

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061691.D
 Acq On : 9 Apr 2019 22:48
 Operator : VA/AP
 Sample : K2316-08
 Misc : 5.10a/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 10 00:58:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	441470	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	768303	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.39	117	518637	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	138184	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.49	65	199031	59.48	ug/l	0.03
Spiked Amount			Recovery	=	118.96%	
35) Dibromofluoromethane	6.95	113	679	0.13	ug/l	0.03
Spiked Amount			Recovery	=	0.26%	
50) Toluene-d8	10.44	98	684404	51.18	ug/l	0.03
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	13.68	95	14627	1.74	ug/l	0.12
Spiked Amount			Recovery	=	3.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	678	3.023	ug/l #	72
16) Acetone	3.25	43	78614	78.588	ug/l	92
17) Carbon Disulfide	3.41	76	183143	12.247	ug/l	97
20) Methylene Chloride	3.85	84	24803	4.369	ug/l	97
25) 2-Butanone	6.11	43	18071	15.670	ug/l	95
31) Cyclohexane	6.99	56	7660	1.216	ug/l #	85
36) 1,1-Dichloropropene	7.08	75	31428	4.674	ug/l #	46
37) Ethyl Acetate	6.11	43	18071	6.598	ug/l #	68
38) Carbon Tetrachloride	7.08	117	42923	5.447	ug/l #	14
40) Benzene	7.50	78	1350778	83.270	ug/l	99
42) 1,2-Dichloroethane	7.50	62	9574	1.877	ug/l	75
51) 4-Methyl-2-Pentanone	10.39	43	14660	6.236	ug/l #	77
52) Toluene	10.54	92	135304	13.357	ug/l	97
59) 2-Hexanone	11.66	43	2947	1.615	ug/l #	27
65) Chlorobenzene	12.42	112	227446	22.114	ug/l	97
67) Ethyl Benzene	12.54	91	218152	13.929	ug/l	97
68) m/p-Xylenes	12.68	106	175297	29.032	ug/l	94
69) o-Xylene	13.07	106	88925	15.257	ug/l	90
73) Isopropylbenzene	13.42	105	525306	57.053	ug/l	98
74) N-amyl acetate	13.23	43	18497	7.394	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	13.73	83	5435	2.855	ug/l #	64
76) 1,2,3-Trichloropropane	13.85	75	3881	2.064	ug/l #	1
78) n-propylbenzene	13.79	91	40542	3.681	ug/l	86
79) 2-Chlorotoluene	13.85	91	169313	26.882	ug/l	95
80) 1,3,5-Trimethylbenzene	13.94	105	53387	7.305	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.42	75	4980	8.729	ug/l #	34
82) 4-Chlorotoluene	13.91	91	9277	1.344	ug/l	97
83) tert-Butylbenzene	14.20	119	61301	6.957	ug/l	99
84) 1,2,4-Trimethylbenzene	14.25	105	136697	18.534	ug/l	99
85) sec-Butylbenzene	14.38	105	16487	1.732	ug/l	97
86) p-Isopropyltoluene	14.50	119	62539	7.573	ug/l	95
87) 1,3-Dichlorobenzene	14.54	146	11921	2.592	ug/l	89
88) 1,4-Dichlorobenzene	14.54	146	11921	2.569	ug/l #	84
89) n-Butylbenzene	14.81	91	20217	2.816	ug/l	94

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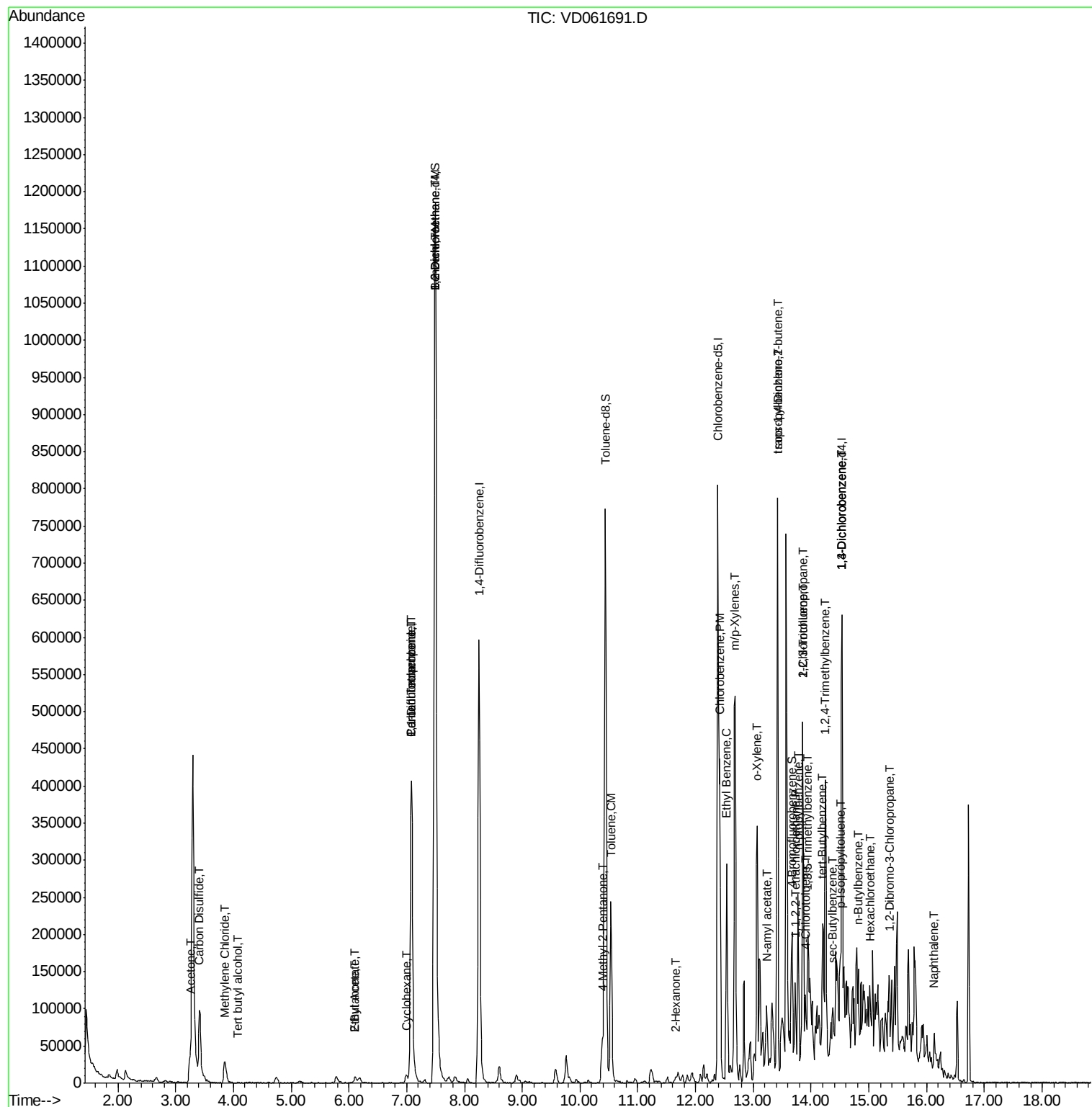
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	15.02	117	4942	2.205	ug/l #	26
92) 1,2-Dibromo-3-Chloropropan	15.35	75	552	2.403	ug/l #	22
95) Naphthalene	16.14	128	35349	11.568	ug/l	98

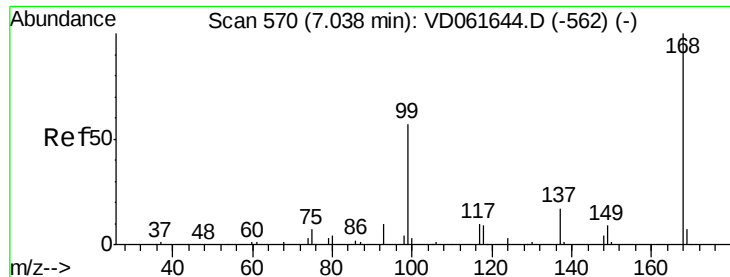
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 575

Delta R.T. 0.04 min

Lab File: VD061691.D

Acq: 9 Apr 2019 22:48

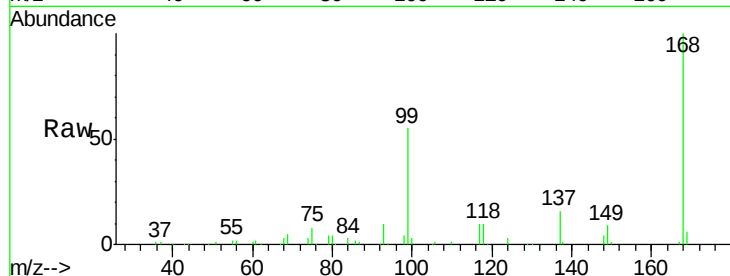
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 441470

Ion Ratio Lower Upper

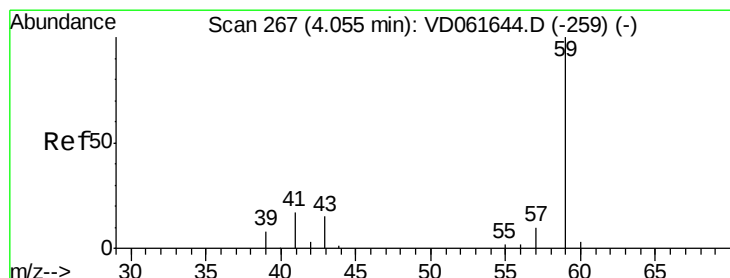
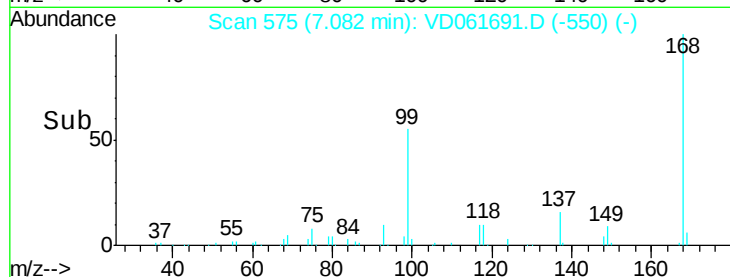
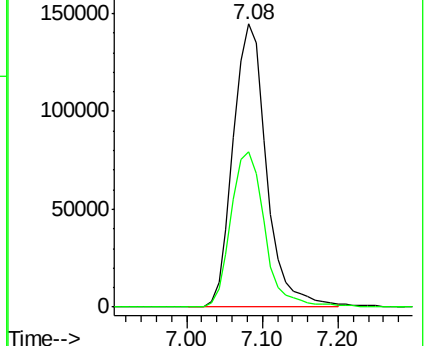
168 100

99 54.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 3.023 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD061691.D

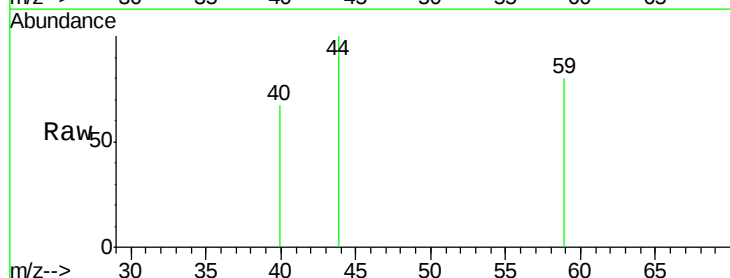
Acq: 9 Apr 2019 22:48

Tgt Ion: 59 Resp: 678

Ion Ratio Lower Upper

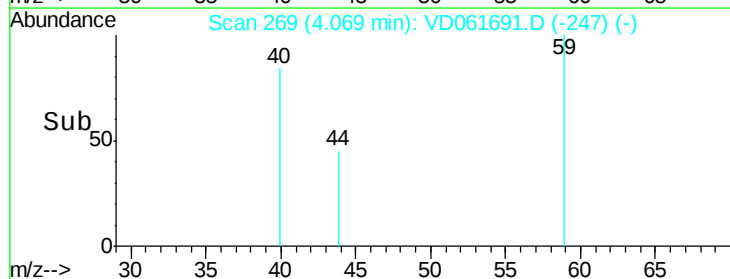
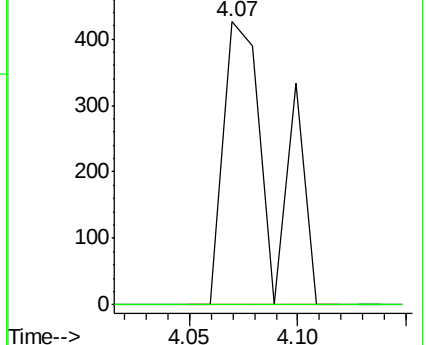
59 100

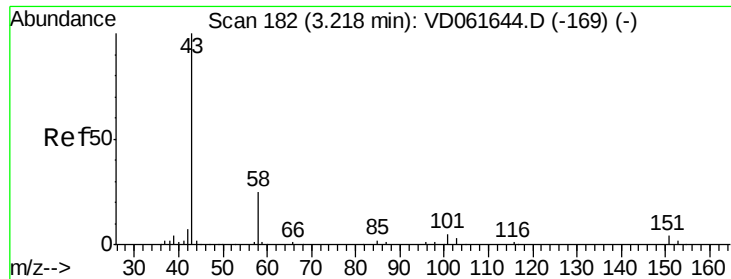
57 0.0 8.4 12.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 78.588 ug/l

RT: 3.25 min Scan# 186

Delta R.T. 0.03 min

Lab File: VD061691.D

Acq: 9 Apr 2019 22:48

Instrument :

MSVOA_D

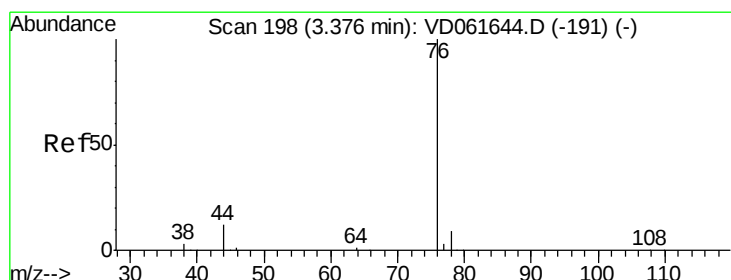
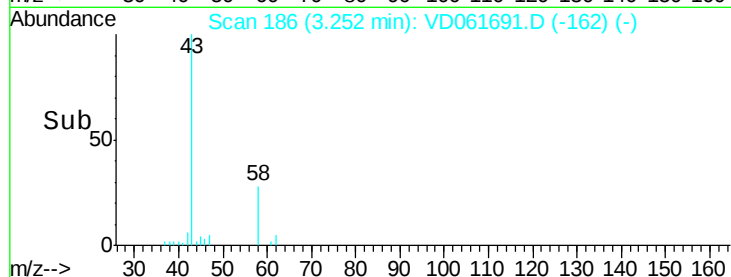
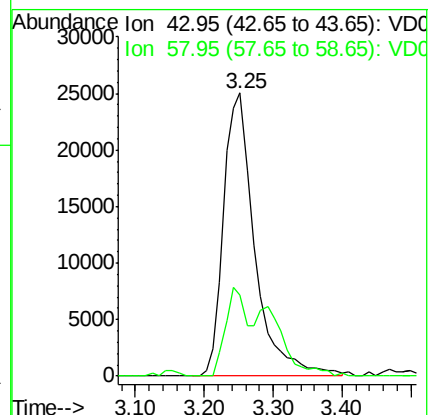
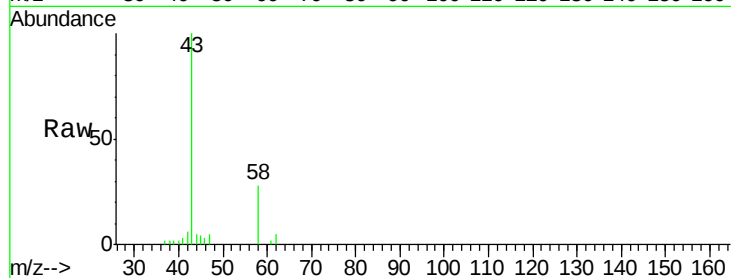
ClientSampled :

Tot Ion: 43 Resp: 78614

Ion Ratio Lower Upper

43 100

58 28.5 19.7 29.5



#17

Carbon Disulfide

Concen: 12.247 ug/l

RT: 3.41 min Scan# 202

Delta R.T. 0.03 min

Lab File: VD061691.D

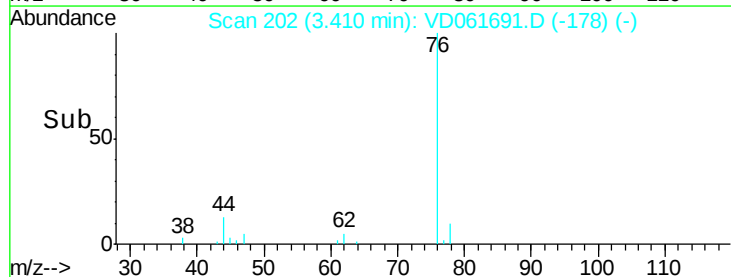
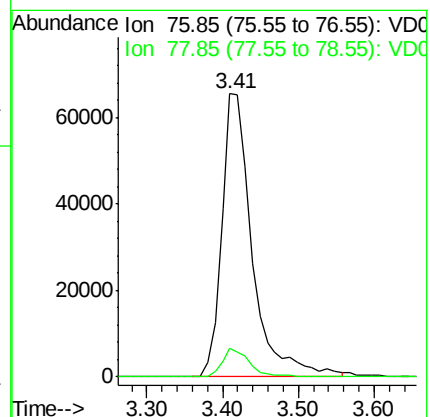
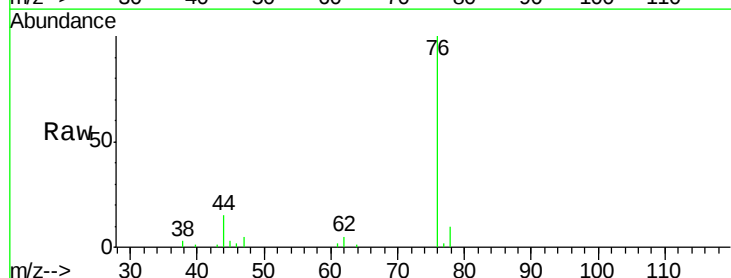
Acq: 9 Apr 2019 22:48

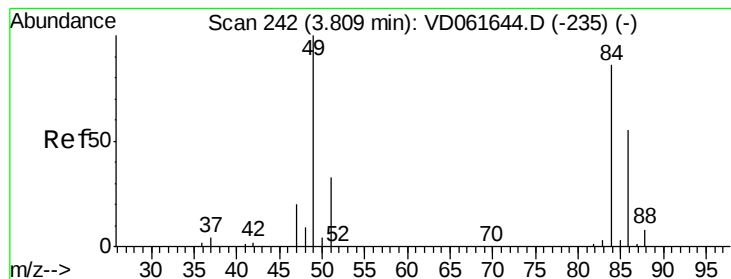
Tgt Ion: 76 Resp: 183143

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.2





#20

Methvlene Chloride

Concen: 4.369 ug/l

RT: 3.85 min Scan# 247

Delta R.T. 0.04 min

Lab File: VD061691.D

Acq: 9 Apr 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 24803

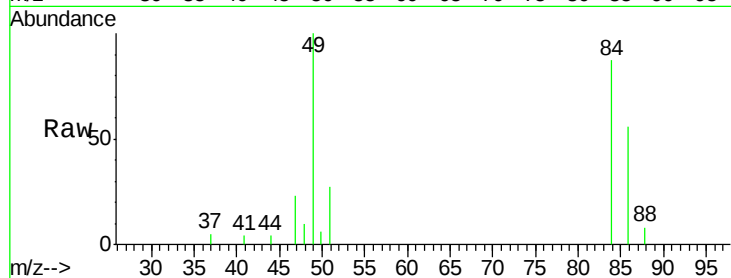
Ion Ratio Lower Upper

84 100

49 115.1 93.0 139.4

51 31.2 30.4 45.6

86 64.5 51.0 76.4

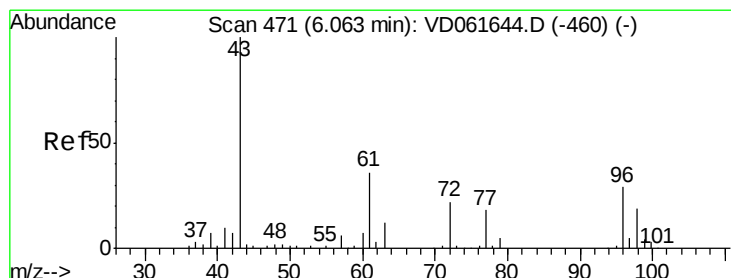
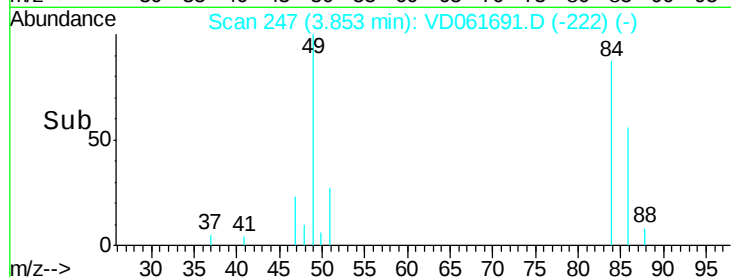
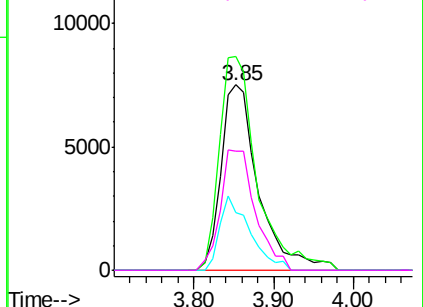


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#25

2-Butanone

Concen: 15.670 ug/l

RT: 6.11 min Scan# 476

Delta R.T. 0.04 min

Lab File: VD061691.D

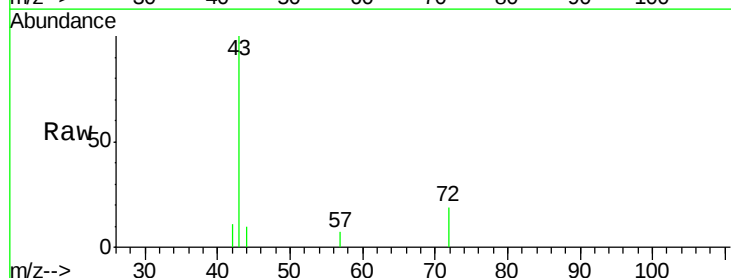
Acq: 9 Apr 2019 22:48

Tgt Ion: 43 Resp: 18071

Ion Ratio Lower Upper

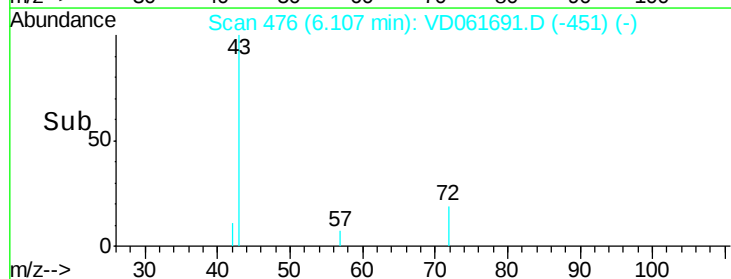
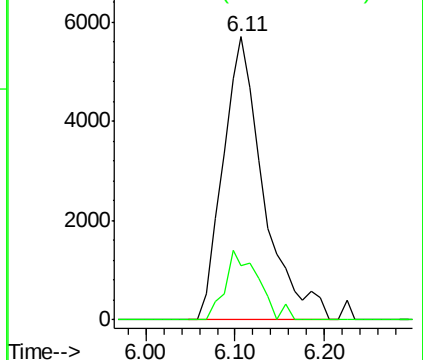
43 100

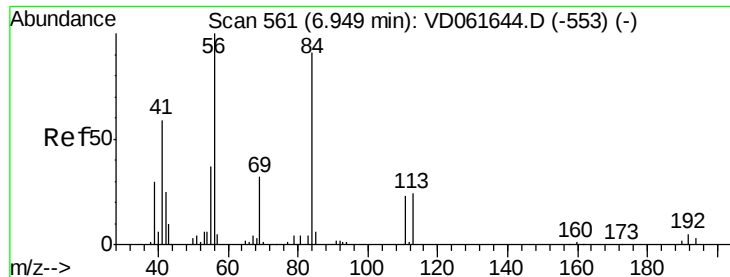
72 19.4 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

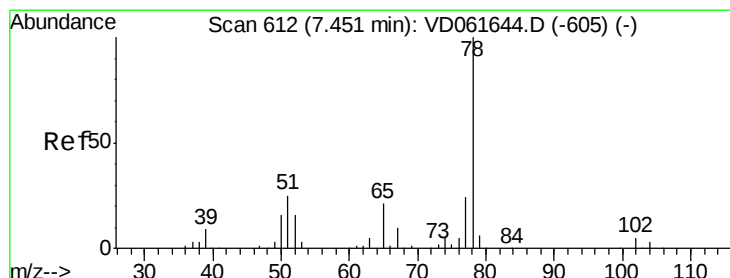
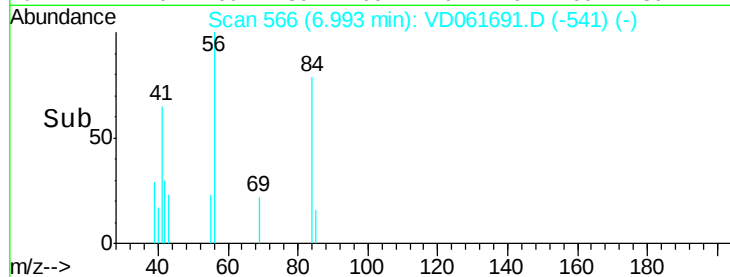
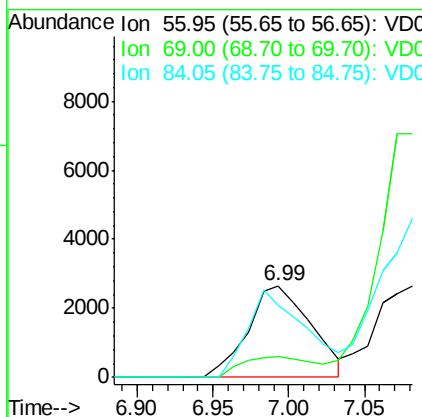
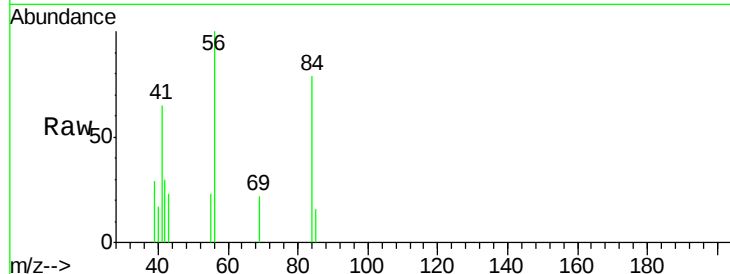




#31
Cyclohexane
Concen: 1.216 ug/l
RT: 6.99 min Scan# 566
Delta R.T. 0.04 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

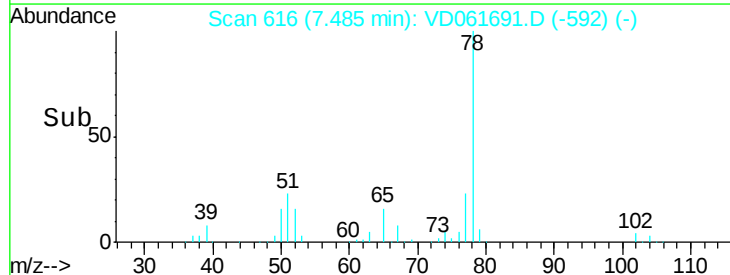
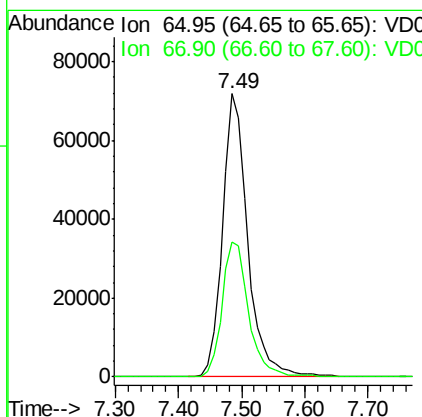
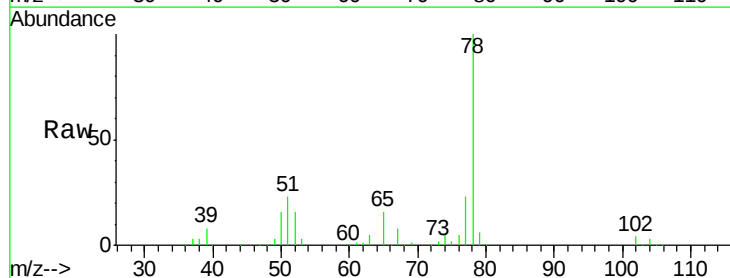
Instrument :
MSVOA_D
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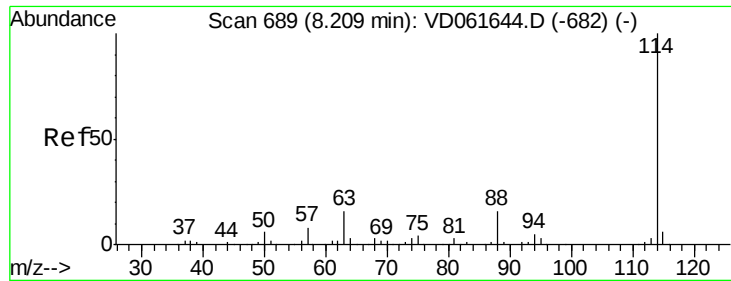
Tot Ion: 56 Resp: 7660
Ion Ratio Lower Upper
56 100
69 22.3 25.8 38.6#
84 79.3 74.2 111.2



#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.49 min Scan# 616
Delta R.T. 0.03 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

Tgt Ion: 65 Resp: 199031
Ion Ratio Lower Upper
65 100
67 47.7 0.0 99.4

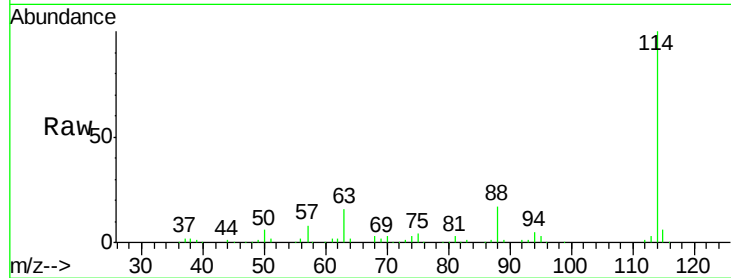




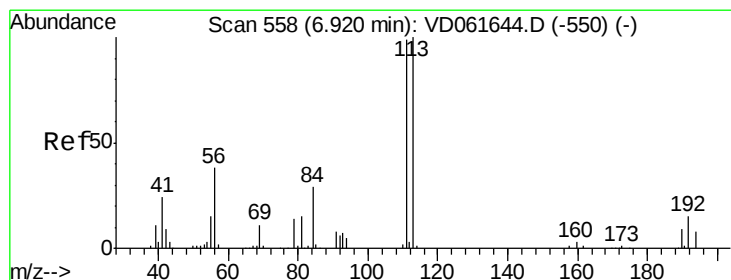
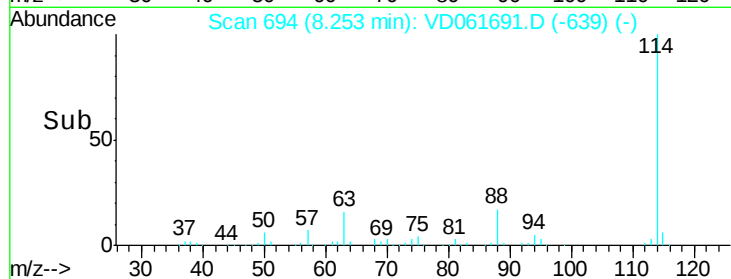
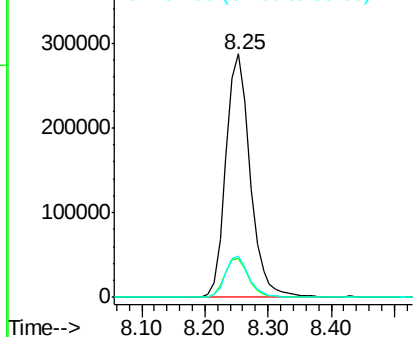
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 694
 Delta R.T. 0.04 min
 Lab File: VD061691.D
 Acq: 9 Apr 2019 22:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 768303
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.2
 88 17.0 0.0 31.8

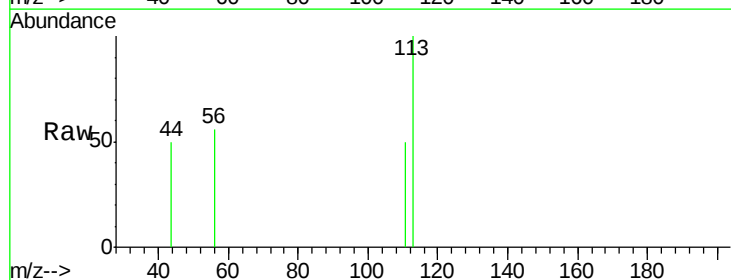


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

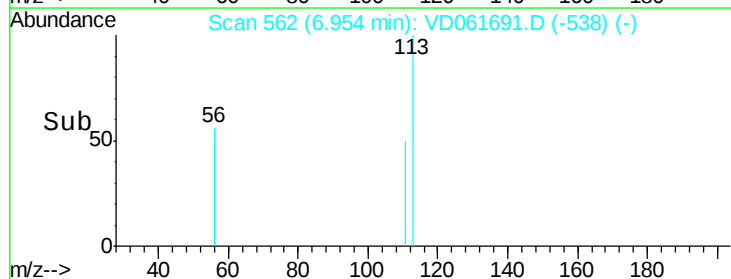
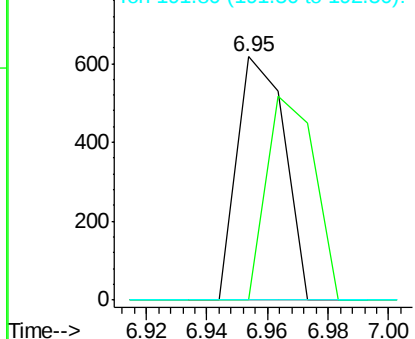


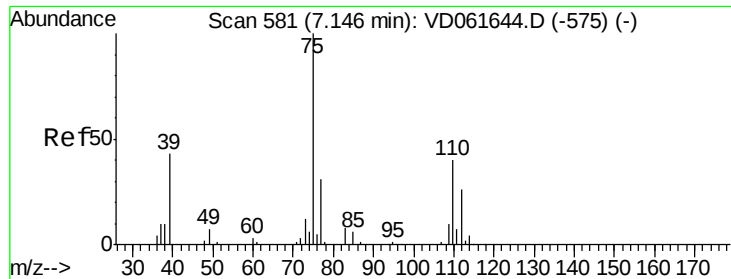
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 562
 Delta R.T. 0.03 min
 Lab File: VD061691.D
 Acq: 9 Apr 2019 22:48

Tgt Ion:113 Resp: 679
 Ion Ratio Lower Upper
 113 100
 111 0.0 79.3 118.9#
 192 0.0 12.3 18.5#



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

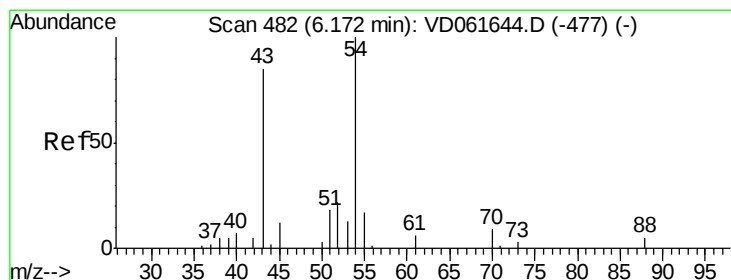
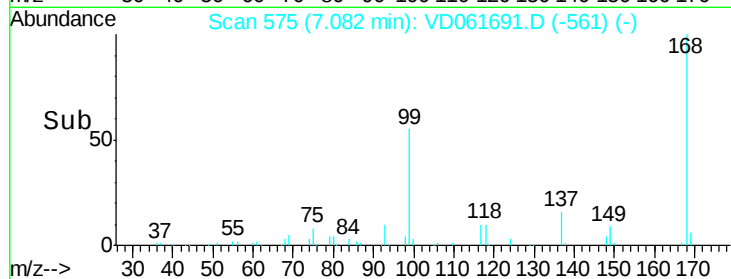
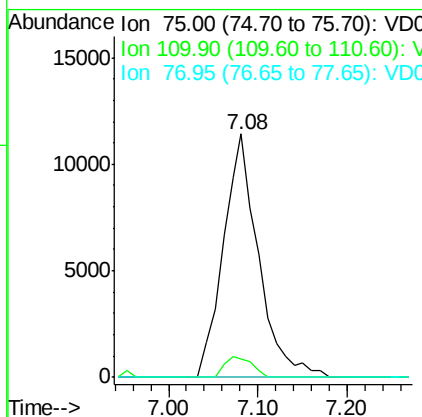
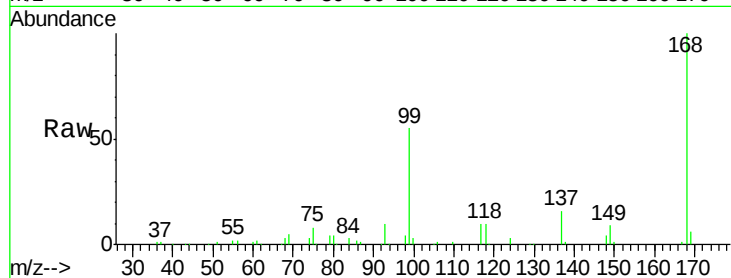




#36
 1,1-Dichloropropene
 Concen: 4.674 ug/l
 RT: 7.08 min Scan# 575
 Delta R.T. -0.06 min
 Lab File: VD061691.D
 Acq: 9 Apr 2019 22:48

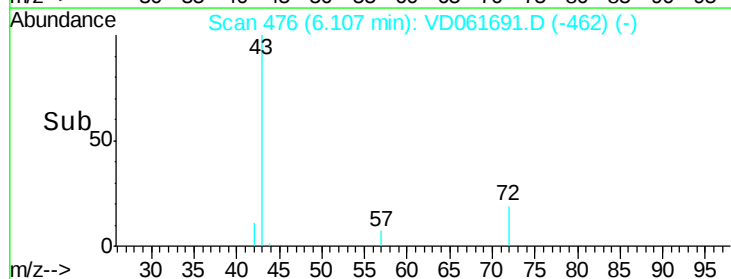
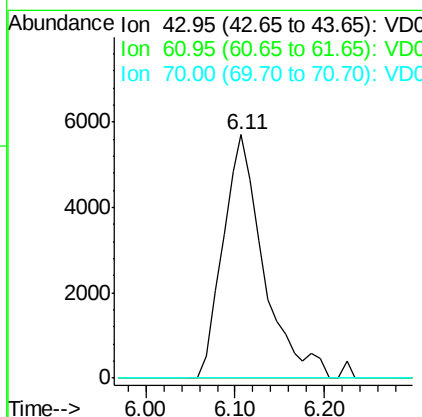
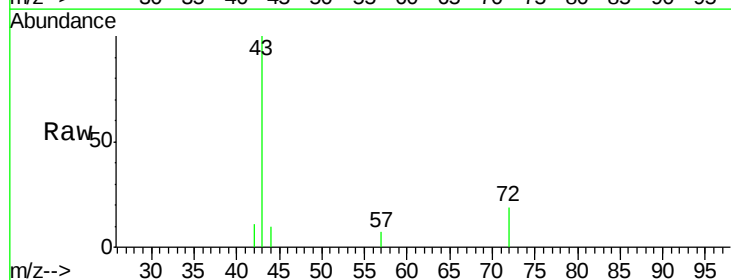
Instrument :
 MSVOA_D
 ClientSampleId :

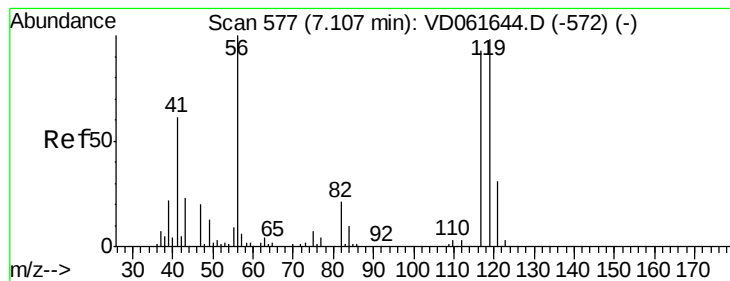
Tot Ion: 75 Resp: 31428
 Ion Ratio Lower Upper
 75 100
 110 7.5 19.7 59.0#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 6.598 ug/l
 RT: 6.11 min Scan# 476
 Delta R.T. -0.06 min
 Lab File: VD061691.D
 Acq: 9 Apr 2019 22:48

Tgt Ion: 43 Resp: 18071
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.9 17.9#
 70 0.0 6.9 10.3#





#38

Carbon Tetrachloride

Concen: 5.447 ug/l

RT: 7.08 min Scan# 575

Delta R.T. -0.03 min

Lab File: VD061691.D

Acq: 9 Apr 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

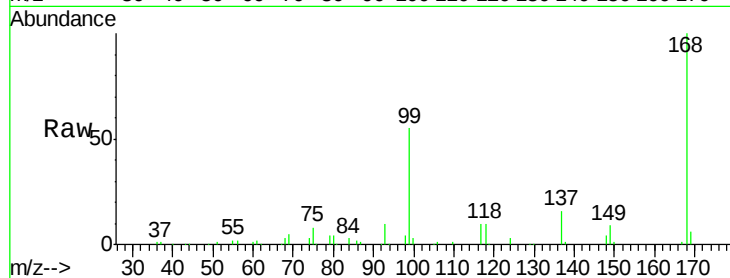
Tot Ion:117 Resp: 42923

Ion Ratio Lower Upper

117 100

119 4.0 77.9 116.9#

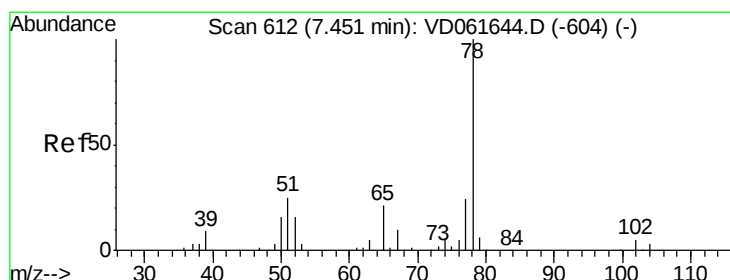
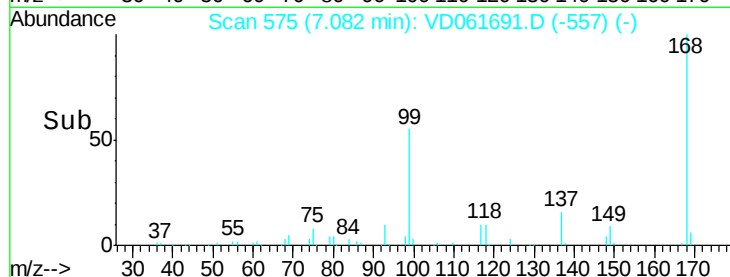
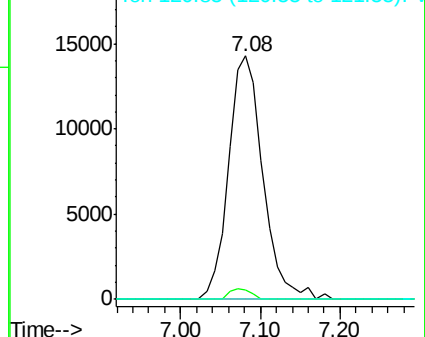
121 0.0 24.7 37.1#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#40

Benzene

Concen: 83.270 ug/l

RT: 7.50 min Scan# 617

Delta R.T. 0.04 min

Lab File: VD061691.D

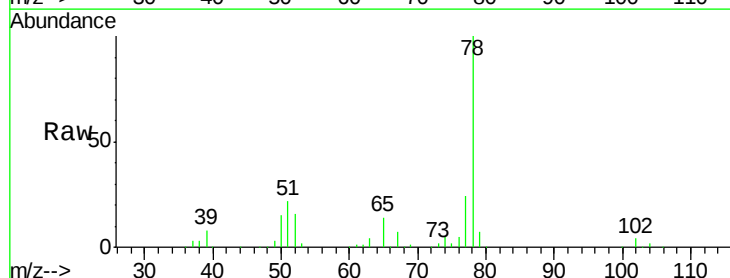
Acq: 9 Apr 2019 22:48

Tgt Ion: 78 Resp: 1350778

Ion Ratio Lower Upper

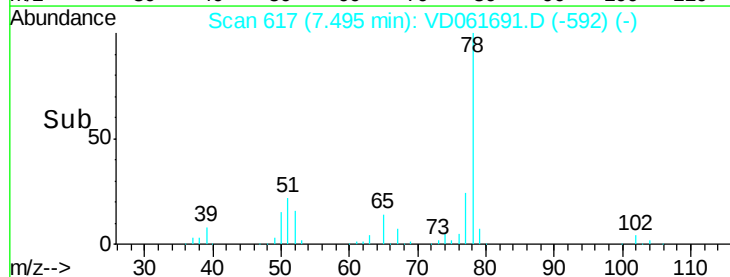
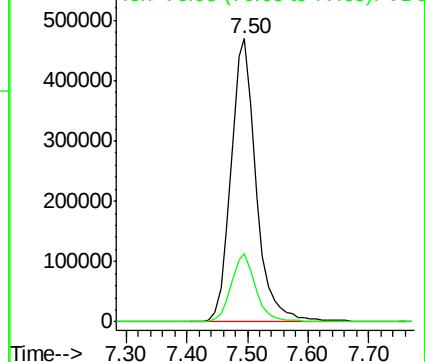
78 100

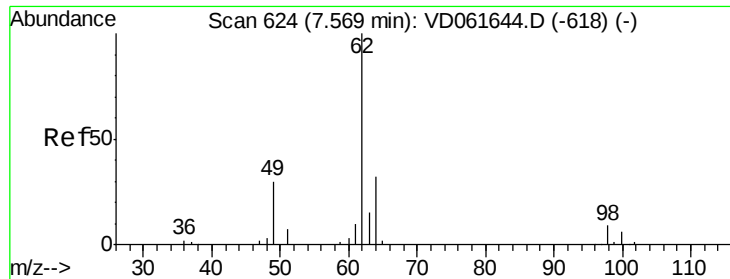
77 23.9 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): V

Ion 76.95 (76.65 to 77.65): V

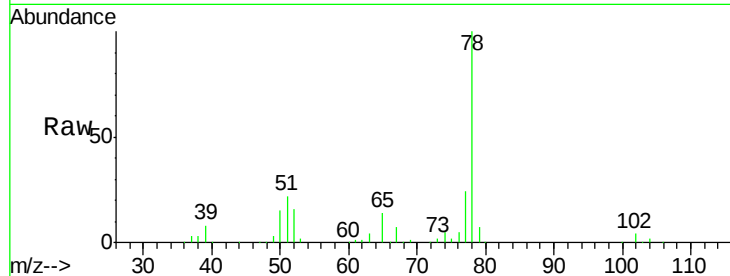




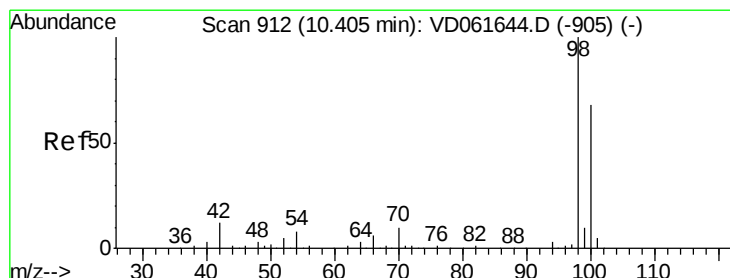
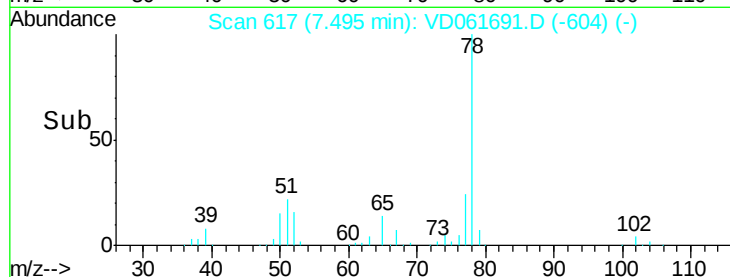
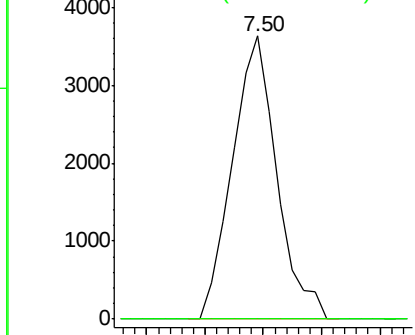
#42
 1,2-Dichloroethane
 Concen: 1.877 ug/l
 RT: 7.50 min Scan# 617
 Delta R.T. -0.07 min
 Lab File: VD061691.D
 Acq: 9 Apr 2019 22:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 62 Resp: 9574
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 17.8

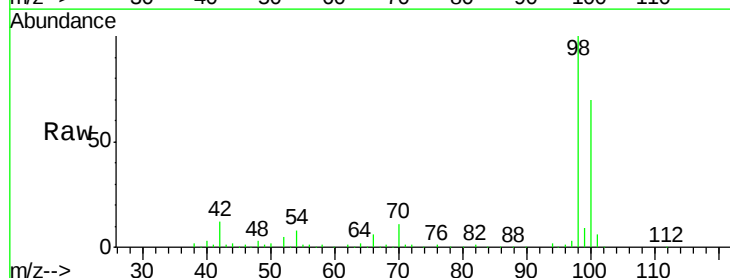


Abundance Ion 61.95 (61.65 to 62.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

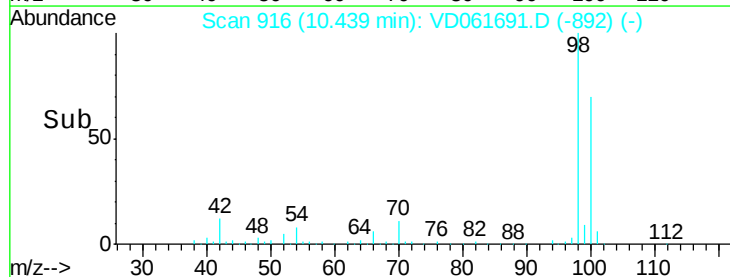
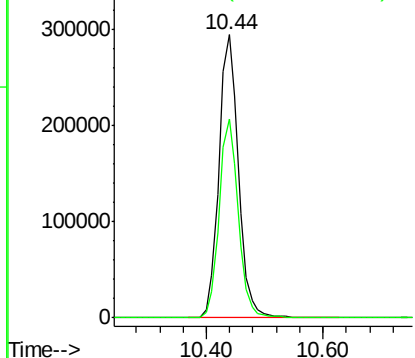


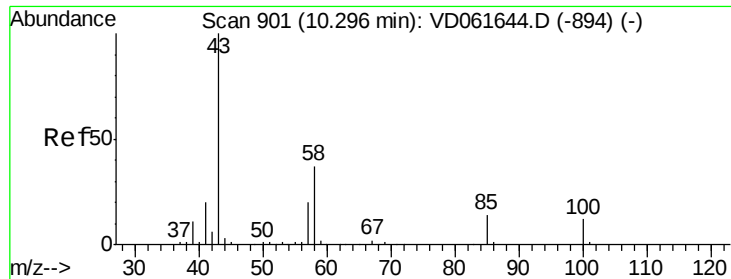
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 10.44 min Scan# 916
 Delta R.T. 0.03 min
 Lab File: VD061691.D
 Acq: 9 Apr 2019 22:48

Tgt Ion: 98 Resp: 684404
 Ion Ratio Lower Upper
 98 100
 100 70.1 55.4 83.0



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





#51

4-Methyl-2-Pentanone

Concen: 6.236 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.09 min

Lab File: VD061691.D

Acq: 9 Apr 2019 22:48

Instrument :

MSVOA_D

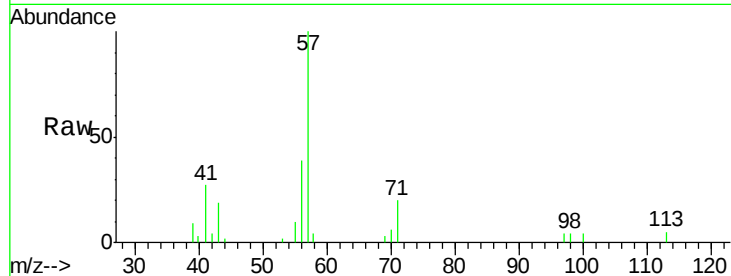
ClientSampled :

Tot Ion: 43 Resp: 14660

Ion Ratio Lower Upper

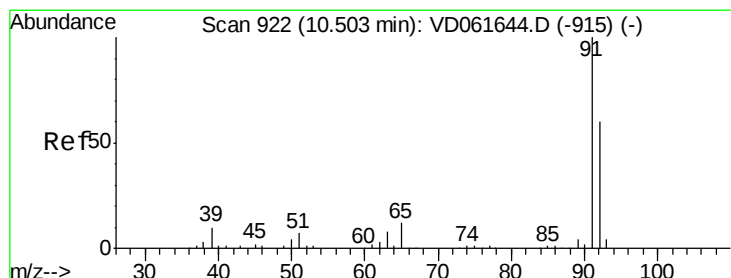
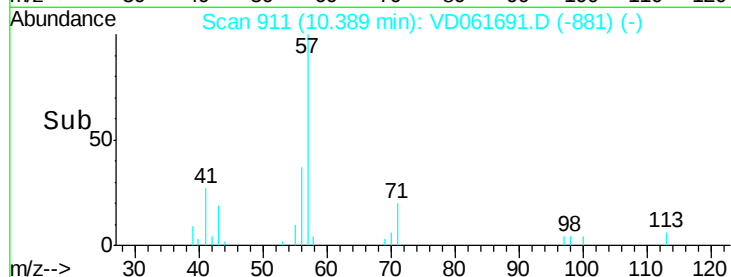
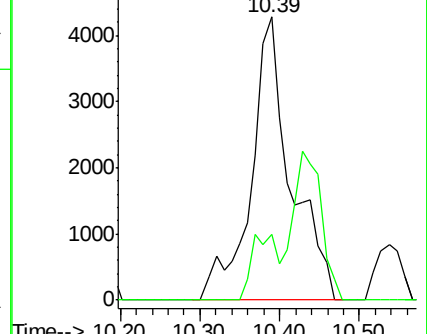
43 100

58 23.3 29.8 44.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 13.357 ug/l

RT: 10.54 min Scan# 926

Delta R.T. 0.03 min

Lab File: VD061691.D

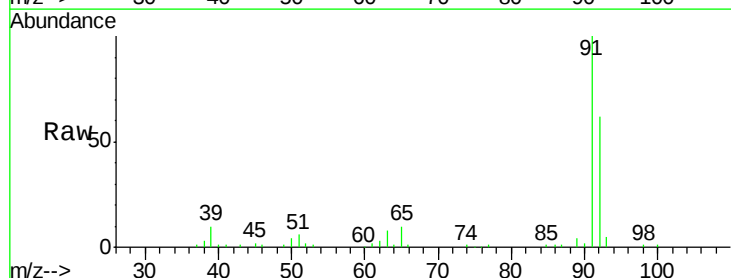
Acq: 9 Apr 2019 22:48

Tgt Ion: 92 Resp: 135304

Ion Ratio Lower Upper

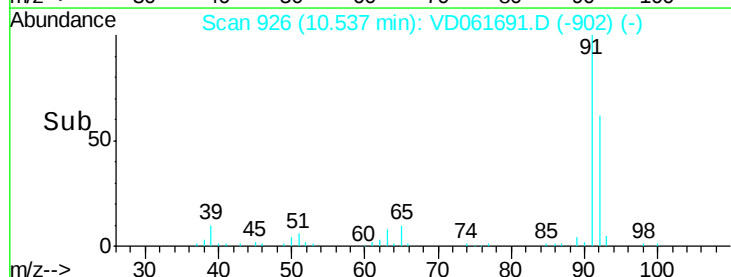
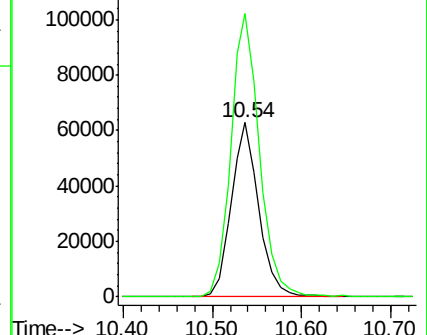
92 100

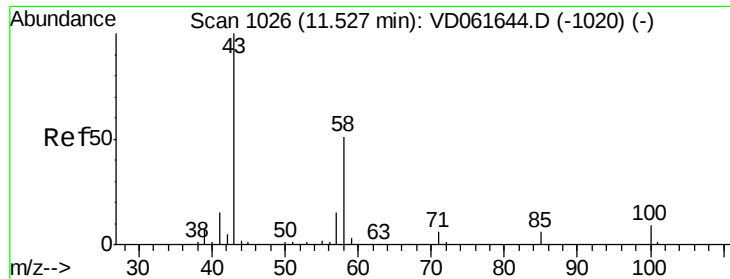
91 162.2 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

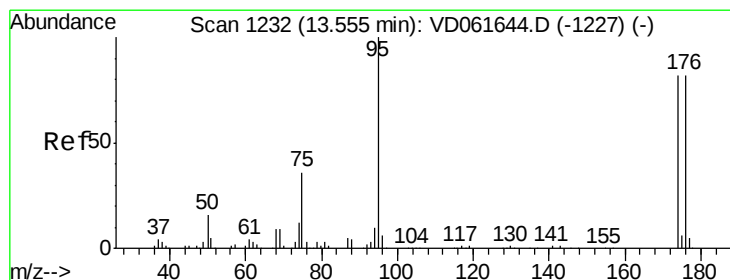
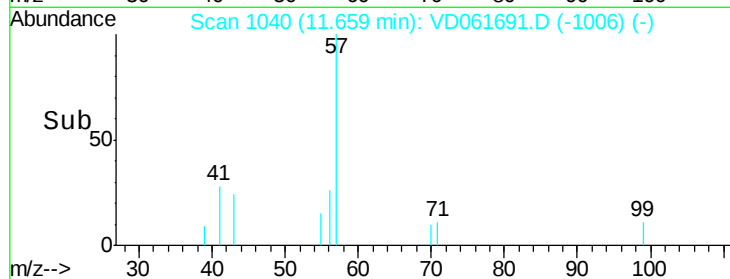
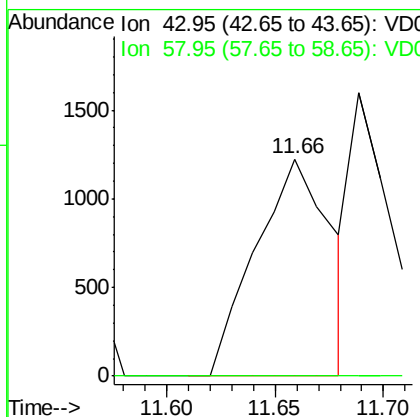
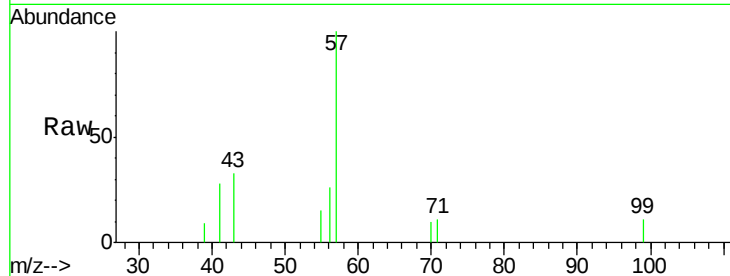




#59
2-Hexanone
Concen: 1.615 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. 0.13 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

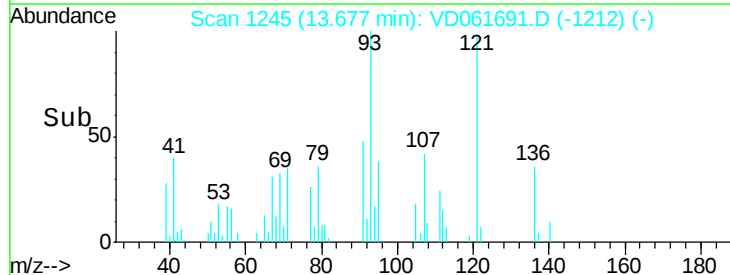
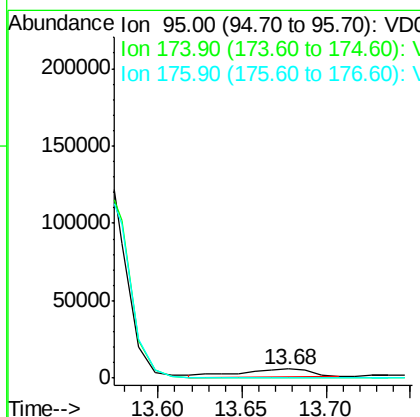
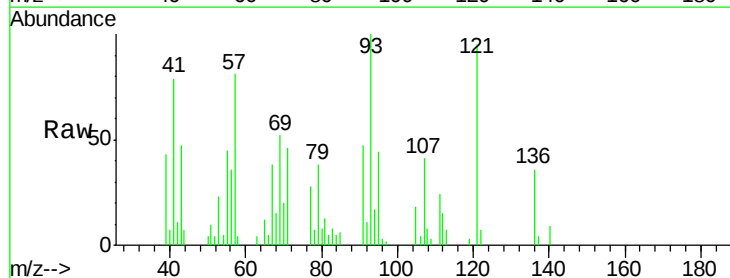
Instrument :
MSVOA_D
ClientSampled :

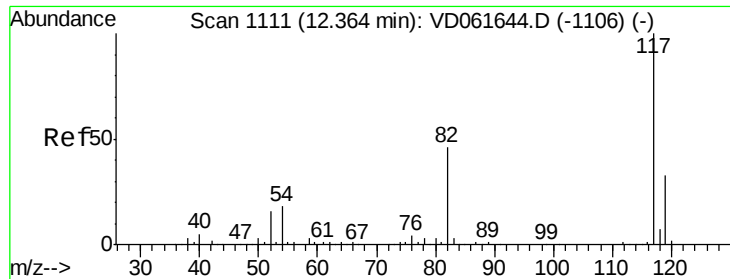
Tot Ion: 43 Resp: 2947
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.68 min Scan# 1245
Delta R.T. 0.12 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

Tgt Ion: 95 Resp: 14627
Ion Ratio Lower Upper
95 100
174 0.0 0.0 164.6
176 0.0 0.0 165.0

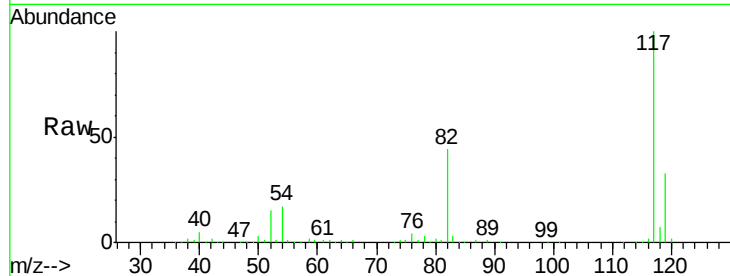




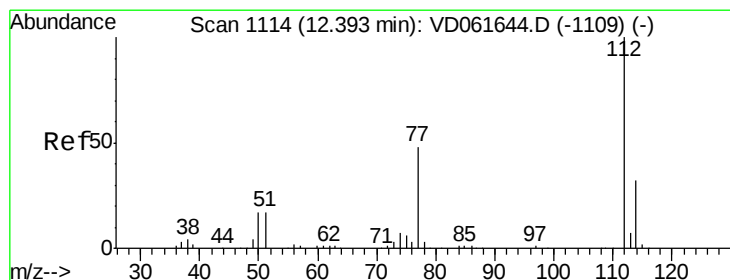
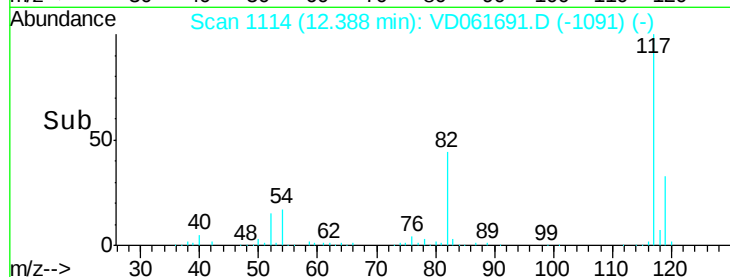
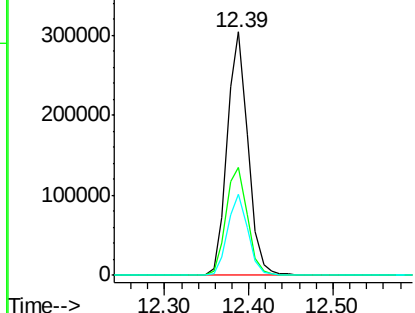
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 518637
Ion Ratio Lower Upper
117 100
82 44.3 36.8 55.2
119 33.1 26.1 39.1

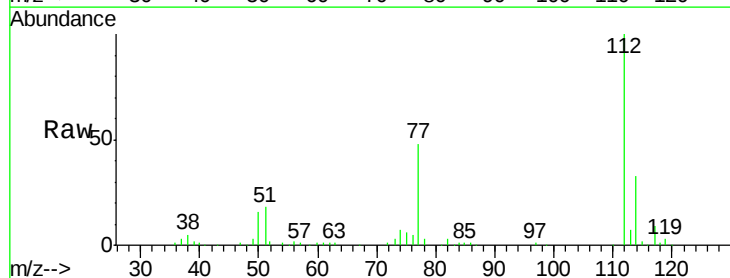


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

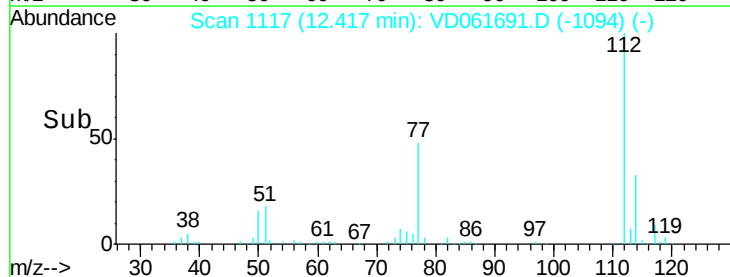
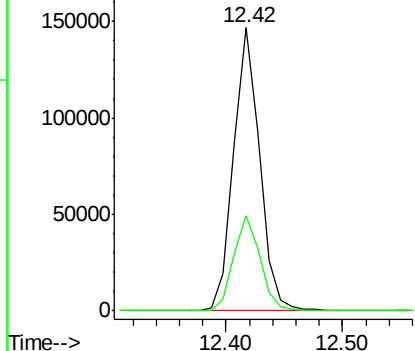


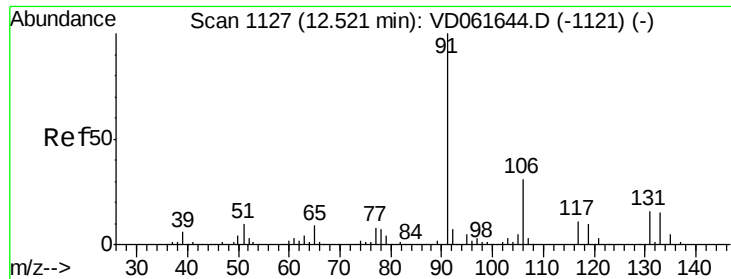
#65
Chlorobenzene
Concen: 22.114 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.02 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

Tgt Ion:112 Resp: 227446
Ion Ratio Lower Upper
112 100
114 33.5 25.6 38.4



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

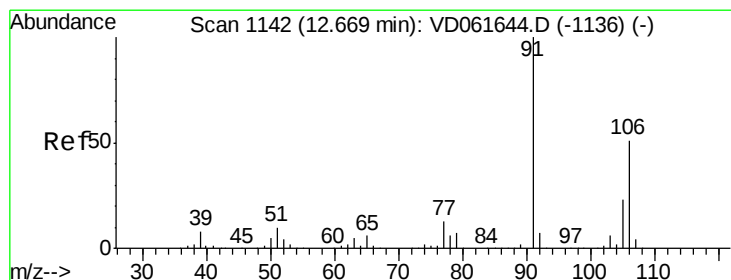
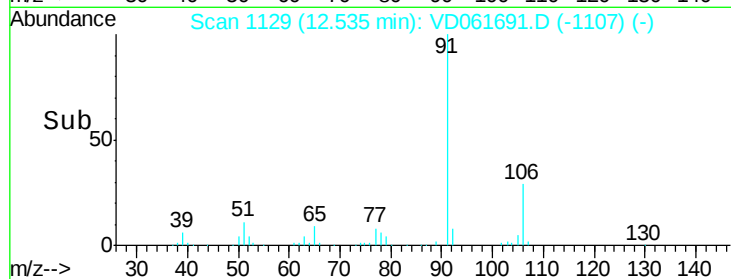
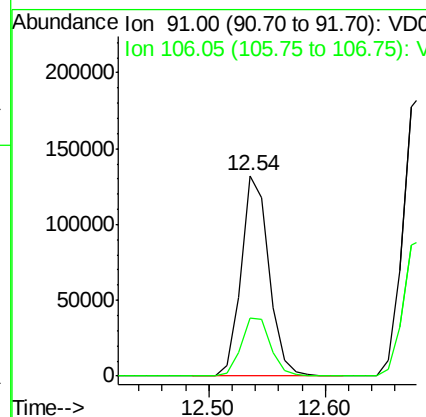
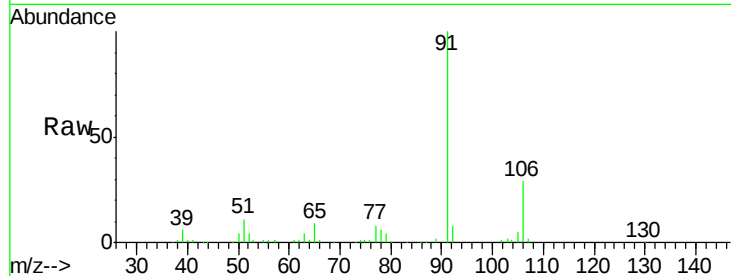




#67
Ethyl Benzene
Concen: 13.929 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

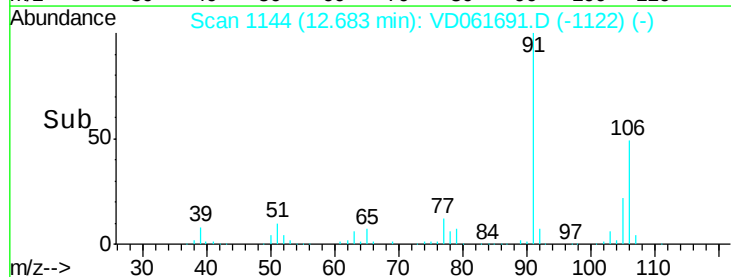
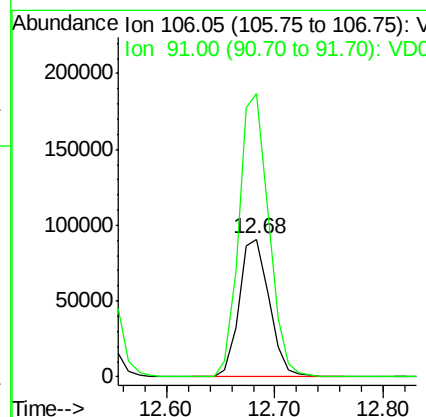
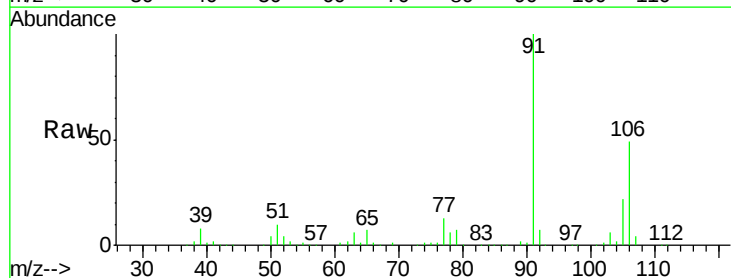
Instrument :
MSVOA_D
ClientSampled :

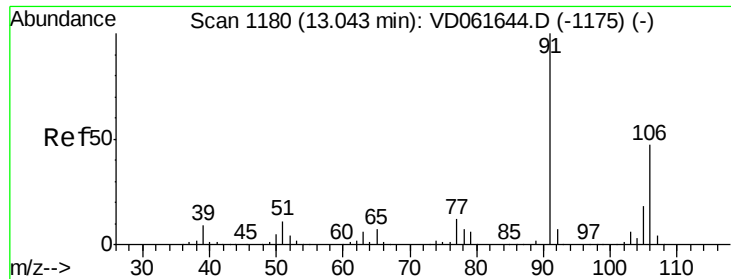
Tot Ion: 91 Resp: 218152
Ion Ratio Lower Upper
91 100
106 29.3 24.6 37.0



#68
m/p-Xylenes
Concen: 29.032 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

Tgt Ion:106 Resp: 175297
Ion Ratio Lower Upper
106 100
91 205.6 156.7 235.1

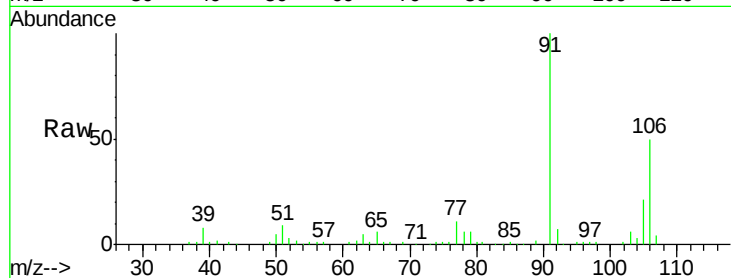




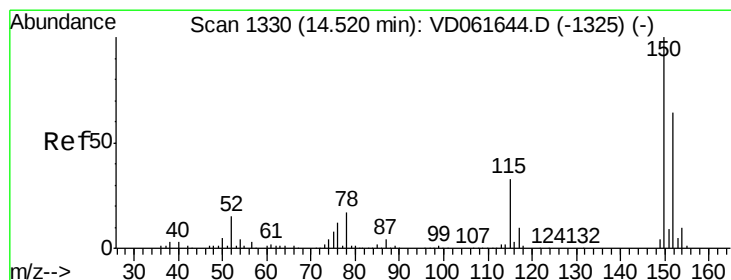
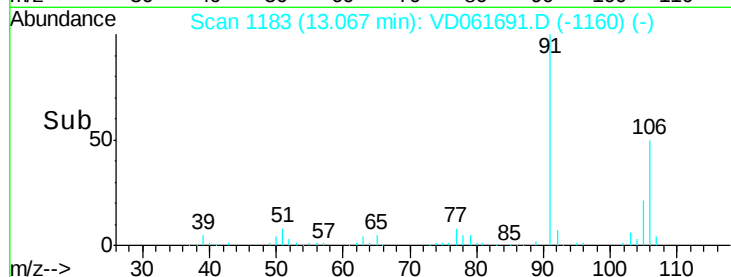
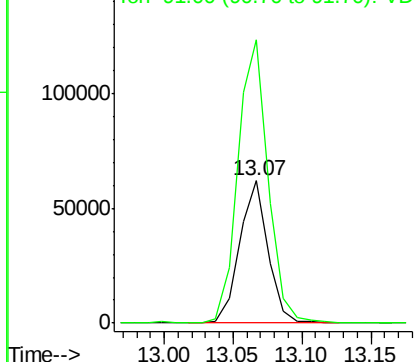
#69
o-Xylene
Concen: 15.257 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:106 Resp: 88925
Ion Ratio Lower Upper
106 100
91 199.1 107.3 321.9

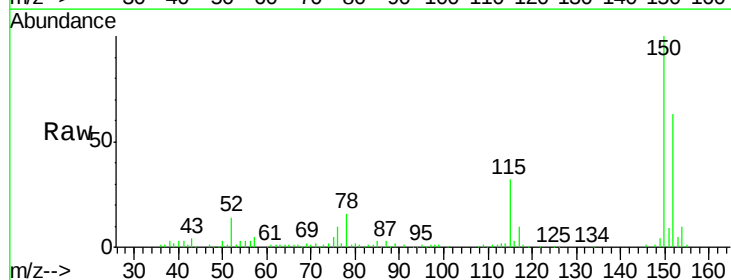


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

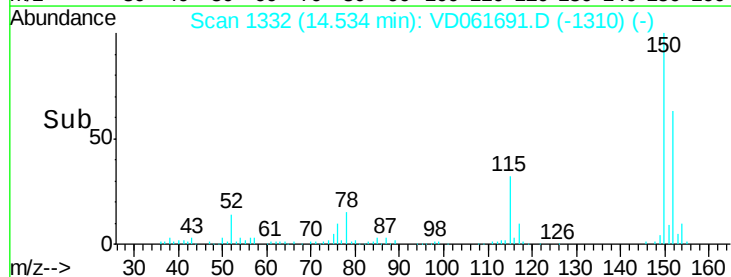
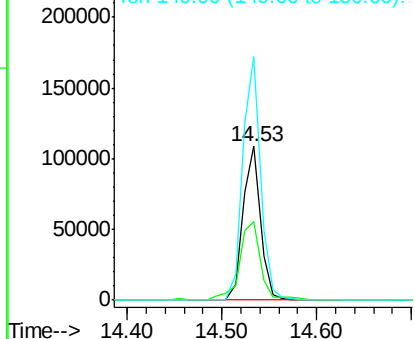


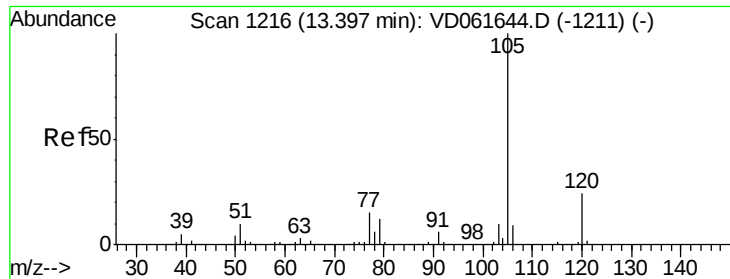
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.01 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

Tgt Ion:152 Resp: 138184
Ion Ratio Lower Upper
152 100
115 51.3 26.4 79.2
150 158.5 0.0 320.6



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





#73

Isopropylbenzene

Concen: 57.053 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD061691.D

Acq: 9 Apr 2019 22:48

Instrument :

MSVOA_D

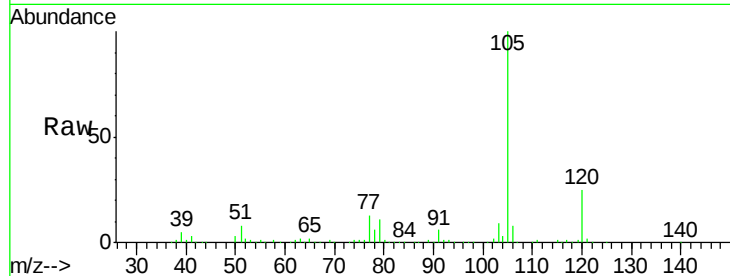
ClientSampleId :

Tot Ion:105 Resp: 525306

Ion Ratio Lower Upper

105 100

120 25.4 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.42

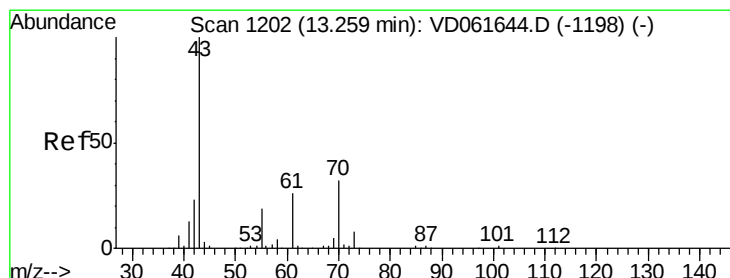
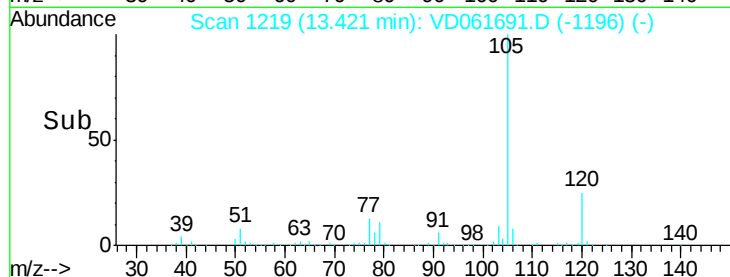
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 7.394 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.03 min

Lab File: VD061691.D

Acq: 9 Apr 2019 22:48

Tgt Ion: 43 Resp: 18497

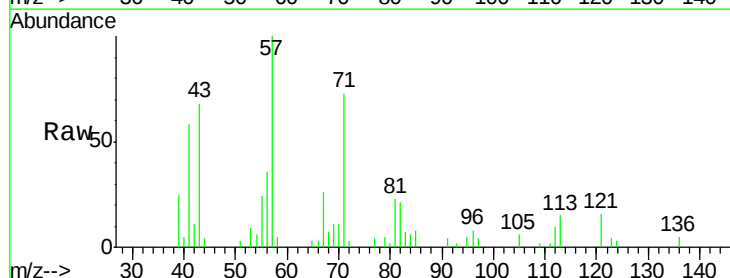
Ion Ratio Lower Upper

43 100

70 15.6 25.4 38.2#

55 35.7 15.0 22.4#

61 0.0 20.9 31.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

13.23

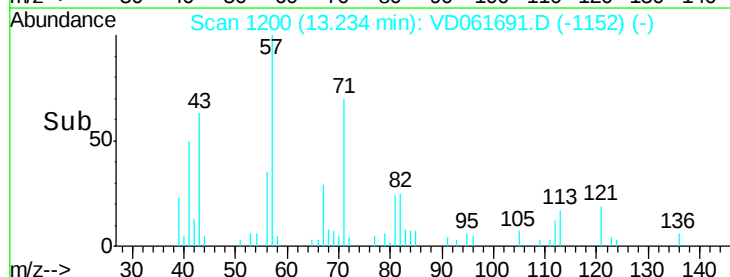
15000

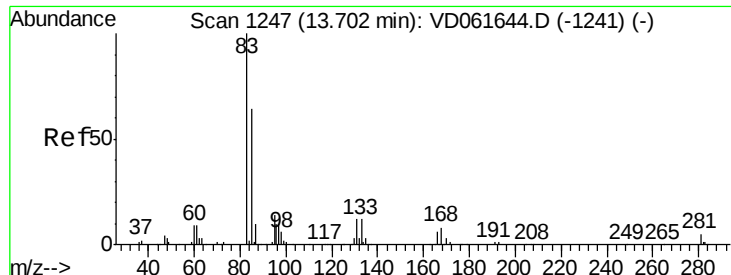
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 2.855 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.02 min

Lab File: VD061691.D

Acq: 9 Apr 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

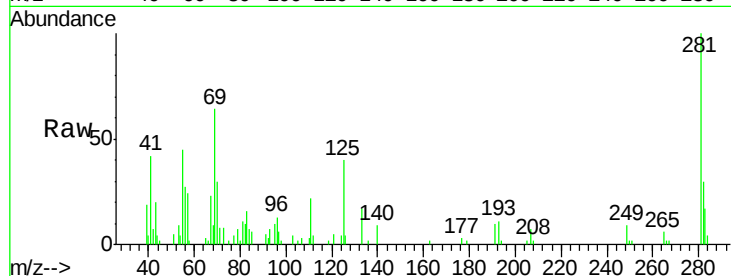
Tot Ion: 83 Resp: 5435

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.6#

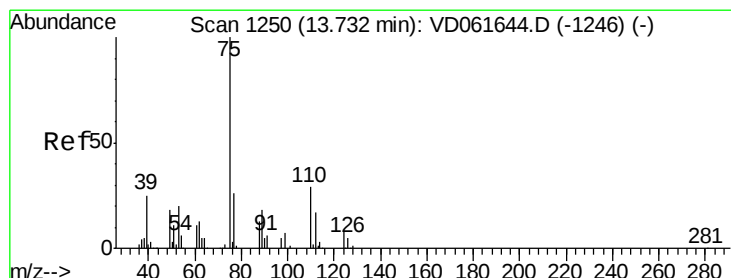
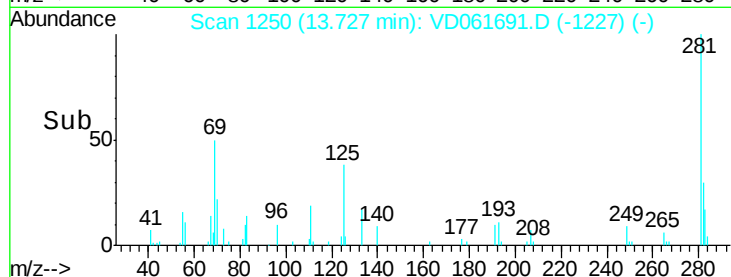
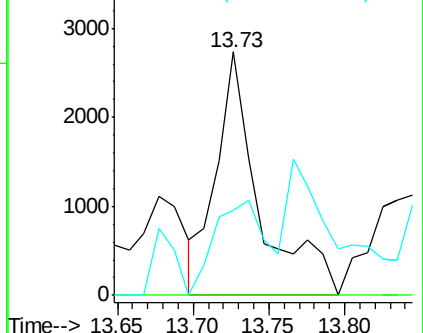
85 34.7 32.0 96.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 2.064 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.12 min

Lab File: VD061691.D

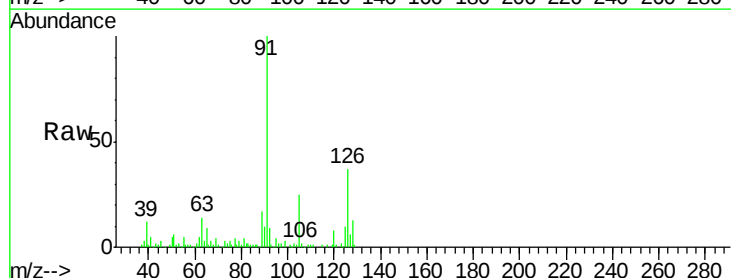
Acq: 9 Apr 2019 22:48

Tgt Ion: 75 Resp: 3881

Ion Ratio Lower Upper

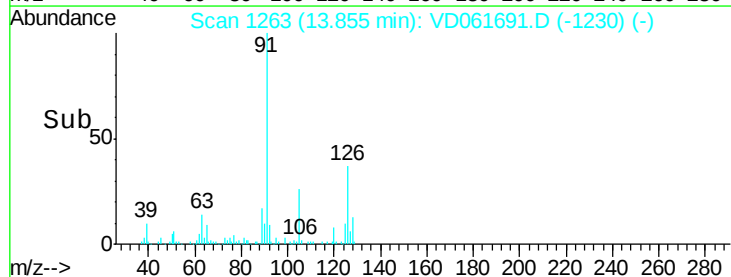
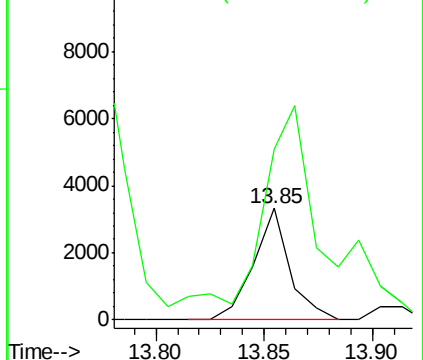
75 100

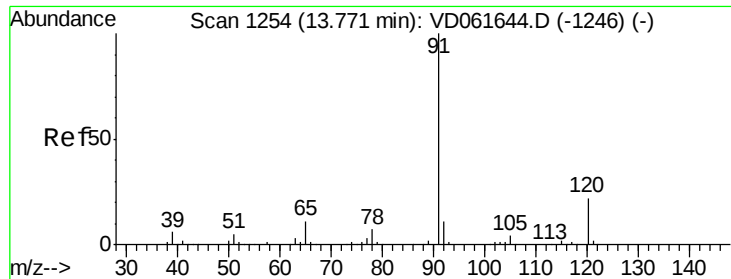
77 153.3 15.7 47.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

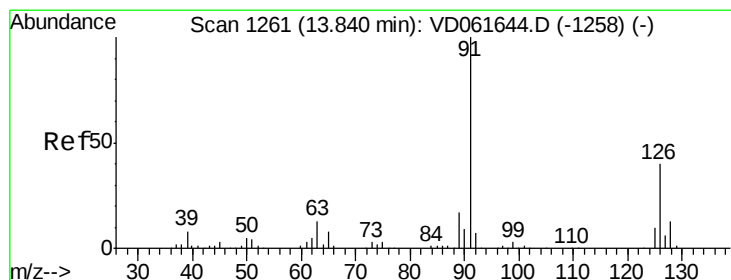
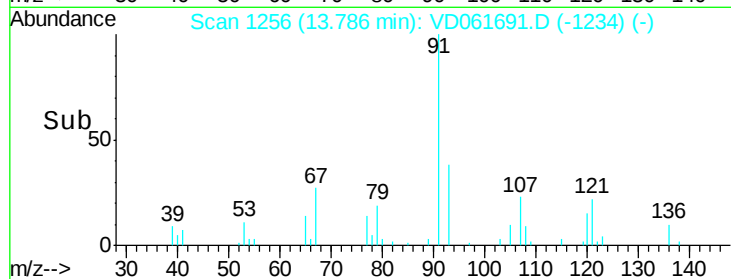
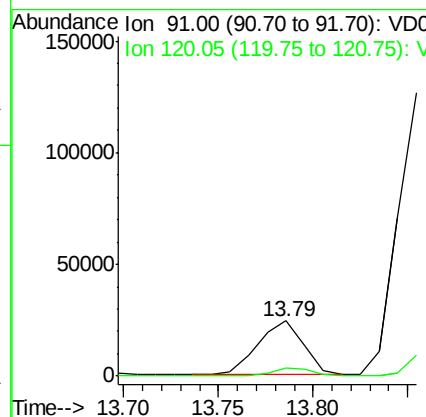
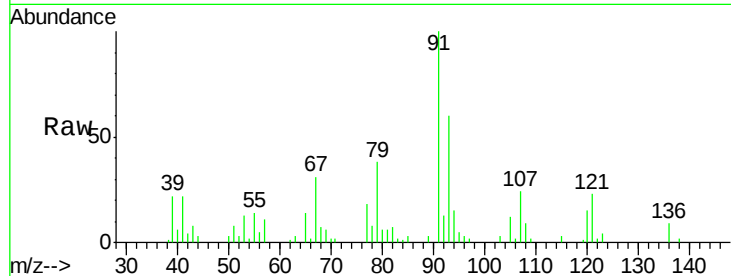




#78
n-propylbenzene
Concen: 3.681 ug/l
RT: 13.79 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

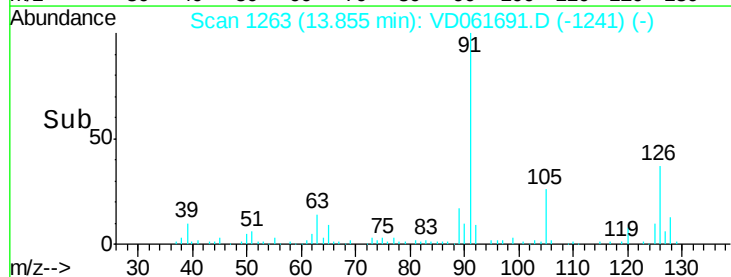
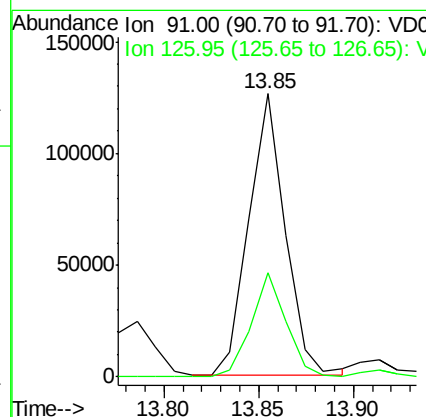
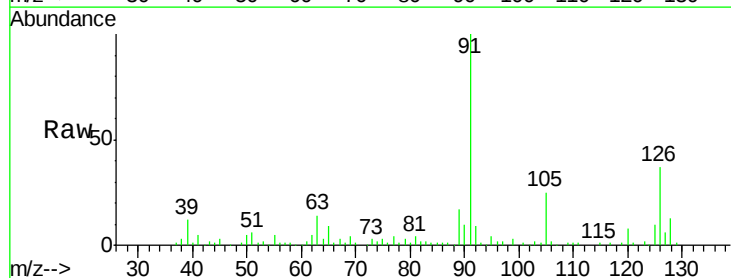
Instrument :
MSVOA_D
ClientSampled :

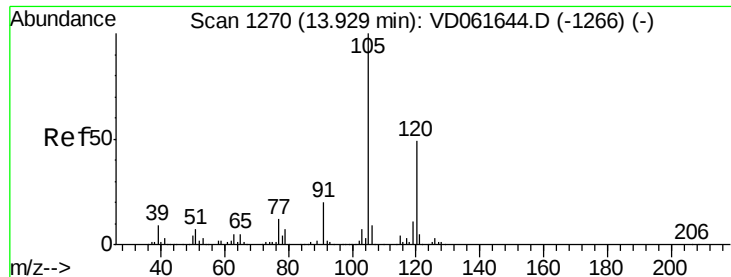
Tot Ion: 91 Resp: 40542
Ion Ratio Lower Upper
91 100
120 14.8 10.8 32.4



#79
2-Chlorotoluene
Concen: 26.882 ug/l
RT: 13.85 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

Tgt Ion: 91 Resp: 169313
Ion Ratio Lower Upper
91 100
126 36.8 20.0 59.9





#80

1,3,5-Trimethylbenzene

Concen: 7.305 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061691.D

Acq: 9 Apr 2019 22:48

Instrument :

MSVOA_D

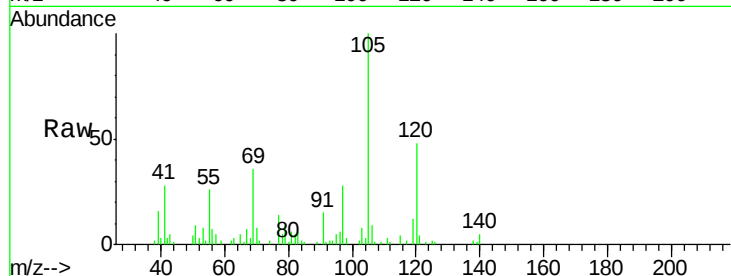
ClientSampled :

Tot Ion:105 Resp: 53387

Ion Ratio Lower Upper

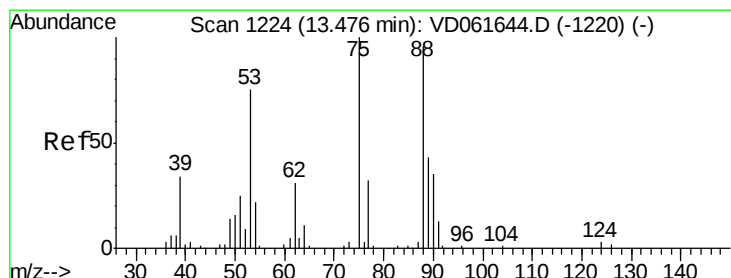
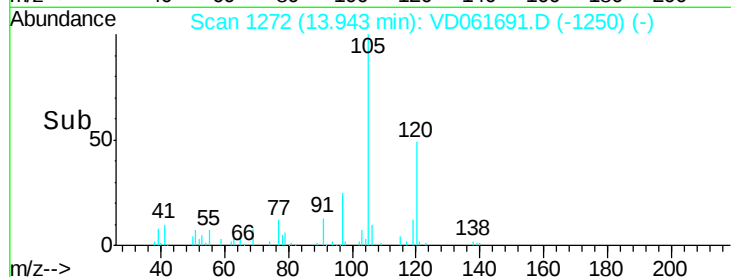
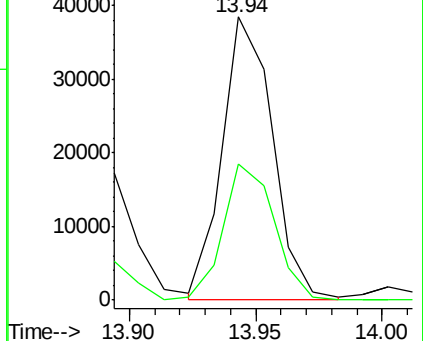
105 100

120 48.3 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#81

trans-1,4-Dichloro-2-butene

Concen: 8.729 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. -0.05 min

Lab File: VD061691.D

Acq: 9 Apr 2019 22:48

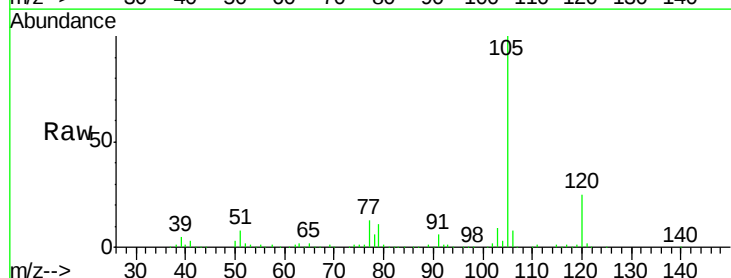
Tgt Ion: 75 Resp: 4980

Ion Ratio Lower Upper

75 100

53 118.9 60.2 90.2#

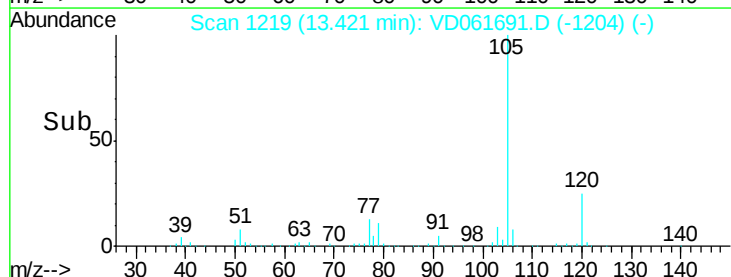
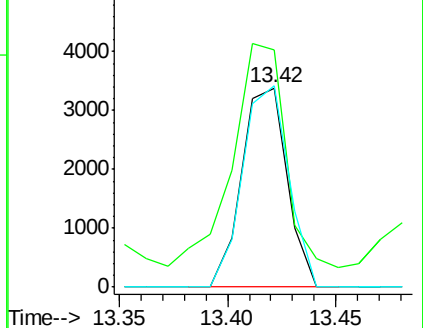
89 101.1 34.2 51.2#

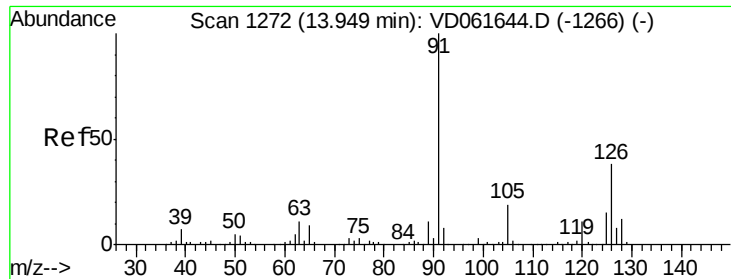


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

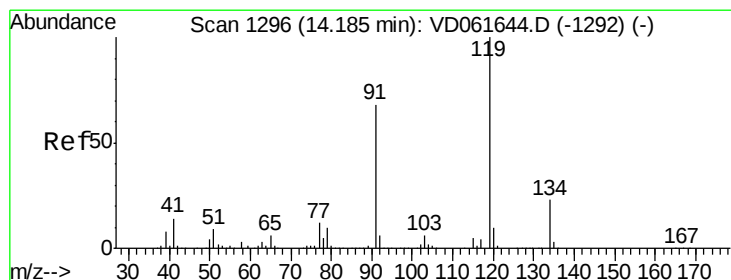
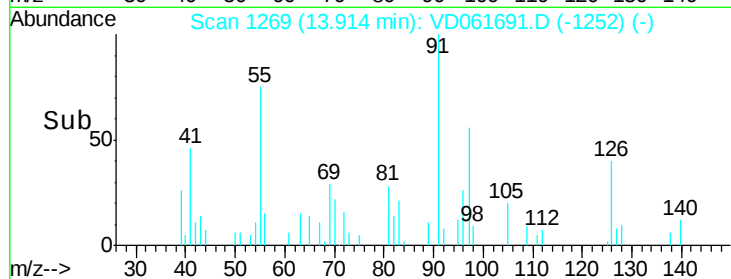
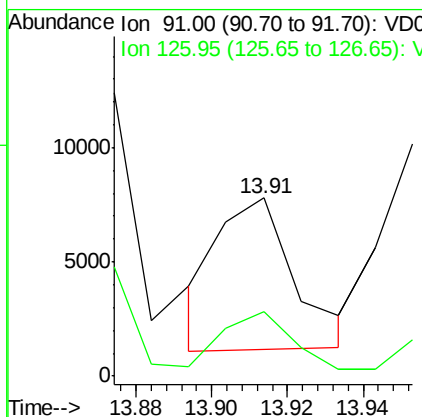
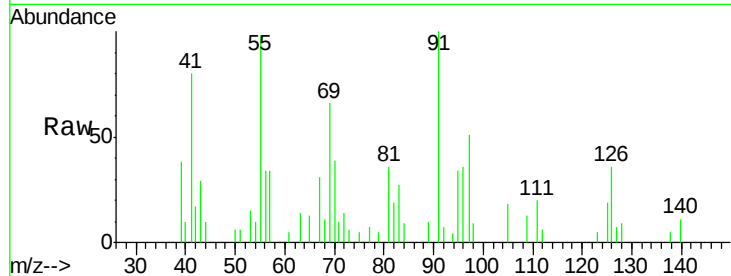




#82
4-Chlorotoluene
Concen: 1.344 ug/l
RT: 13.91 min Scan# 1269
Delta R.T. -0.03 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

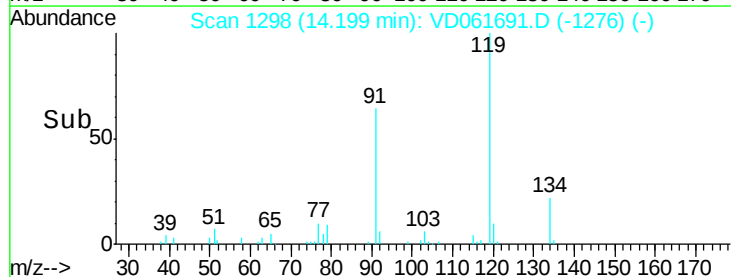
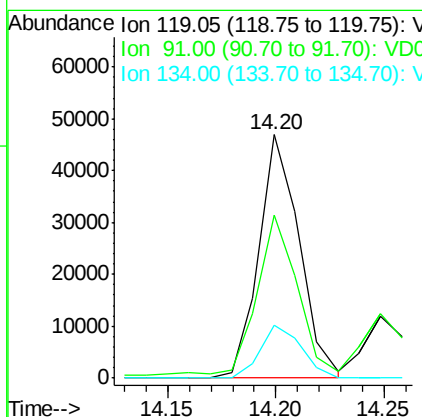
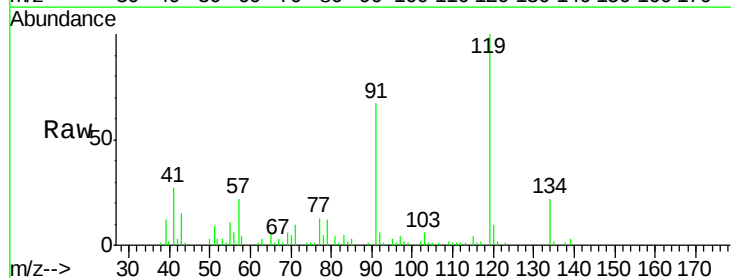
Instrument :
MSVOA_D
ClientSampleID :

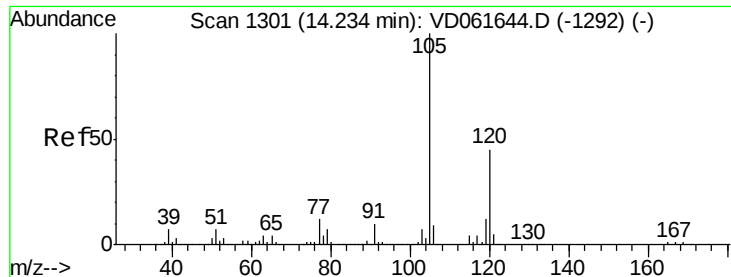
Tot Ion: 91 Resp: 9277
Ion Ratio Lower Upper
91 100
126 36.5 19.0 57.0



#83
tert-Butylbenzene
Concen: 6.957 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

Tgt Ion: 119 Resp: 61301
Ion Ratio Lower Upper
119 100
91 67.1 33.9 101.6
134 21.9 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 18.534 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.01 min

Lab File: VD061691.D

Acq: 9 Apr 2019 22:48

Instrument :

MSVOA_D

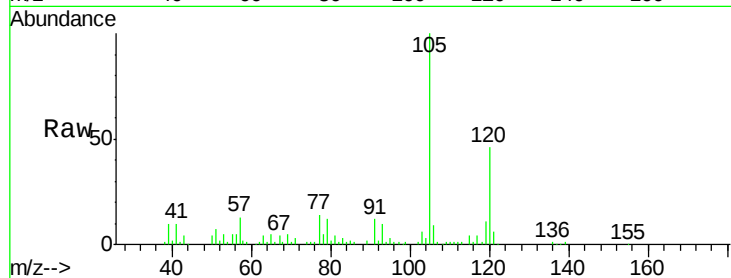
ClientSampled :

Tot Ion:105 Resp: 136697

Ion Ratio Lower Upper

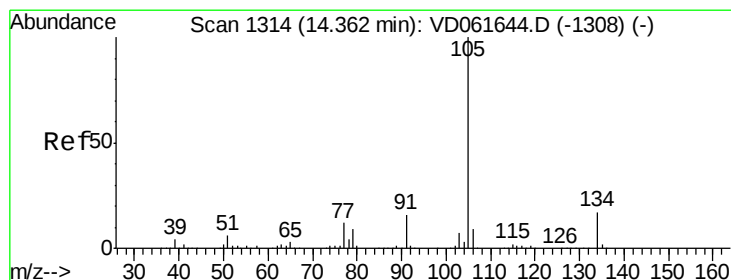
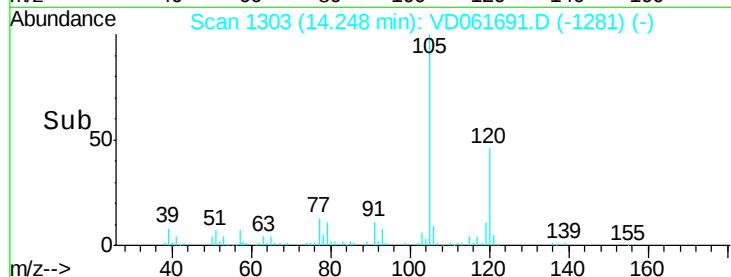
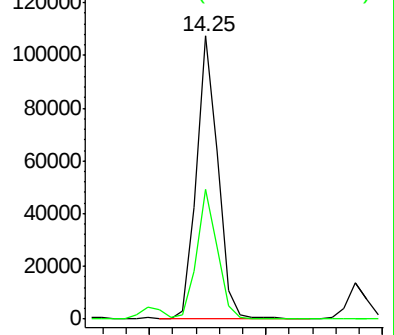
105 100

120 45.7 22.6 67.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#85

sec-Butylbenzene

Concen: 1.732 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD061691.D

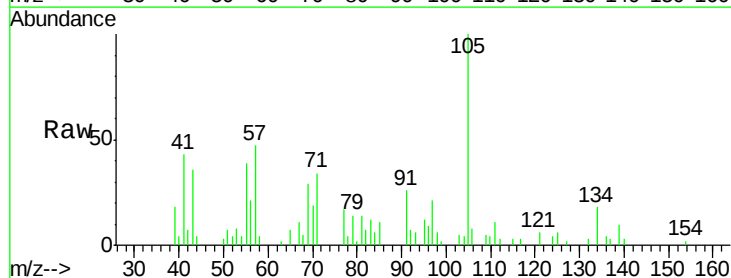
Acq: 9 Apr 2019 22:48

Tgt Ion:105 Resp: 16487

Ion Ratio Lower Upper

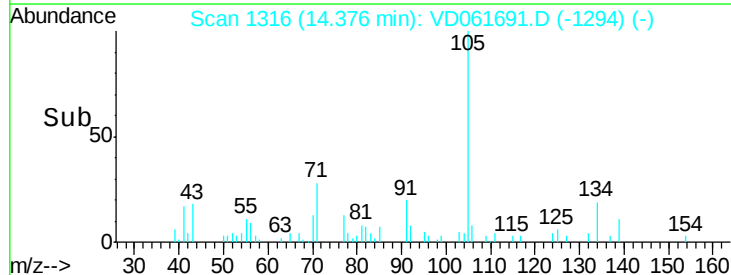
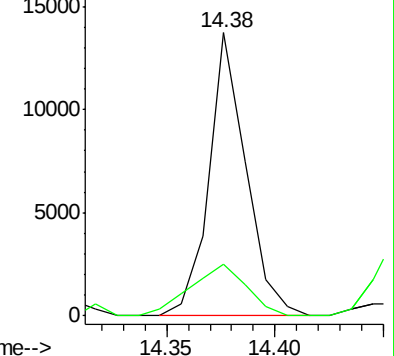
105 100

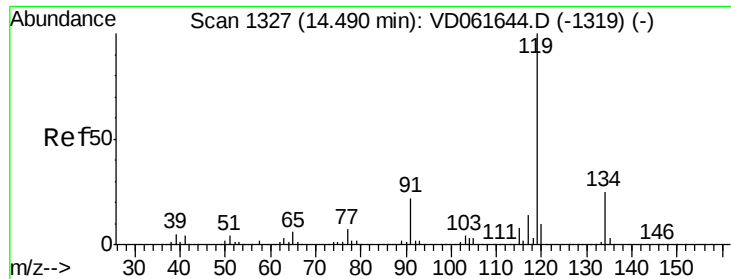
134 18.3 8.6 25.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

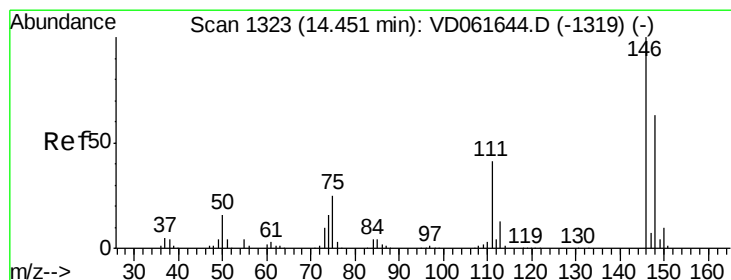
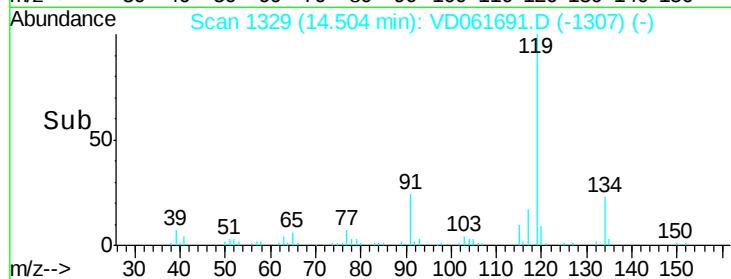
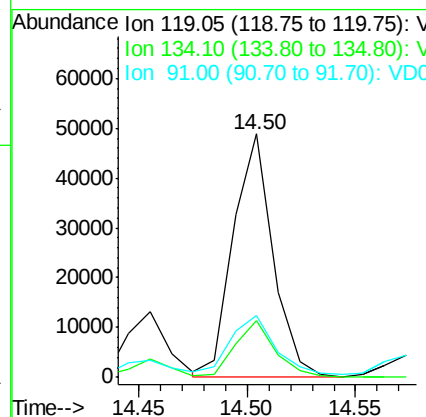
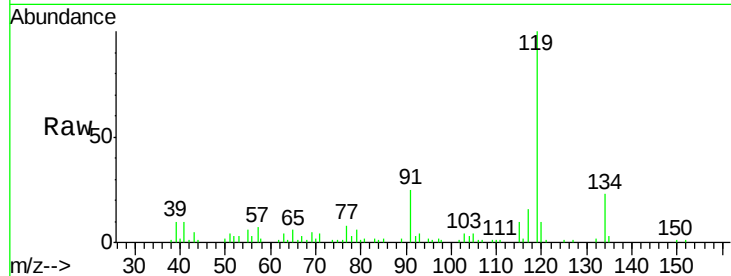




#86
p-Isopropyltoluene
Concen: 7.573 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. 0.01 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

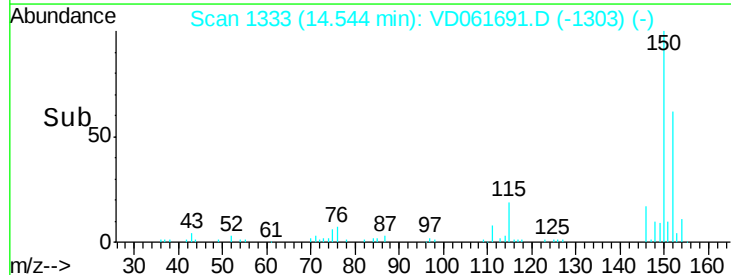
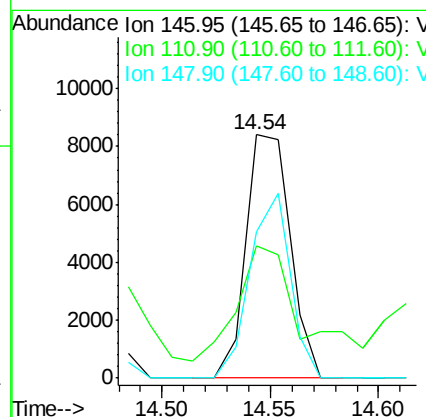
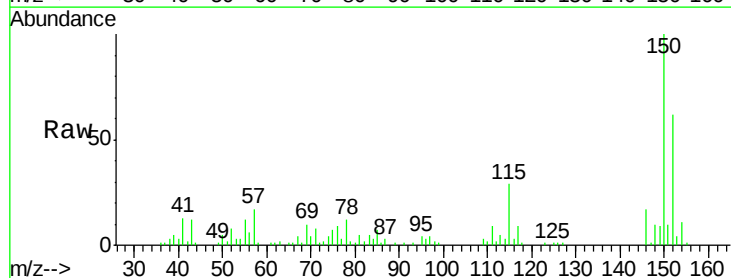
Instrument :
MSVOA_D
ClientSampled :

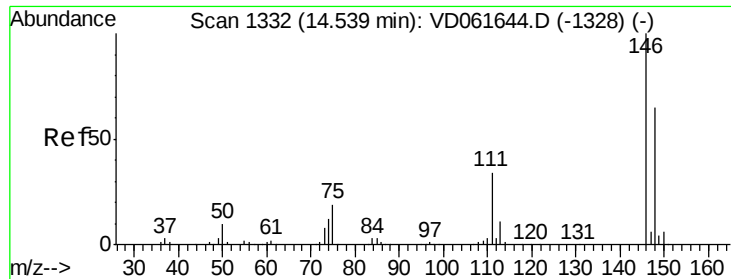
Tot Ion:119 Resp: 62539
Ion Ratio Lower Upper
119 100
134 23.1 12.5 37.5
91 25.3 11.0 33.0



#87
1,3-Dichlorobenzene
Concen: 2.592 ug/l
RT: 14.54 min Scan# 1333
Delta R.T. 0.09 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

Tgt Ion:146 Resp: 11921
Ion Ratio Lower Upper
146 100
111 54.3 20.3 61.0
148 60.0 31.7 95.1





#88

1,4-Dichlorobenzene

Concen: 2.569 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.00 min

Lab File: VD061691.D

Acq: 9 Apr 2019 22:48

Instrument :

MSVOA_D

ClientSampled :

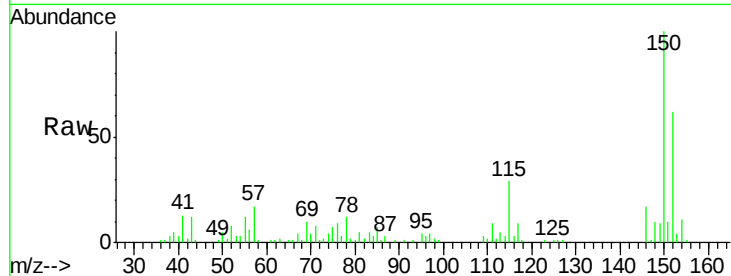
Tot Ion:146 Resp: 11921

Ion Ratio Lower Upper

146 100

111 54.3 17.1 51.2#

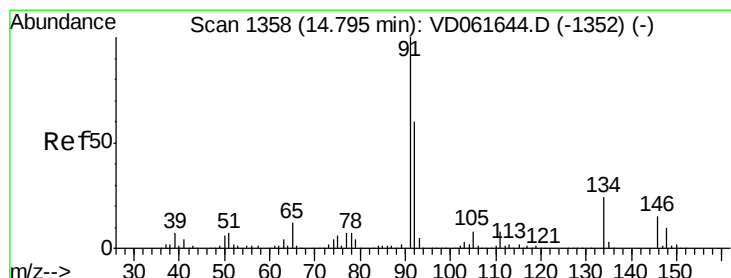
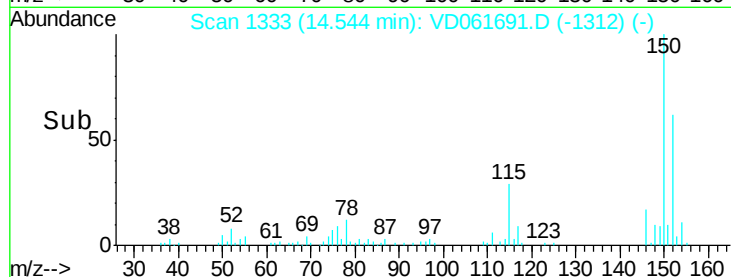
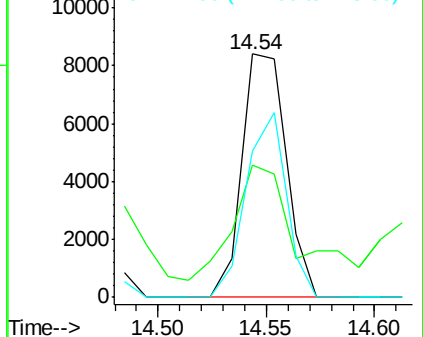
148 60.0 32.6 97.7



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: 2.816 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD061691.D

Acq: 9 Apr 2019 22:48

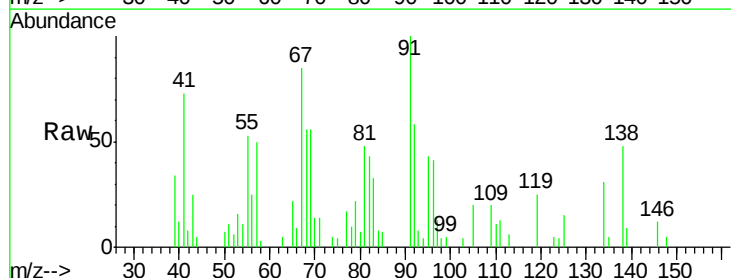
Tgt Ion: 91 Resp: 20217

Ion Ratio Lower Upper

91 100

92 57.6 29.8 89.4

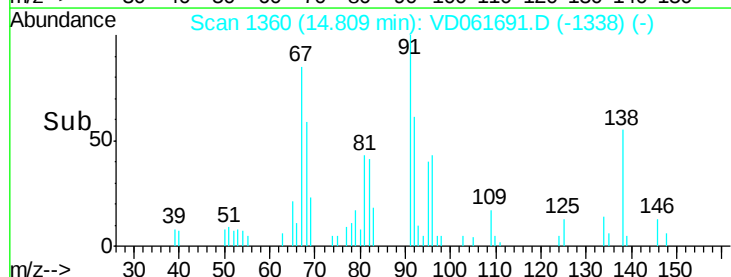
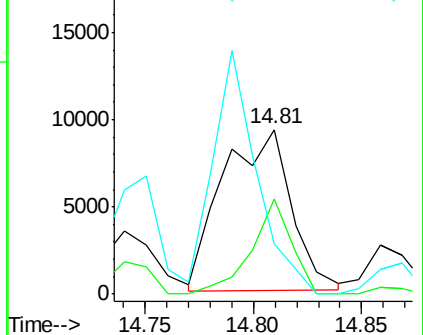
134 30.6 12.2 36.4

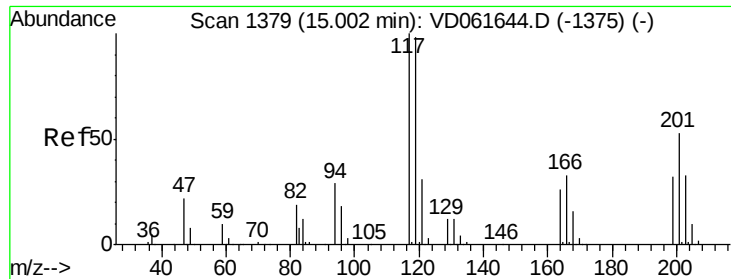


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V

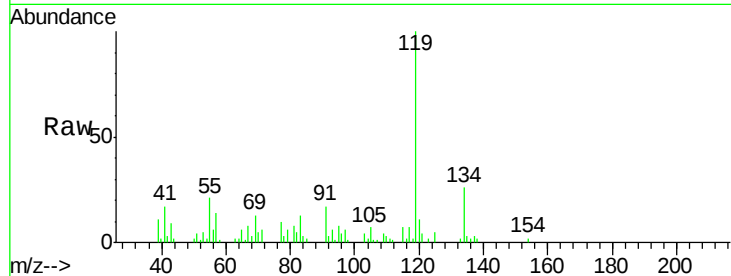




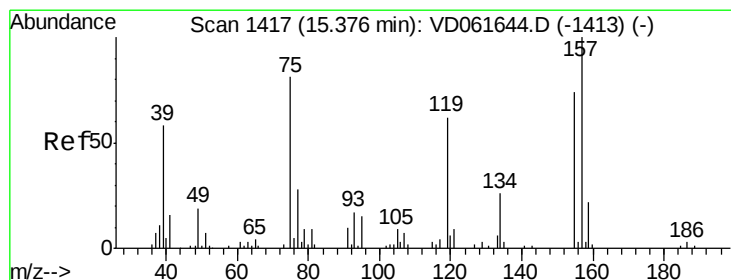
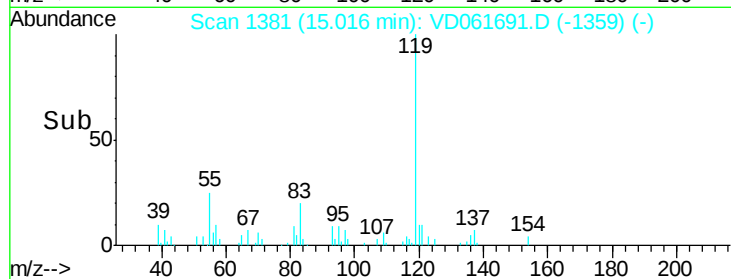
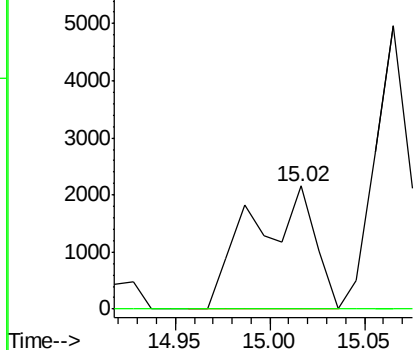
#90
Hexachloroethane
Concen: 2.205 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 4942
Ion Ratio Lower Upper
117 100
201 0.0 26.3 78.8#

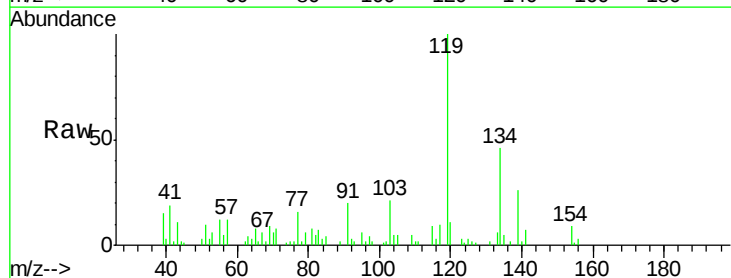


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

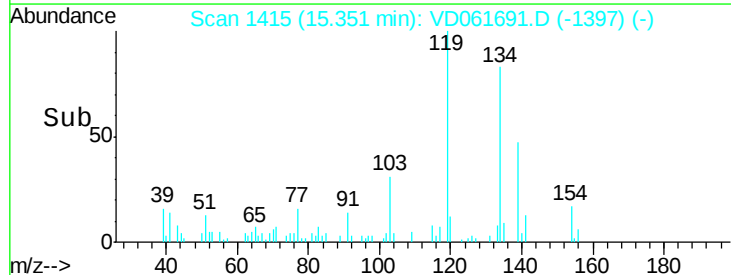
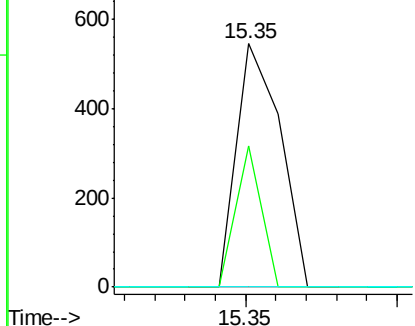


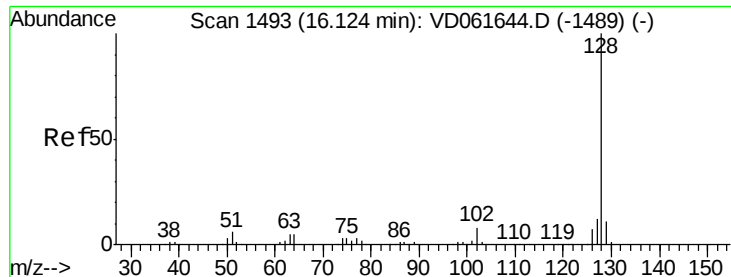
#92
1,2-Dibromo-3-Chloropropane
Concen: 2.403 ug/l
RT: 15.35 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VD061691.D
Acq: 9 Apr 2019 22:48

Tgt Ion: 75 Resp: 552
Ion Ratio Lower Upper
75 100
155 57.8 45.6 136.7
157 0.0 61.4 184.2#



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





#95

Naphthalene

Concen: 11.568 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. 0.01 min

Lab File: VD061691.D

Acq: 9 Apr 2019 22:48

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128 Resp: 35349

Ion Ratio Lower Upper

128 100

127 12.5 9.4 14.2

129 10.3 8.8 13.2

