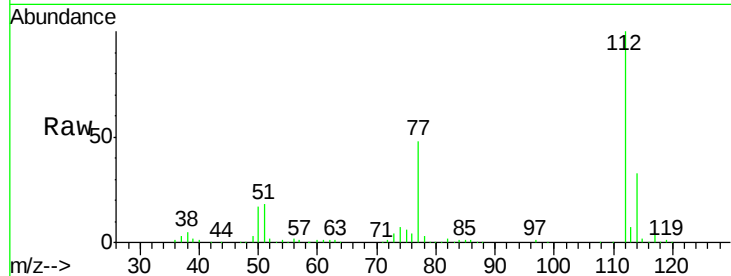
ClientSampleId :

Tot Ion:112 Resp: 944394

Ion Ratio Lower Upper

112 100

114 32.7 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

12.40

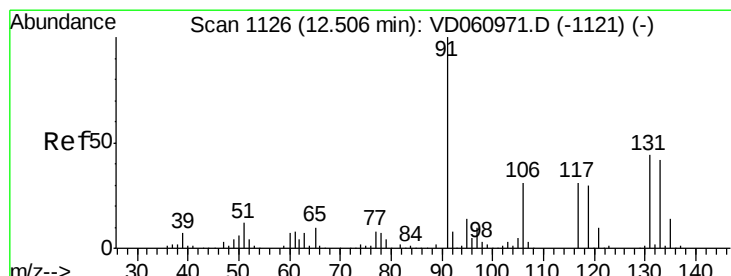
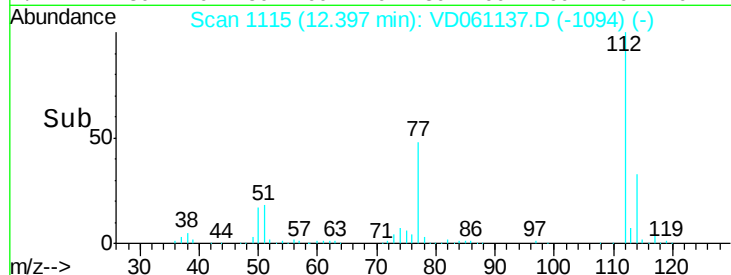
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 56.049 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

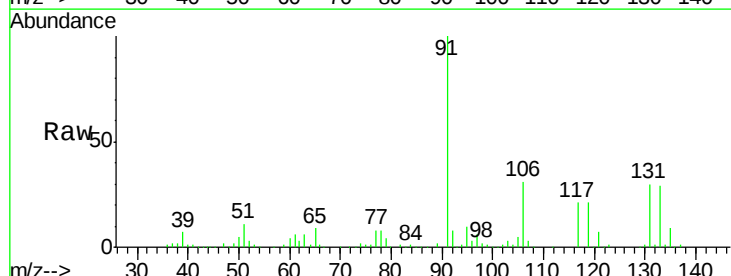
Tgt Ion:131 Resp: 360881

Ion Ratio Lower Upper

131 100

133 97.0 47.8 143.3

119 68.9 34.3 102.9



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

12.52

250000

200000

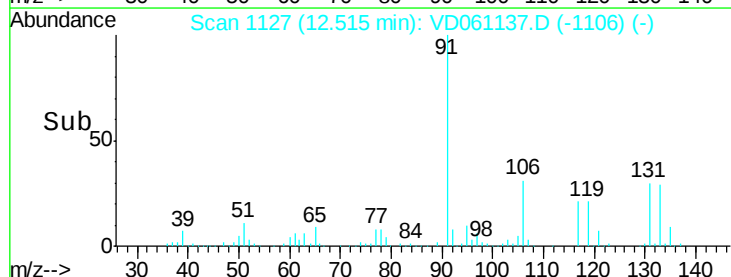
150000

100000

50000

0

Time-->

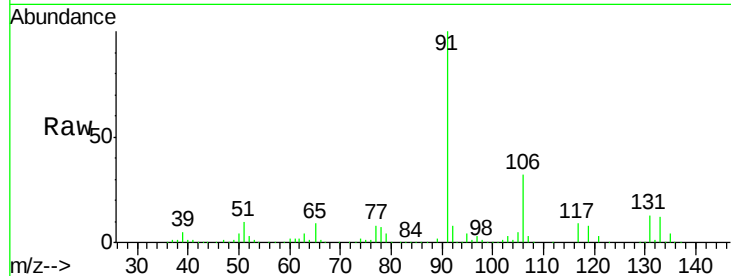




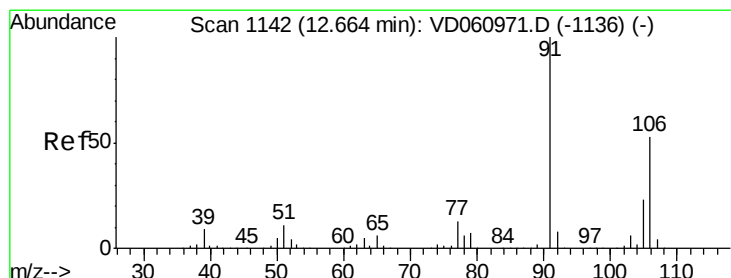
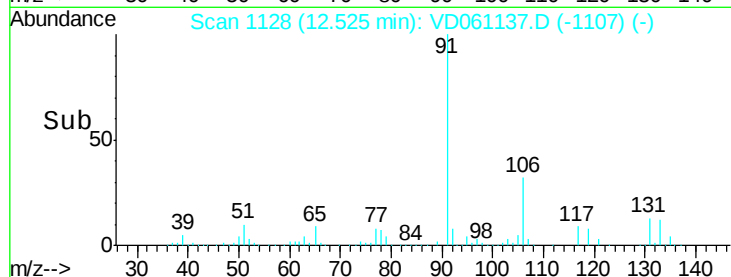
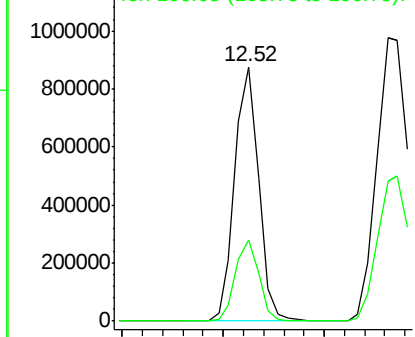
#67
Ethyl Benzene
Concen: 53.857 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1448315
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5

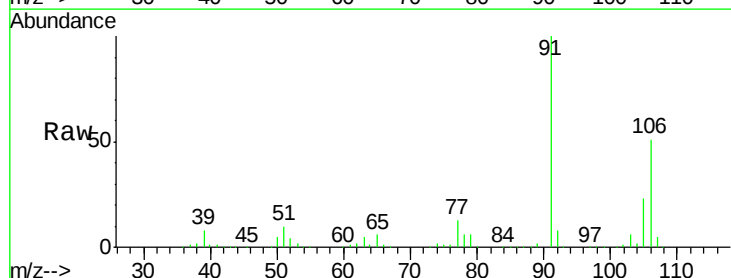


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V

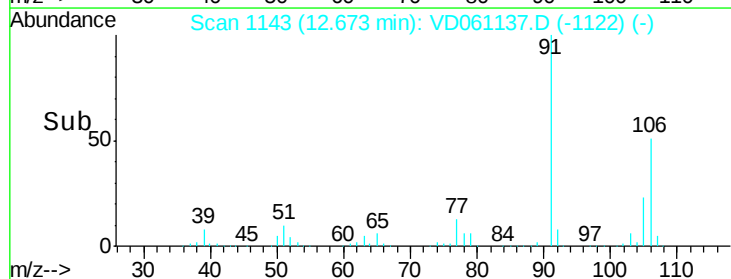
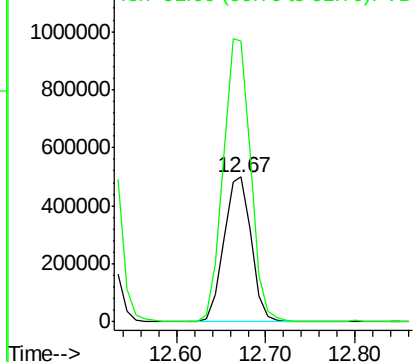


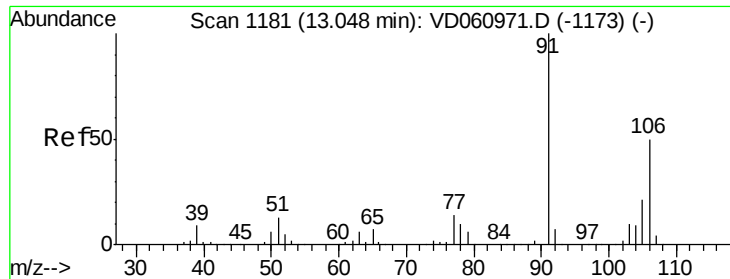
#68
m/p-Xylenes
Concen: 102.360 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Tgt Ion: 106 Resp: 1080390
Ion Ratio Lower Upper
106 100
91 194.2 152.0 228.0



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

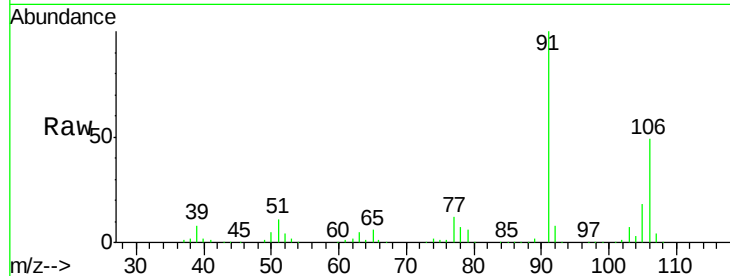




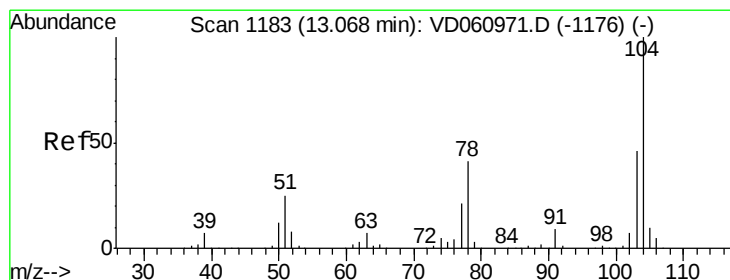
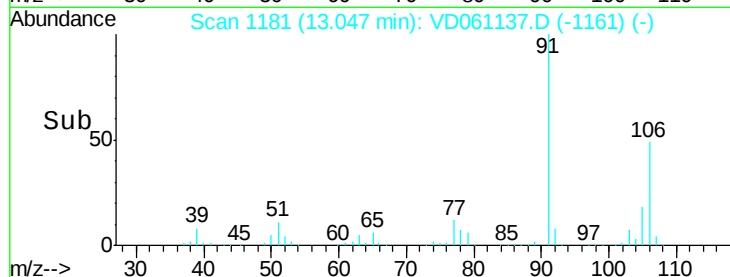
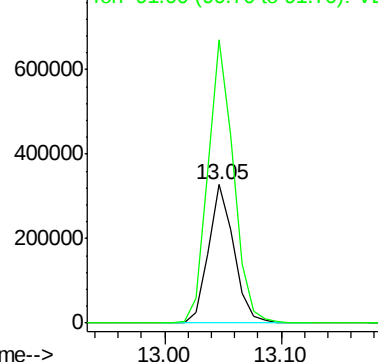
#69
o-Xylene
Concen: 47.632 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 494179
Ion Ratio Lower Upper
106 100
91 204.3 99.8 299.3

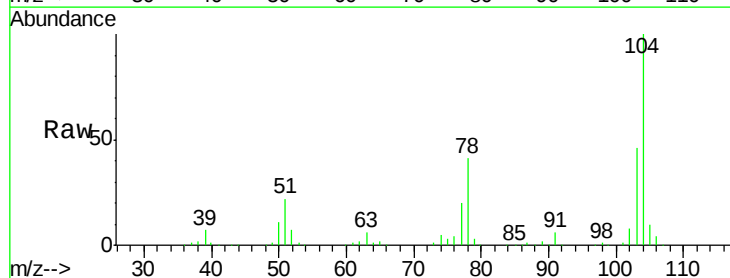


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

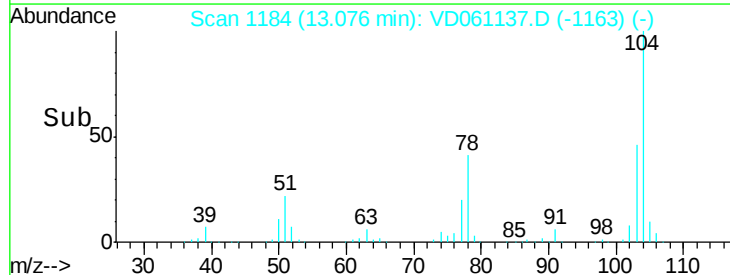
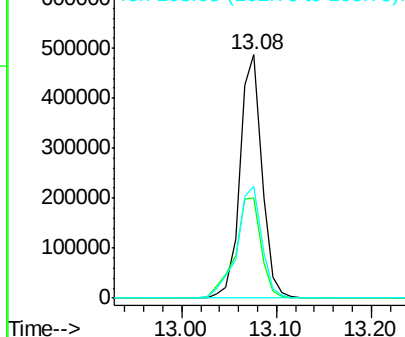


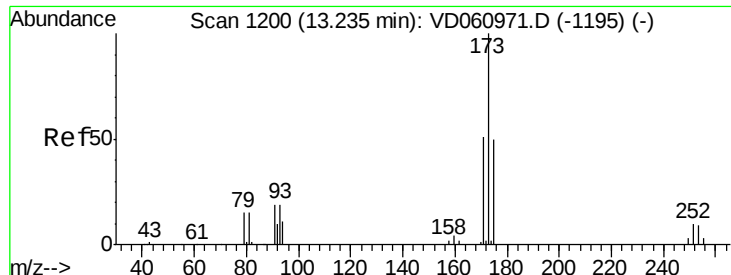
#70
Styrene
Concen: 46.102 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Tgt Ion:104 Resp: 781033
Ion Ratio Lower Upper
104 100
78 41.0 33.0 49.4
103 45.8 37.1 55.7



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: 53.249 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

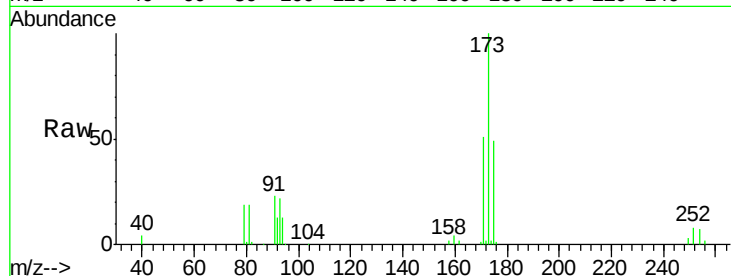
Tot Ion:173 Resp: 221175

Ion Ratio Lower Upper

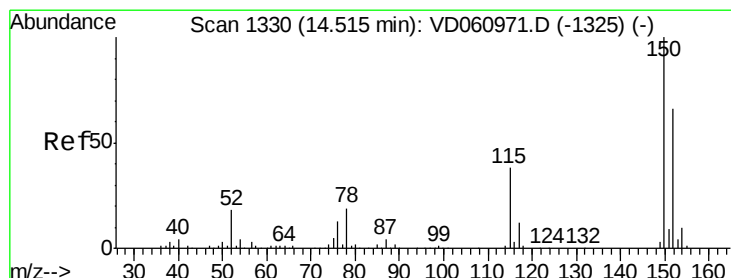
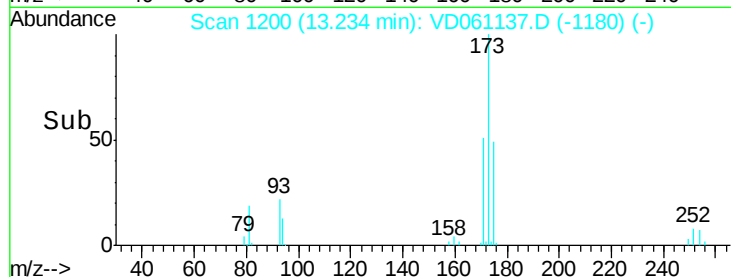
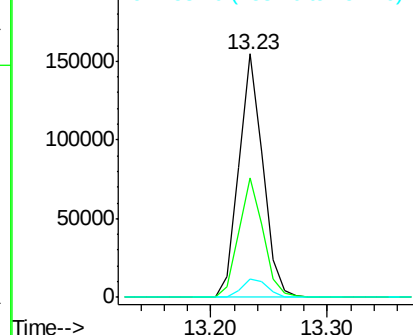
173 100

175 49.2 24.9 74.8

254 7.5 7.3 10.9



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

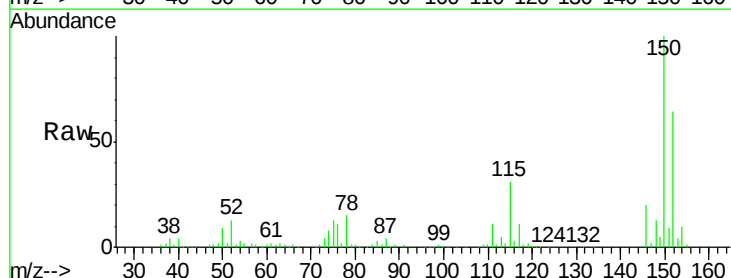
Tgt Ion:152 Resp: 418629

Ion Ratio Lower Upper

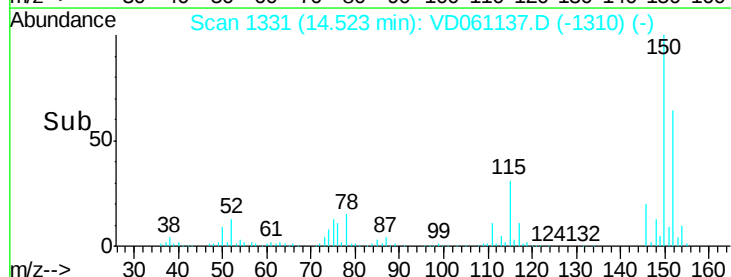
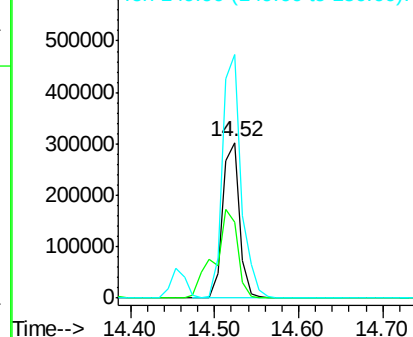
152 100

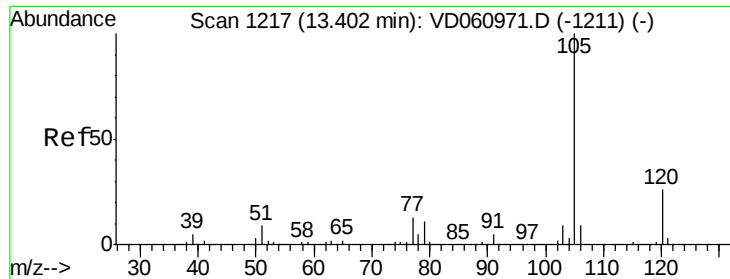
115 49.1 28.6 85.9

150 156.5 0.0 310.6



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

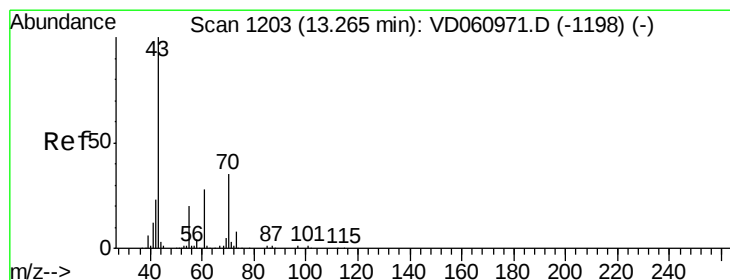
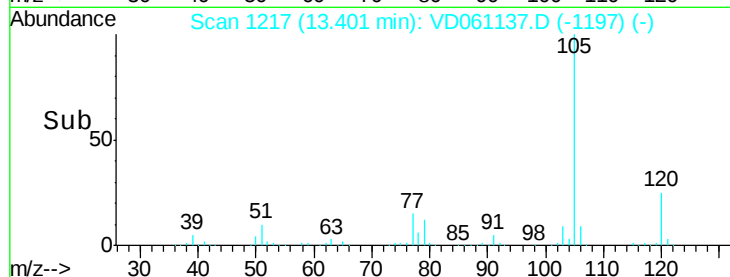
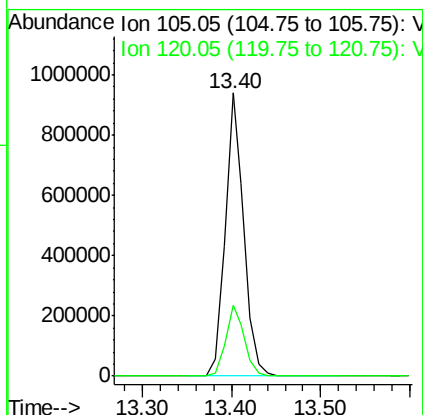
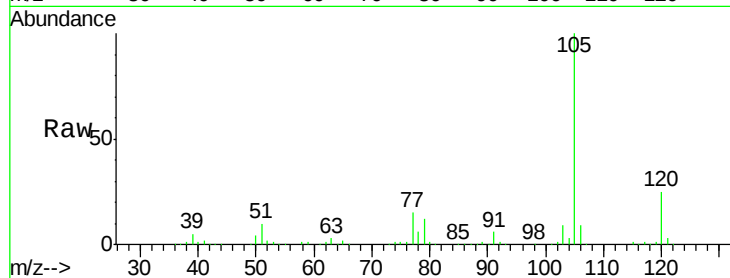




#73
Isopropylbenzene
Concen: 45.331 ug/l
RT: 13.40 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

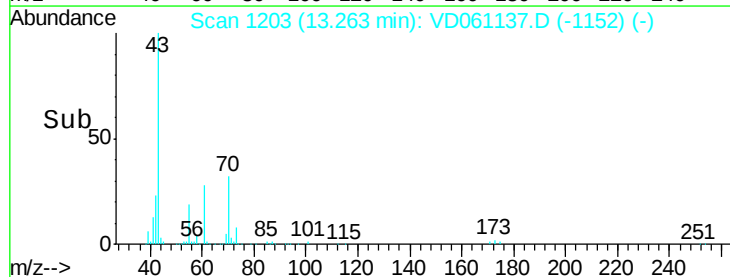
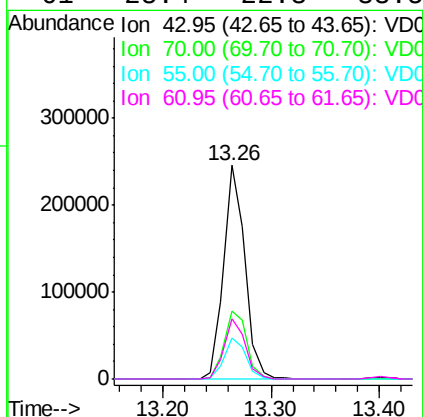
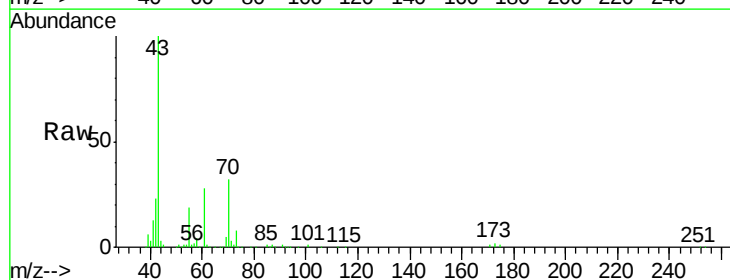
Instrument :
MSVOA_D
ClientSampleId :

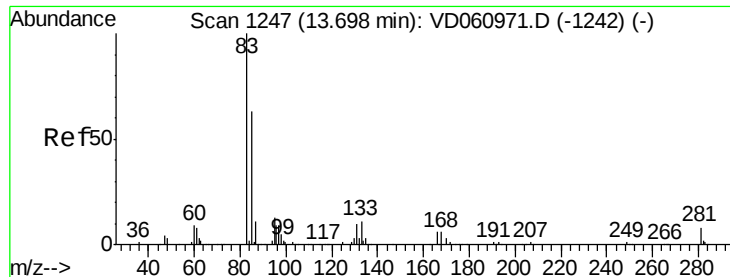
Tot Ion:105 Resp: 1367611
Ion Ratio Lower Upper
105 100
120 25.2 12.8 38.4



#74
N-ethyl acetate
Concen: 39.521 ug/l
RT: 13.26 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Tgt Ion: 43 Resp: 335731
Ion Ratio Lower Upper
43 100
70 31.7 27.7 41.5
55 19.4 16.2 24.2
61 28.4 22.3 33.5





#75

1,1,2,2-Tetrachloroethane

Concen: 43.522 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

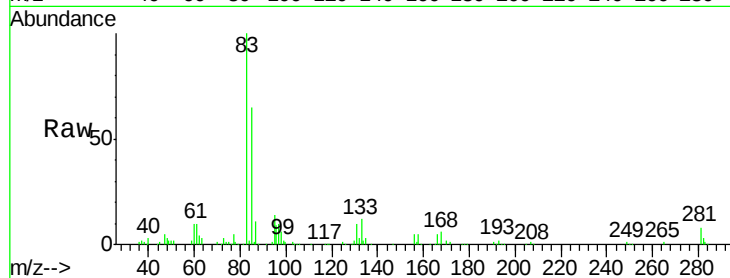
Tot Ion: 83 Resp: 256184

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.3

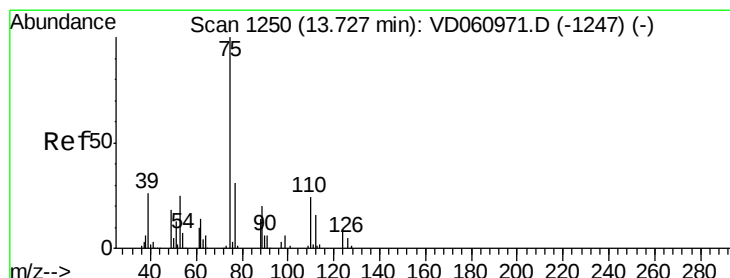
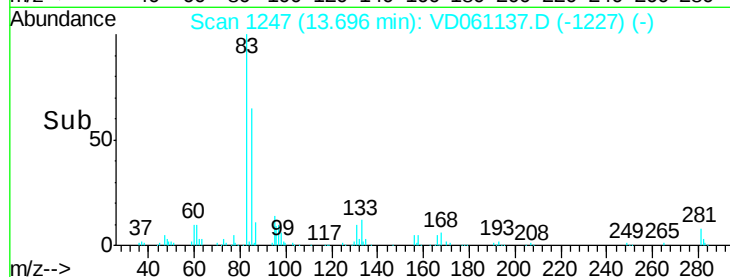
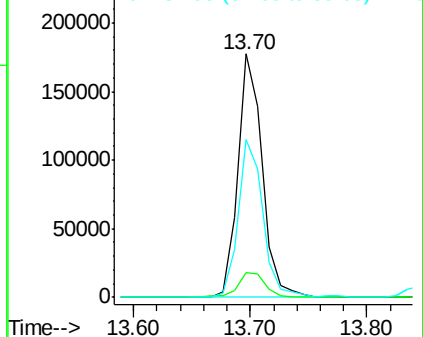
85 64.7 31.5 94.5



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: 45.118 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD061137.D

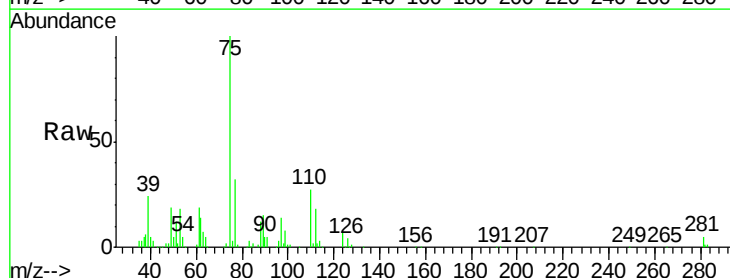
Acq: 18 Mar 2019 11:04

Tgt Ion: 75 Resp: 271731

Ion Ratio Lower Upper

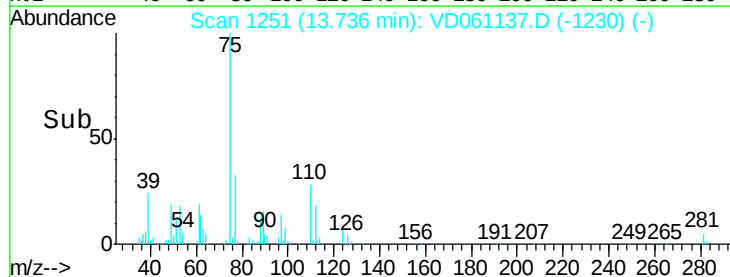
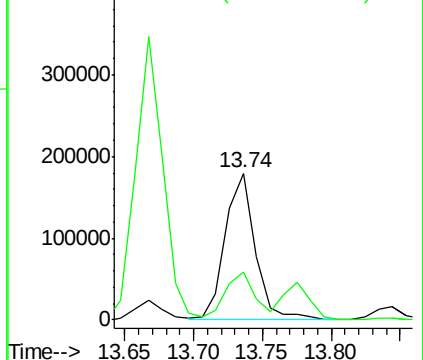
75 100

77 32.5 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.290 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

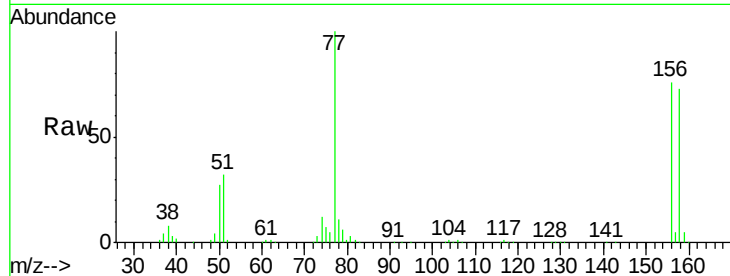
Tot Ion:156 Resp: 379604

Ion Ratio Lower Upper

156 100

77 131.7 55.5 166.7

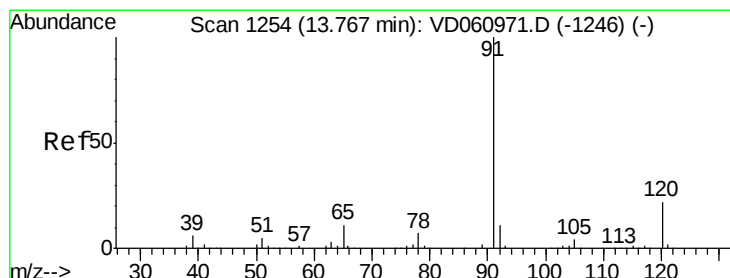
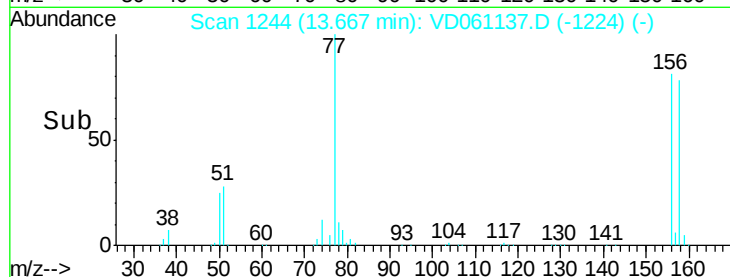
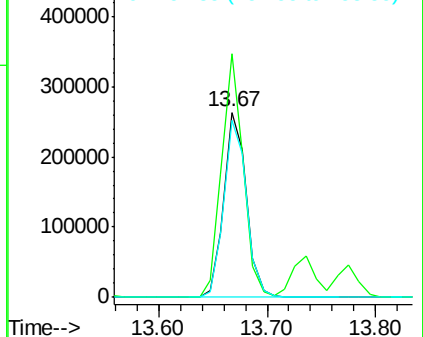
158 95.9 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.958 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061137.D

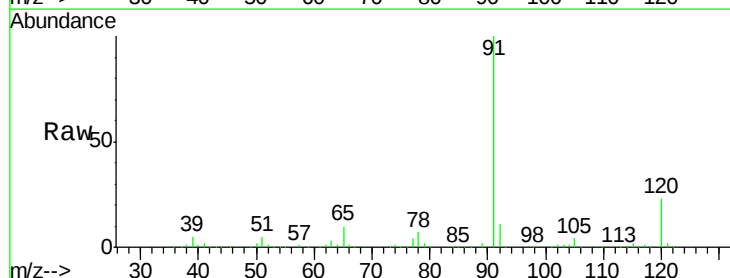
Acq: 18 Mar 2019 11:04

Tgt Ion: 91 Resp: 1764488

Ion Ratio Lower Upper

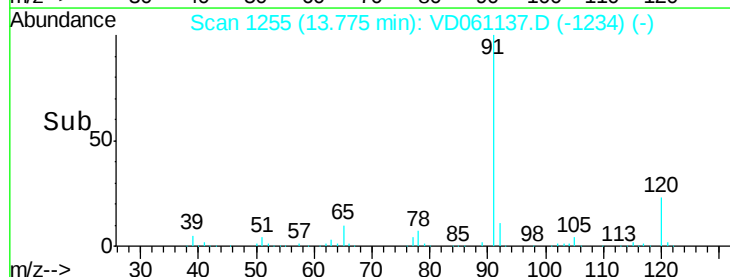
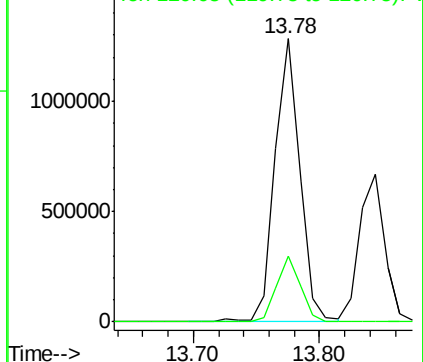
91 100

120 23.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

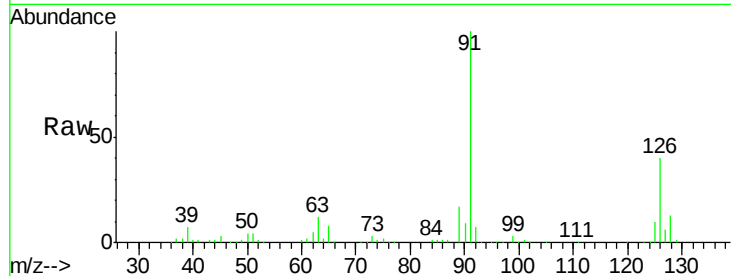




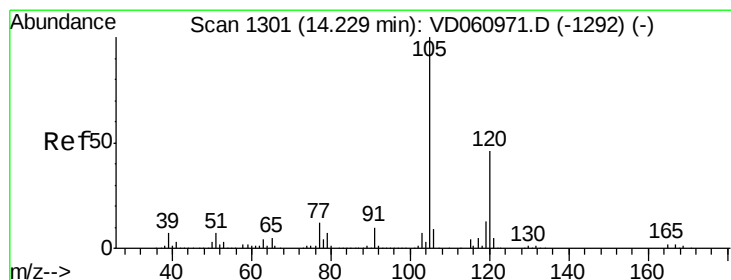
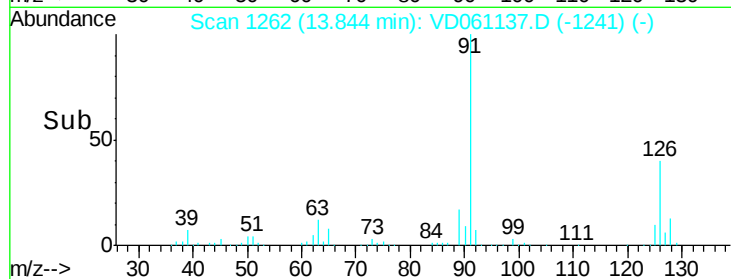
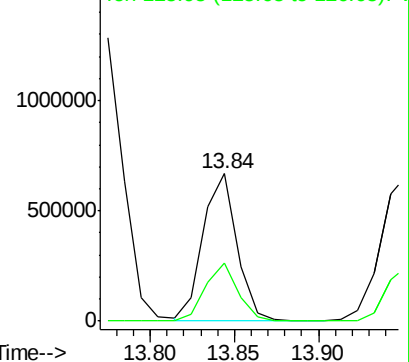
#79
 2-Chlorotoluene
 Concen: 47.992 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.01 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 933208
 Ion Ratio Lower Upper
 91 100
 126 39.8 18.6 55.6

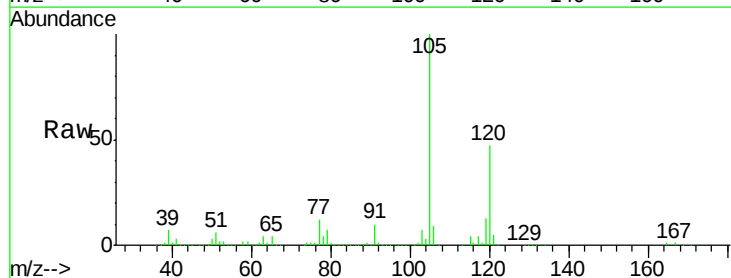


Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD060971.D (-1258) (-)

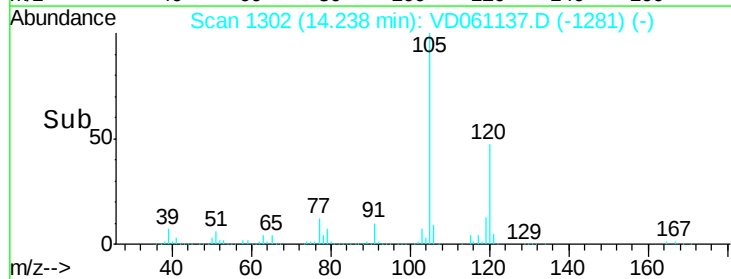
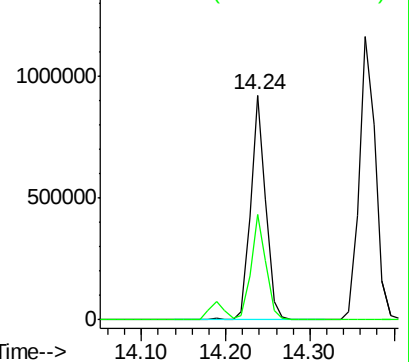


#80
 1,3,5-Trimethylbenzene
 Concen: 51.102 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Tgt Ion: 105 Resp: 1170439
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)
 Ion 120.05 (119.75 to 120.75): VD060971.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.311 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

ClientSampled :

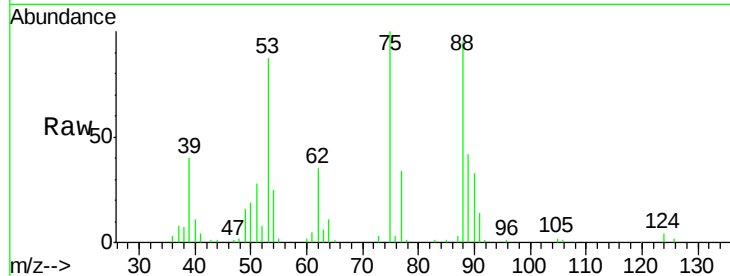
Tot Ion: 75 Resp: 87558

Ion Ratio Lower Upper

75 100

53 87.0 64.4 96.6

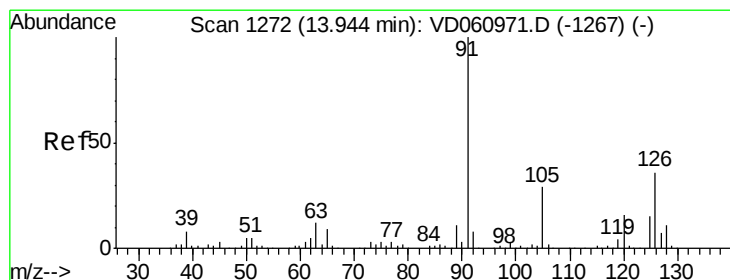
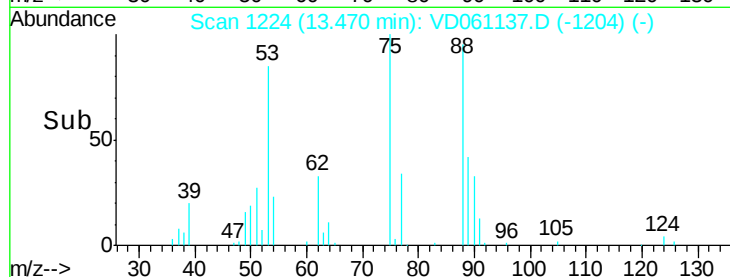
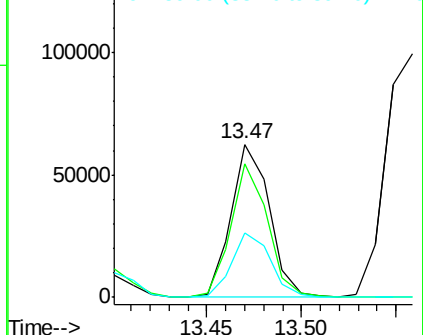
89 41.7 34.8 52.2



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: 44.471 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061137.D

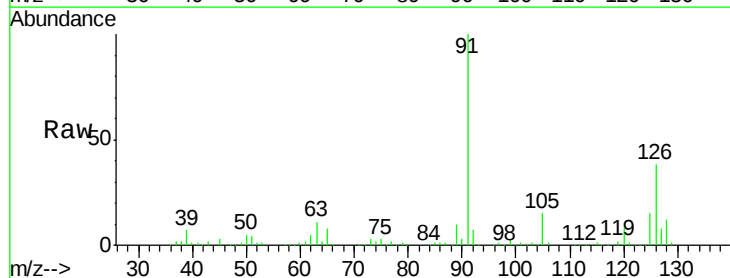
Acq: 18 Mar 2019 11:04

Tgt Ion: 91 Resp: 1022279

Ion Ratio Lower Upper

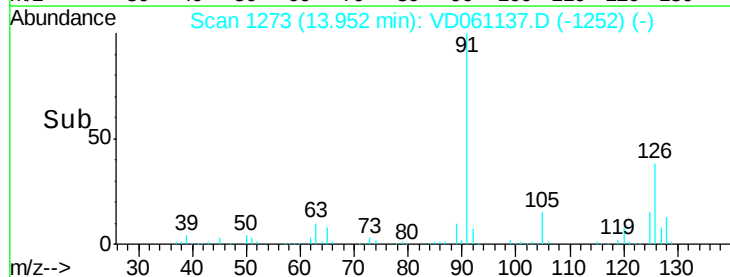
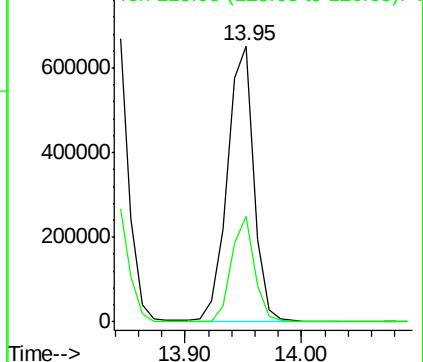
91 100

126 38.1 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 53.281 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

ClientSampled :

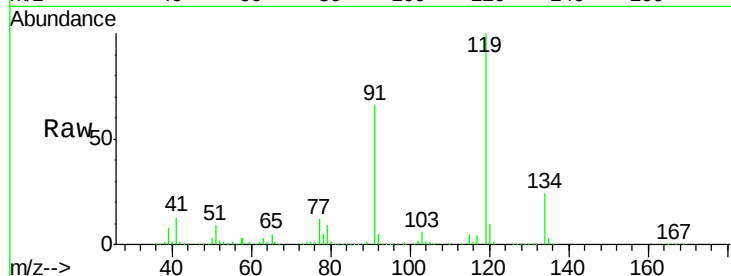
Tot Ion:119 Resp: 133516

Ion Ratio Lower Upper

119 100

91 65.5 30.1 90.3

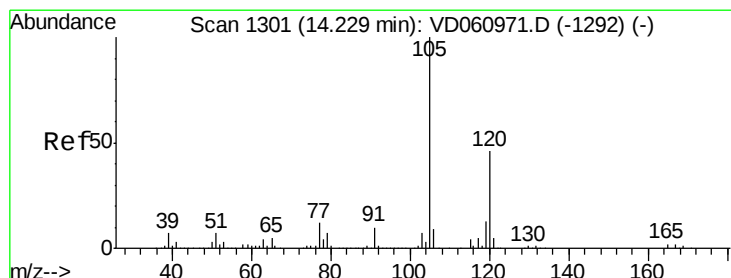
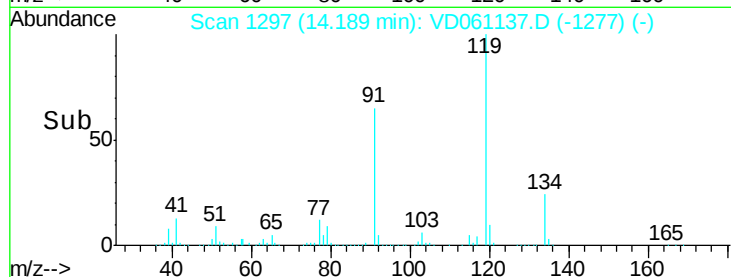
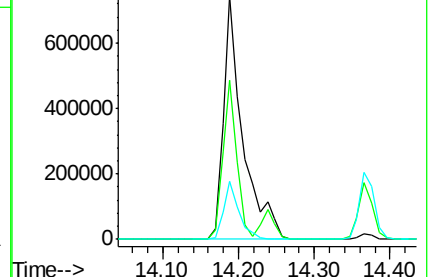
134 24.0 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.102 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD061137.D

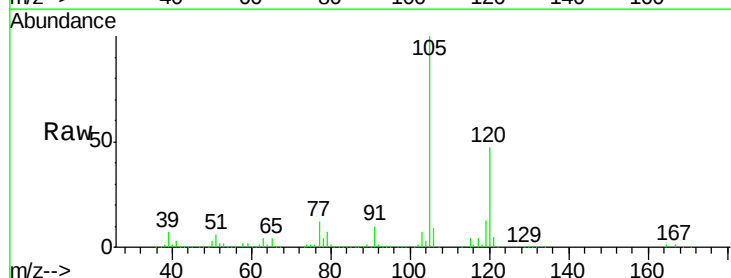
Acq: 18 Mar 2019 11:04

Tgt Ion:105 Resp: 1170439

Ion Ratio Lower Upper

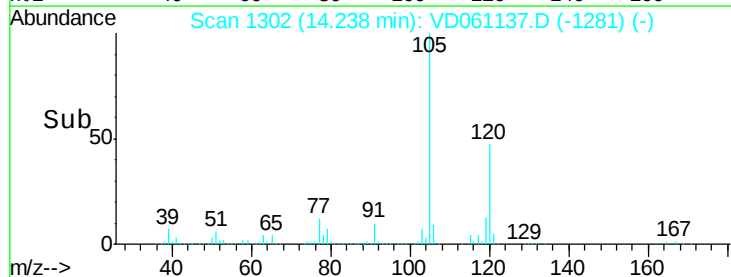
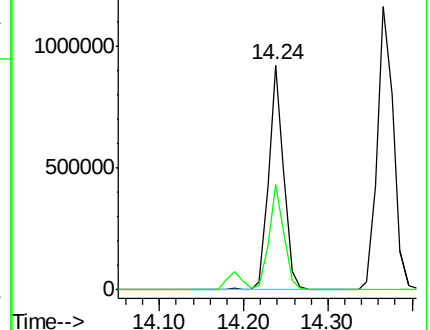
105 100

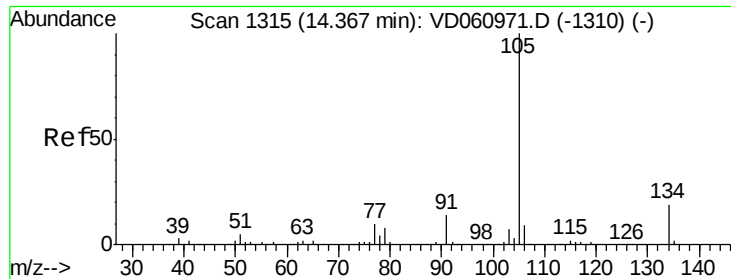
120 46.7 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 50.238 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

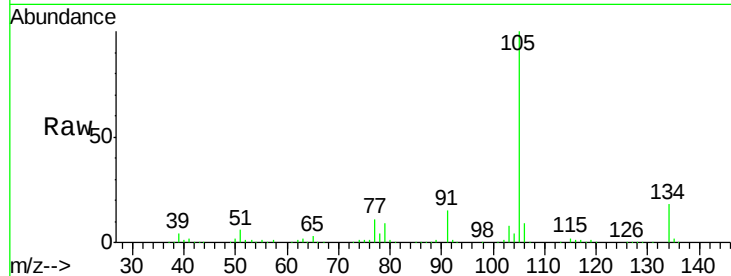
ClientSampleId :

Tot Ion:105 Resp: 1537280

Ion Ratio Lower Upper

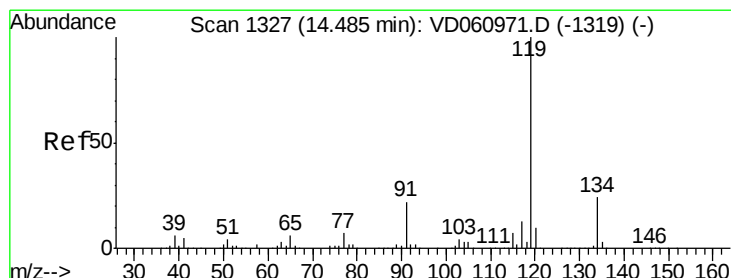
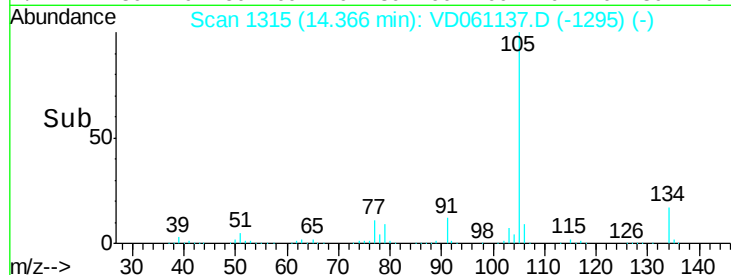
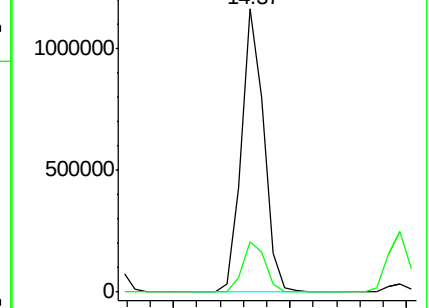
105 100

134 17.6 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 51.874 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

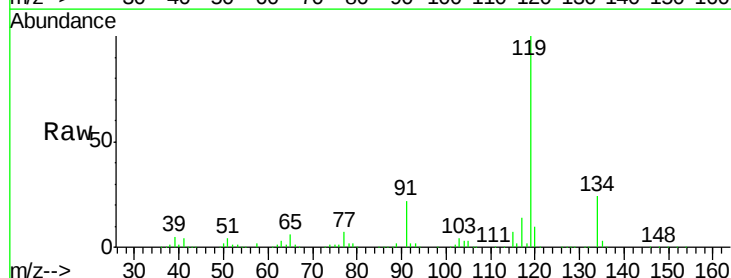
Tgt Ion:119 Resp: 1297501

Ion Ratio Lower Upper

119 100

134 24.5 12.0 36.1

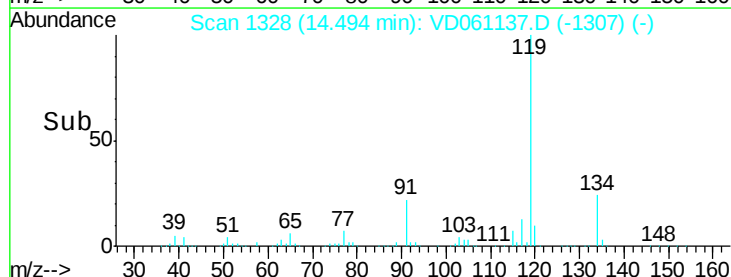
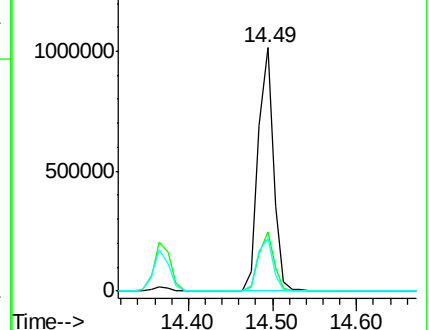
91 21.9 11.2 33.6

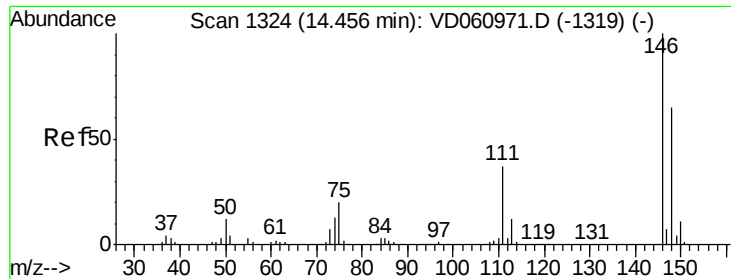


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

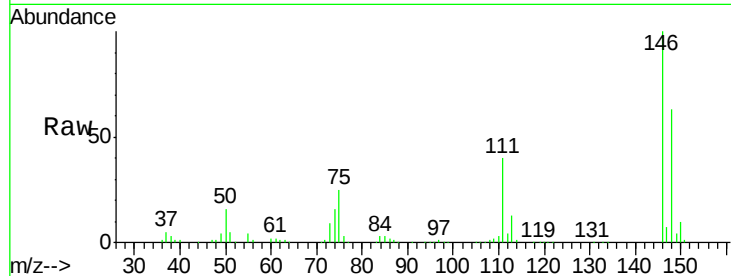




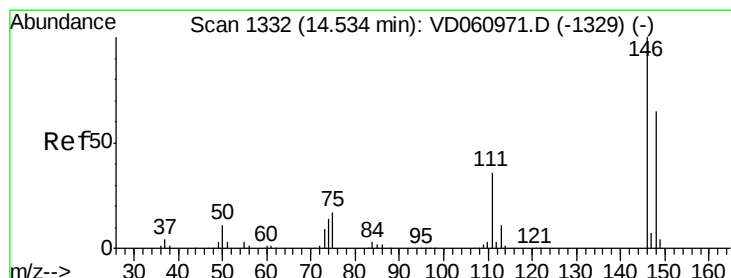
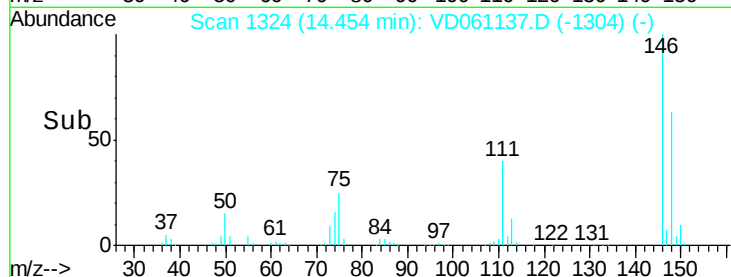
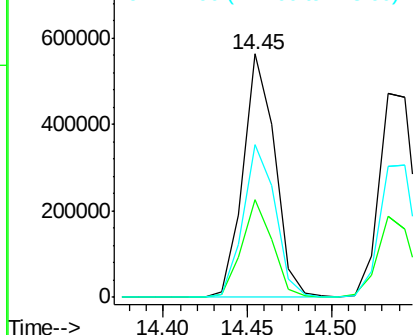
#87
 1,3-Dichlorobenzene
 Concen: 53.687 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 738313
 Ion Ratio Lower Upper
 146 100
 111 40.0 18.4 55.4
 148 62.9 32.5 97.4

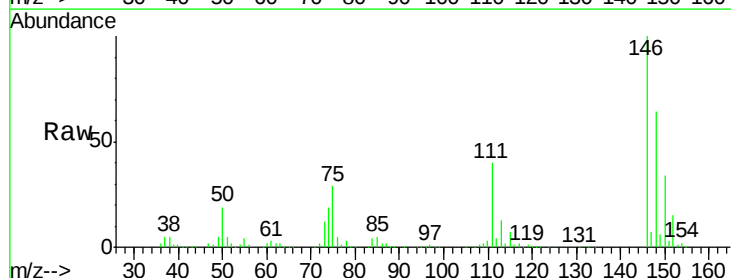


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

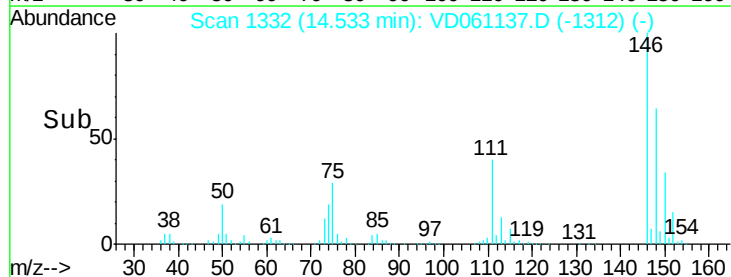
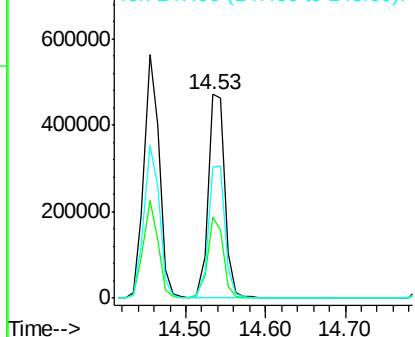


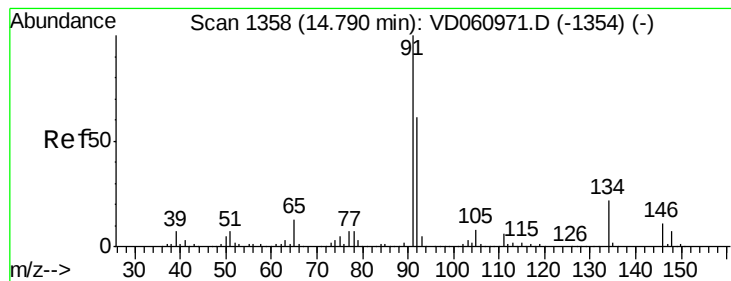
#88
 1,4-Dichlorobenzene
 Concen: 50.862 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Tgt Ion:146 Resp: 687343
 Ion Ratio Lower Upper
 146 100
 111 40.1 18.4 55.2
 148 64.5 32.5 97.5



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





#89

n-Butylbenzene

Concen: 45.951 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061137.D

Acq: 18 Mar 2019 11:04

Instrument :

MSVOA_D

ClientSampleId :

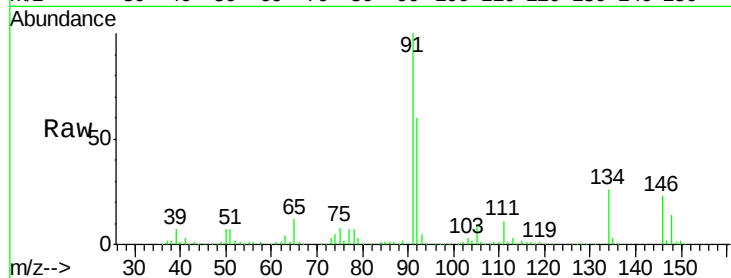
Tot Ion: 91 Resp: 1103739

Ion Ratio Lower Upper

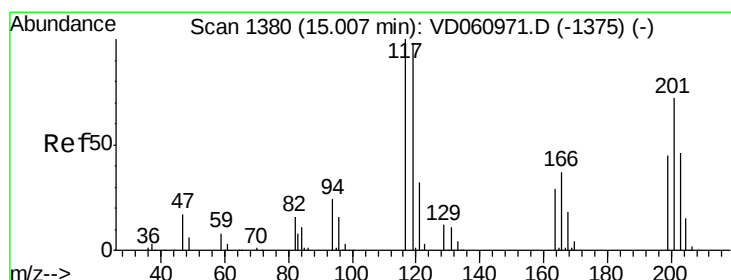
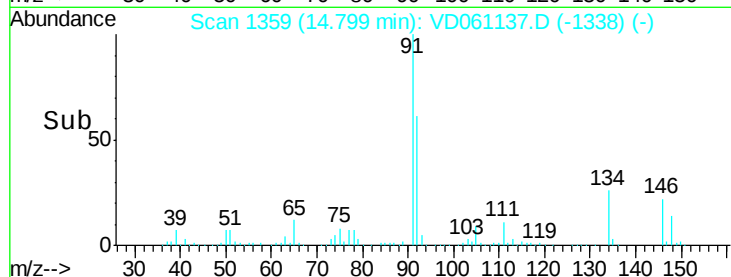
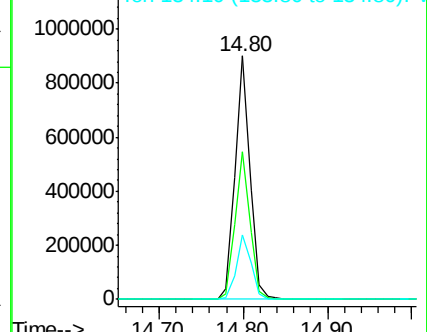
91 100

92 60.5 30.6 91.8

134 26.3 11.0 33.0



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



#90

Hexachloroethane

Concen: 51.479 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD061137.D

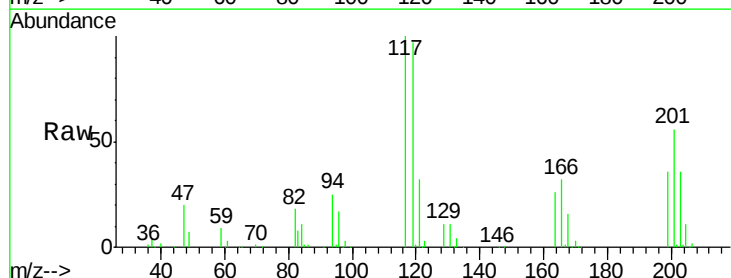
Acq: 18 Mar 2019 11:04

Tgt Ion: 117 Resp: 363590

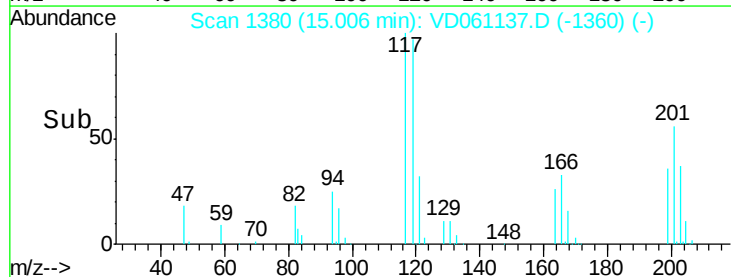
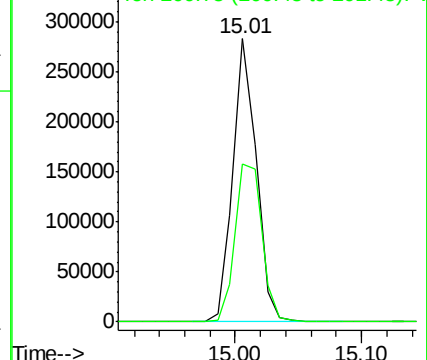
Ion Ratio Lower Upper

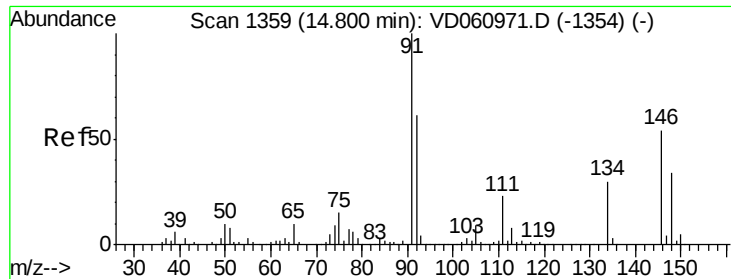
117 100

201 55.6 36.2 108.6



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

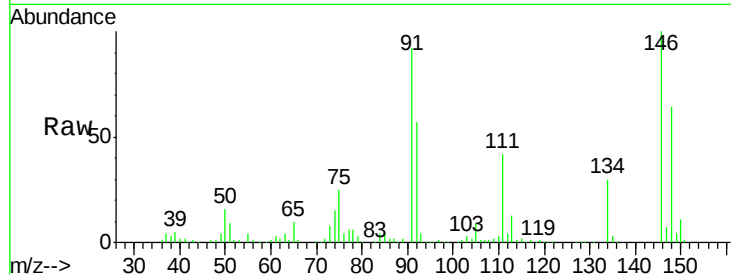




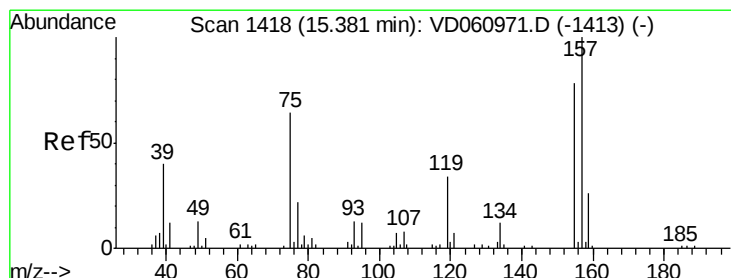
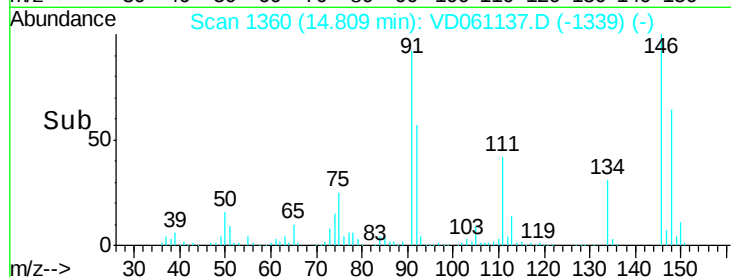
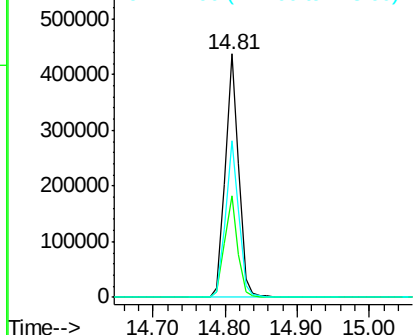
#91
 1,2-Dichlorobenzene
 Concen: 48.694 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 558254
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.5 64.5
 148 64.1 30.9 92.8

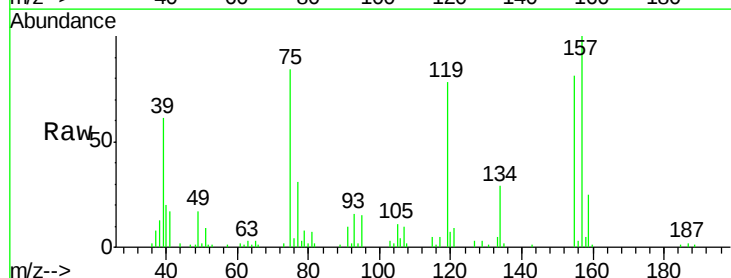


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

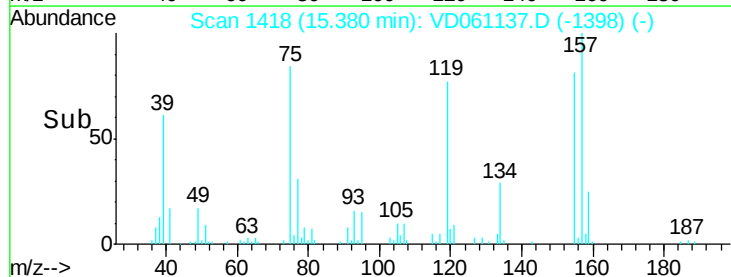
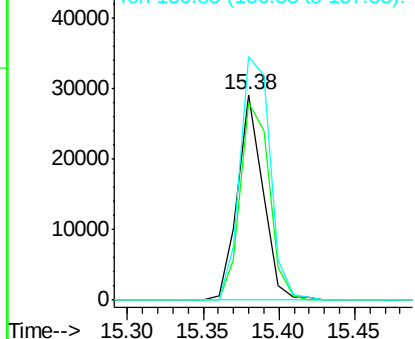


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.662 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Tgt Ion: 75 Resp: 33808
 Ion Ratio Lower Upper
 75 100
 155 95.9 61.2 183.5
 157 118.6 78.3 234.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

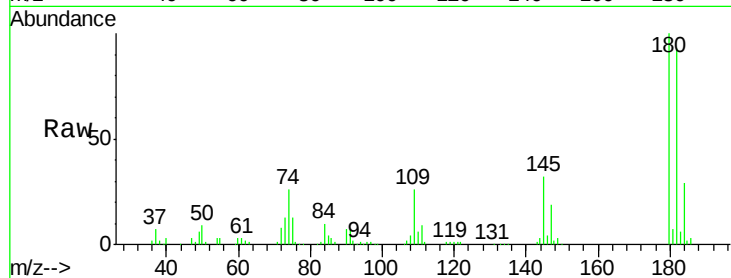




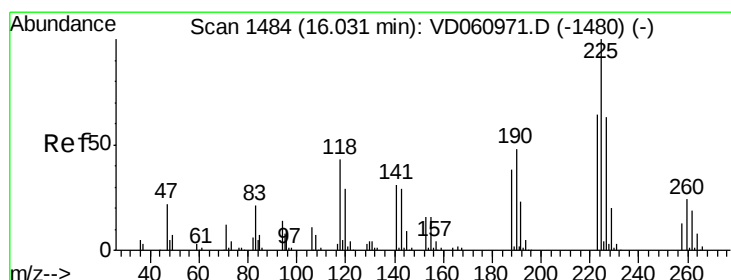
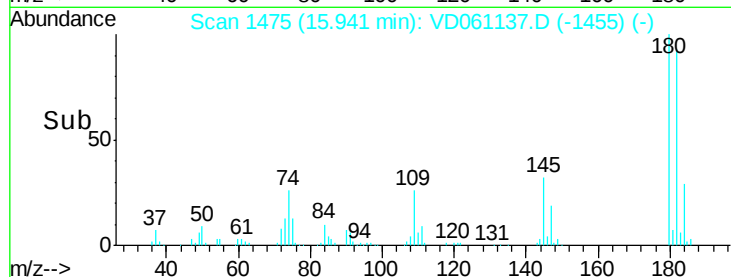
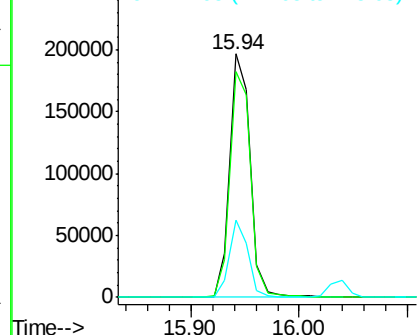
#93
 1,2,4-Trichlorobenzene
 Concen: 48.728 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 259152
 Ion Ratio Lower Upper
 180 100
 182 92.6 47.3 142.0
 145 31.6 14.4 43.0

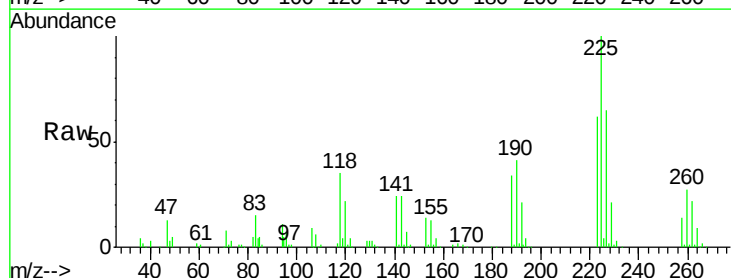


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

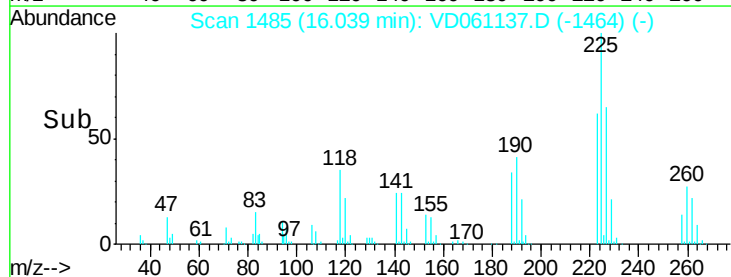
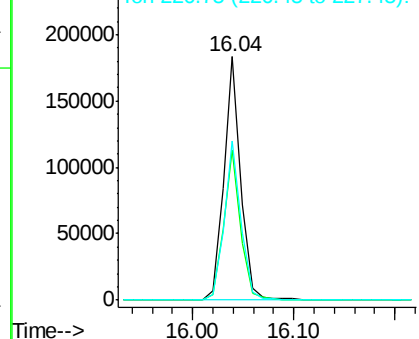


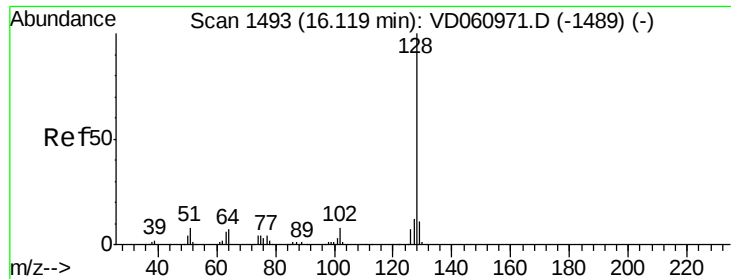
#94
 Hexachlorobutadiene
 Concen: 53.136 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061137.D
 Acq: 18 Mar 2019 11:04

Tgt Ion:225 Resp: 213755
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.8 95.3
 227 65.2 31.4 94.0



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

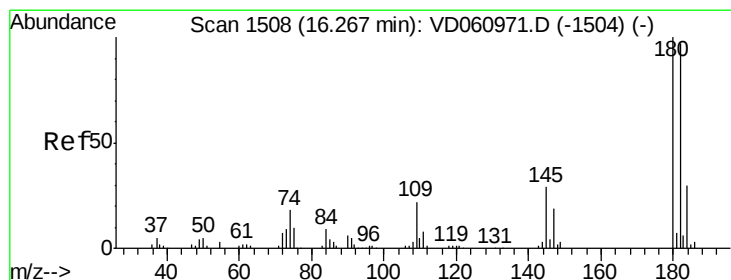
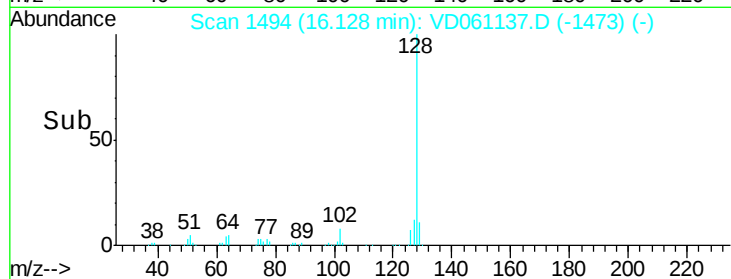
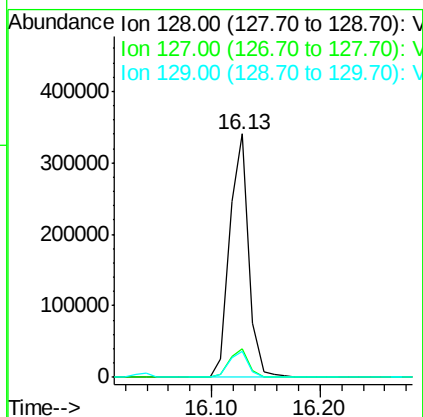
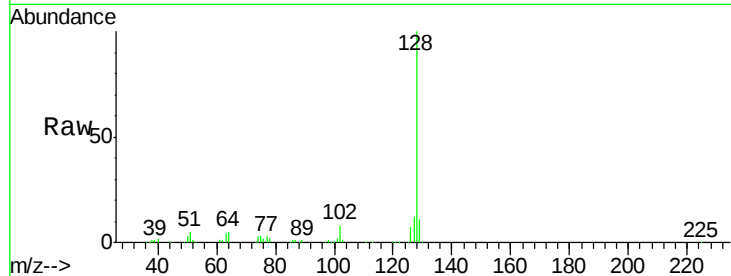




#95
Naphthalene
Concen: 51.600 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 417026
Ion Ratio Lower Upper
128 100
127 11.6 9.8 14.8
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 46.946 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061137.D
Acq: 18 Mar 2019 11:04

Tgt Ion:180 Resp: 123316
Ion Ratio Lower Upper
180 100
182 96.0 48.6 145.8
145 28.6 14.3 42.9

