

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
 Data File : VD061720.D
 Acq On : 10 Apr 2019 18:33
 Operator : VA/AP
 Sample : K2316-08RE
 Misc : 5.03g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 11 01:08:19 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	7.06	168	460384	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	745907	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	526279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	177341	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	196730	56.37	ug/l	0.01
Spiked Amount			Recovery	=	112.74%	
35) Dibromofluoromethane	6.93	113	4013	0.78	ug/l	0.01
Spiked Amount			Recovery	=	1.56%	
50) Toluene-d8	10.42	98	627836	48.36	ug/l	0.01
Spiked Amount			Recovery	=	96.72%	
62) 4-Bromofluorobenzene	13.56	95	222081	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	1156	4.943	ug/l #	72
16) Acetone	3.22	43	101456	97.256	ug/l	96
17) Carbon Disulfide	3.40	76	338409	21.700	ug/l	98
20) Methylene Chloride	3.83	84	36470	6.161	ug/l	98
25) 2-Butanone	6.09	43	24895	20.701	ug/l	94
31) Cyclohexane	6.96	56	7821	1.190	ug/l	93
36) 1,1-Dichloropropene	7.05	75	32393	4.962	ug/l #	47
37) Ethyl Acetate	6.09	43	24895	9.363	ug/l #	68
38) Carbon Tetrachloride	7.06	117	44519	5.819	ug/l #	15
40) Benzene	7.47	78	1300588	82.583	ug/l	97
42) 1,2-Dichloroethane	7.48	62	9960	2.011	ug/l	75
52) Toluene	10.52	92	139921	14.228	ug/l	95
59) 2-Hexanone	11.49	43	6019	3.398	ug/l #	27
65) Chlorobenzene	12.41	112	209041	20.029	ug/l	100
67) Ethyl Benzene	12.53	91	209824	13.202	ug/l	99
68) m/p-Xylenes	12.66	106	152369	24.868	ug/l	95
69) o-Xylene	13.06	106	75759	12.809	ug/l	95
73) Isopropylbenzene	13.41	105	491610	41.604	ug/l	97
74) N-amyl acetate	13.22	43	20732	6.457	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	13.72	83	4827	1.976	ug/l #	82
76) 1,2,3-Trichloropropane	13.84	75	3892	1.613	ug/l #	1
78) n-propylbenzene	13.78	91	40730	2.882	ug/l	92
79) 2-Chlorotoluene	13.84	91	156112	19.313	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	47200	5.033	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.41	75	4688	6.403	ug/l #	35
82) 4-Chlorotoluene	13.94	91	12312	1.390	ug/l	74
83) tert-Butylbenzene	14.19	119	58601	5.182	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	116722	12.331	ug/l	94
85) sec-Butylbenzene	14.37	105	15939	1.305	ug/l	97
86) p-Isopropyltoluene	14.49	119	58007	5.473	ug/l	98
87) 1,3-Dichlorobenzene	14.54	146	12599	2.134	ug/l	89
88) 1,4-Dichlorobenzene	14.54	146	12599	2.115	ug/l #	87
89) n-Butylbenzene	14.80	91	18931	2.055	ug/l #	90
90) Hexachloroethane	15.01	117	5006	1.741	ug/l #	26

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 11 01:08:19 2019
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 10:04:03 2019
Response via : Initial Calibration

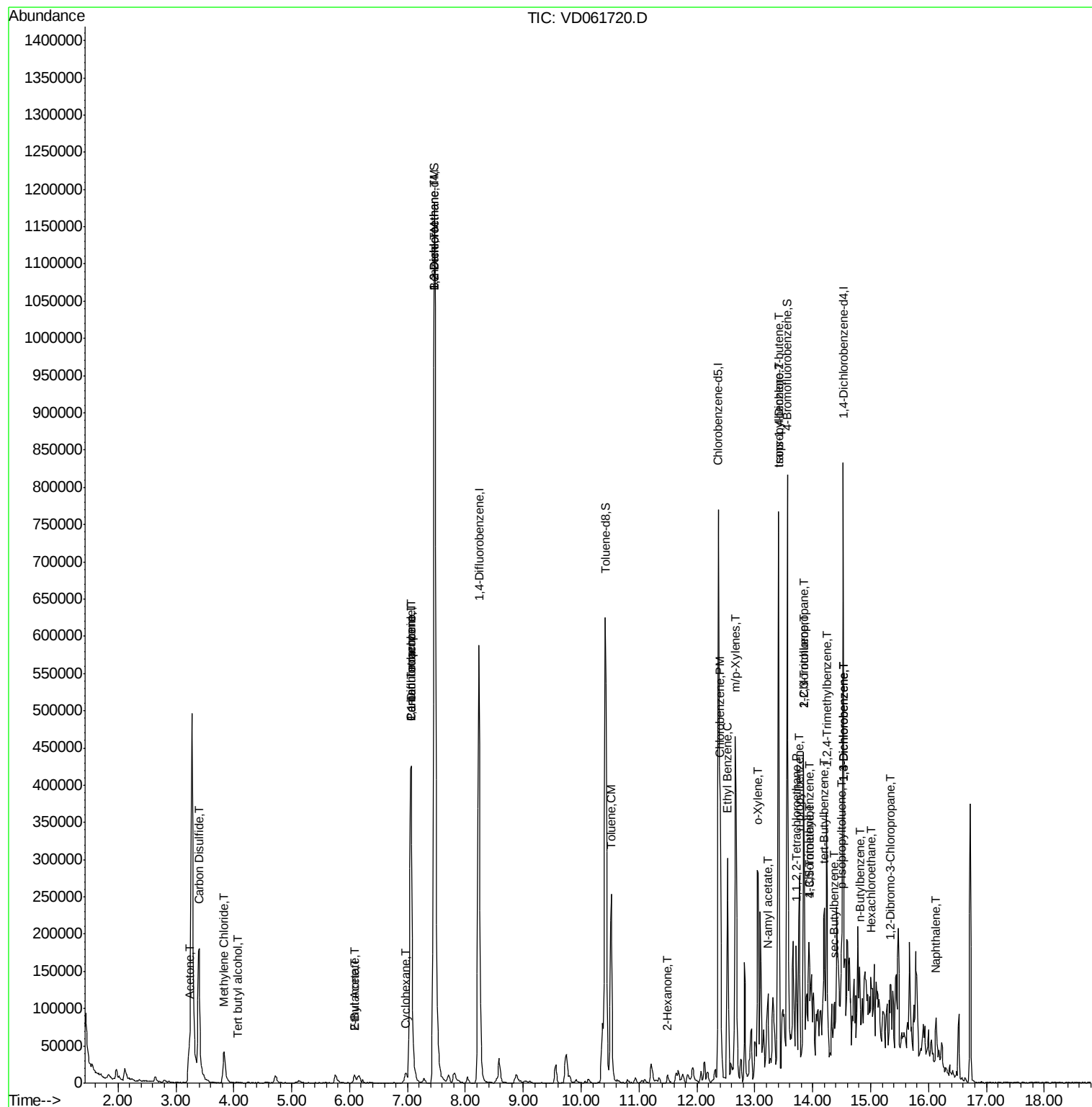
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	15.34	75	630	2.137	ug/l #	1
95) Naphthalene	16.13	128	40095	10.224	ug/l	98

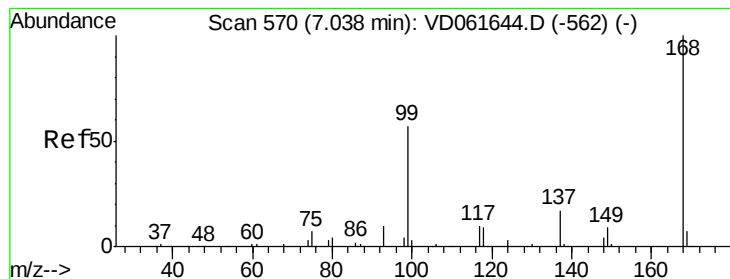
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD061720.D

Acq: 10 Apr 2019 18:33

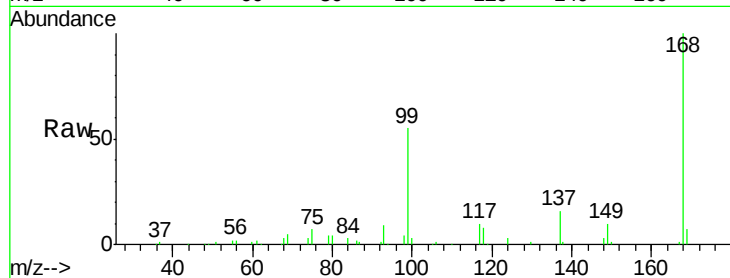
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 460384

Ion Ratio Lower Upper

168 100

99 55.1 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

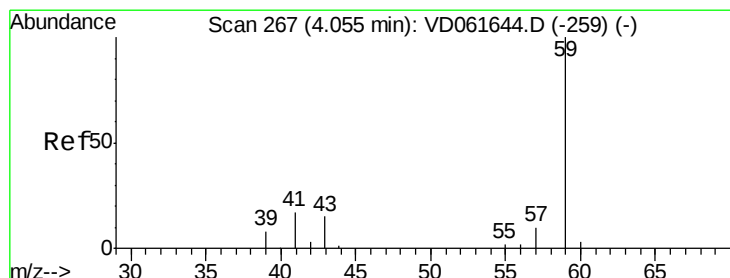
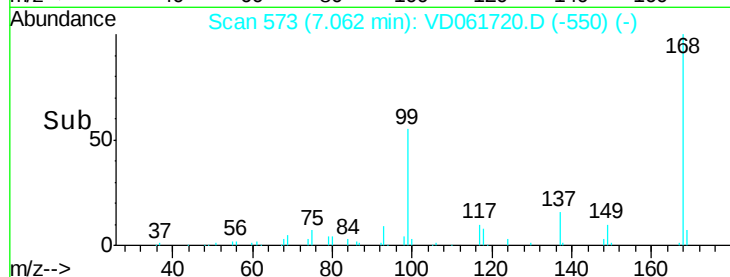
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 4.943 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD061720.D

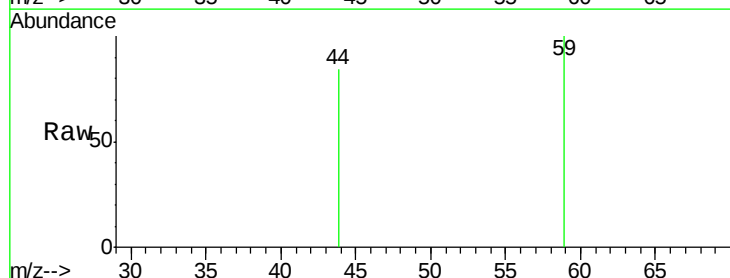
Acq: 10 Apr 2019 18:33

Tgt Ion: 59 Resp: 1156

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

4.07

500

400

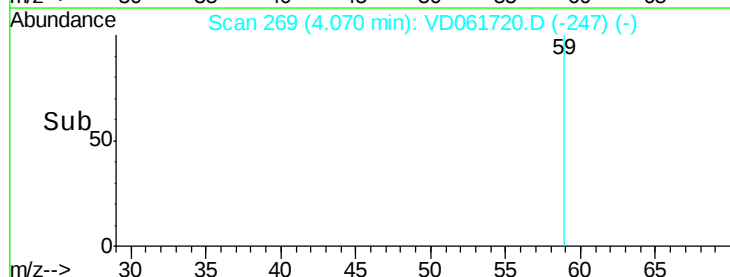
300

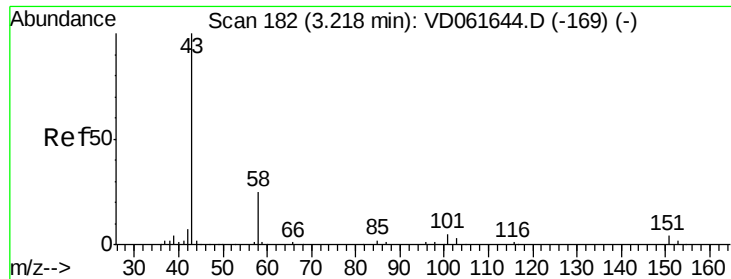
200

100

0

Time--> 4.00 4.05 4.10





#16

Acetone

Concen: 97.256 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061720.D

Acq: 10 Apr 2019 18:33

Instrument :

MSVOA_D

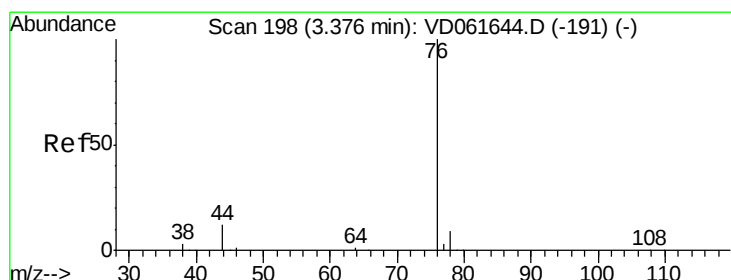
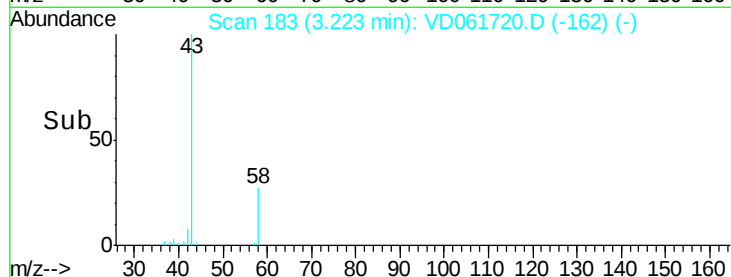
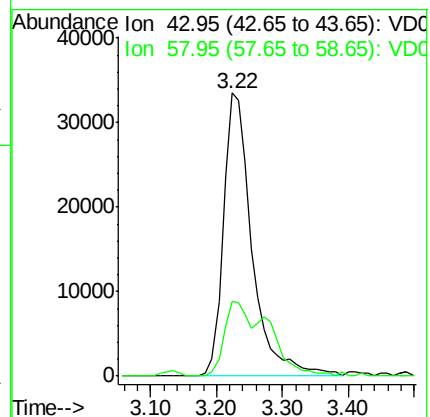
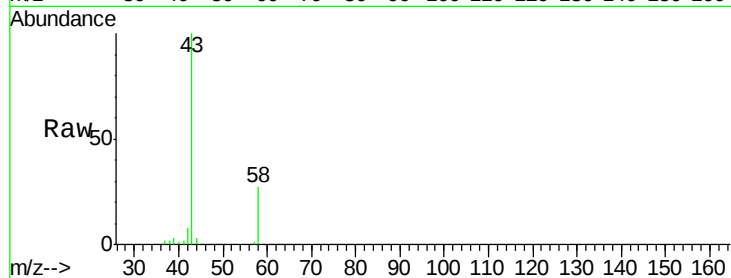
ClientSampleId :

Tot Ion: 43 Resp: 101456

Ion Ratio Lower Upper

43 100

58 26.6 19.7 29.5



#17

Carbon Disulfide

Concen: 21.700 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.02 min

Lab File: VD061720.D

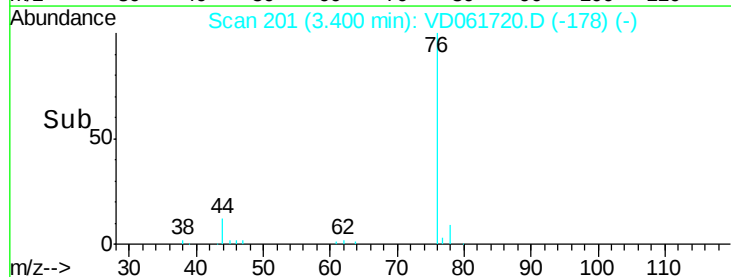
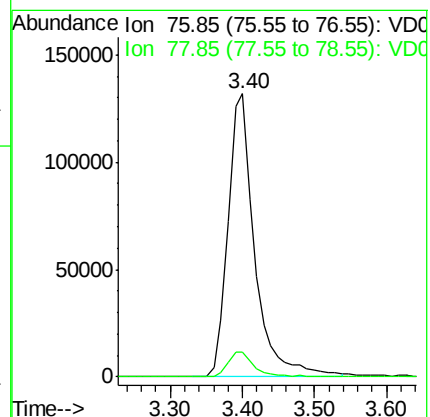
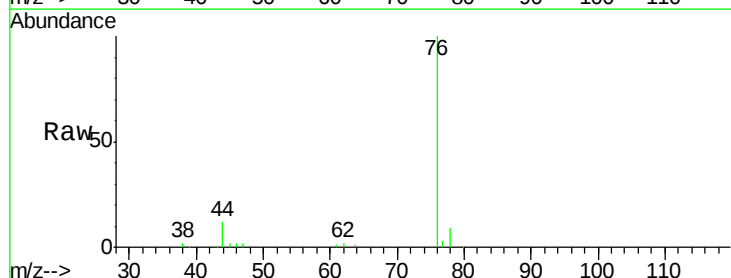
Acq: 10 Apr 2019 18:33

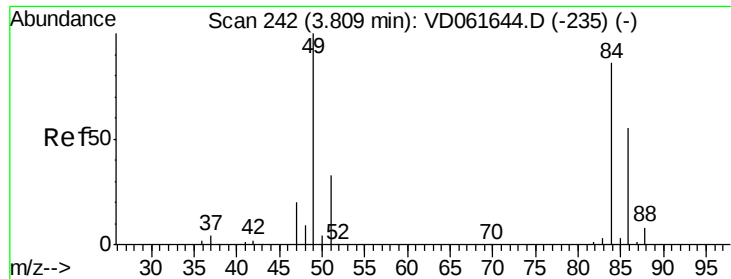
Tgt Ion: 76 Resp: 338409

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2

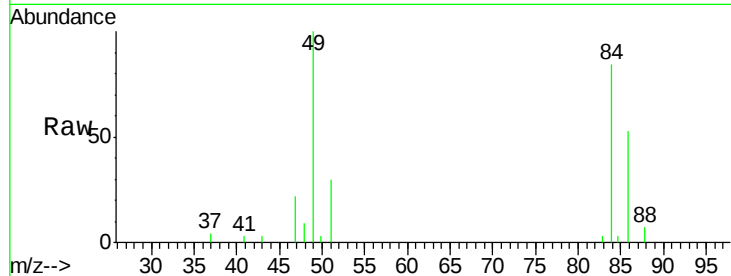




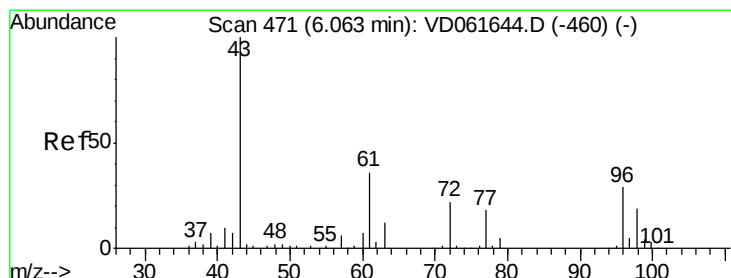
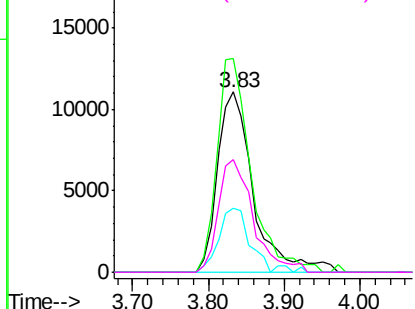
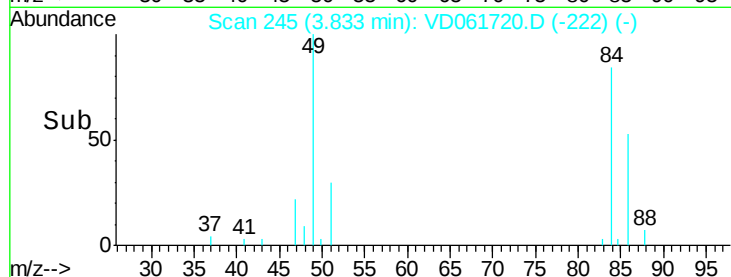
#20
Methvlene Chloride
Concen: 6.161 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD061720.D
Acq: 10 Apr 2019 18:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 36470
Ion Ratio Lower Upper
84 100
49 118.5 93.0 139.4
51 35.6 30.4 45.6
86 62.5 51.0 76.4

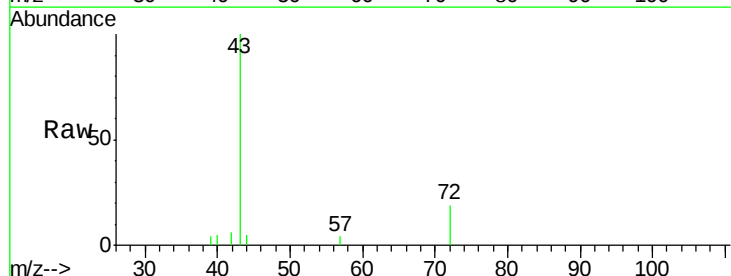


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

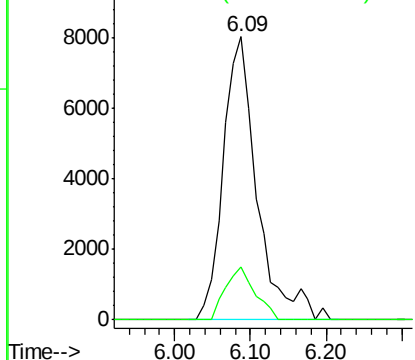
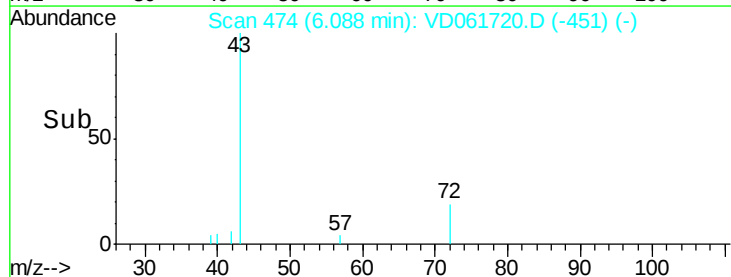


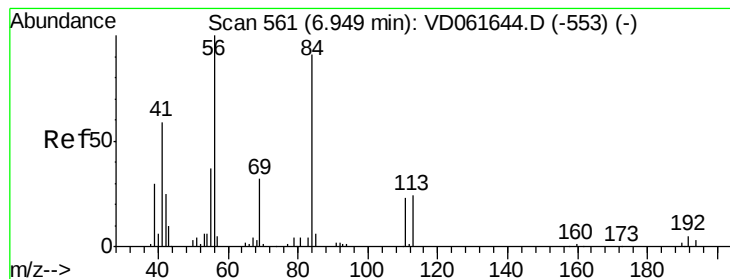
#25
2-Butanone
Concen: 20.701 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.02 min
Lab File: VD061720.D
Acq: 10 Apr 2019 18:33

Tgt Ion: 43 Resp: 24895
Ion Ratio Lower Upper
43 100
72 18.8 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: 1.190 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD061720.D

Acq: 10 Apr 2019 18:33

Instrument :
MSVOA_D
ClientSampled :

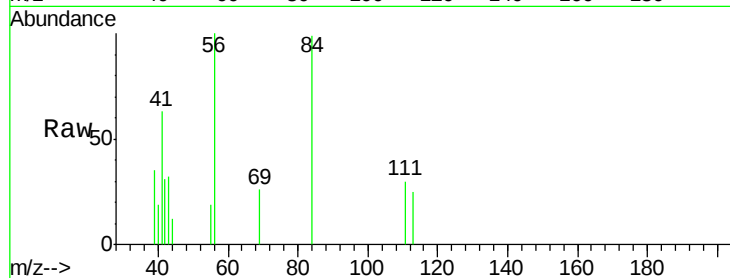
Tot Ion: 56 Resp: 7821

Ion Ratio Lower Upper

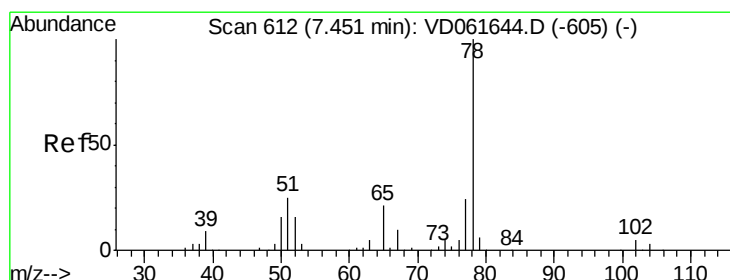
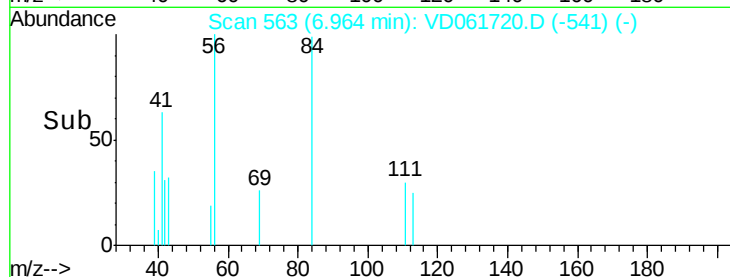
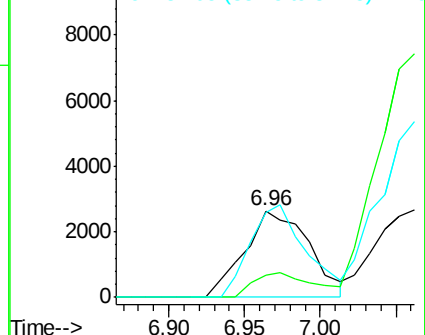
56 100

69 25.9 25.8 38.6

84 98.6 74.2 111.2



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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061720.D

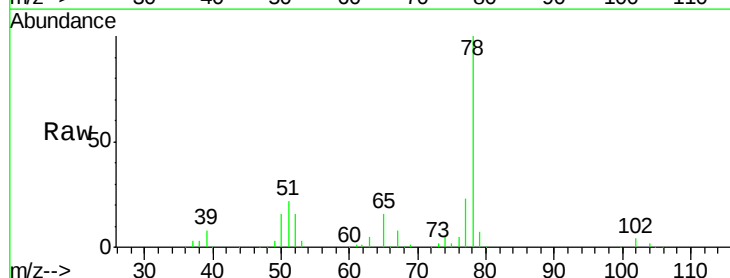
Acq: 10 Apr 2019 18:33

Tgt Ion: 65 Resp: 196730

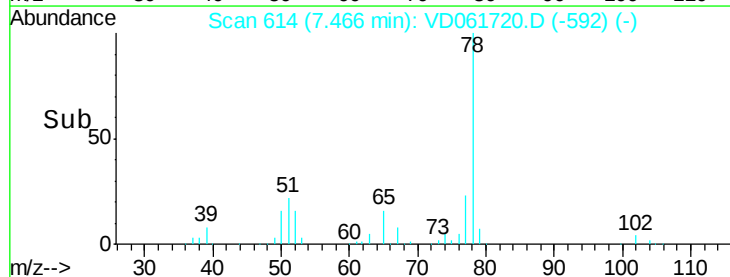
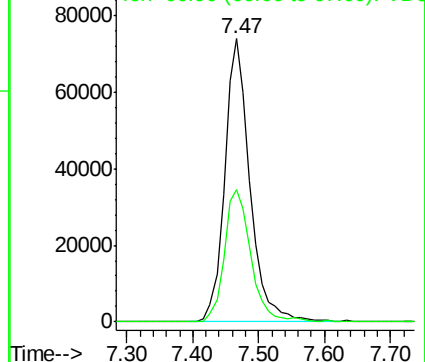
Ion Ratio Lower Upper

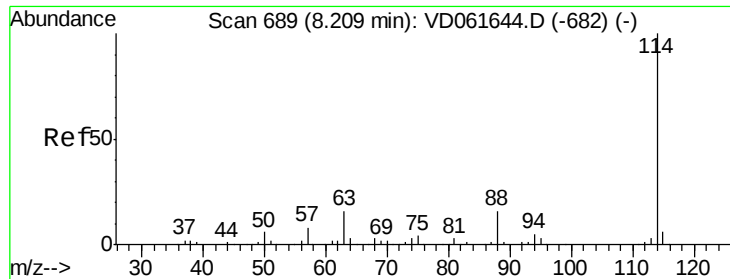
65 100

67 46.8 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

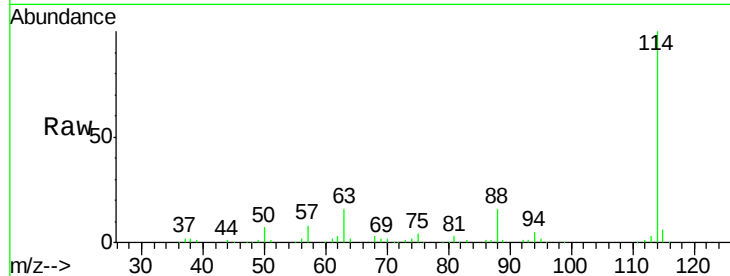




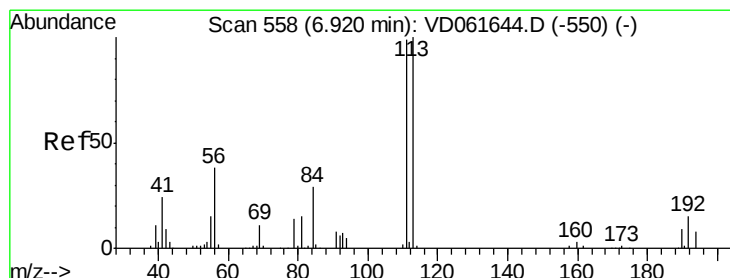
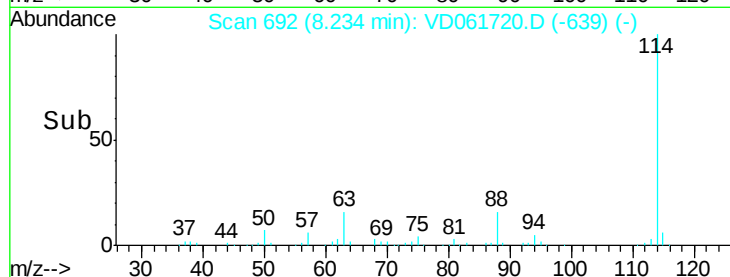
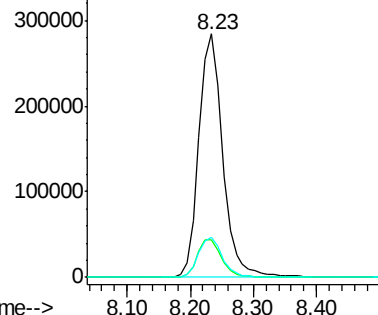
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.02 min
 Lab File: VD061720.D
 Acq: 10 Apr 2019 18:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 745907
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.2
 88 16.2 0.0 31.8

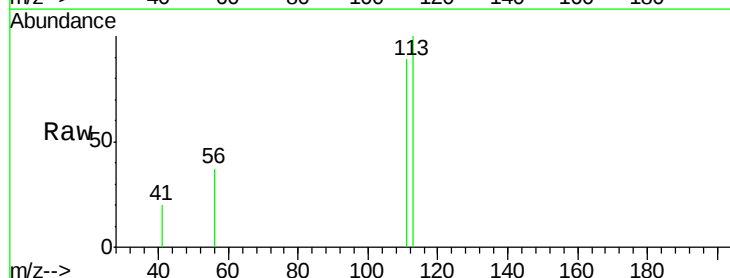


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

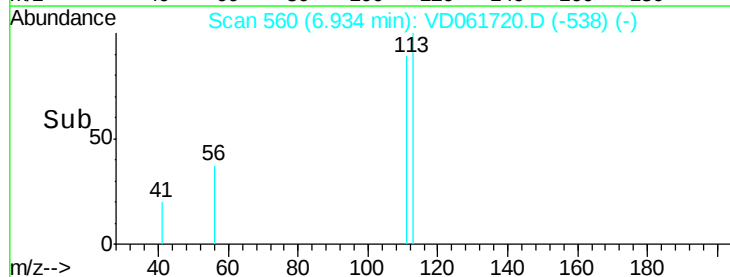
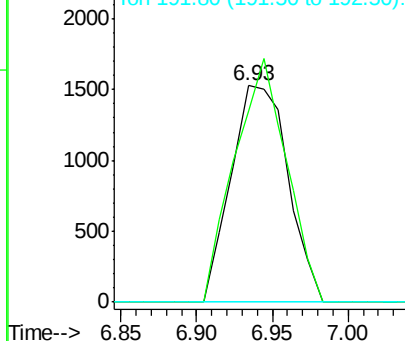


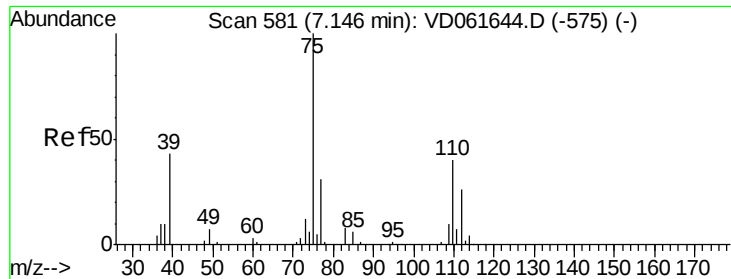
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061720.D
 Acq: 10 Apr 2019 18:33

Tgt Ion:113 Resp: 4013
 Ion Ratio Lower Upper
 113 100
 111 88.6 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

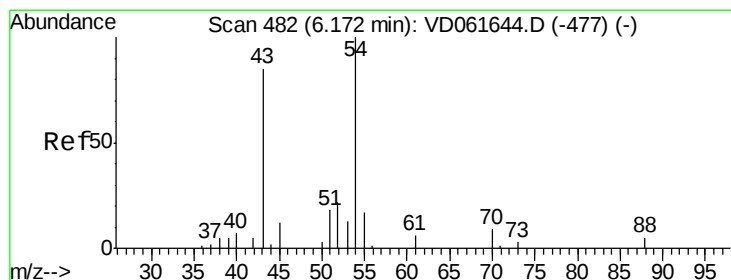
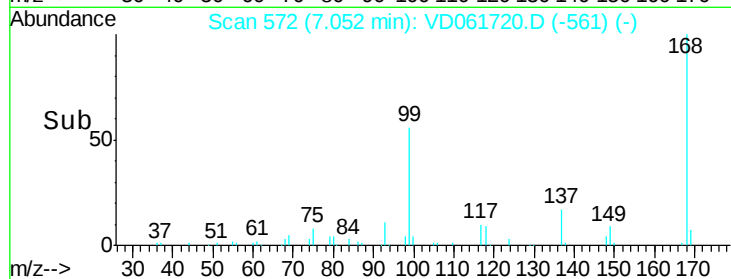
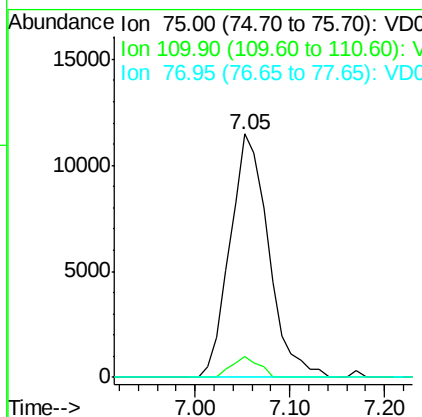
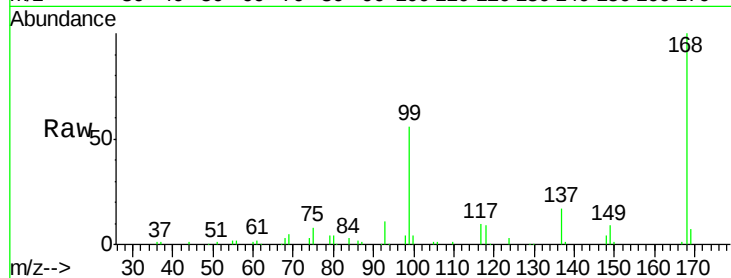




#36
 1,1-Dichloropropene
 Concen: 4.962 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD061720.D
 Acq: 10 Apr 2019 18:33

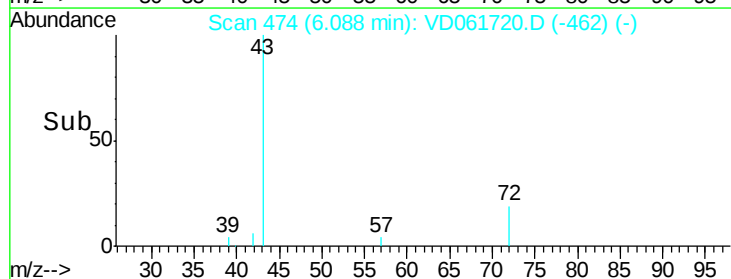
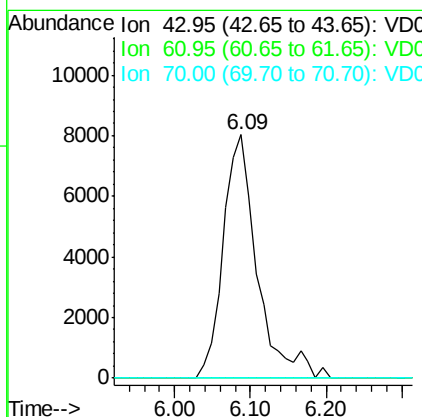
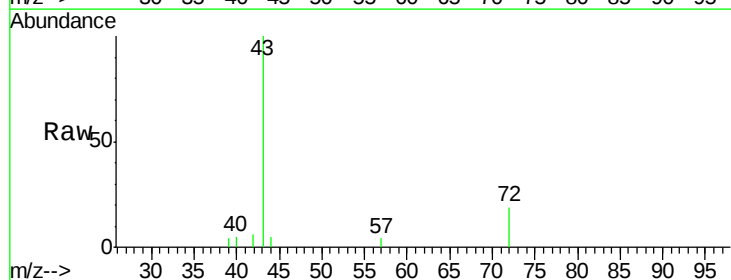
Instrument :
 MSVOA_D
 ClientSampleId :

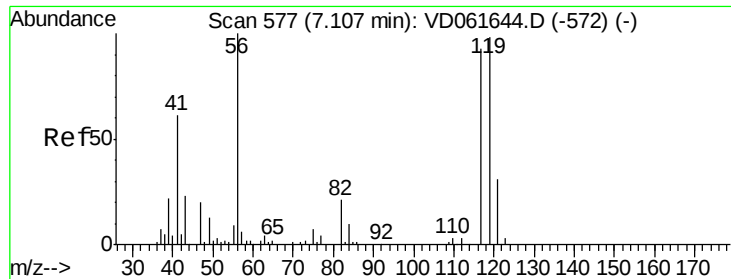
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.7	59.0#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 9.363 ug/l
 RT: 6.09 min Scan# 474
 Delta R.T. -0.08 min
 Lab File: VD061720.D
 Acq: 10 Apr 2019 18:33

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

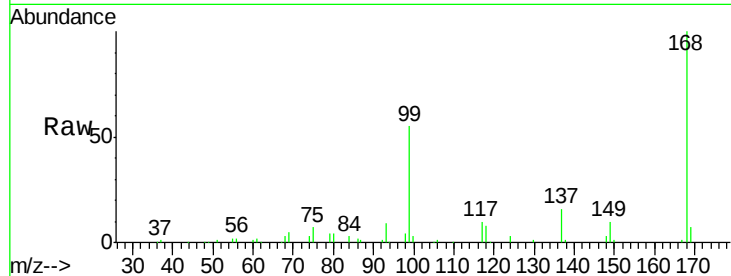




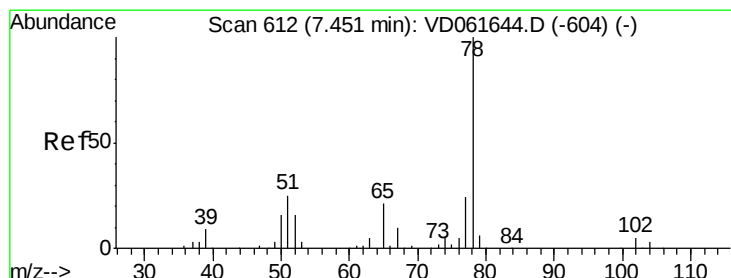
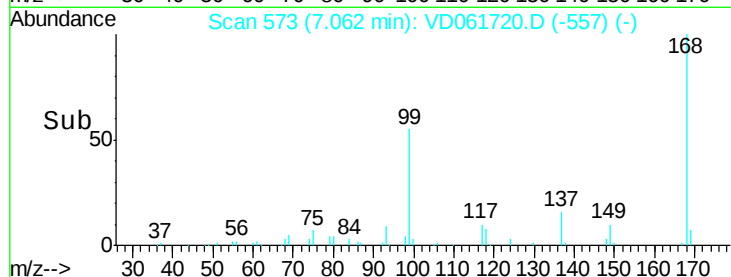
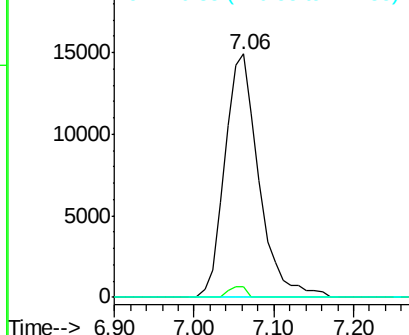
#38
Carbon Tetrachloride
Concen: 5.819 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD061720.D
Acq: 10 Apr 2019 18:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 44519
Ion Ratio Lower Upper
117 100
119 4.2 77.9 116.9#
121 0.0 24.7 37.1#

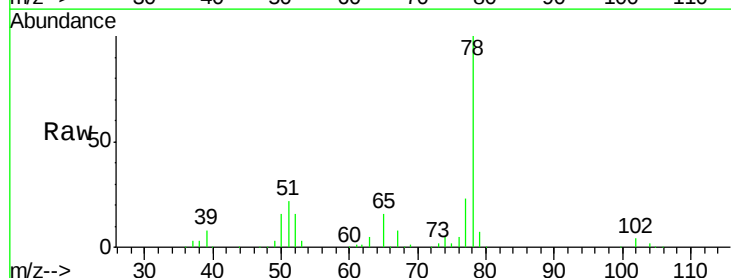


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

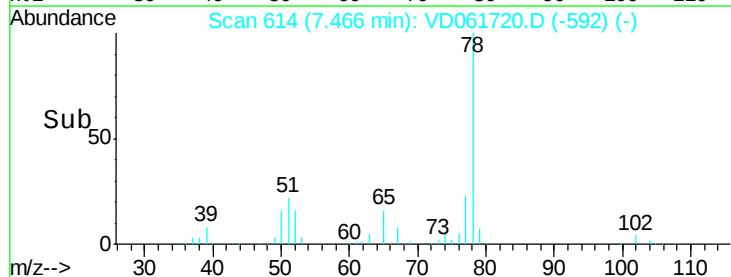
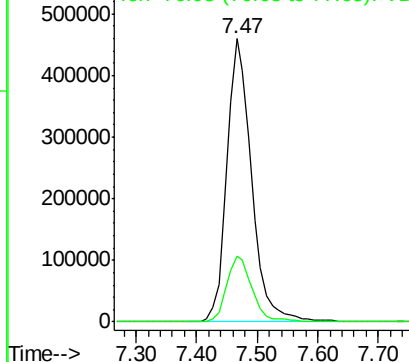


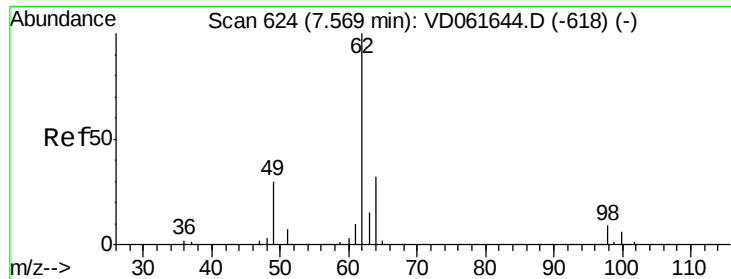
#40
Benzene
Concen: 82.583 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD061720.D
Acq: 10 Apr 2019 18:33

Tgt Ion: 78 Resp: 1300588
Ion Ratio Lower Upper
78 100
77 23.0 19.5 29.3



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

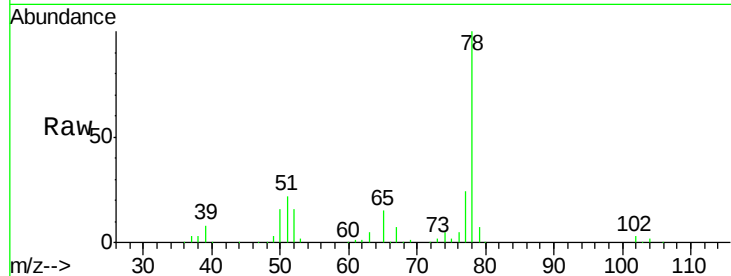




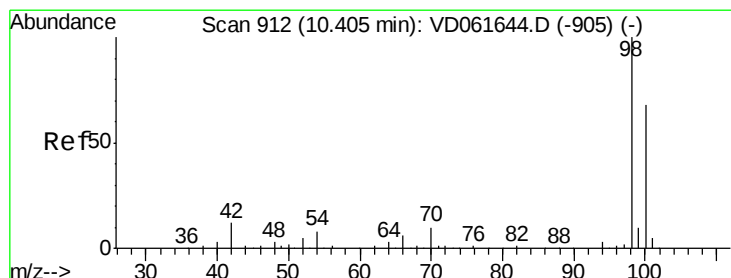
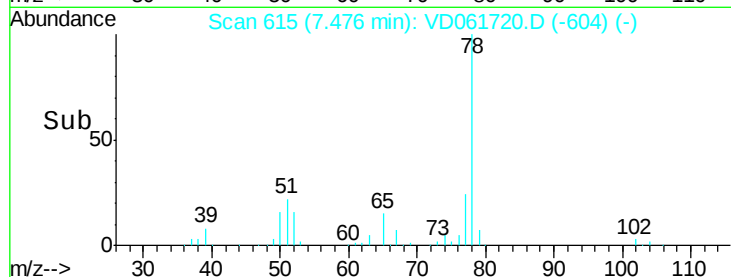
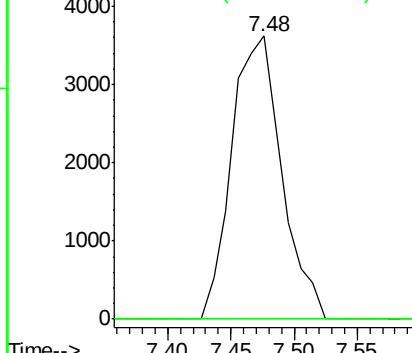
#42
 1,2-Dichloroethane
 Concen: 2.011 ug/l
 RT: 7.48 min Scan# 615
 Delta R.T. -0.09 min
 Lab File: VD061720.D
 Acq: 10 Apr 2019 18:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 62 Resp: 9960
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 17.8

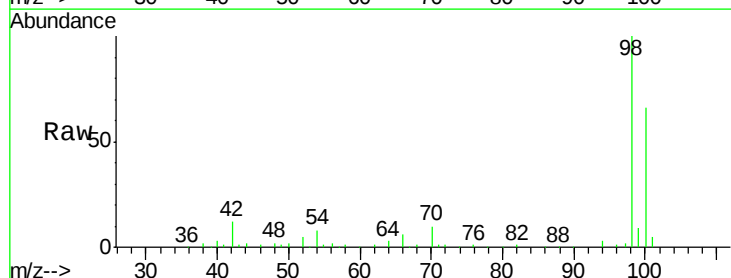


Abundance Ion 61.95 (61.65 to 62.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

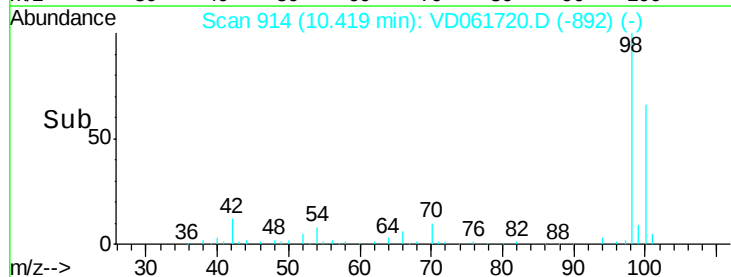
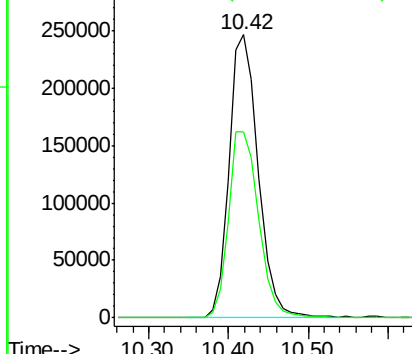


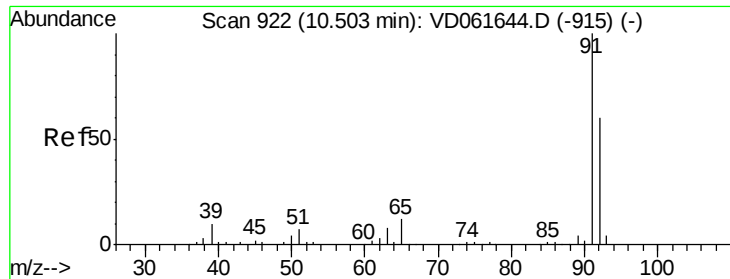
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VD061720.D
 Acq: 10 Apr 2019 18:33

Tgt Ion: 98 Resp: 627836
 Ion Ratio Lower Upper
 98 100
 100 65.8 55.4 83.0



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





#52

Toluene

Concen: 14.228 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD061720.D

Acq: 10 Apr 2019 18:33

Instrument :

MSVOA_D

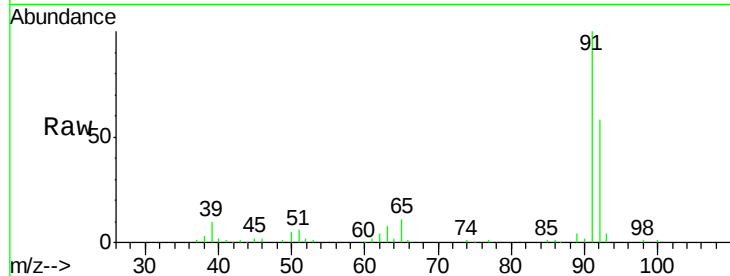
ClientSampled :

Tot Ion: 92 Resp: 139921

Ion Ratio Lower Upper

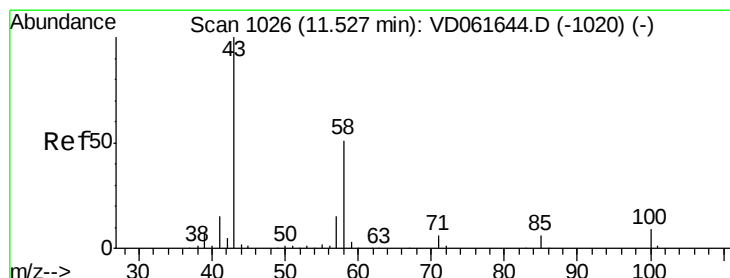
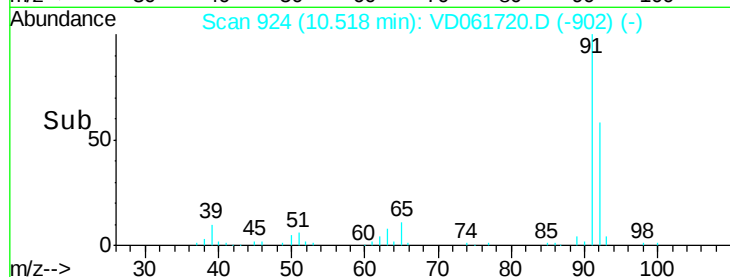
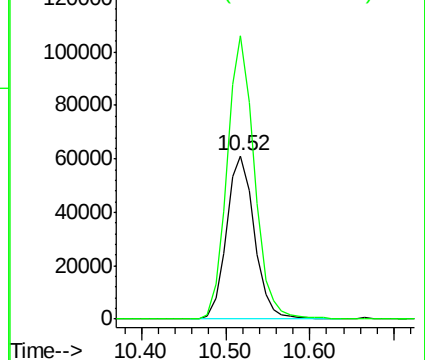
92 100

91 173.5 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#59

2-Hexanone

Concen: 3.398 ug/l

RT: 11.49 min Scan# 1023

Delta R.T. -0.03 min

Lab File: VD061720.D

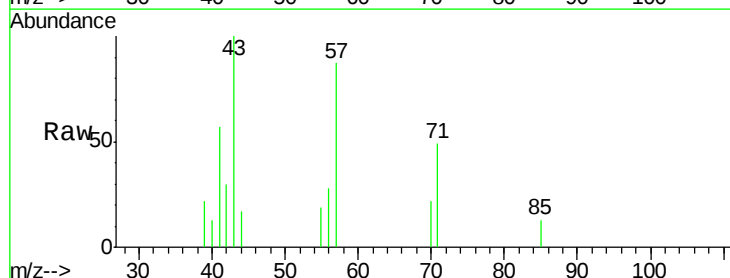
Acq: 10 Apr 2019 18:33

Tgt Ion: 43 Resp: 6019

Ion Ratio Lower Upper

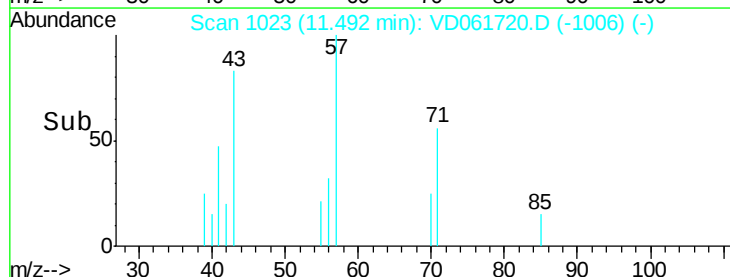
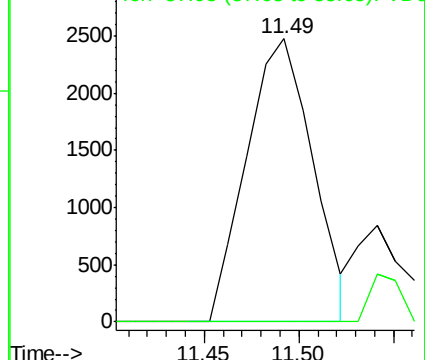
43 100

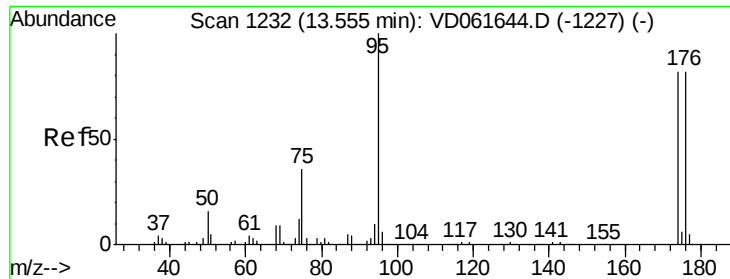
58 0.0 25.6 76.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061720.D

Acq: 10 Apr 2019 18:33

Instrument :

MSVOA_D

ClientSampleId :

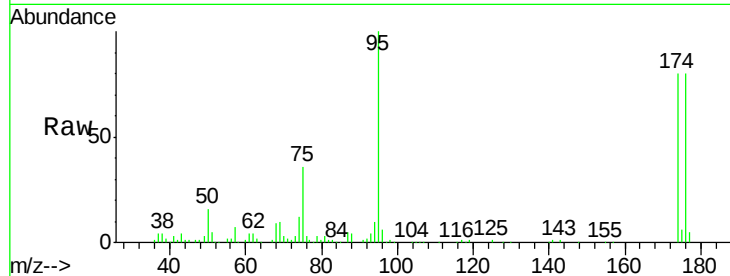
Tot Ion: 95 Resp: 222081

Ion Ratio Lower Upper

95 100

174 80.3 0.0 164.6

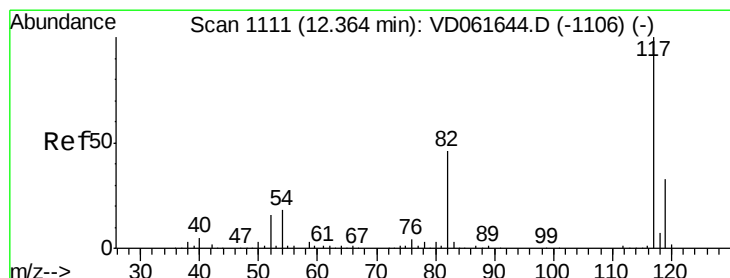
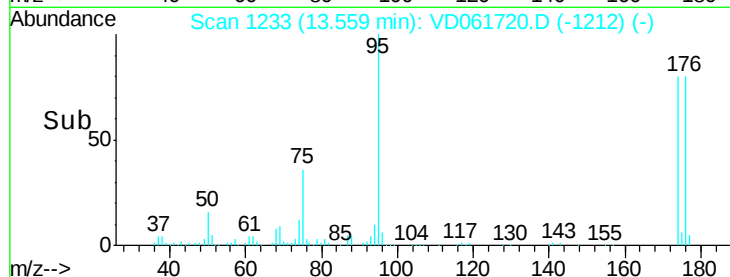
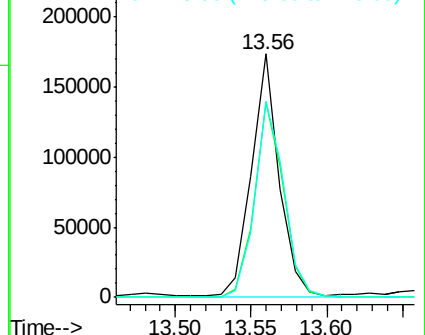
176 80.4 0.0 165.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD061720.D

Acq: 10 Apr 2019 18:33

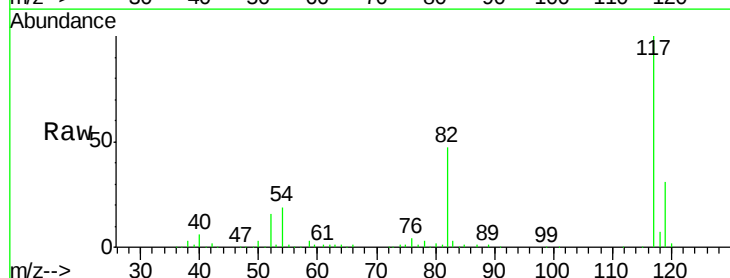
Tgt Ion: 117 Resp: 526279

Ion Ratio Lower Upper

117 100

82 47.0 36.8 55.2

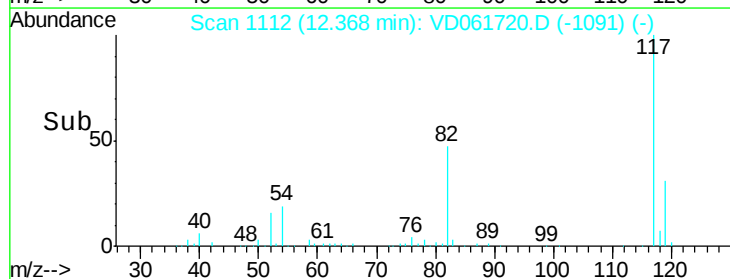
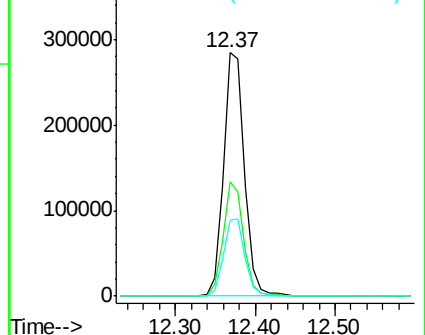
119 31.3 26.1 39.1

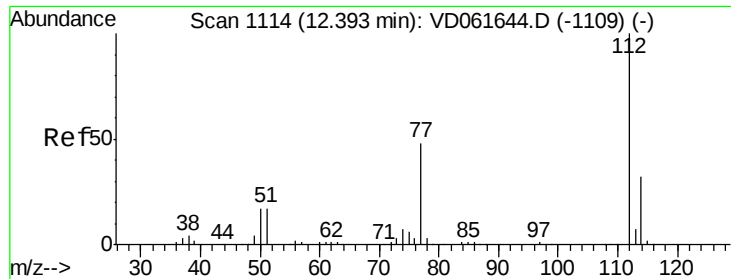


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

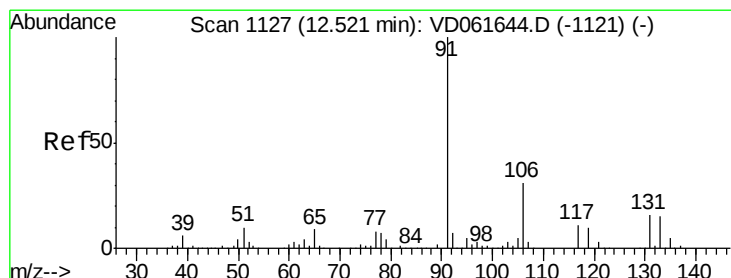
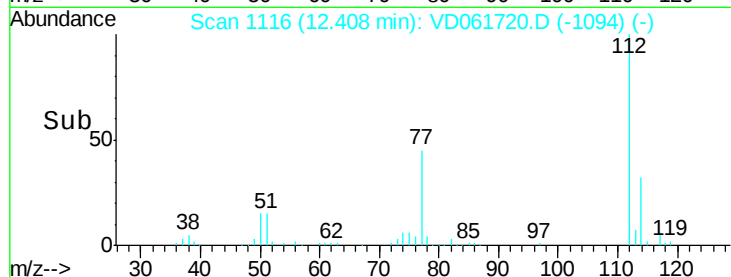
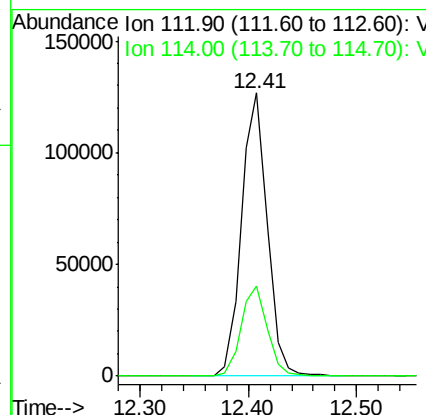
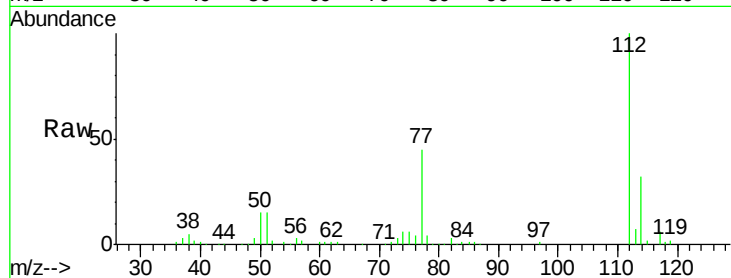




#65
Chlorobenzene
Concen: 20.029 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061720.D
Acq: 10 Apr 2019 18:33

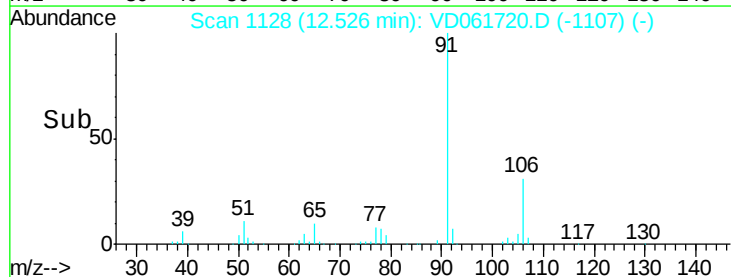
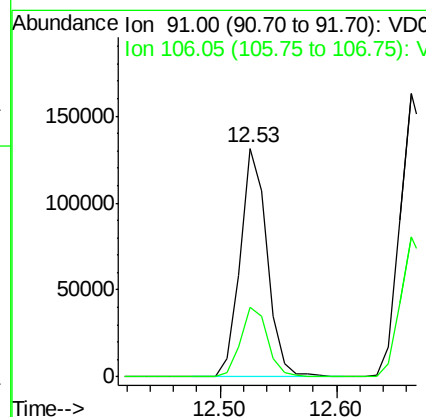
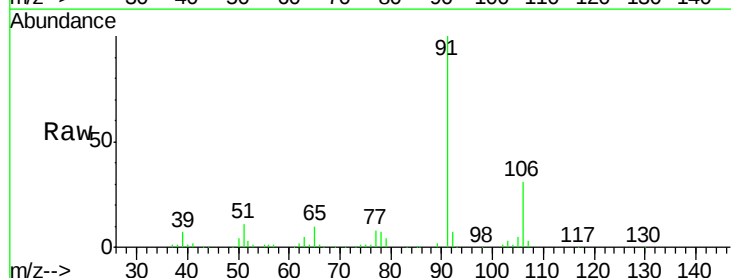
Instrument :
MSVOA_D
ClientSampleId :

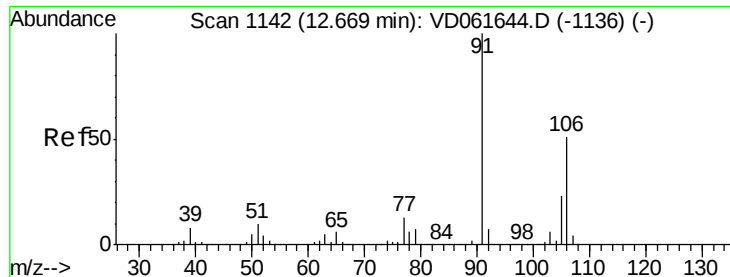
Tot Ion:112 Resp: 209041
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#67
Ethyl Benzene
Concen: 13.202 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061720.D
Acq: 10 Apr 2019 18:33

Tgt Ion: 91 Resp: 209824
Ion Ratio Lower Upper
91 100
106 30.5 24.6 37.0

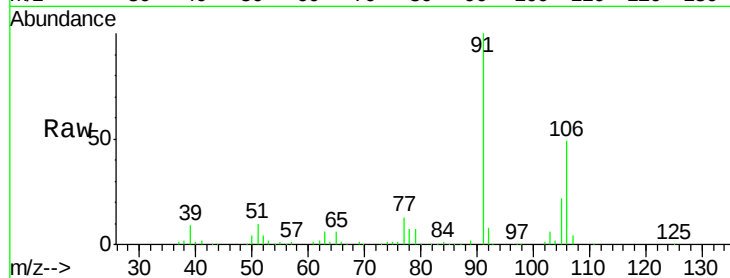




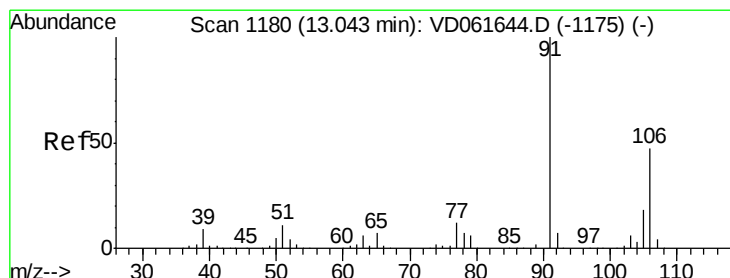
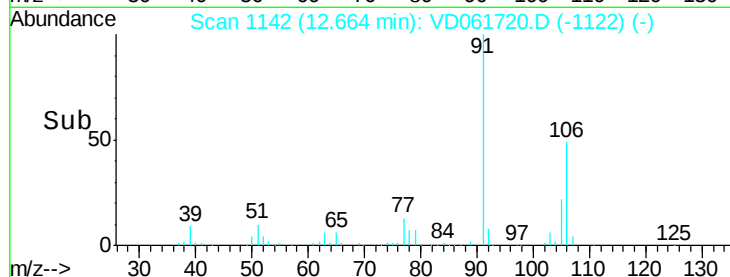
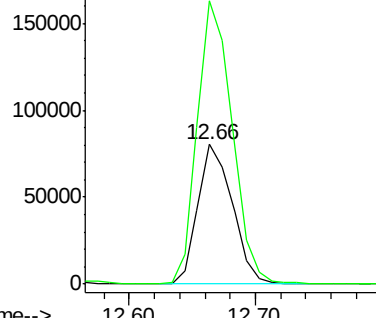
#68
m/p-Xylenes
Concen: 24.868 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VD061720.D
Acq: 10 Apr 2019 18:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 152369
Ion Ratio Lower Upper
106 100
91 203.0 156.7 235.1

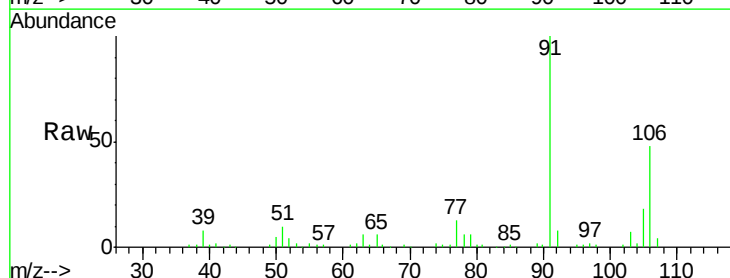


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

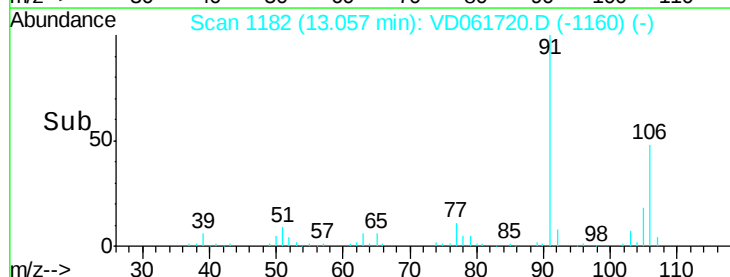
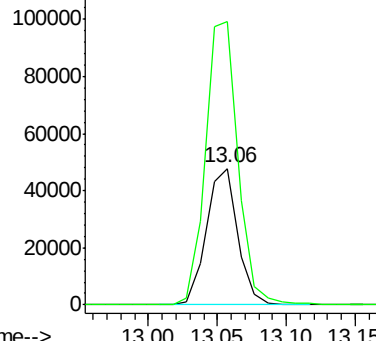


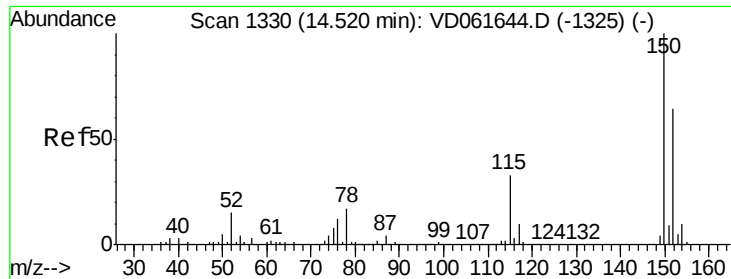
#69
o-Xylene
Concen: 12.809 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061720.D
Acq: 10 Apr 2019 18:33

Tgt Ion:106 Resp: 75759
Ion Ratio Lower Upper
106 100
91 207.3 107.3 321.9



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.00 min

Lab File: VD061720.D

Acq: 10 Apr 2019 18:33

Instrument :

MSVOA_D

ClientSampleId :

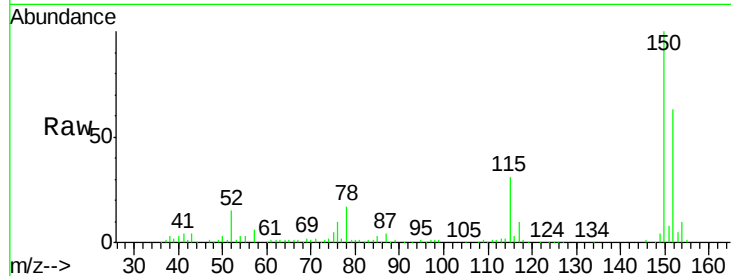
Tot Ion:152 Resp: 177341

Ion Ratio Lower Upper

152 100

115 49.1 26.4 79.2

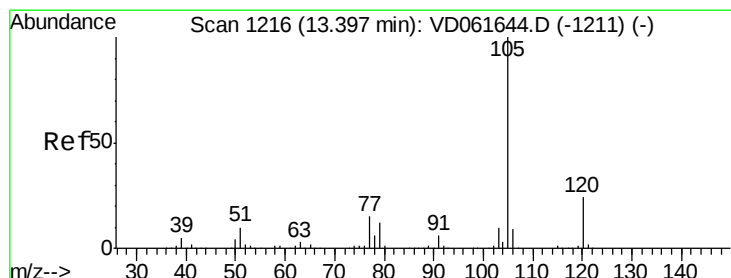
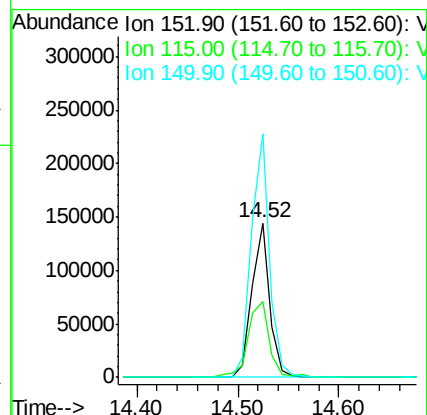
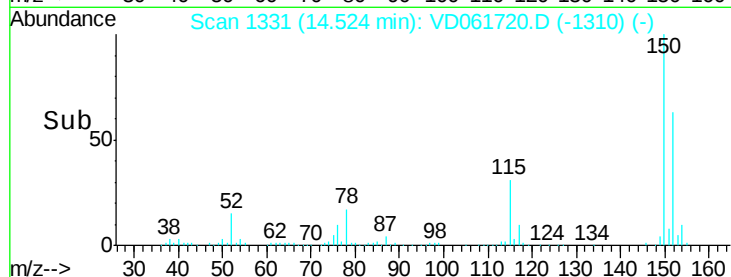
150 157.6 0.0 320.6



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: 41.604 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061720.D

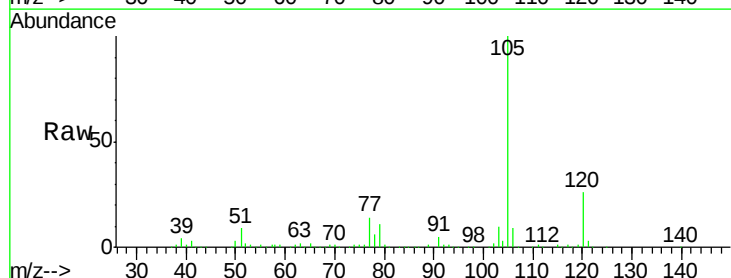
Acq: 10 Apr 2019 18:33

Tgt Ion:105 Resp: 491610

Ion Ratio Lower Upper

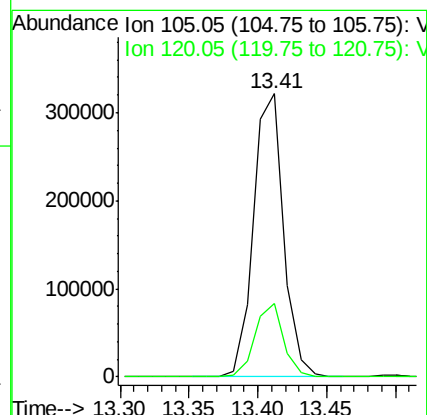
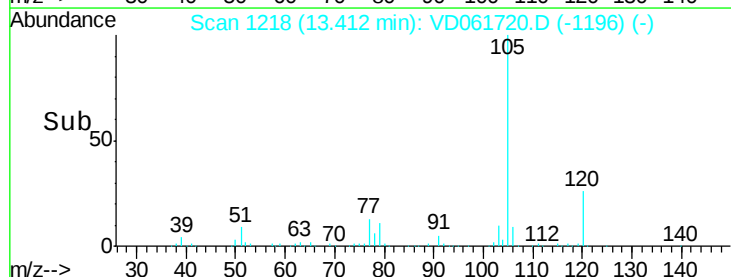
105 100

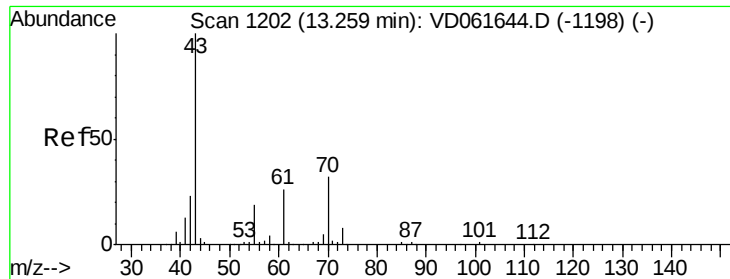
120 25.9 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 6.457 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.03 min

Lab File: VD061720.D

Acq: 10 Apr 2019 18:33

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 20732

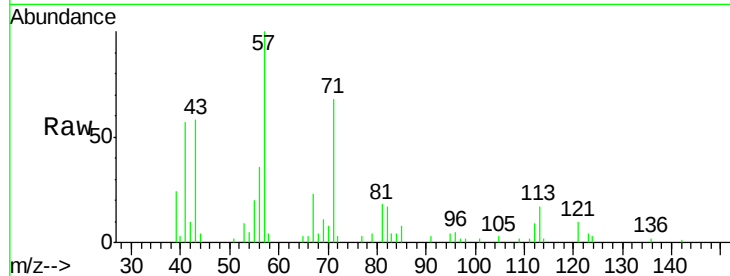
Ion Ratio Lower Upper

43 100

70 14.1 25.4 38.2#

55 35.1 15.0 22.4#

61 0.0 20.9 31.3#

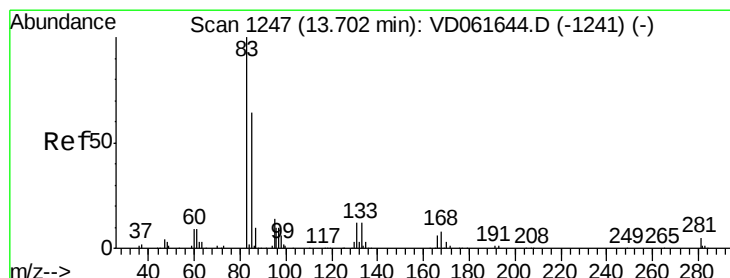
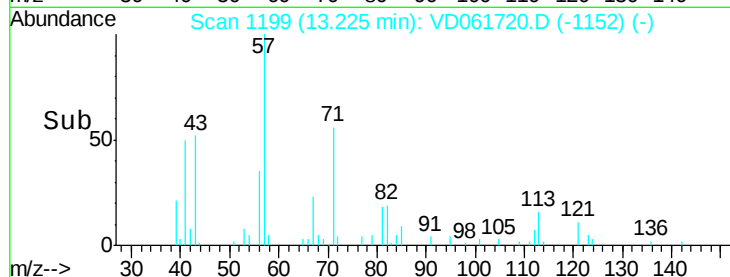
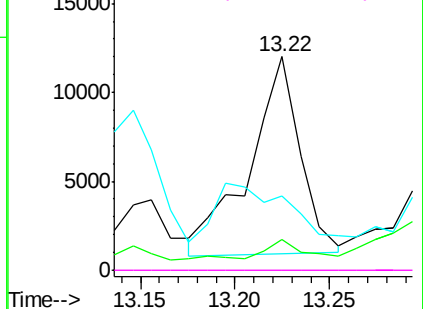


Abundance Ion 42.95 (42.65 to 43.65): VDC

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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.976 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.01 min

Lab File: VD061720.D

Acq: 10 Apr 2019 18:33

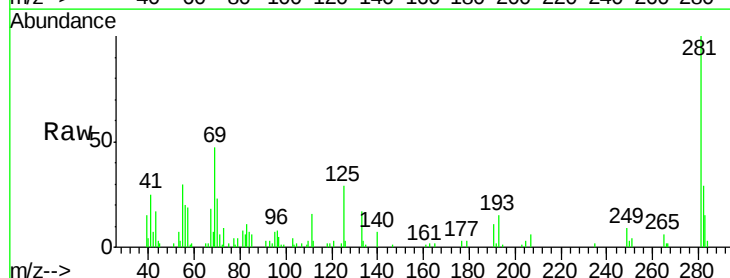
Tgt Ion: 83 Resp: 4827

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.6#

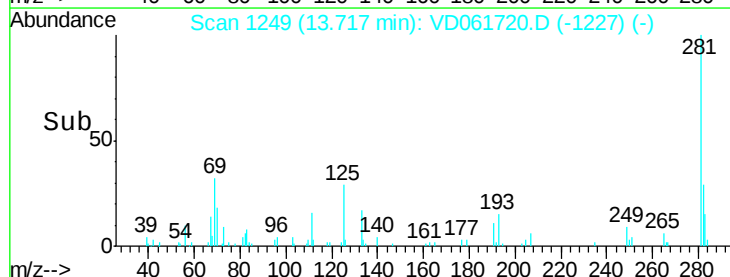
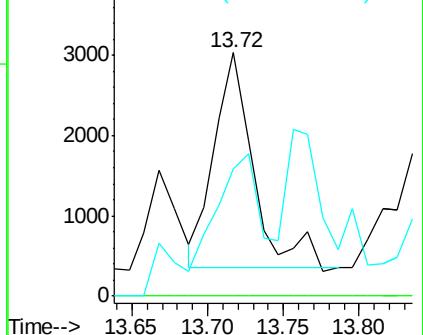
85 52.0 32.0 96.2

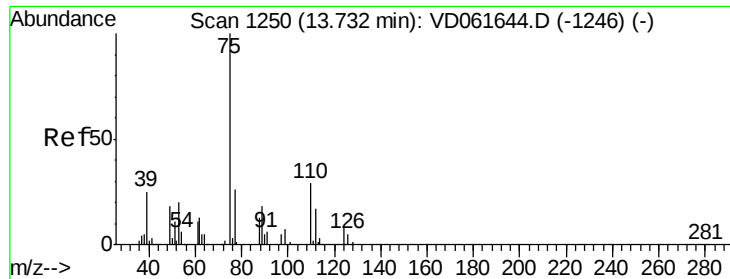


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#76

1,2,3-Trichloropropane

Concen: 1.613 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.11 min

Lab File: VD061720.D

Acq: 10 Apr 2019 18:33

Instrument :

MSVOA_D

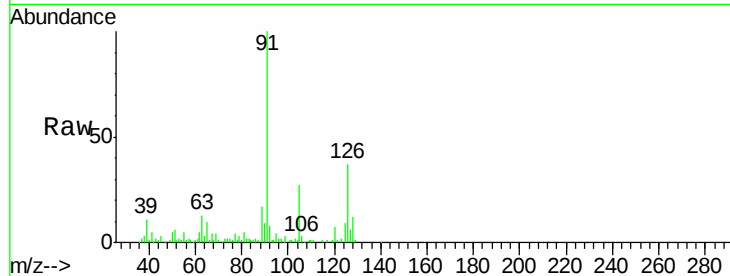
ClientSampled :

Tot Ion: 75 Resp: 3892

Ion Ratio Lower Upper

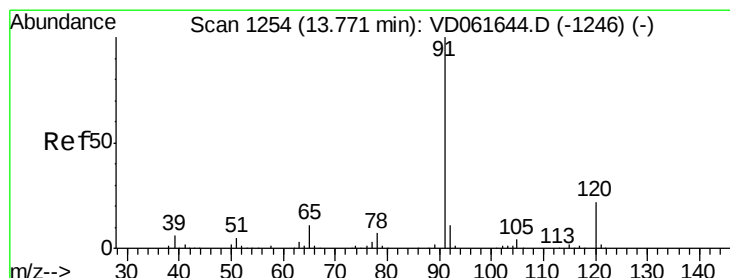
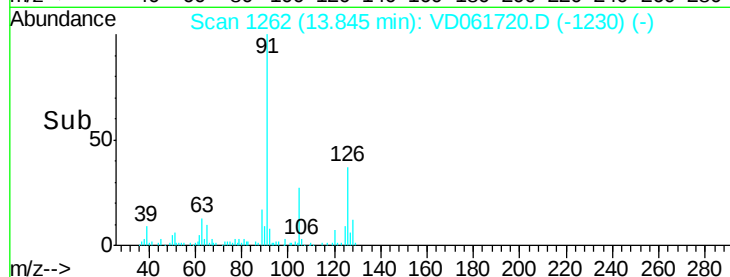
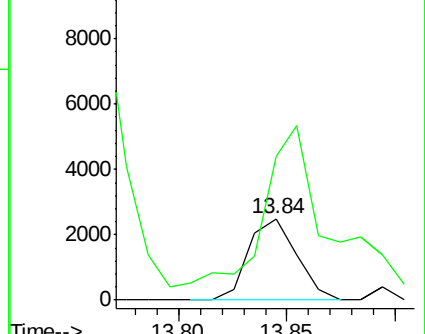
75 100

77 176.5 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: 2.882 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061720.D

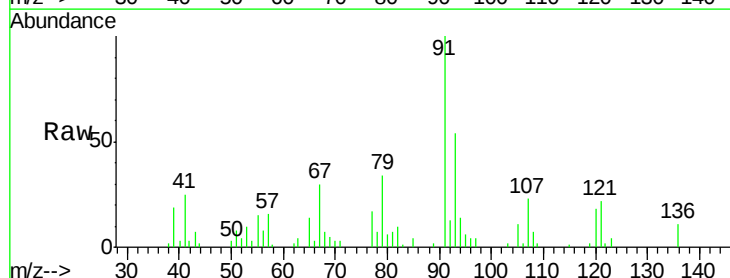
Acq: 10 Apr 2019 18:33

Tgt Ion: 91 Resp: 40730

Ion Ratio Lower Upper

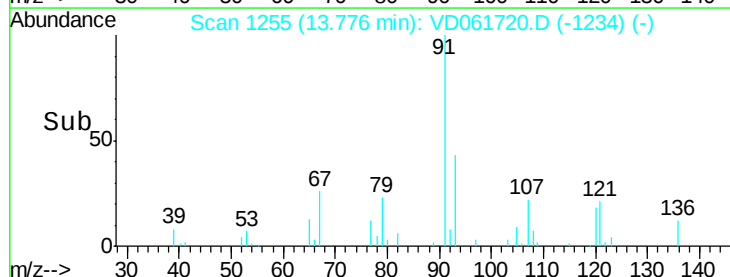
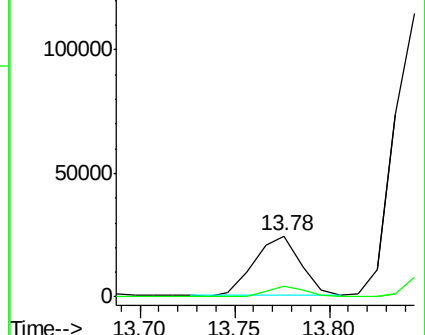
91 100

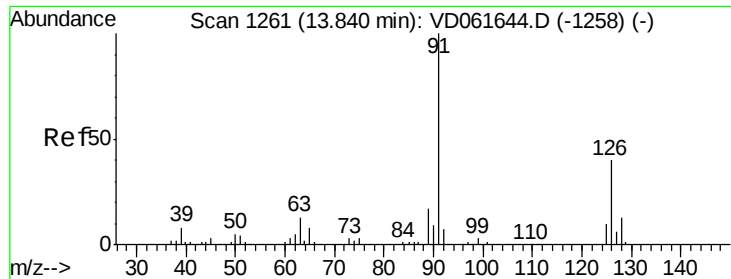
120 17.7 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC

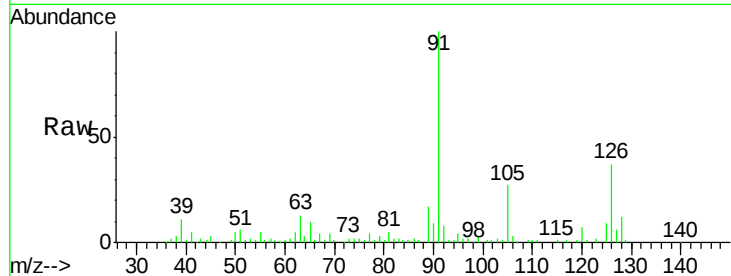




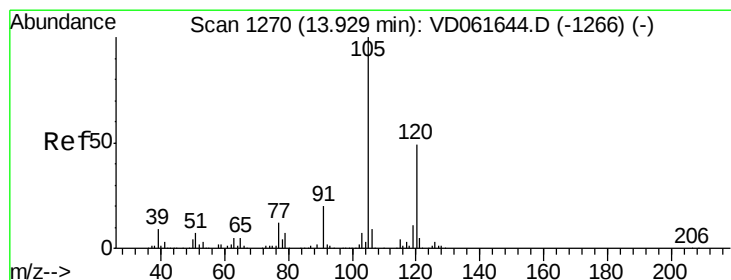
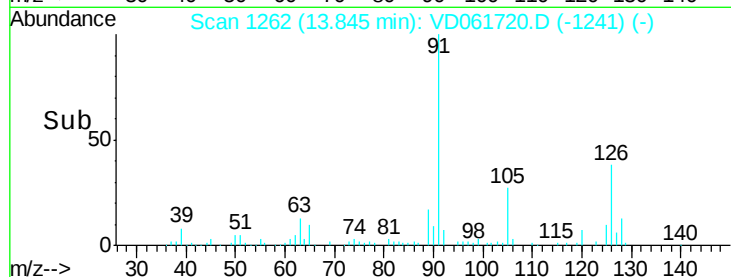
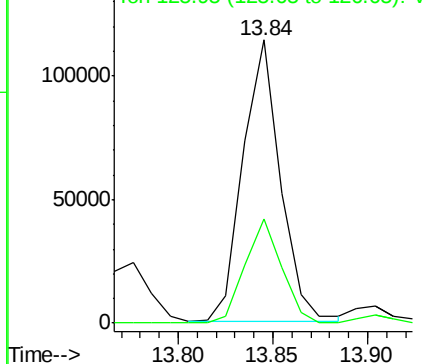
#79
 2-Chlorotoluene
 Concen: 19.313 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061720.D
 Acq: 10 Apr 2019 18:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 156112
 Ion Ratio Lower Upper
 91 100
 126 36.6 20.0 59.9

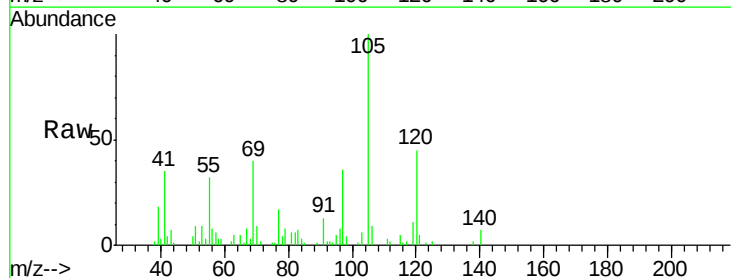


Abundance Ion 91.00 (90.70 to 91.70): VD061644.D (-1258) (-)
 Ion 125.95 (125.65 to 126.65): VD061644.D (-1258) (-)

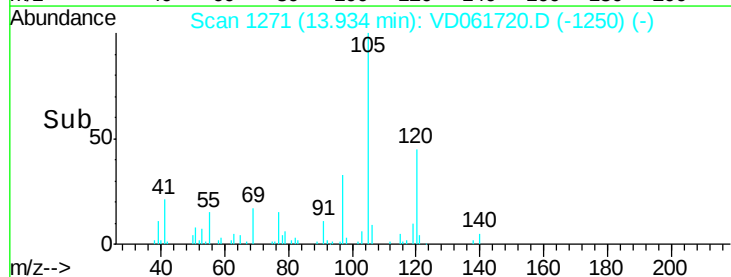
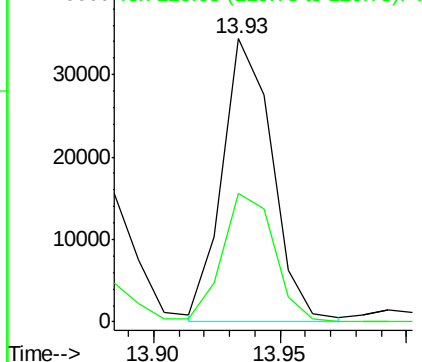


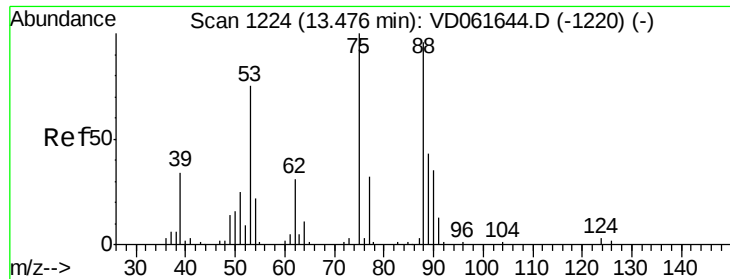
#80
 1,3,5-Trimethylbenzene
 Concen: 5.033 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD061720.D
 Acq: 10 Apr 2019 18:33

Tgt Ion: 105 Resp: 47200
 Ion Ratio Lower Upper
 105 100
 120 45.4 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): VD061644.D (-1266) (-)
 Ion 120.05 (119.75 to 120.75): VD061644.D (-1266) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 6.403 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. -0.06 min

Lab File: VD061720.D

Acq: 10 Apr 2019 18:33

Instrument :

MSVOA_D

ClientSampleId :

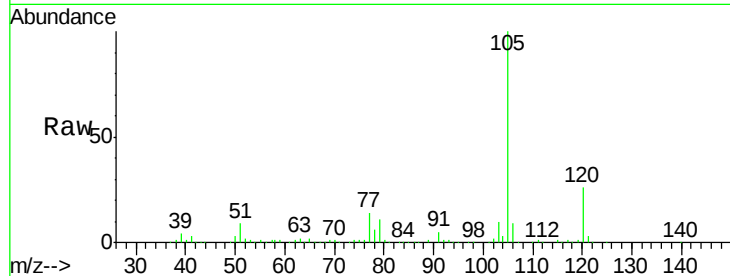
Tot Ion: 75 Resp: 4688

Ion Ratio Lower Upper

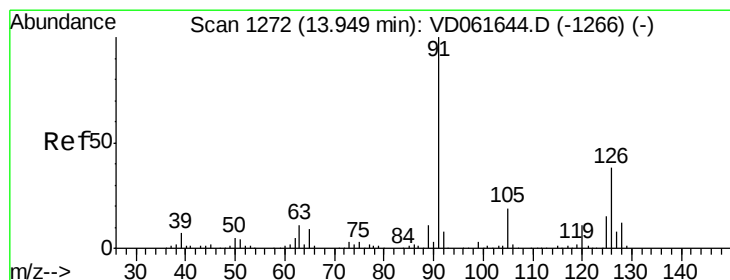
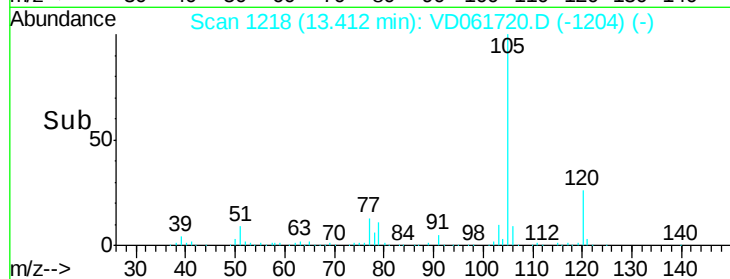
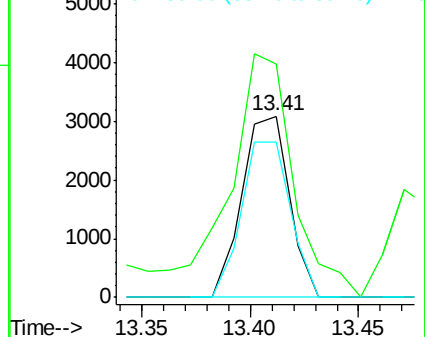
75 100

53 129.0 60.2 90.2#

89 85.5 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: 1.390 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061720.D

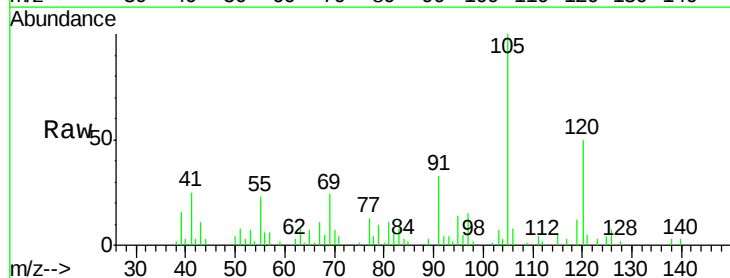
Acq: 10 Apr 2019 18:33

Tgt Ion: 91 Resp: 12312

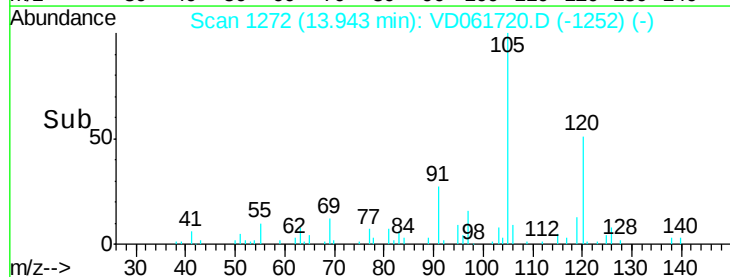
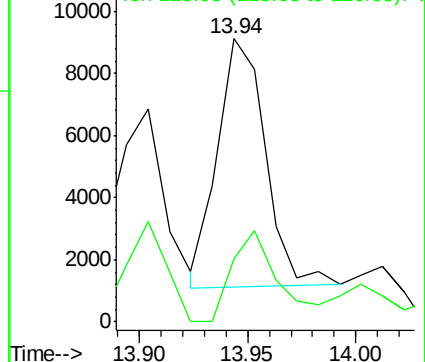
Ion Ratio Lower Upper

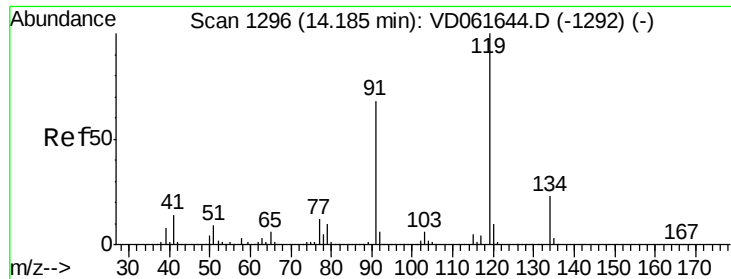
91 100

126 22.4 19.0 57.0



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

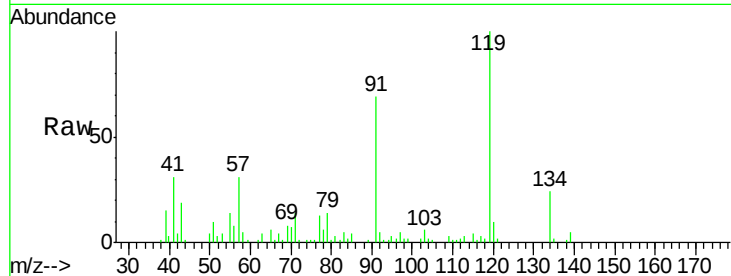




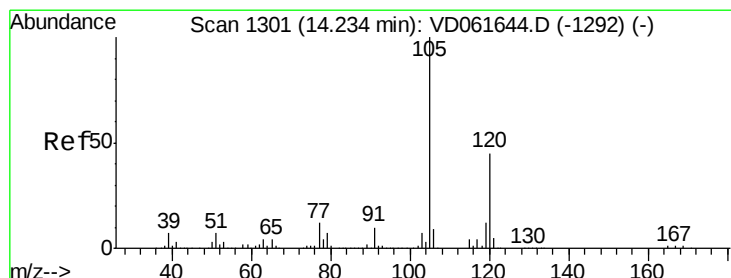
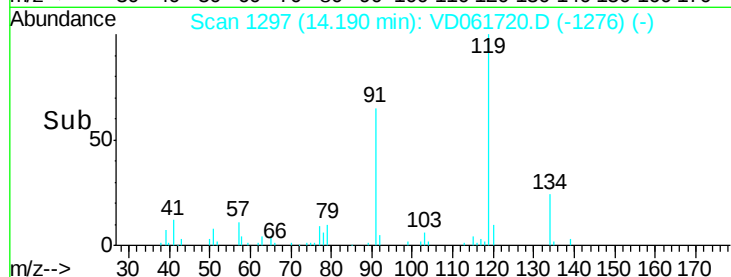
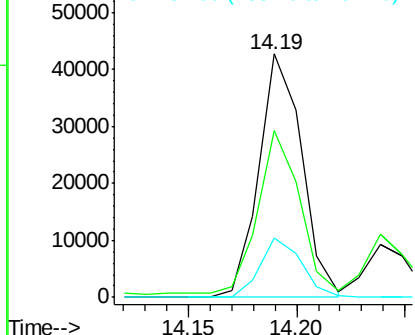
#83
tert-Butylbenzene
Concen: 5.182 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061720.D
Acq: 10 Apr 2019 18:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 58601
Ion Ratio Lower Upper
119 100
91 68.7 33.9 101.6
134 24.1 11.6 34.8

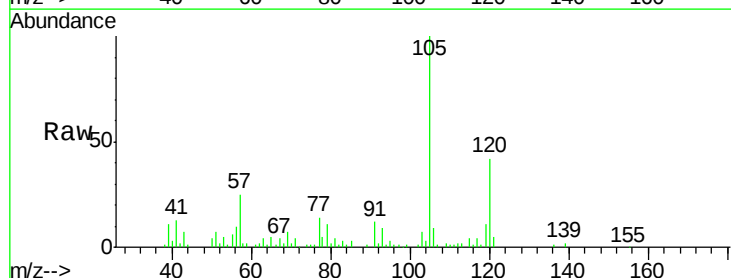


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

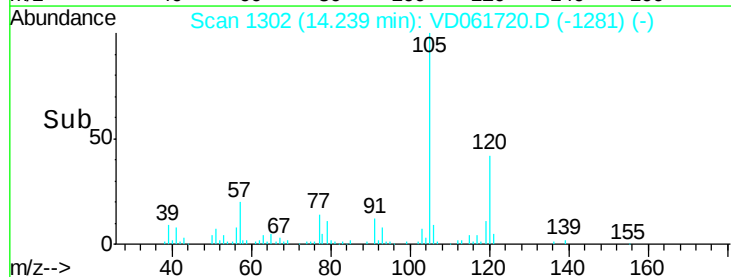
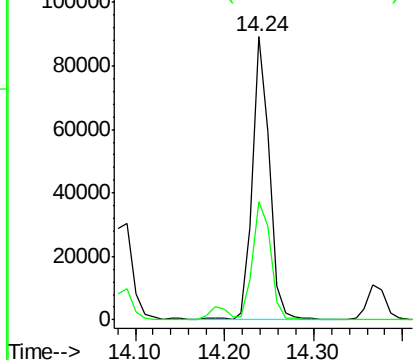


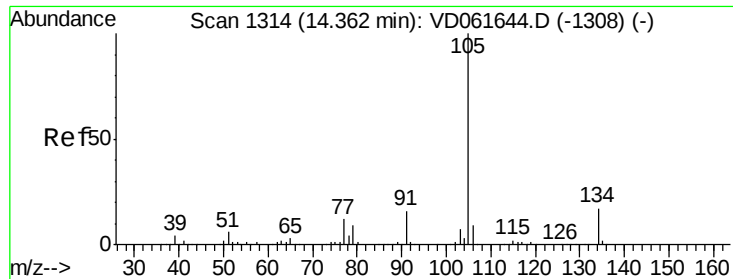
#84
1,2,4-Trimethylbenzene
Concen: 12.331 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD061720.D
Acq: 10 Apr 2019 18:33

Tgt Ion:105 Resp: 116722
Ion Ratio Lower Upper
105 100
120 41.6 22.6 67.8



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

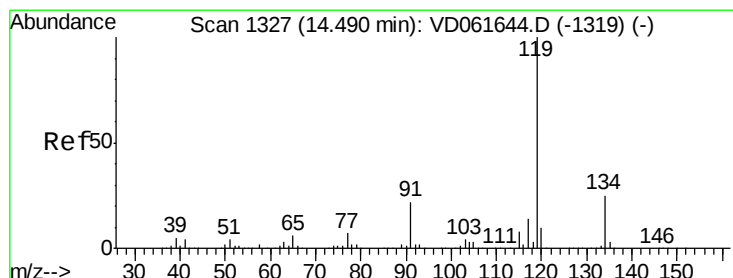
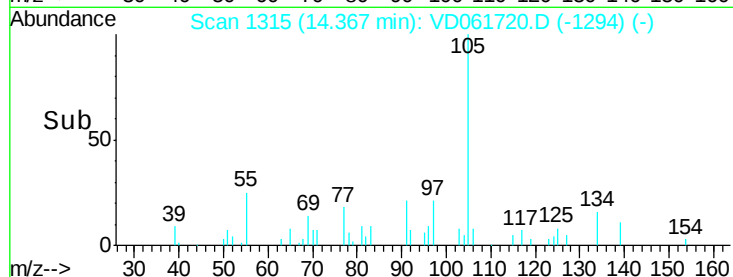
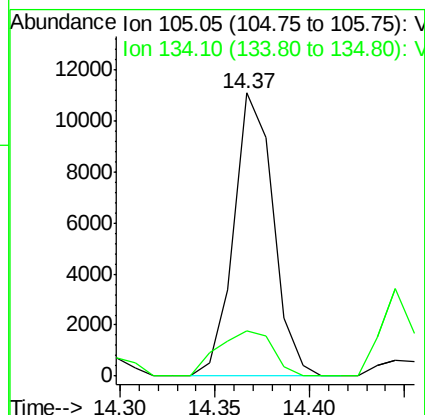
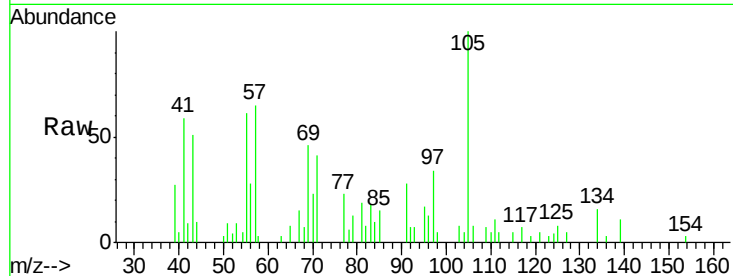




#85
 sec-Butylbenzene
 Concen: 1.305 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061720.D
 Acq: 10 Apr 2019 18:33

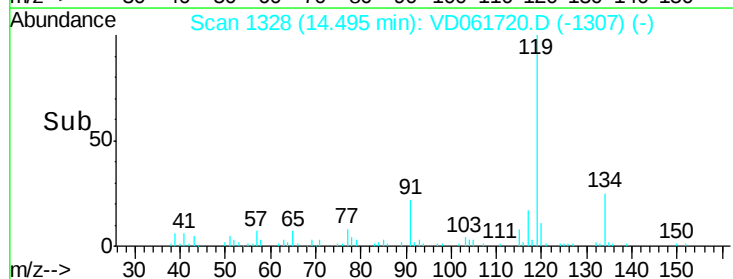
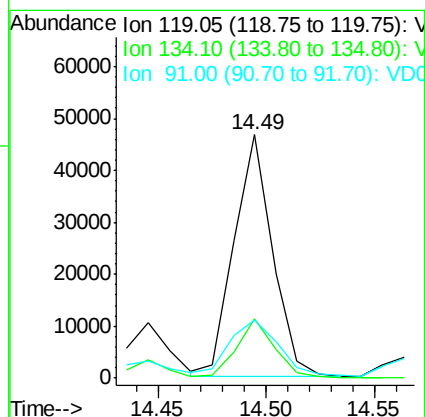
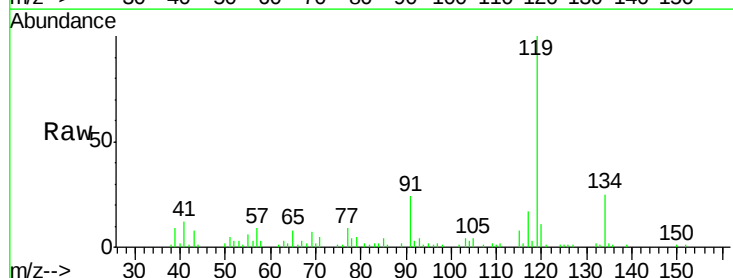
Instrument :
 MSVOA_D
 ClientSampleId :

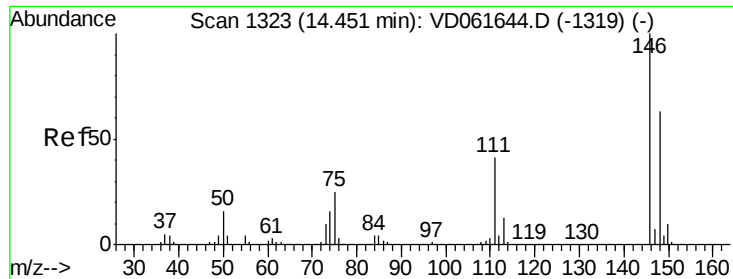
Tot Ion:105 Resp: 15939
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 5.473 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061720.D
 Acq: 10 Apr 2019 18:33

Tgt Ion:119 Resp: 58007
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.5 37.5
 91 24.0 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 2.134 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.09 min

Lab File: VD061720.D

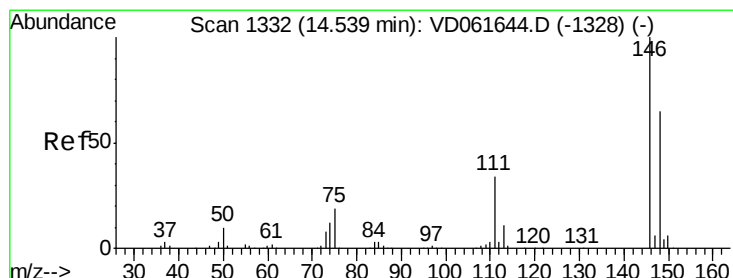
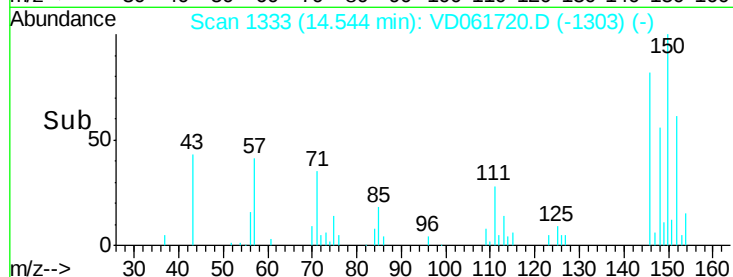
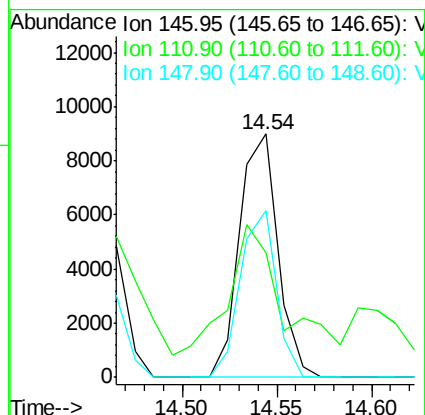
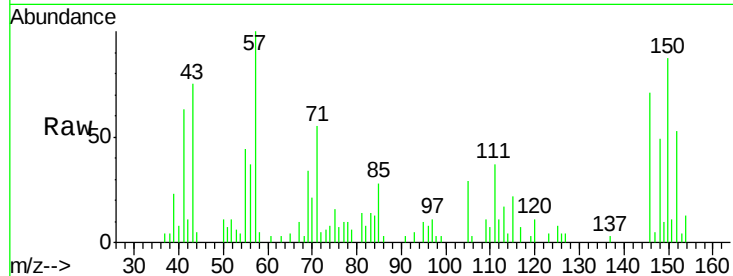
Acq: 10 Apr 2019 18:33

Instrument :

MSVOA_D

ClientSampled :

Tot Ion:146	Resp:	12599
Ion Ratio	Lower	Upper
146	100	
111	51.4	20.3 61.0
148	68.3	31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 2.115 ug/l

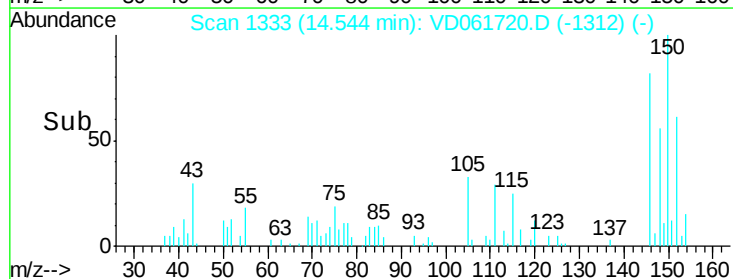
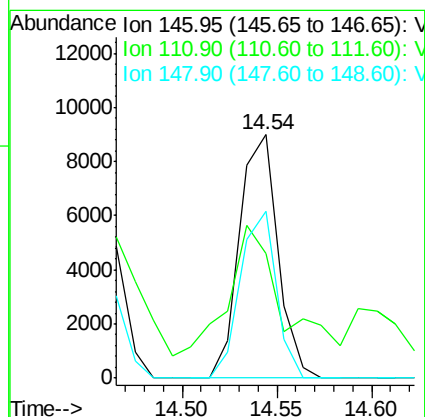
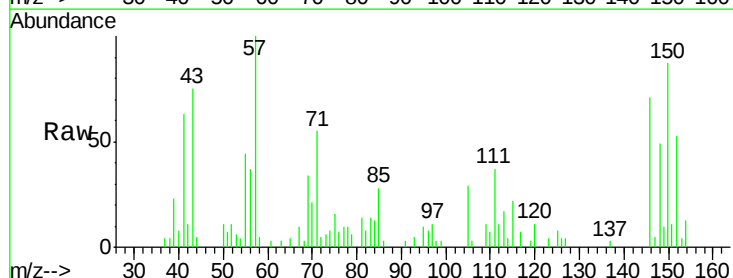
RT: 14.54 min Scan# 1333

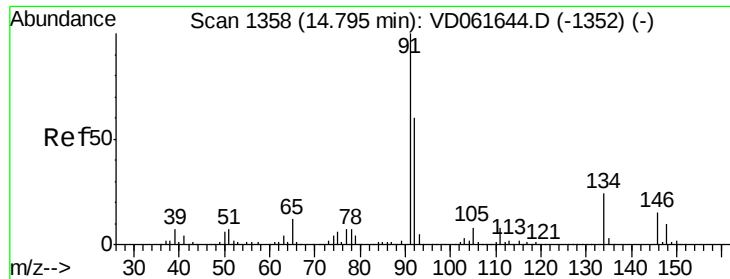
Delta R.T. 0.00 min

Lab File: VD061720.D

Acq: 10 Apr 2019 18:33

Tgt Ion:146	Resp:	12599
Ion Ratio	Lower	Upper
146	100	
111	51.4	17.1 51.2#
148	68.3	32.6 97.7

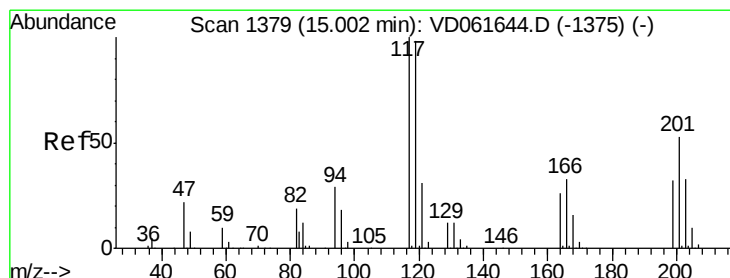
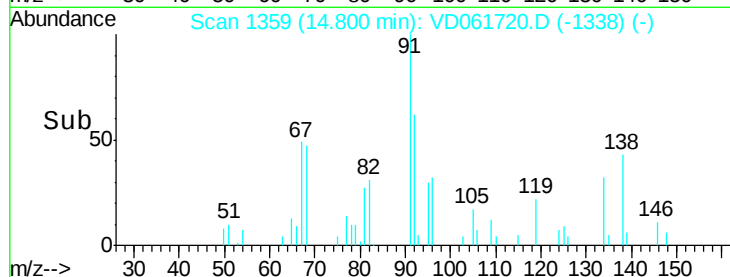
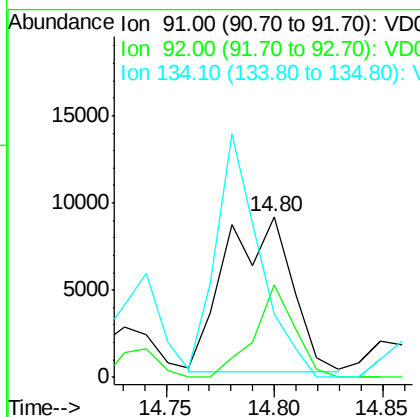
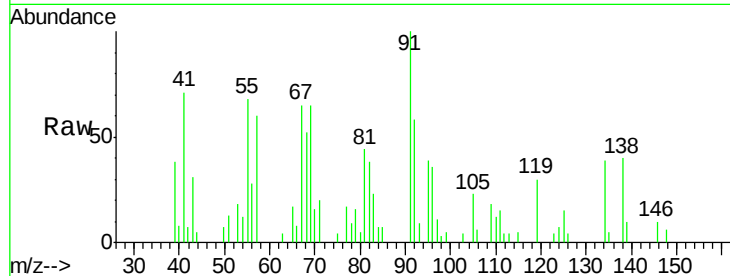




#89
n-Butylbenzene
Concen: 2.055 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD061720.D
Acq: 10 Apr 2019 18:33

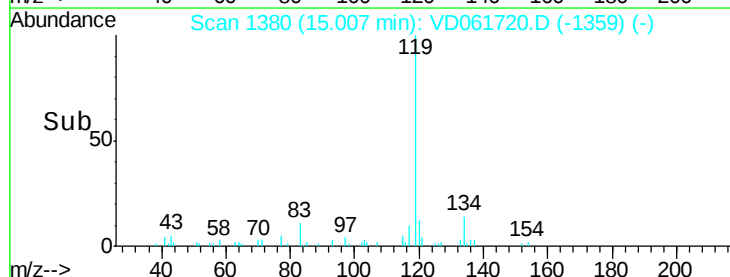
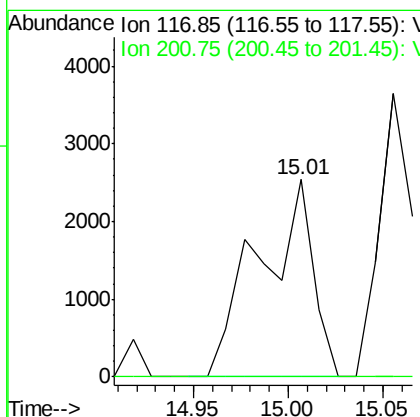
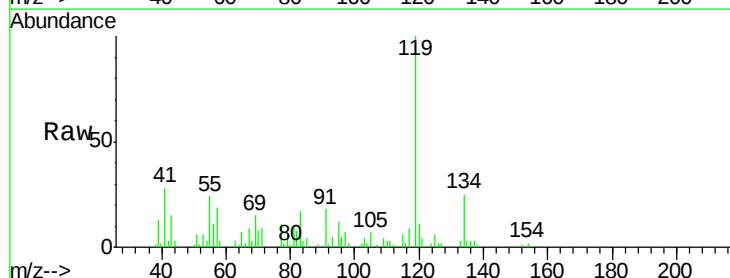
Instrument :
MSVOA_D
ClientSampleId :

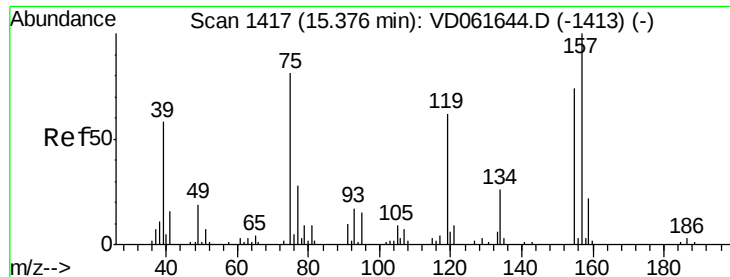
Tot Ion: 91 Resp: 18931
Ion Ratio Lower Upper
91 100
92 57.9 29.8 89.4
134 39.0 12.2 36.4#



#90
Hexachloroethane
Concen: 1.741 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061720.D
Acq: 10 Apr 2019 18:33

Tgt Ion: 117 Resp: 5006
Ion Ratio Lower Upper
117 100
201 0.0 26.3 78.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.137 ug/l

RT: 15.34 min Scan# 1414

Delta R.T. -0.03 min

Lab File: VD061720.D

Acq: 10 Apr 2019 18:33

Instrument :

MSVOA_D

ClientSampleId :

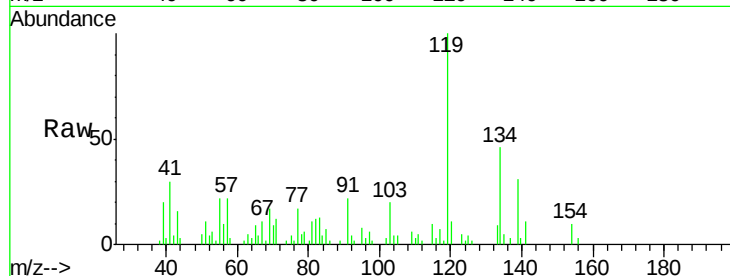
Tot Ion: 75 Resp: 630

Ion Ratio Lower Upper

75 100

155 0.0 45.6 136.7#

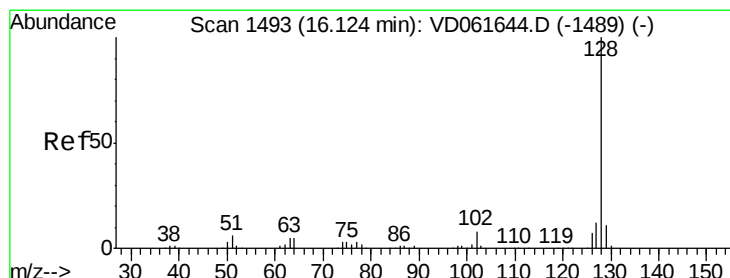
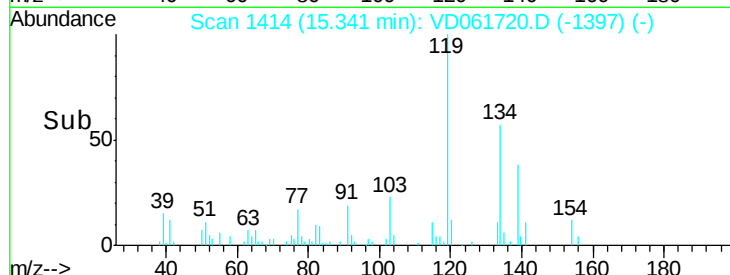
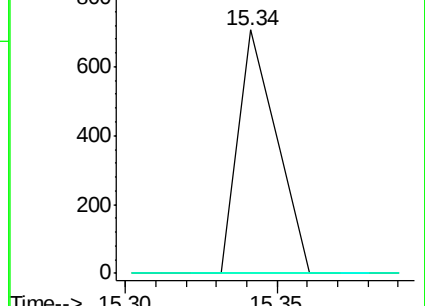
157 0.0 61.4 184.2#



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: 10.224 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VD061720.D

Acq: 10 Apr 2019 18:33

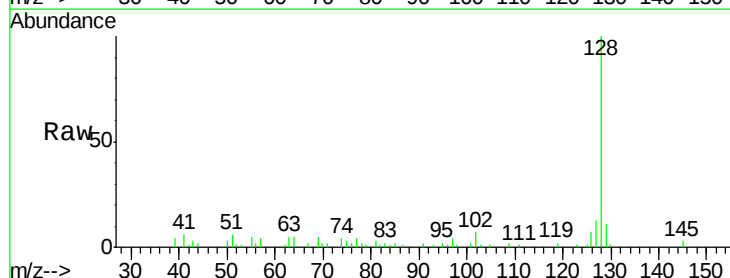
Tgt Ion: 128 Resp: 40095

Ion Ratio Lower Upper

128 100

127 13.0 9.4 14.2

129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

