

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061149.D
 Acq On : 18 Mar 2019 17:00
 Operator : VA/AP
 Sample : K1935-04
 Misc : 3.05µl/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:17:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	356042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	593572	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	338037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	95612	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	154016	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
35) Dibromofluoromethane	6.92	113	228751	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
50) Toluene-d8	10.41	98	435813	39.40	ug/l	0.00
Spiked Amount			Recovery	=	78.80%	
62) 4-Bromofluorobenzene	13.55	95	107925	25.14	ug/l	0.00
Spiked Amount			Recovery	=	50.28%	

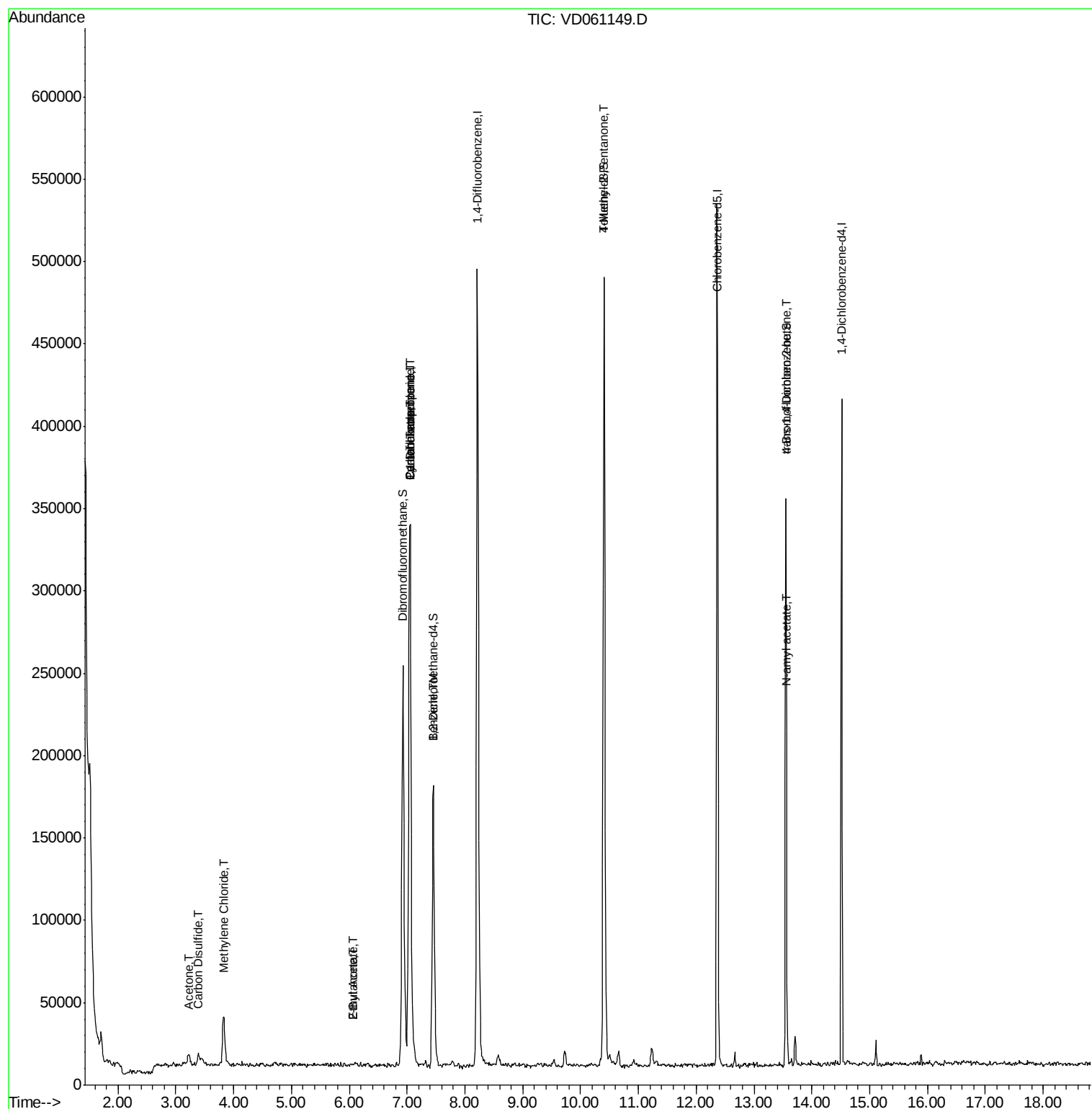
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	15644	18.459	ug/l #	88
17) Carbon Disulfide	3.39	76	14880	1.234	ug/l #	93
20) Methylene Chloride	3.82	84	23577	1.586	ug/l	96
25) 2-Butanone	6.07	43	3056	3.178	ug/l #	55
31) Cyclohexane	7.04	56	8422	1.606	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	26817	5.241	ug/l #	46
37) Ethyl Acetate	6.07	43	3056	1.273	ug/l #	66
38) Carbon Tetrachloride	7.04	117	36346	6.449	ug/l #	14
40) Benzene	7.46	78	23142	1.810	ug/l	96
51) 4-Methyl-2-Pentanone	10.41	43	2076	1.019	ug/l #	1
74) N-amyl acetate	13.57	43	2537	1.308	ug/l #	56
81) trans-1,4-Dichloro-2-buten	13.55	75	39406	97.169	ug/l #	17

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

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MSVOA_D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061149.D

Acq: 18 Mar 2019 17:00

Instrument :

MSVOA_D

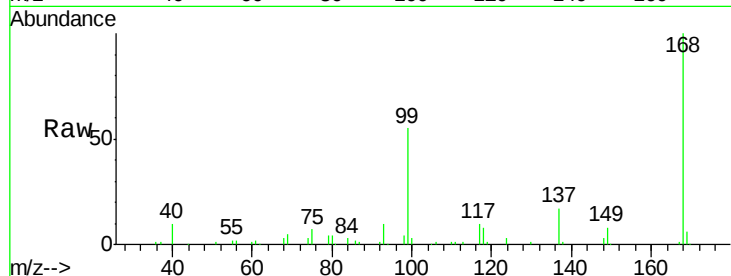
ClientSampleId :

Tot Ion:168 Resp: 356042

Ion Ratio Lower Upper

168 100

99 55.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

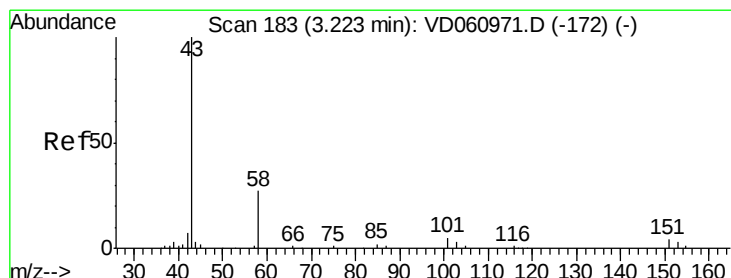
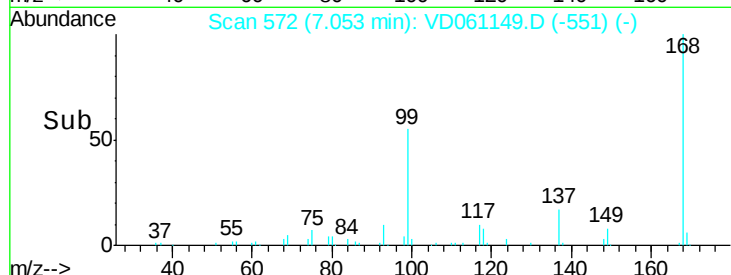
7.05

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#16

Acetone

Concen: 18.459 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061149.D

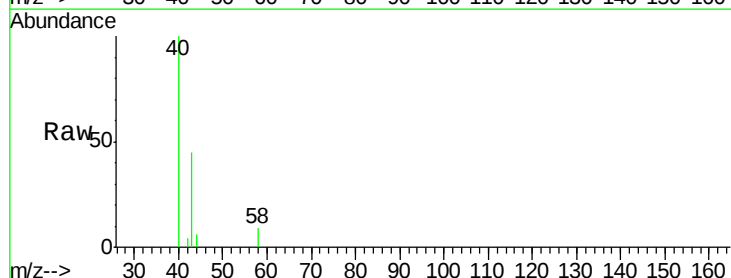
Acq: 18 Mar 2019 17:00

Tgt Ion: 43 Resp: 15644

Ion Ratio Lower Upper

43 100

58 20.6 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

6000

5000

4000

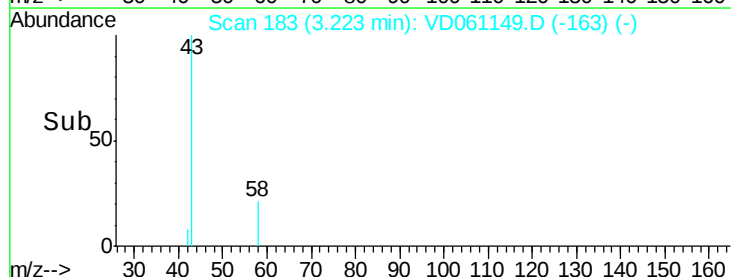
3000

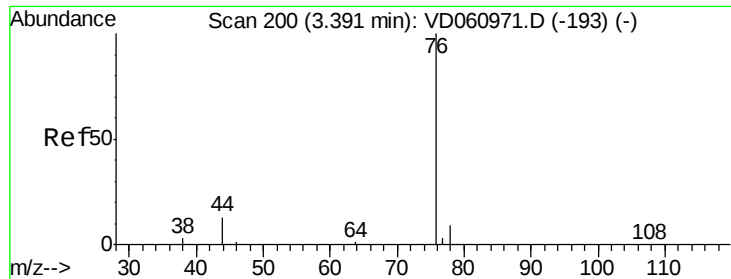
2000

1000

0

Time--> 3.10 3.20 3.30





#17

Carbon Disulfide

Concen: 1.234 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.00 min

Lab File: VD061149.D

Acq: 18 Mar 2019 17:00

Instrument :

MSVOA_D

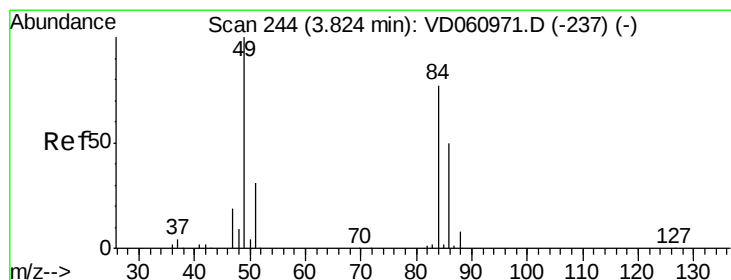
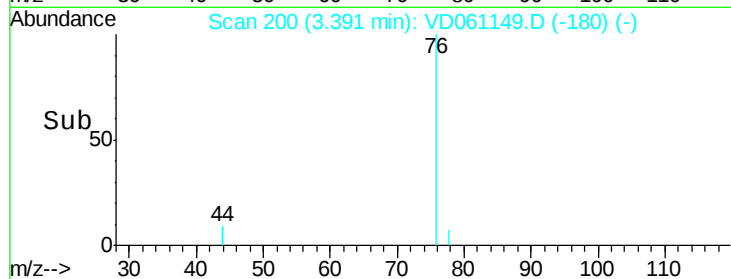
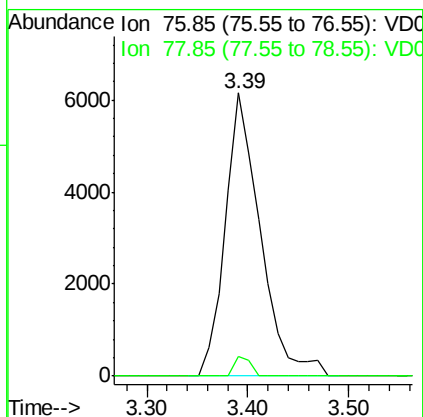
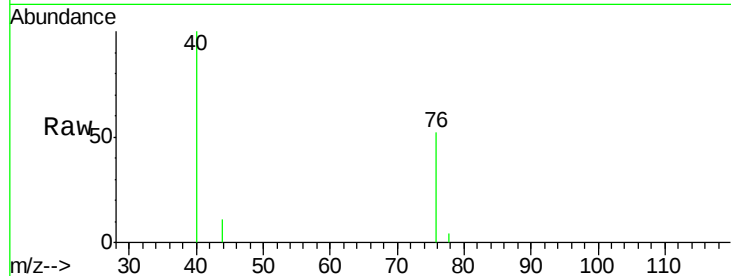
ClientSampleId :

Tot Ion: 76 Resp: 14880

Ion Ratio Lower Upper

76 100

78 6.9 7.4 11.2#



#20

Methylene Chloride

Concen: 1.586 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD061149.D

Acq: 18 Mar 2019 17:00

Tgt Ion: 84 Resp: 23577

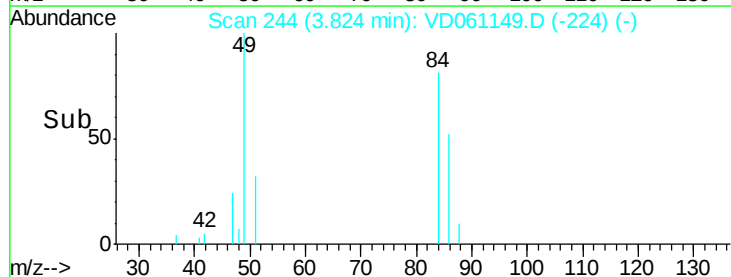
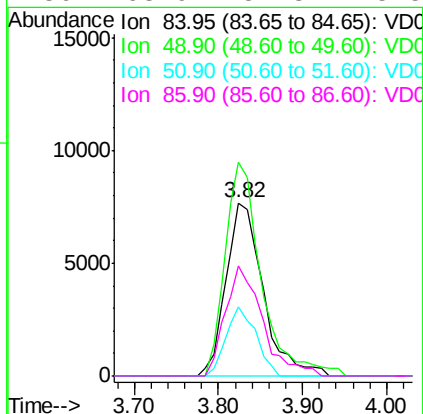
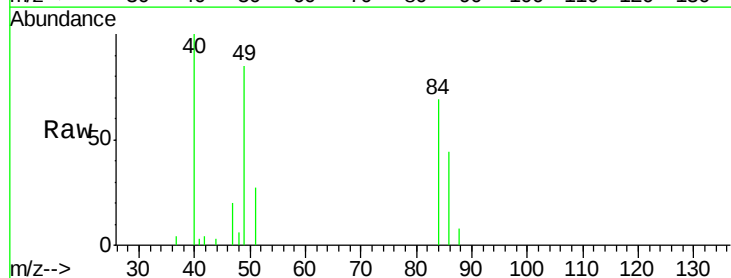
Ion Ratio Lower Upper

84 100

49 123.6 104.2 156.2

51 39.7 32.3 48.5

86 63.9 52.3 78.5





#25

2-Butanone

Concen: 3.178 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD061149.D

Acq: 18 Mar 2019 17:00

Instrument :

MSVOA_D

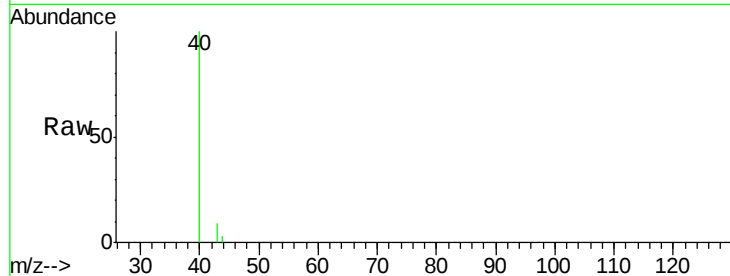
ClientSampleId :

Tot Ion: 43 Resp: 3056

Ion Ratio Lower Upper

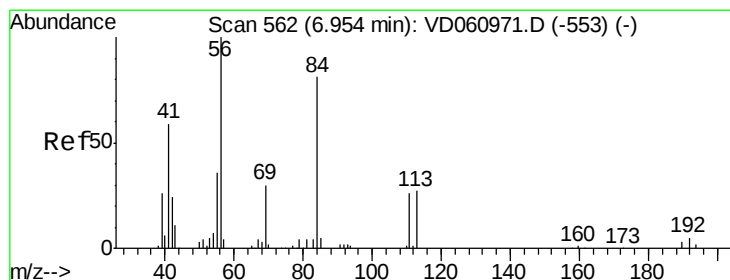
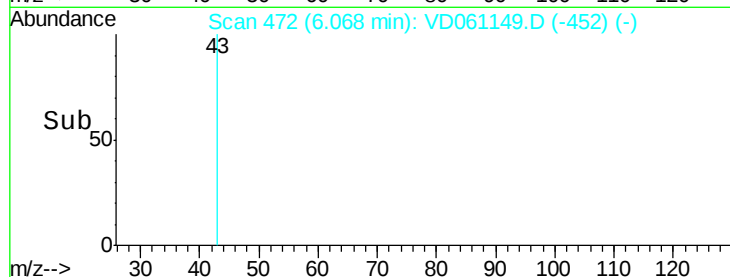
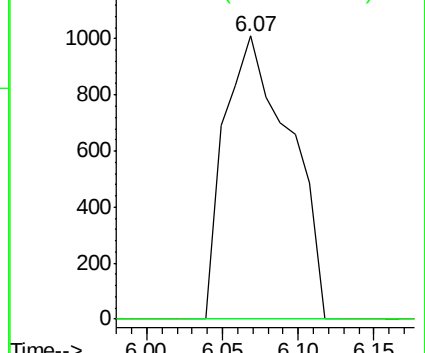
43 100

72 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.606 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD061149.D

Acq: 18 Mar 2019 17:00

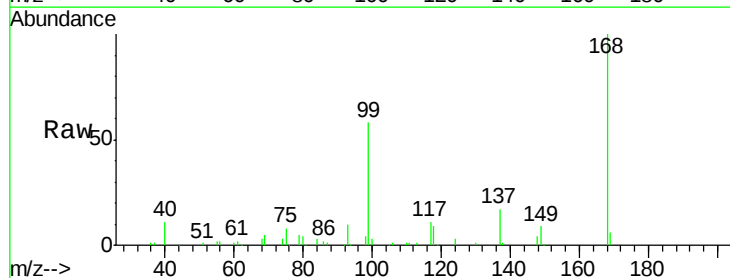
Tgt Ion: 56 Resp: 8422

Ion Ratio Lower Upper

56 100

69 250.9 24.0 36.0#

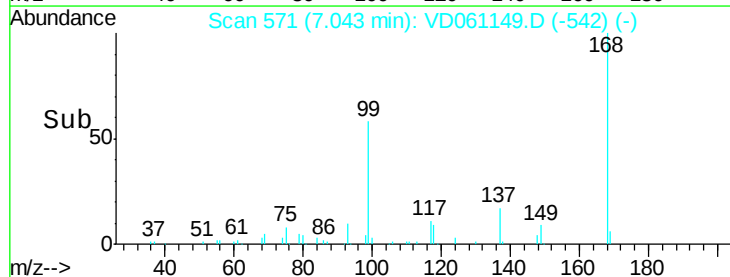
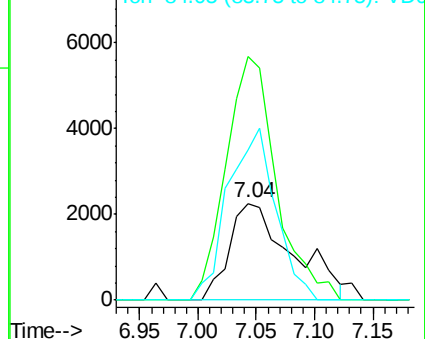
84 154.8 65.8 98.6#

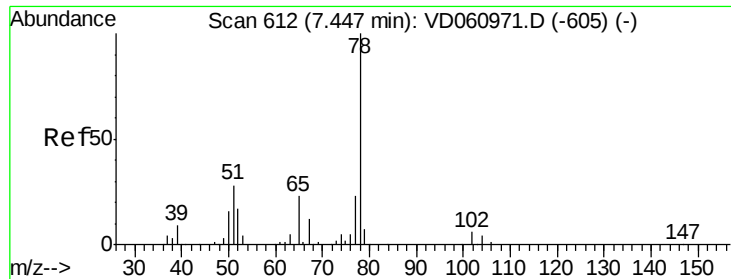


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061149.D

Acq: 18 Mar 2019 17:00

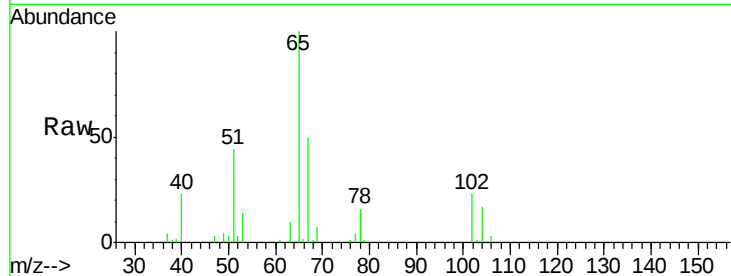
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 154016

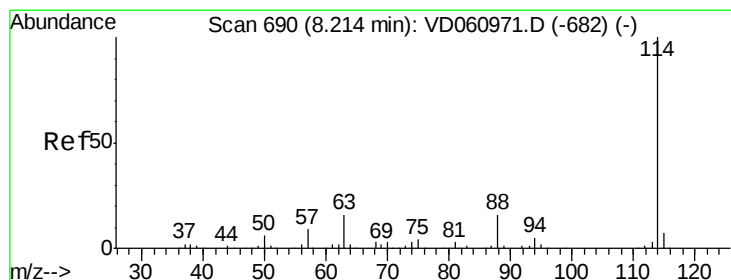
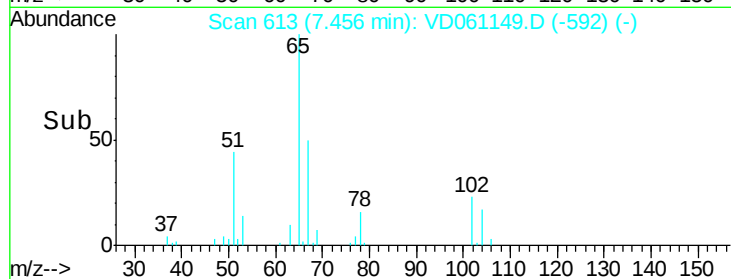
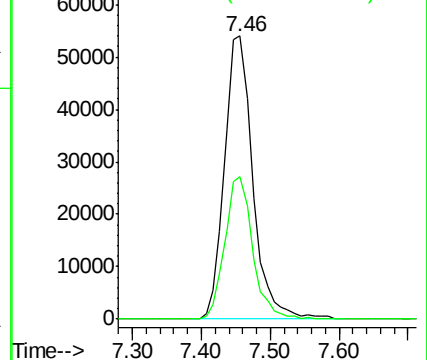
Ion Ratio Lower Upper

65 100

67 50.4 0.0 105.2



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



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD061149.D

Acq: 18 Mar 2019 17:00

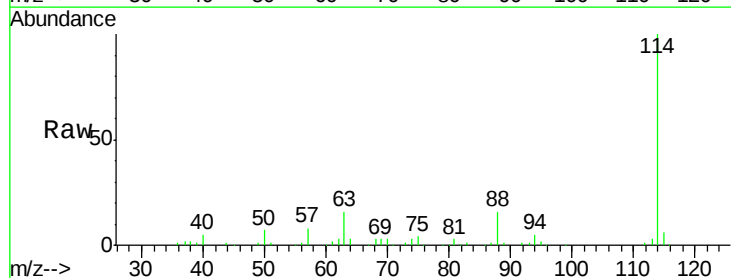
Tgt Ion: 114 Resp: 593572

Ion Ratio Lower Upper

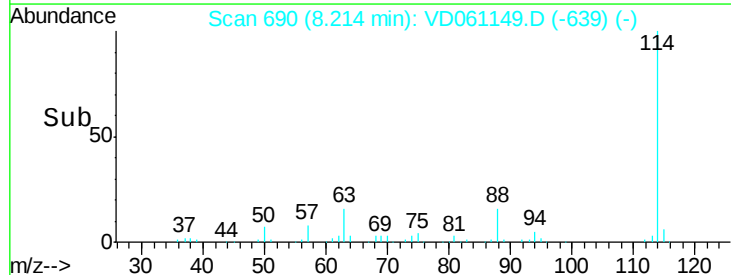
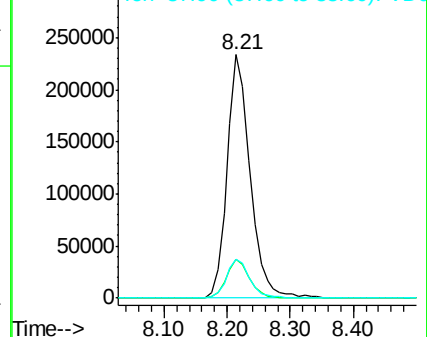
114 100

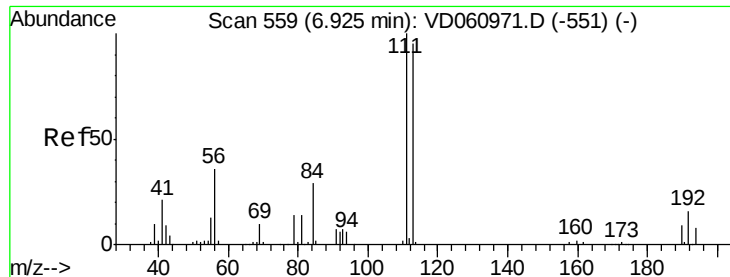
63 15.8 0.0 31.4

88 15.8 0.0 33.0



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

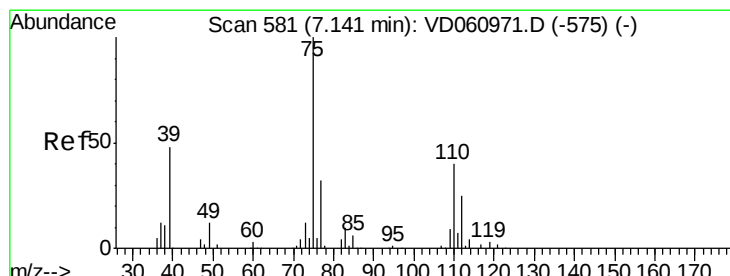
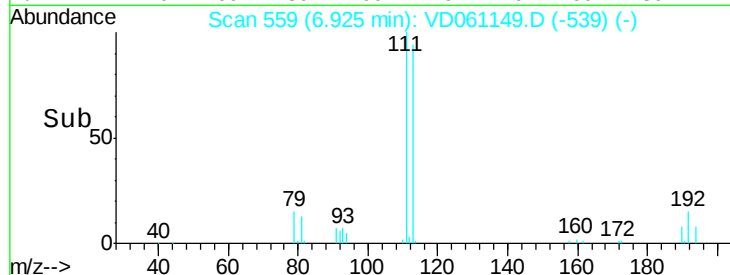
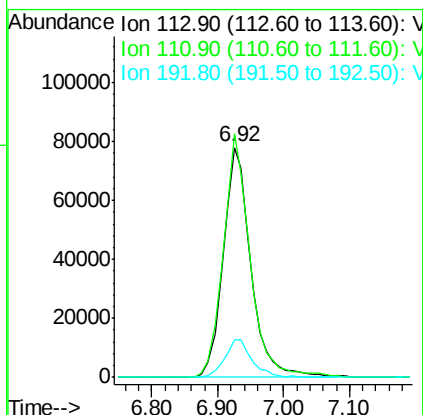
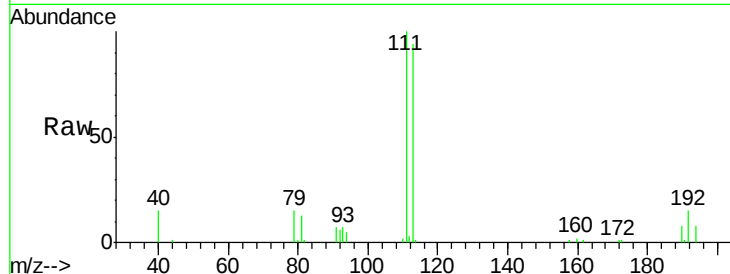




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD061149.D
 Acq: 18 Mar 2019 17:00

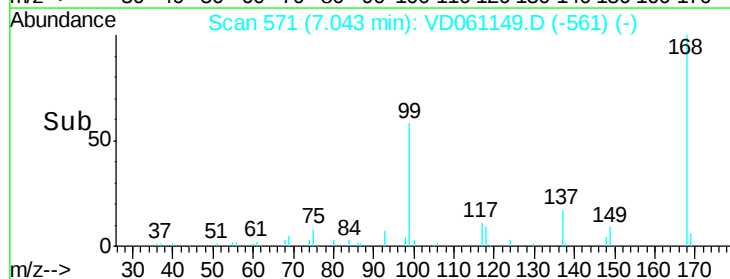
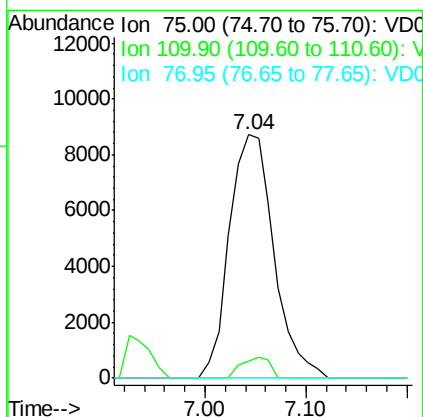
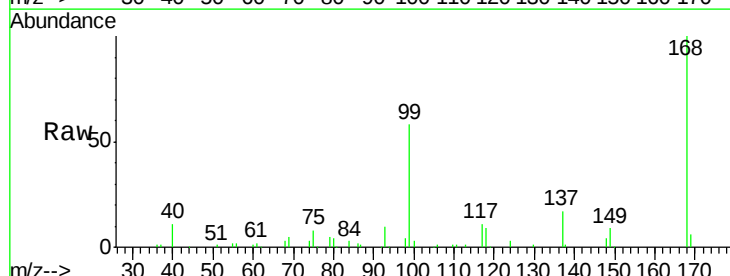
Instrument :
 MSVOA_D
 ClientSampleId :

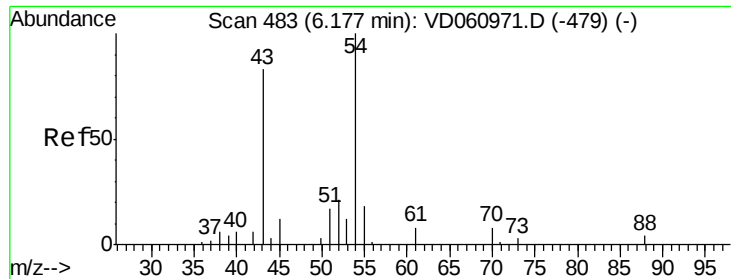
Tot Ion:113 Resp: 228751
 Ion Ratio Lower Upper
 113 100
 111 105.9 84.2 126.4
 192 16.2 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 5.241 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD061149.D
 Acq: 18 Mar 2019 17:00

Tgt Ion: 75 Resp: 26817
 Ion Ratio Lower Upper
 75 100
 110 7.2 19.7 59.1#
 77 0.0 24.7 37.1#

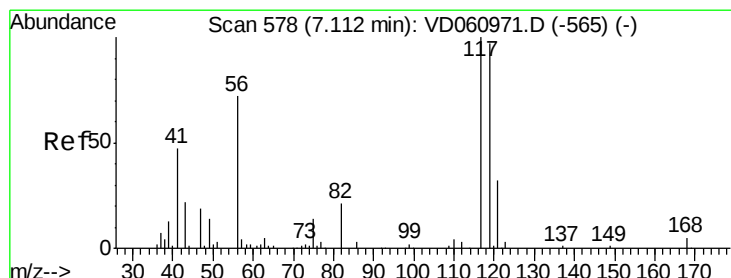
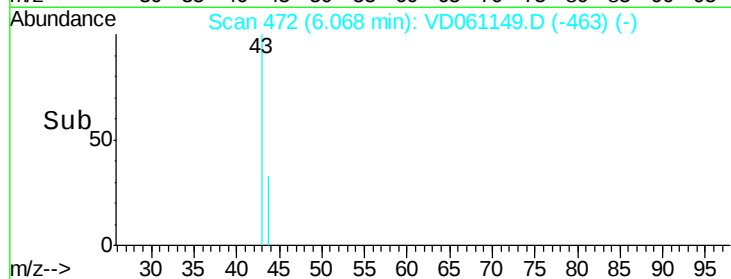
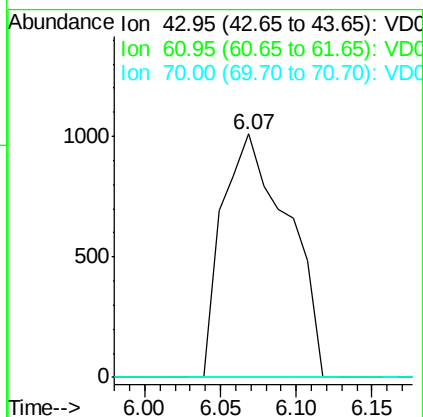
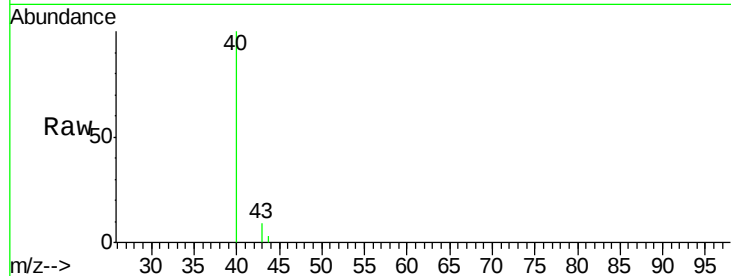




#37
Ethyl Acetate
Concen: 1.273 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.11 min
Lab File: VD061149.D
Acq: 18 Mar 2019 17:00

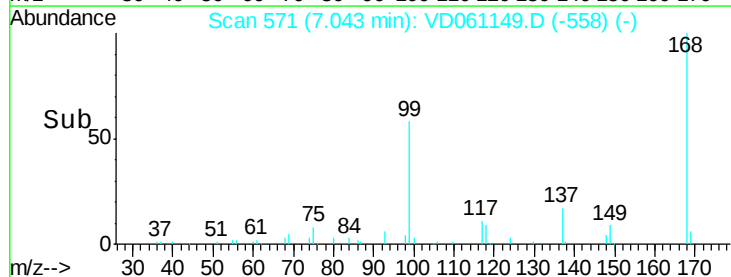
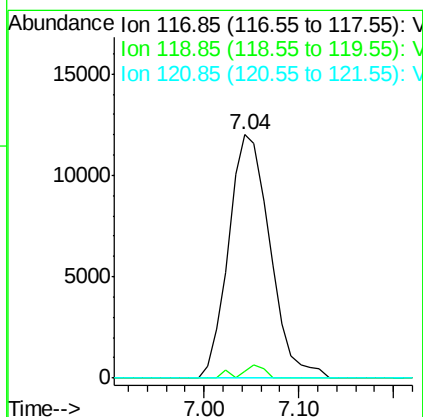
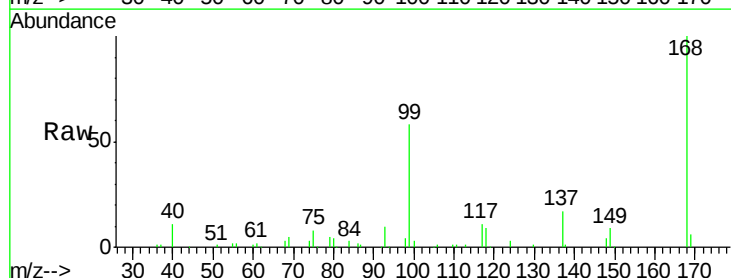
Instrument :
MSVOA_D
ClientSampled :

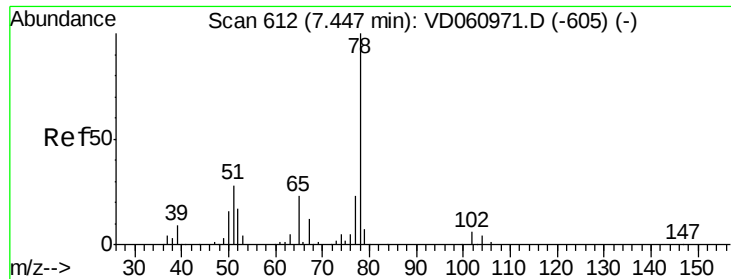
Tot Ion: 43 Resp: 3056
Ion Ratio Lower Upper
43 100
61 0.0 13.7 20.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.449 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD061149.D
Acq: 18 Mar 2019 17:00

Tgt Ion: 117 Resp: 36346
Ion Ratio Lower Upper
117 100
119 2.8 77.8 116.8#
121 0.0 25.3 37.9#





#40

Benzene

Concen: 1.810 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061149.D

Acq: 18 Mar 2019 17:00

Instrument :

MSVOA_D

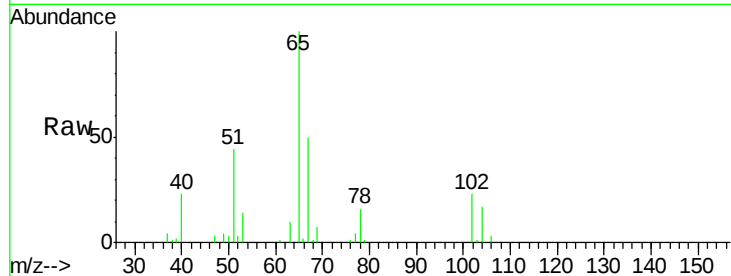
ClientSampleId :

Tot Ion: 78 Resp: 23142

Ion Ratio Lower Upper

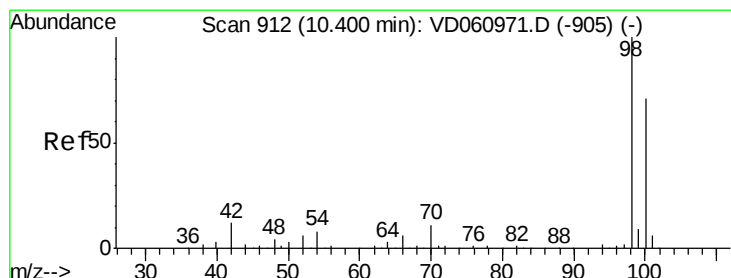
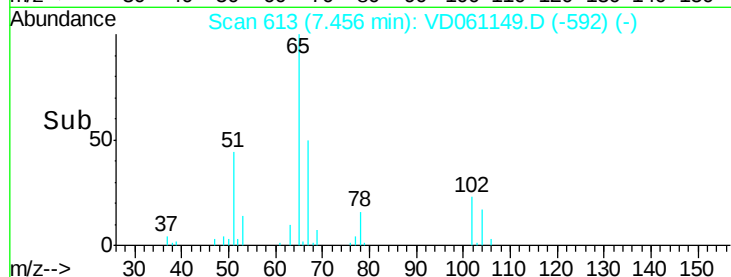
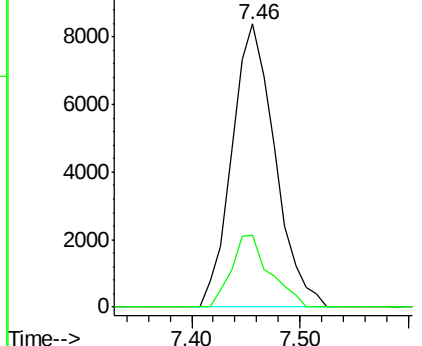
78 100

77 25.6 18.8 28.2



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: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061149.D

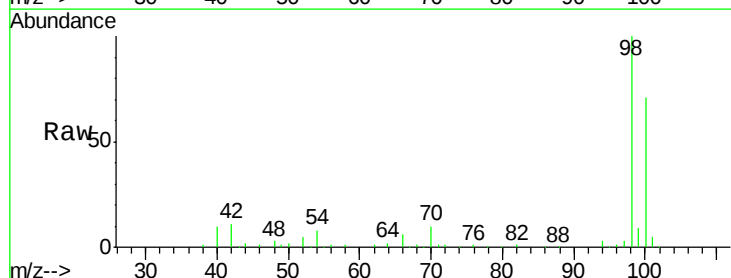
Acq: 18 Mar 2019 17:00

Tgt Ion: 98 Resp: 435813

Ion Ratio Lower Upper

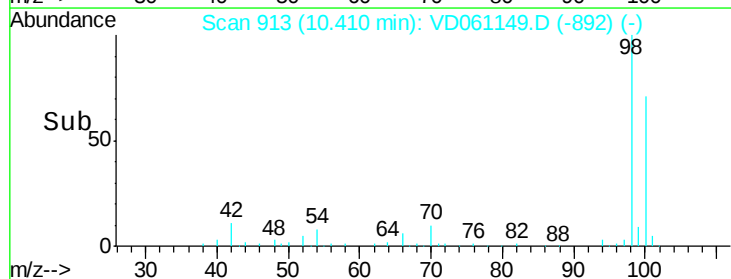
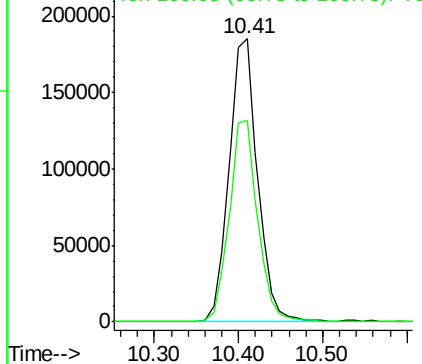
98 100

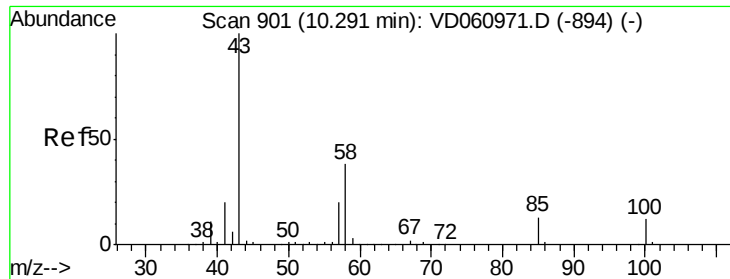
100 71.1 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.019 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.12 min

Lab File: VD061149.D

Acq: 18 Mar 2019 17:00

Instrument :

MSVOA_D

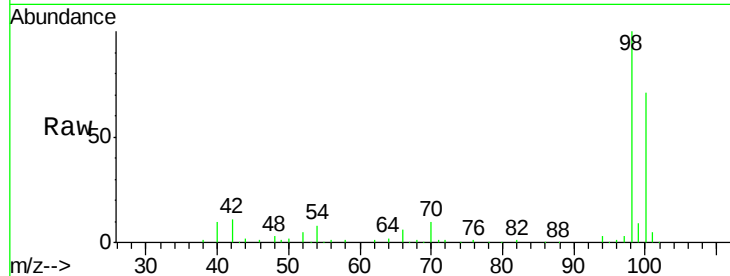
ClientSampled :

Tot Ion: 43 Resp: 2076

Ion Ratio Lower Upper

43 100

58 148.2 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

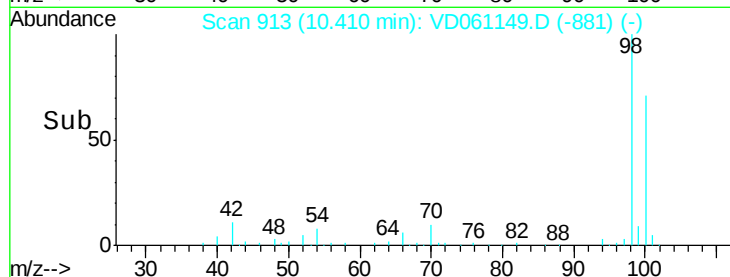
1500

1000

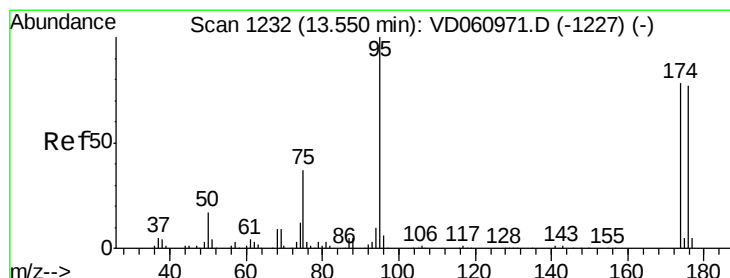
500

0

10.35 10.40 10.45



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061149.D

Acq: 18 Mar 2019 17:00

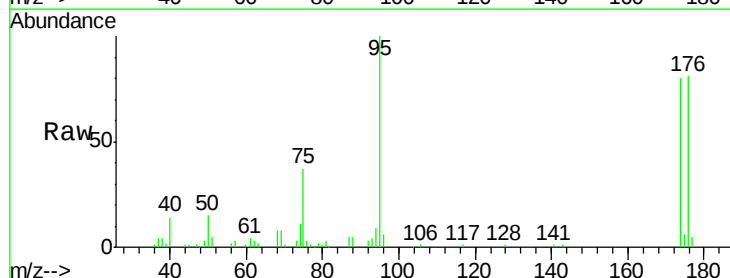
Tgt Ion: 95 Resp: 107925

Ion Ratio Lower Upper

95 100

174 80.1 0.0 155.6

176 80.8 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

100000

80000

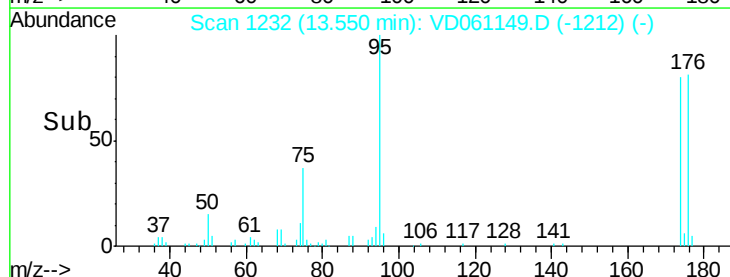
60000

40000

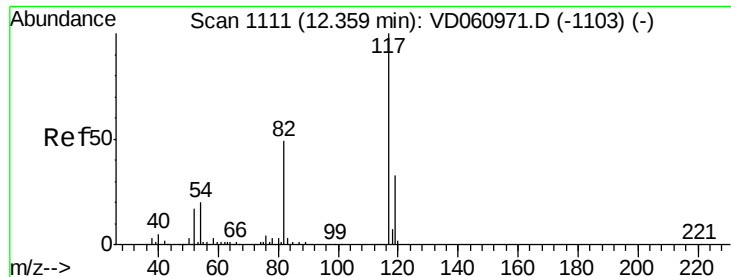
20000

0

13.50 13.55 13.60



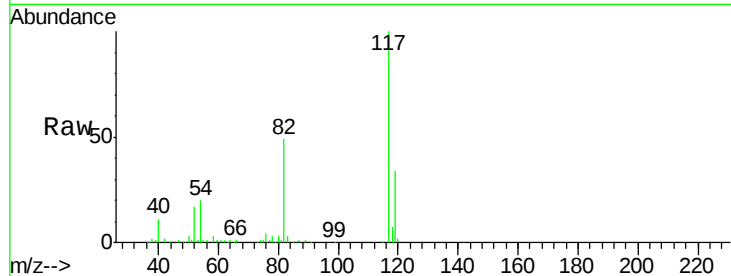
Time-->



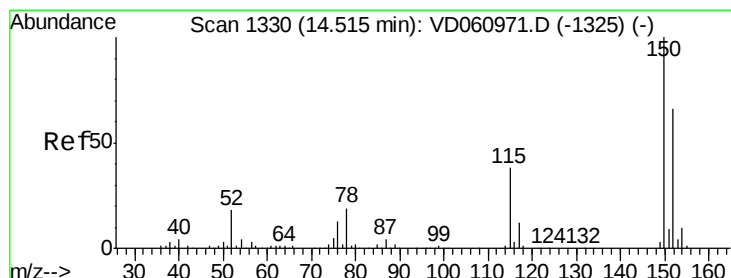
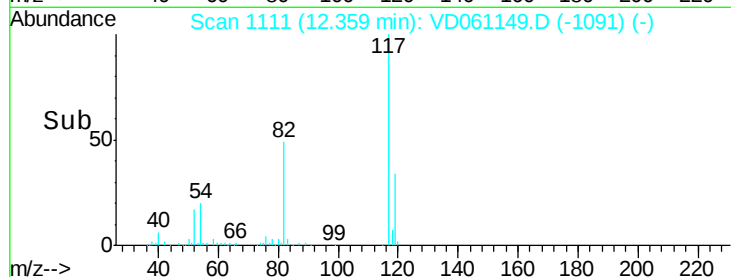
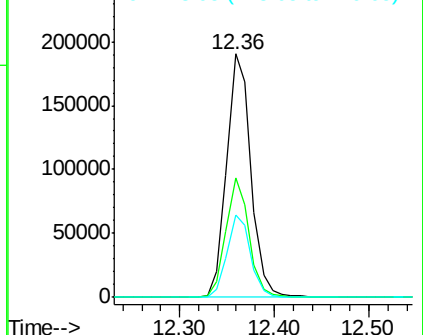
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061149.D
Acq: 18 Mar 2019 17:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 338037
Ion Ratio Lower Upper
117 100
82 49.3 38.9 58.3
119 33.6 26.6 39.8

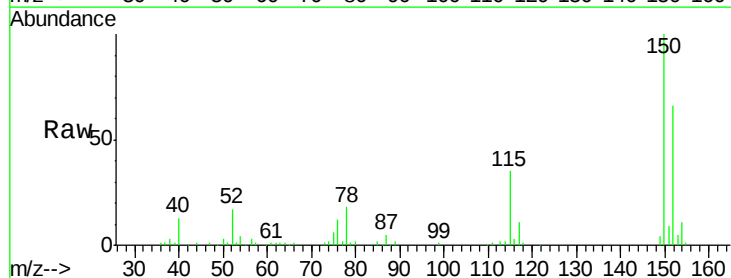


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

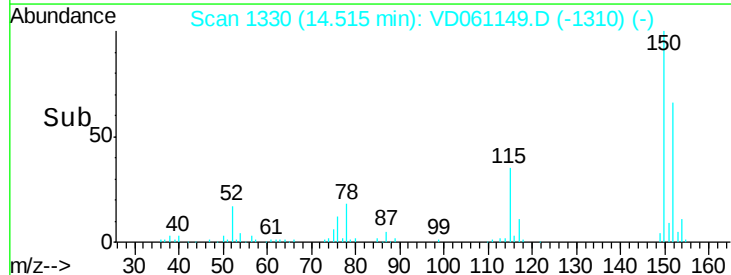
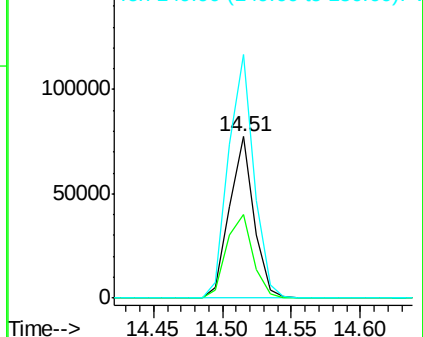


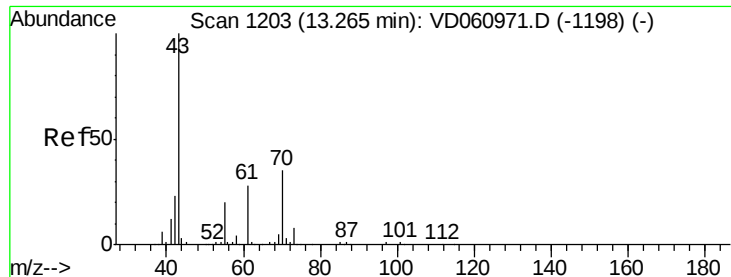
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061149.D
Acq: 18 Mar 2019 17:00

Tgt Ion:152 Resp: 95612
Ion Ratio Lower Upper
152 100
115 52.2 28.6 85.9
150 151.0 0.0 310.6



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





#74

N-amvl acetate

Concen: 1.308 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.31 min

Lab File: VD061149.D

Acq: 18 Mar 2019 17:00

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 2537

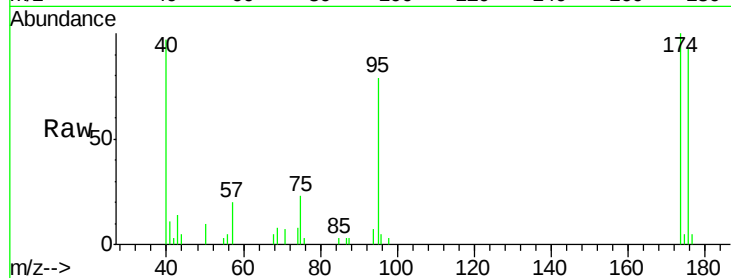
Ion Ratio Lower Upper

43 100

70 0.0 27.7 41.5#

55 22.9 16.2 24.2

61 0.0 22.3 33.5#

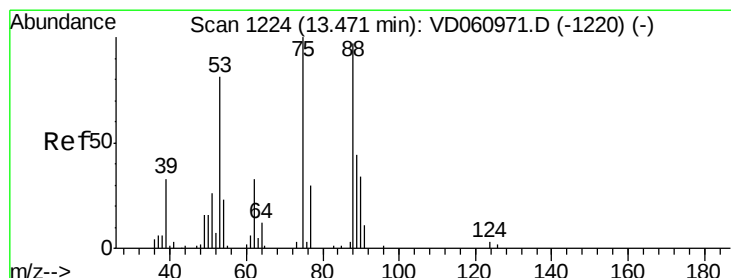
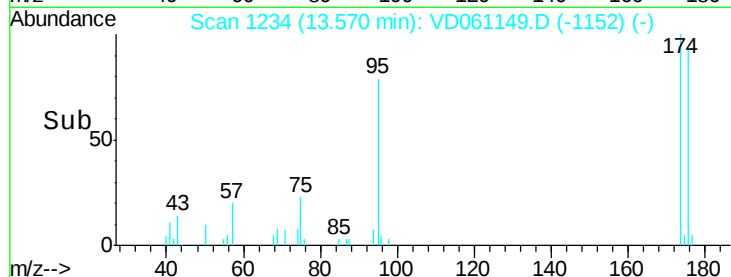
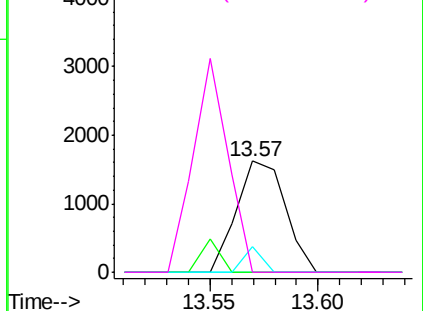


Abundance Ion 42.95 (42.65 to 43.65): VDC

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



#81

trans-1,4-Dichloro-2-butene

Concen: 97.169 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061149.D

Acq: 18 Mar 2019 17:00

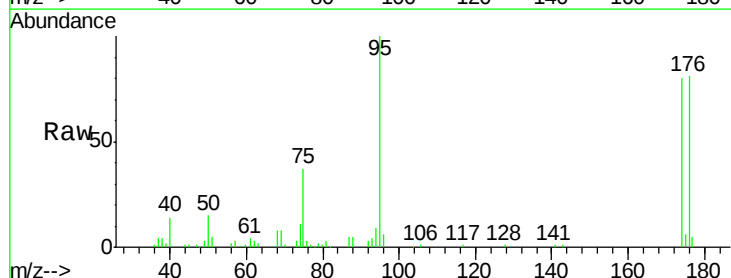
Tgt Ion: 75 Resp: 39406

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

