

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040819\
 Data File : VD061661.D
 Acq On : 8 Apr 2019 20:16
 Operator : VA/AP
 Sample : K2294-02
 Misc : 5.56g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:23:00 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	330199	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	459552	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	317983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	75255	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	110328	44.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.16%	
35) Dibromofluoromethane	6.94	113	175443	55.11	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.22%	
50) Toluene-d8	10.42	98	328293	41.04	ug/l	0.02
Spiked Amount	50.000		Recovery	=	82.08%	
62) 4-Bromofluorobenzene	13.56	95	77739	24.75	ug/l	0.01
Spiked Amount	50.000		Recovery	=	49.50%	

Target Compounds

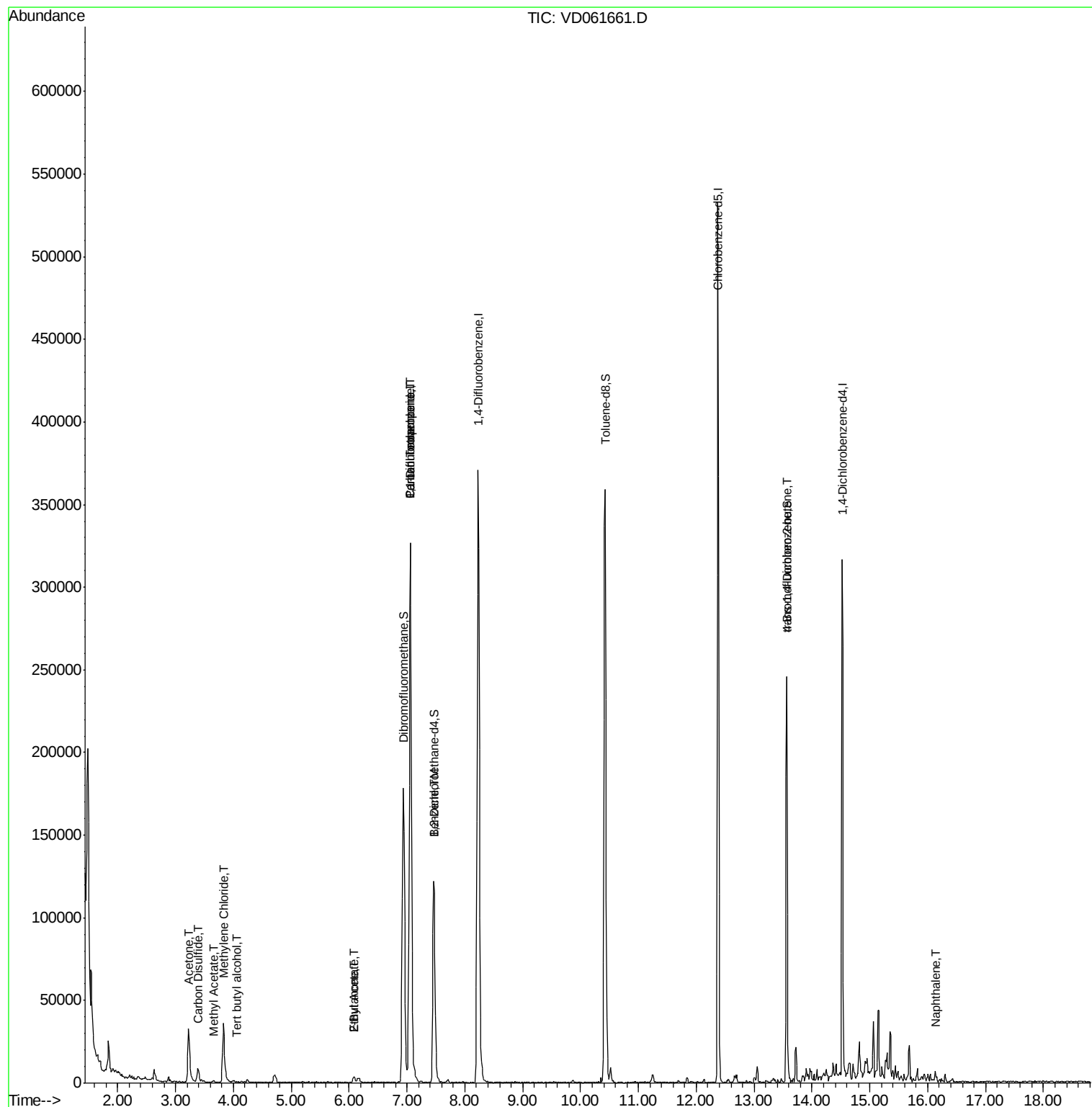
						Qvalue
11) Tert butyl alcohol	4.06	59	183	1.091	ug/l #	72
16) Acetone	3.23	43	62318	83.291	ug/l	97
17) Carbon Disulfide	3.39	76	15928	1.424	ug/l	98
18) Methyl Acetate	3.66	43	1575	1.119	ug/l #	53
20) Methylene Chloride	3.83	84	25125	5.918	ug/l	95
25) 2-Butanone	6.08	43	8886	10.302	ug/l	98
36) 1,1-Dichloropropene	7.05	75	24191	6.015	ug/l #	45
37) Ethyl Acetate	6.08	43	8886	5.424	ug/l #	68
38) Carbon Tetrachloride	7.06	117	31967	6.782	ug/l #	15
40) Benzene	7.46	78	13952	1.438	ug/l #	88
81) trans-1,4-Dichloro-2-buten	13.56	75	28538	91.854	ug/l #	20
95) Naphthalene	16.13	128	5836	3.507	ug/l	97

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

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD061661.D

Acq: 8 Apr 2019 20:16

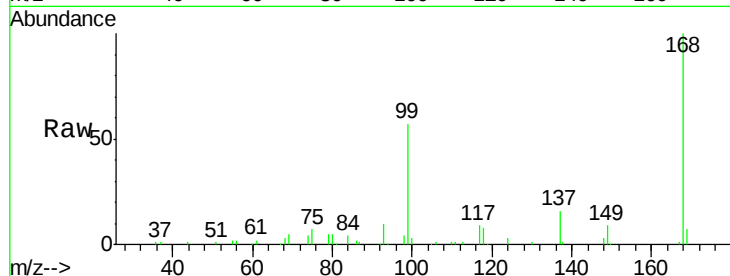
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 330199

Ion Ratio Lower Upper

168 100

99 56.6 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

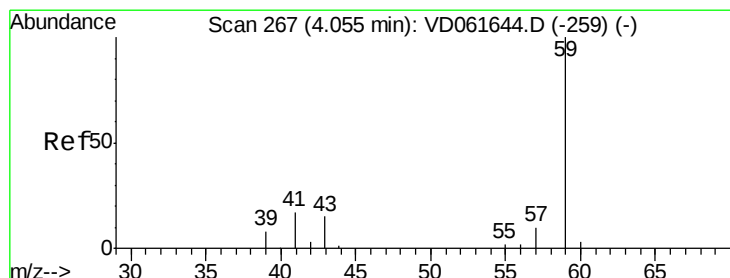
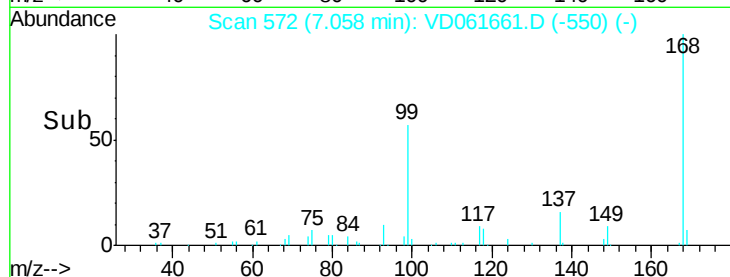
7.06

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 1.091 ug/l

RT: 4.06 min Scan# 267

Delta R.T. 0.00 min

Lab File: VD061661.D

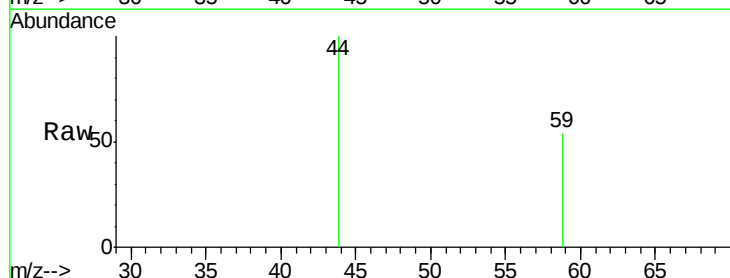
Acq: 8 Apr 2019 20:16

Tgt Ion: 59 Resp: 183

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

4.06

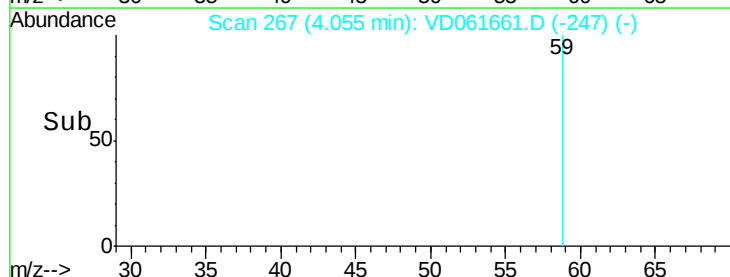
300

200

100

0

Time--> 4.04 4.06 4.08

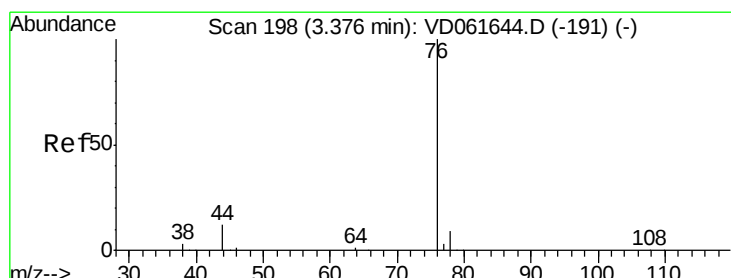
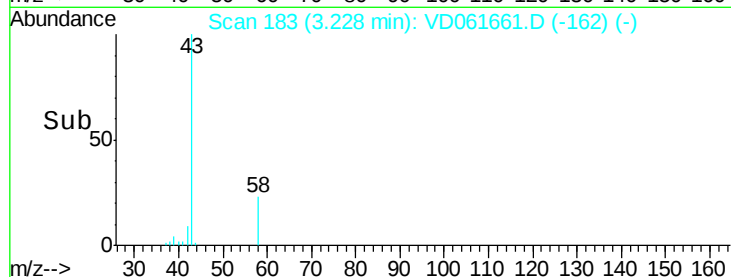
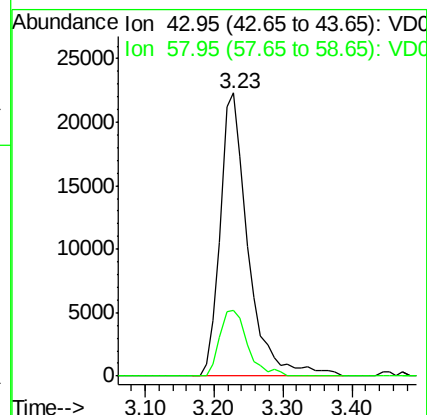
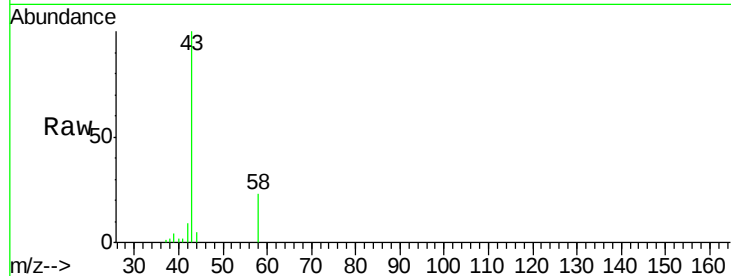




#16
Acetone
Concen: 83.291 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD061661.D
Acq: 8 Apr 2019 20:16

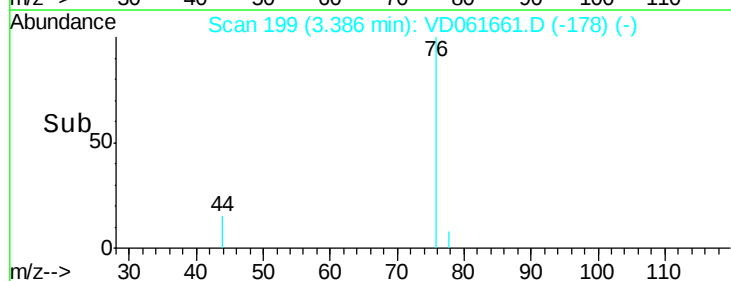
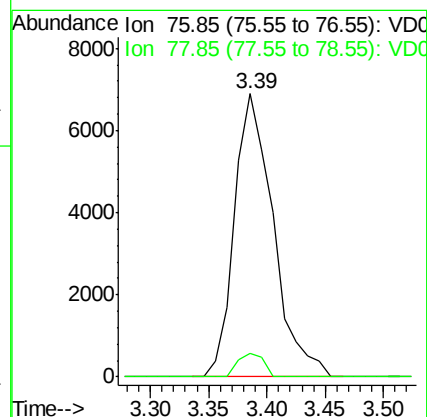
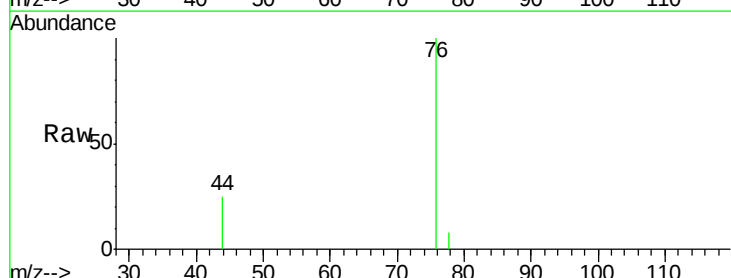
Instrument :
MSVOA_D
ClientSampleId :

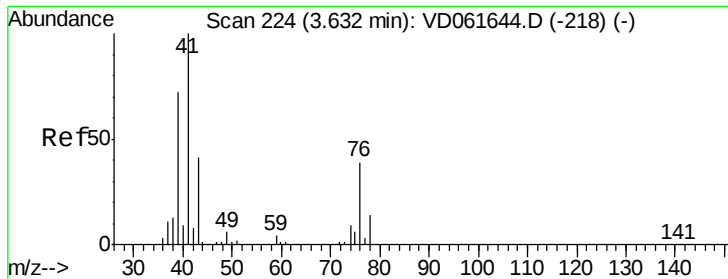
Tot Ion: 43 Resp: 62318
Ion Ratio Lower Upper
43 100
58 23.0 19.7 29.5



#17
Carbon Disulfide
Concen: 1.424 ug/l
RT: 3.39 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD061661.D
Acq: 8 Apr 2019 20:16

Tgt Ion: 76 Resp: 15928
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2

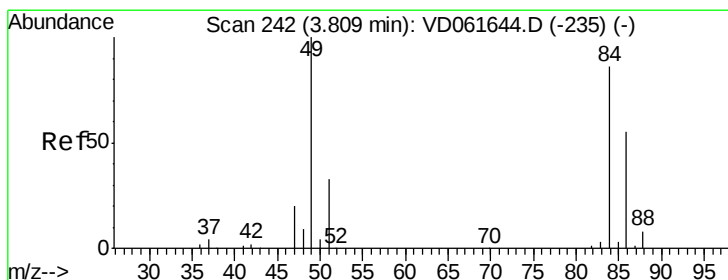
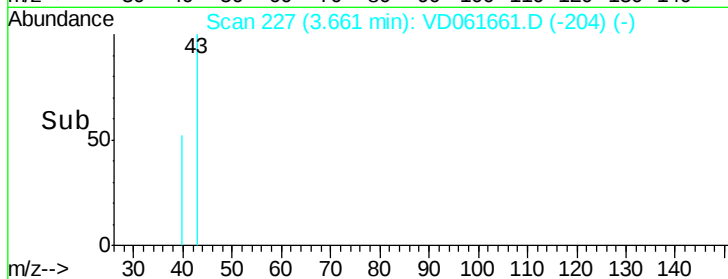
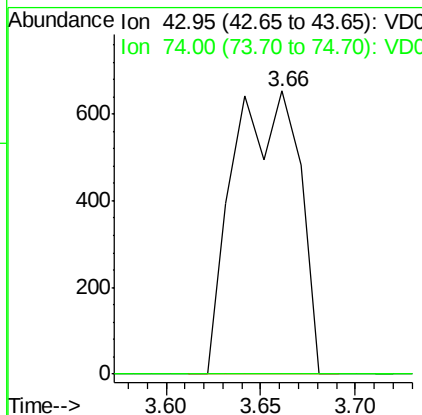
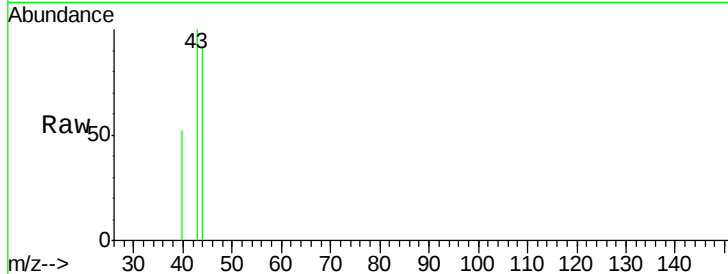




#18
Methyl Acetate
Concen: 1.119 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.03 min
Lab File: VD061661.D
Acq: 8 Apr 2019 20:16

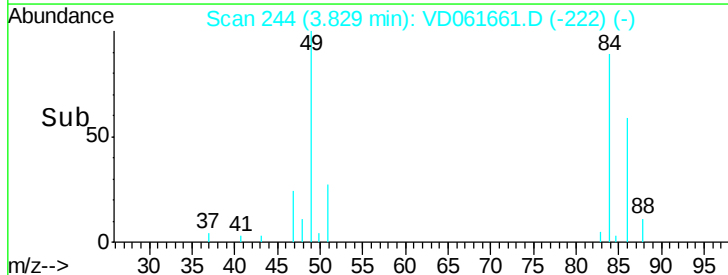
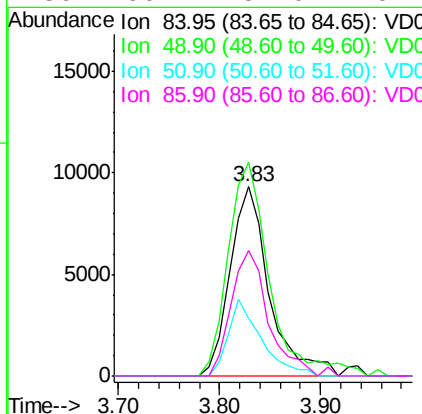
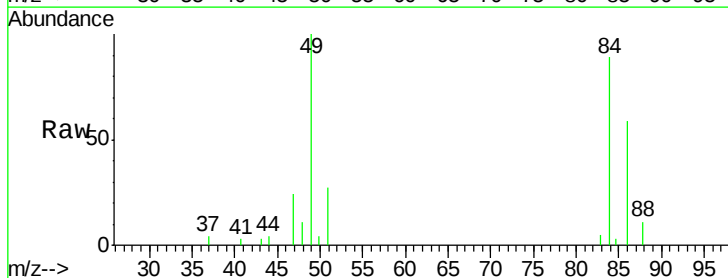
Instrument :
MSVOA_D
ClientSampleId :

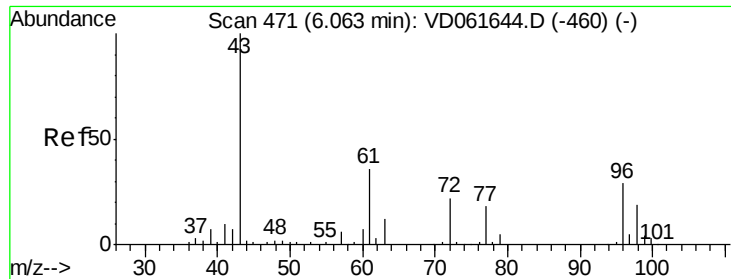
Tot Ion: 43 Resp: 1575
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



#20
Methylene Chloride
Concen: 5.918 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061661.D
Acq: 8 Apr 2019 20:16

Tgt Ion: 84 Resp: 25125
Ion Ratio Lower Upper
84 100
49 112.8 93.0 139.4
51 30.7 30.4 45.6
86 66.4 51.0 76.4





#25

2-Butanone

Concen: 10.302 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD061661.D

Acq: 8 Apr 2019 20:16

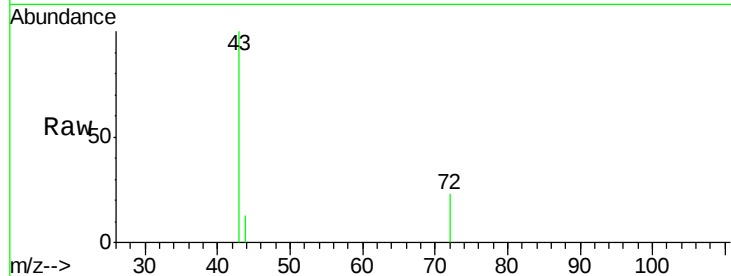
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 8886

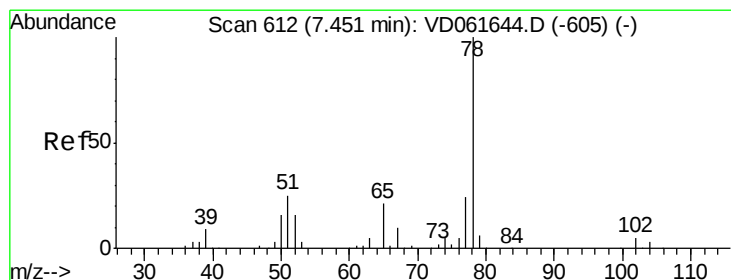
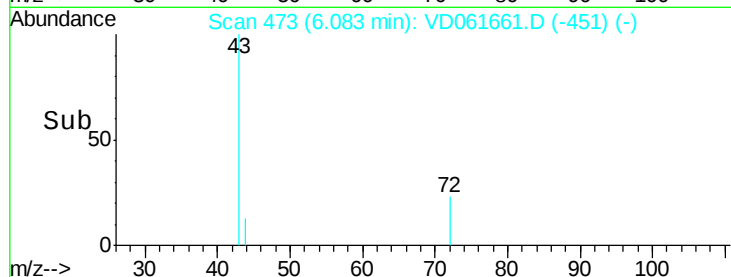
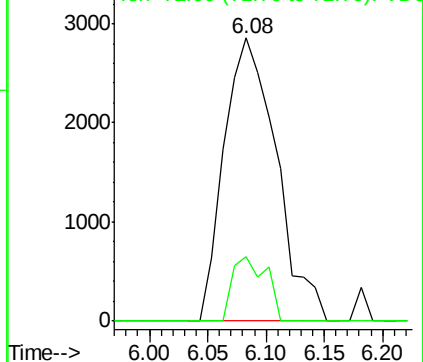
Ion Ratio Lower Upper

43 100

72 22.9 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061661.D

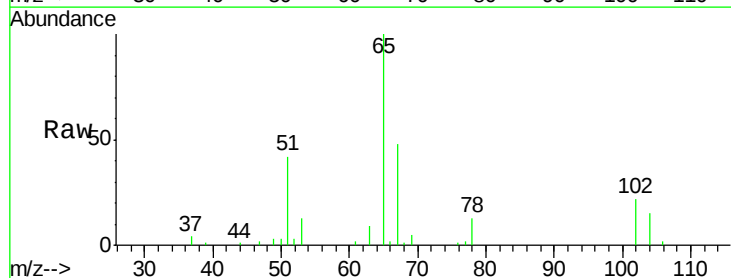
Acq: 8 Apr 2019 20:16

Tgt Ion: 65 Resp: 110328

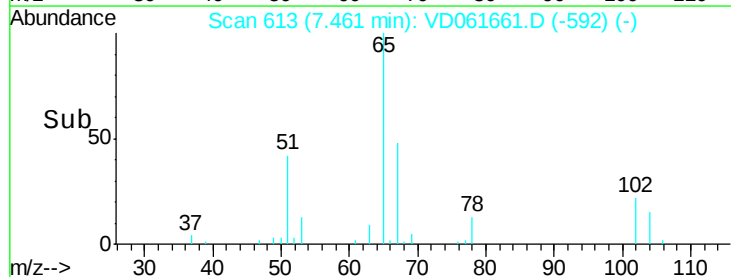
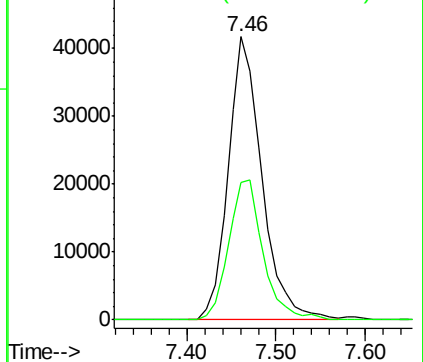
Ion Ratio Lower Upper

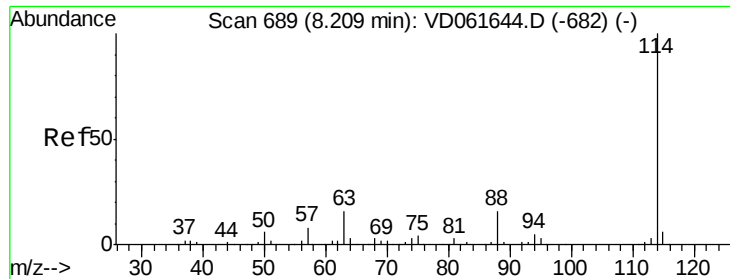
65 100

67 48.4 0.0 99.4



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

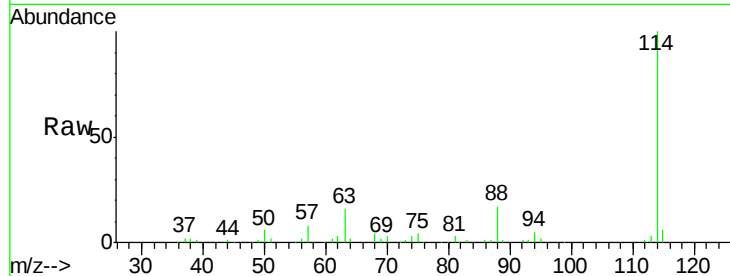




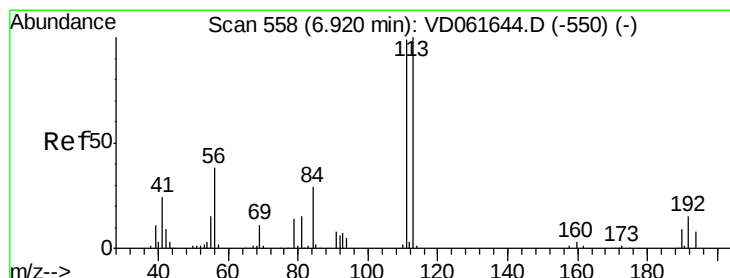
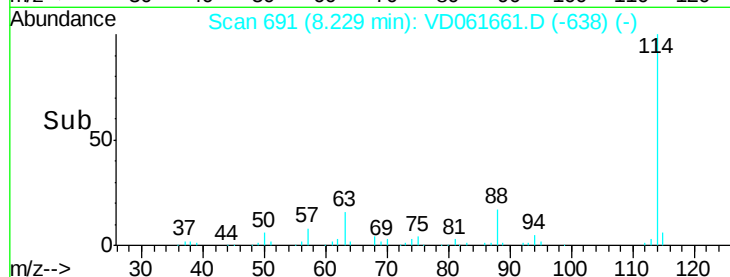
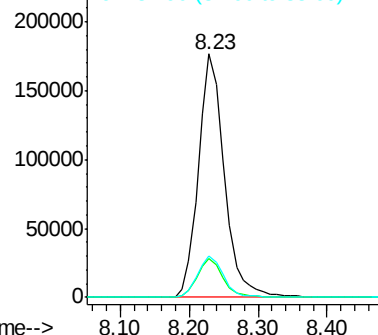
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD061661.D
 Acq: 8 Apr 2019 20:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 459552
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.2
 88 17.1 0.0 31.8

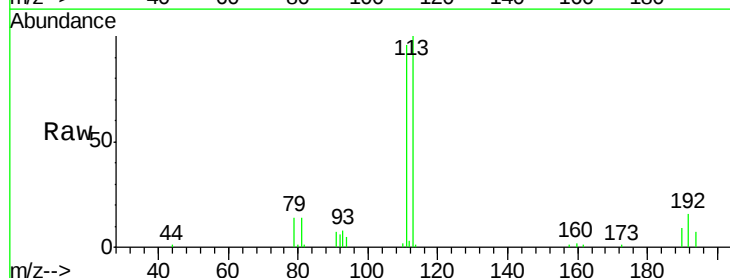


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

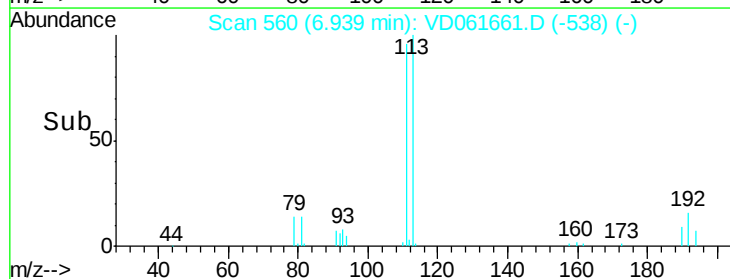
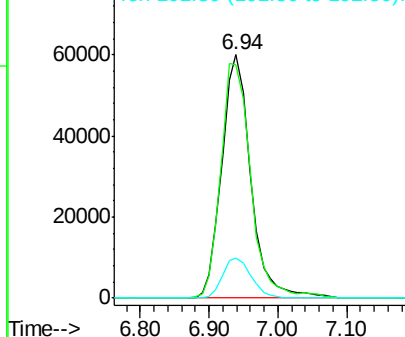


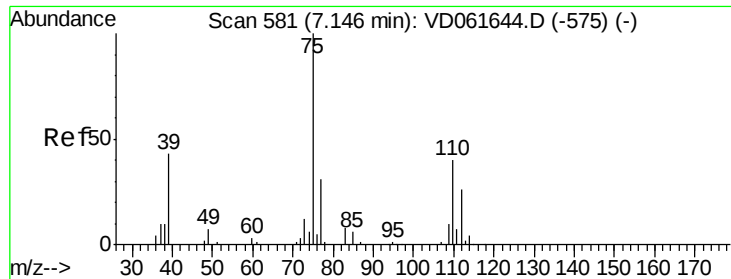
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD061661.D
 Acq: 8 Apr 2019 20:16

Tgt Ion:113 Resp: 175443
 Ion Ratio Lower Upper
 113 100
 111 96.0 79.3 118.9
 192 16.3 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: 6.015 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061661.D

Acq: 8 Apr 2019 20:16

Instrument :

MSVOA_D

ClientSampleId :

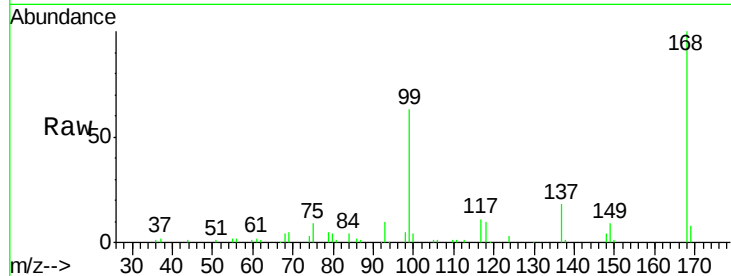
Tot Ion: 75 Resp: 24191

Ion Ratio Lower Upper

75 100

110 6.1 19.7 59.0#

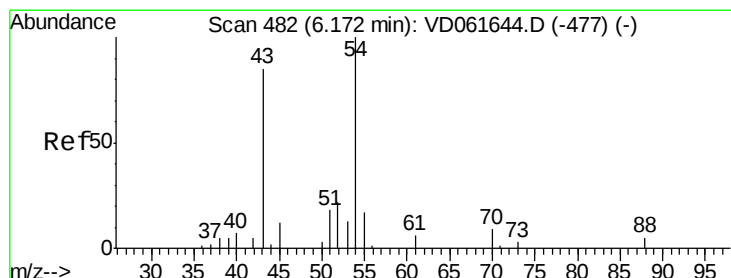
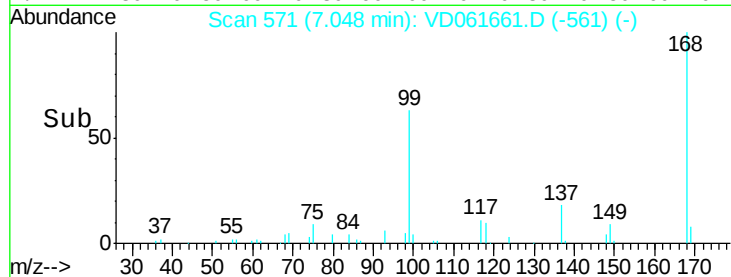
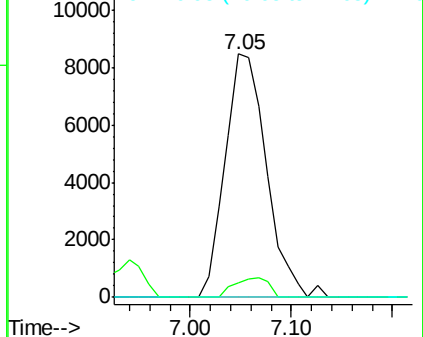
77 0.0 24.8 37.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 5.424 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.09 min

Lab File: VD061661.D

Acq: 8 Apr 2019 20:16

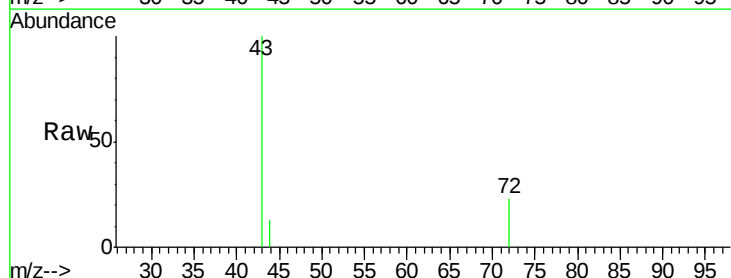
Tgt Ion: 43 Resp: 8886

Ion Ratio Lower Upper

43 100

61 0.0 11.9 17.9#

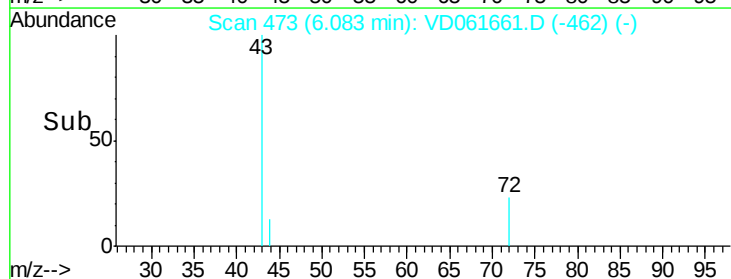
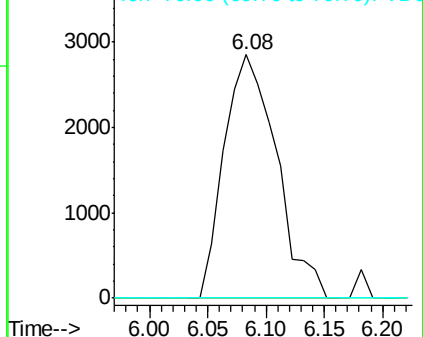
70 0.0 6.9 10.3#

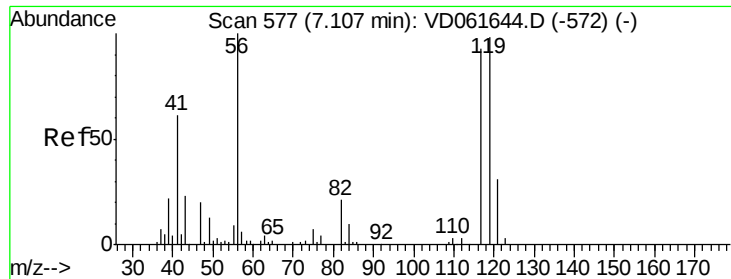


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

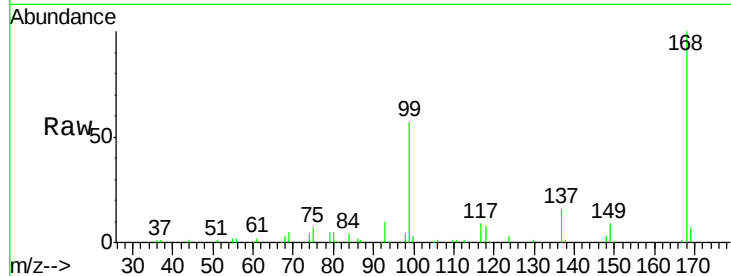




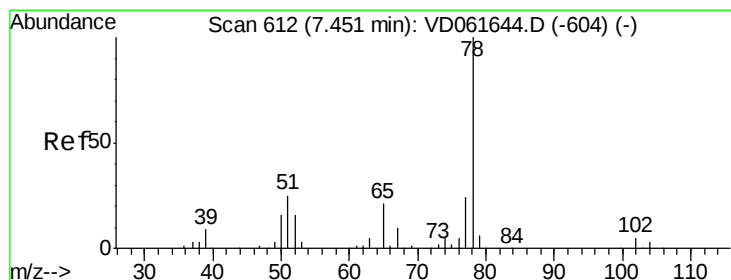
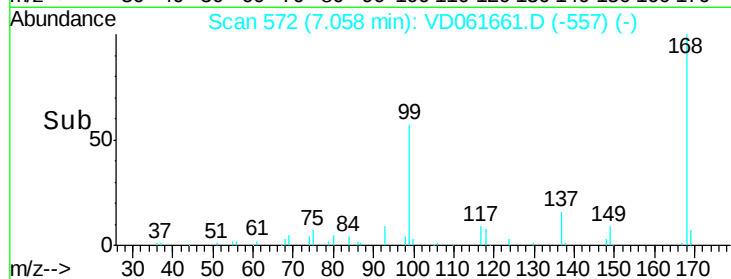
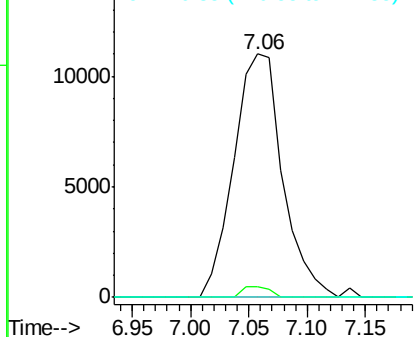
#38
Carbon Tetrachloride
Concen: 6.782 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.05 min
Lab File: VD061661.D
Acq: 8 Apr 2019 20:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 31967
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.7 37.1#

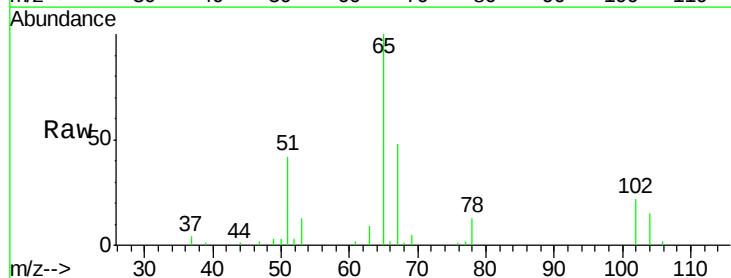


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

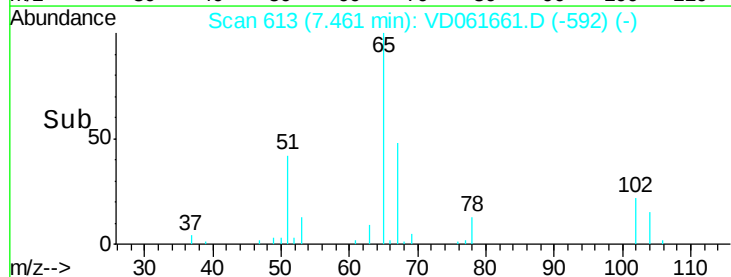
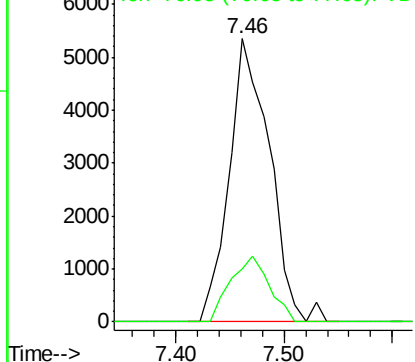


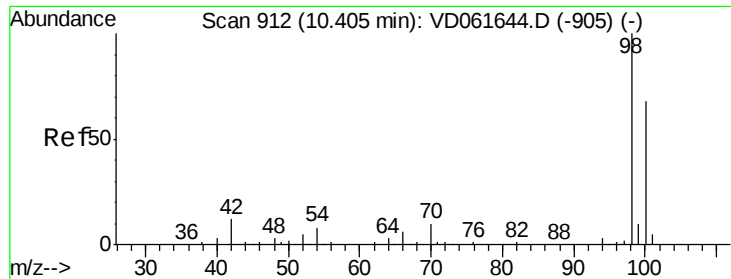
#40
Benzene
Concen: 1.438 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD061661.D
Acq: 8 Apr 2019 20:16

Tgt Ion: 78 Resp: 13952
Ion Ratio Lower Upper
78 100
77 18.5 19.5 29.3#



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD061661.D

Acq: 8 Apr 2019 20:16

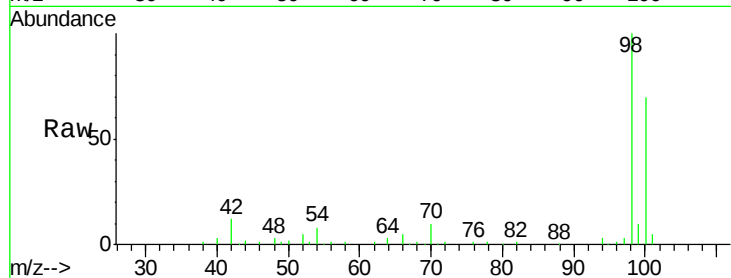
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 328293

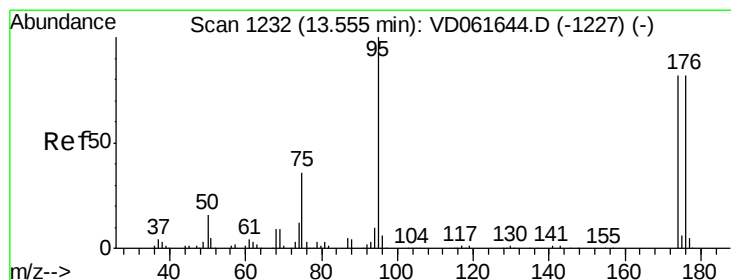
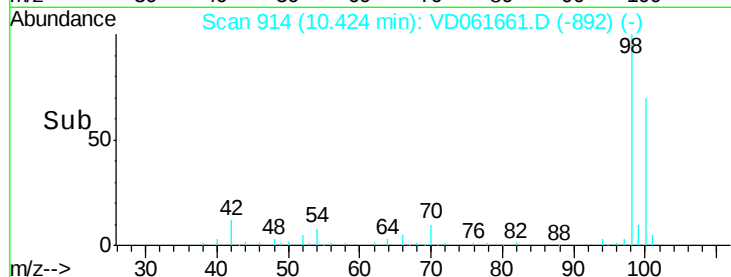
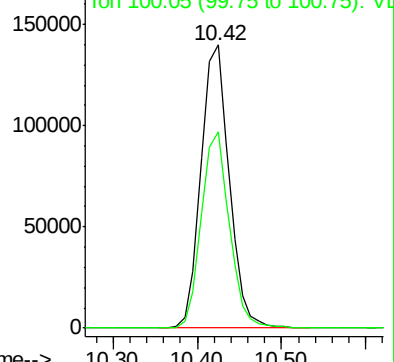
Ion Ratio Lower Upper

98 100

100 69.6 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VD061644.D (-905) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061661.D

Acq: 8 Apr 2019 20:16

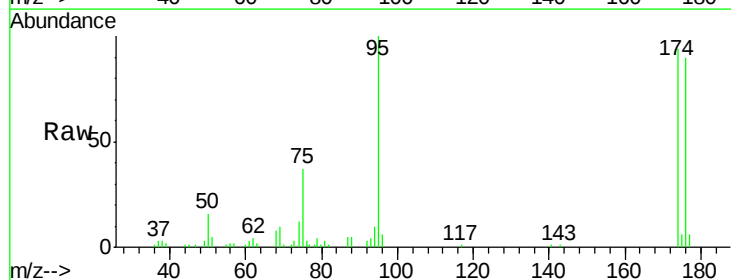
Tgt Ion: 95 Resp: 77739

Ion Ratio Lower Upper

95 100

174 93.9 0.0 164.6

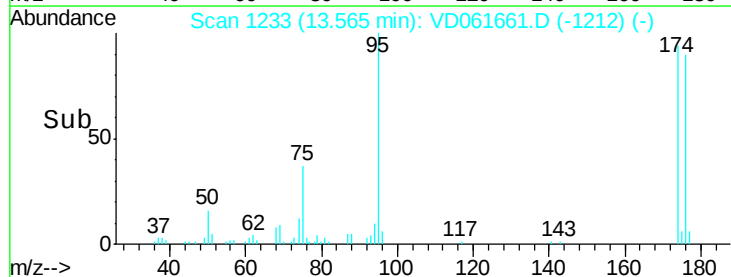
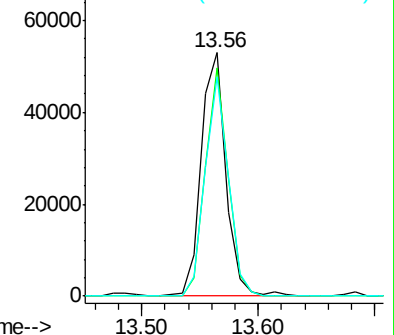
176 89.9 0.0 165.0

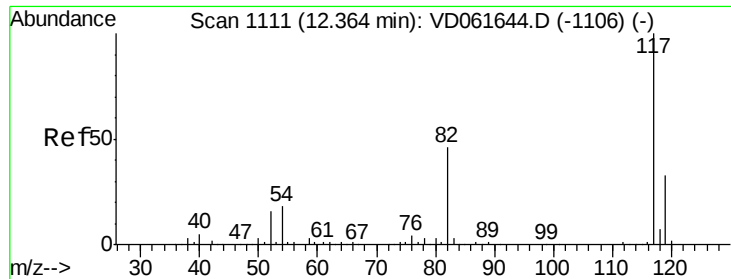


Abundance Ion 95.00 (94.70 to 95.70): VD061644.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD061644.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD061644.D (-1227) (-)

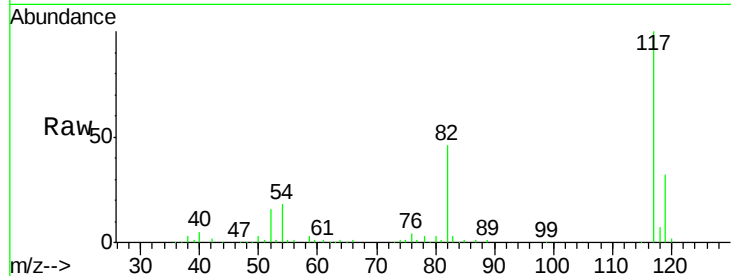




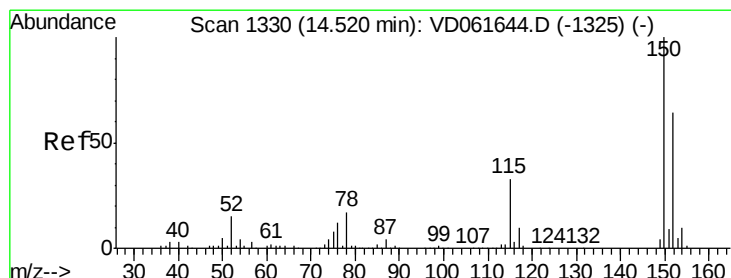
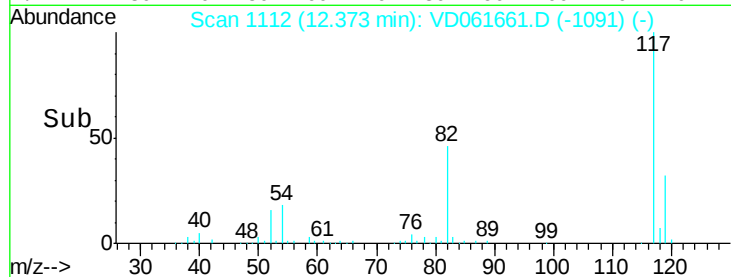
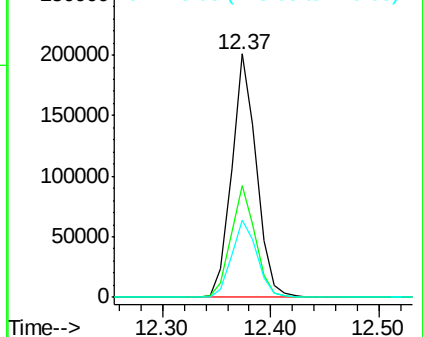
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.37 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VD061661.D
 Acq: 8 Apr 2019 20:16

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:117 Resp: 317983
 Ion Ratio Lower Upper
 117 100
 82 46.1 36.8 55.2
 119 31.9 26.1 39.1

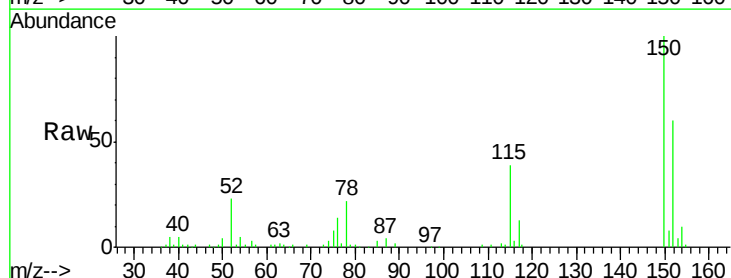


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

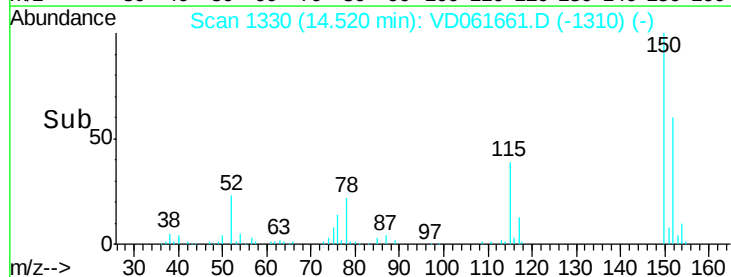
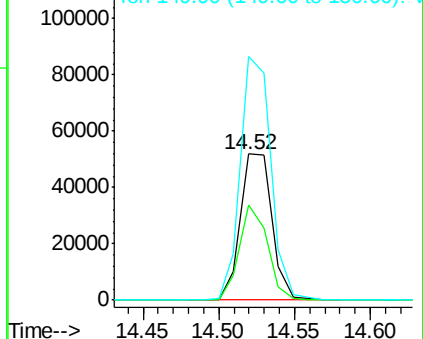


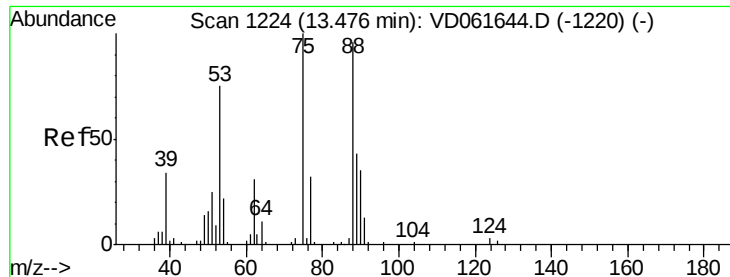
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD061661.D
 Acq: 8 Apr 2019 20:16

Tgt Ion:152 Resp: 75255
 Ion Ratio Lower Upper
 152 100
 115 65.0 26.4 79.2
 150 166.6 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

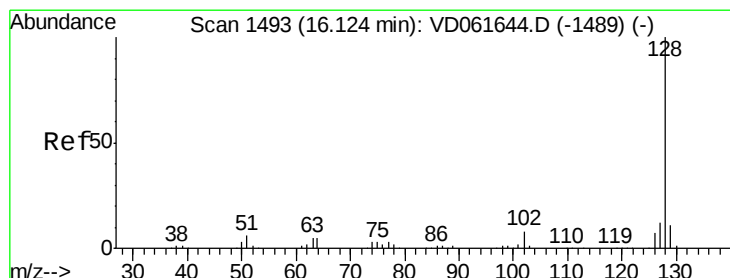
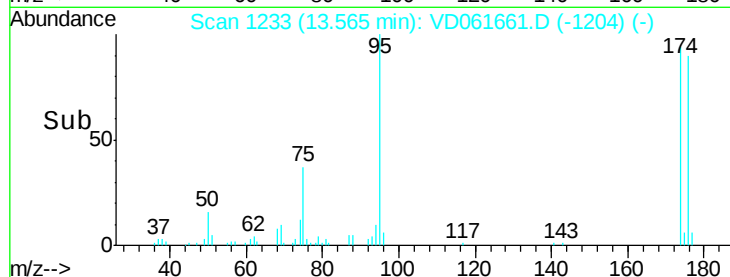
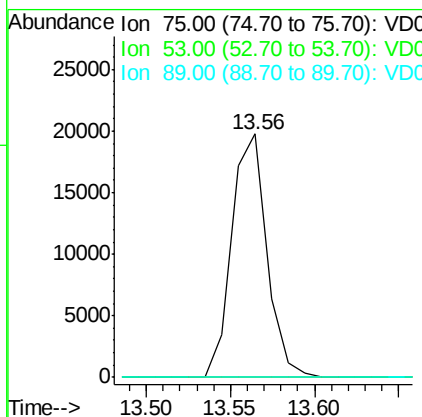
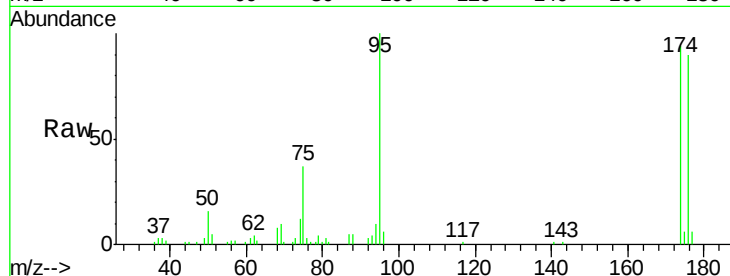




#81
trans-1,4-Dichloro-2-butene
Concen: 91.854 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.09 min
Lab File: VD061661.D
Acq: 8 Apr 2019 20:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 28538
Ion Ratio Lower Upper
75 100
53 0.0 60.2 90.2#
89 0.0 34.2 51.2#



#95
Naphthalene
Concen: 3.507 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061661.D
Acq: 8 Apr 2019 20:16

Tgt Ion: 128 Resp: 5836
Ion Ratio Lower Upper
128 100
127 9.8 9.4 14.2
129 11.4 8.8 13.2

