

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061205.D
 Acq On : 20 Mar 2019 13:54
 Operator : VA/AP
 Sample : K1987-02RE
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 01:59:43 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	321964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	583255	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	375074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	96265	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	185858	69.35	ug/l	0.00
Spiked Amount			Recovery	=	138.70%	
35) Dibromofluoromethane	6.92	113	287898	66.51	ug/l	0.00
Spiked Amount			Recovery	=	133.02%	
50) Toluene-d8	10.40	98	583130	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	
62) 4-Bromofluorobenzene	13.55	95	144430	34.24	ug/l	0.00
Spiked Amount			Recovery	=	68.48%	

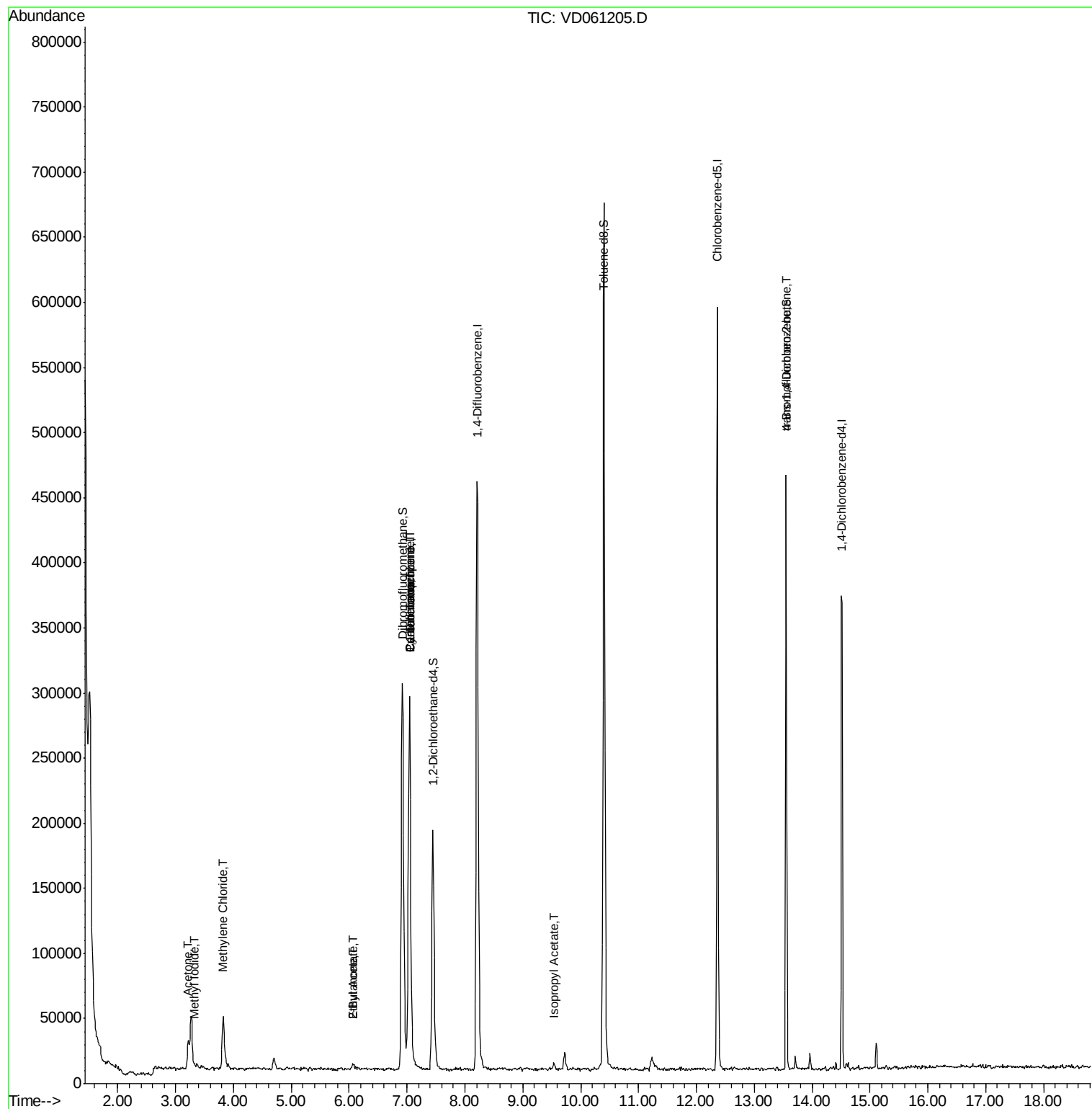
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	582	3.035	ug/l #	39
16) Acetone	3.22	43	47125	61.492	ug/l	97
20) Methylene Chloride	3.83	84	32995	5.270	ug/l	91
25) 2-Butanone	6.06	43	10135	11.655	ug/l	98
31) Cyclohexane	7.05	56	5125	1.081	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	22407	4.457	ug/l #	46
37) Ethyl Acetate	6.06	43	10135	4.296	ug/l #	66
38) Carbon Tetrachloride	7.05	117	29801	5.381	ug/l #	14
43) Isopropyl Acetate	9.55	43	4013	1.228	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.55	75	52606	128.838	ug/l #	17

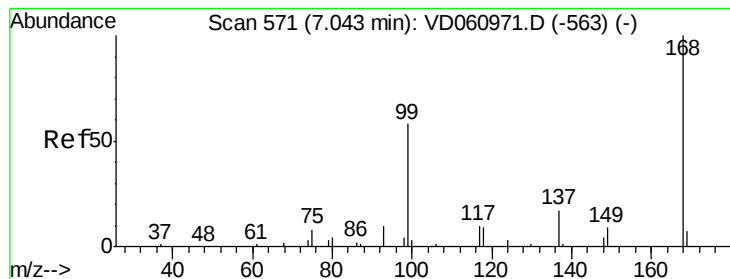
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032019\
Data File : VD061205.D
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Quant Time: Mar 22 01:59:43 2019
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# 571

Delta R.T. 0.00 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

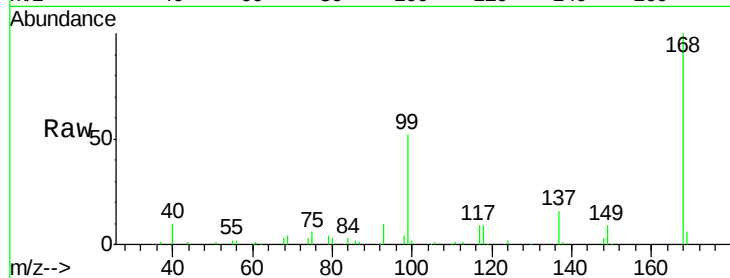
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 321964

Ion Ratio Lower Upper

168 100

99 51.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

120000

100000

80000

60000

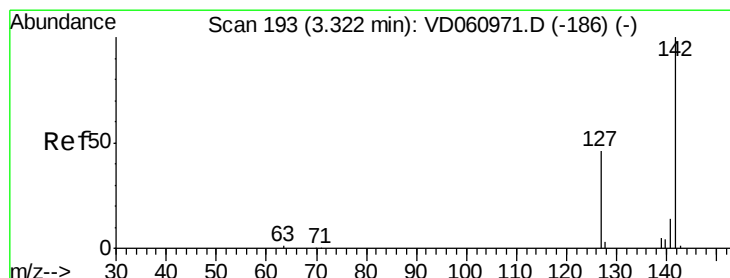
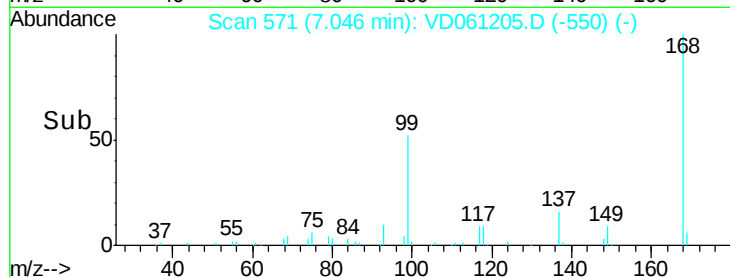
40000

20000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.035 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.00 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

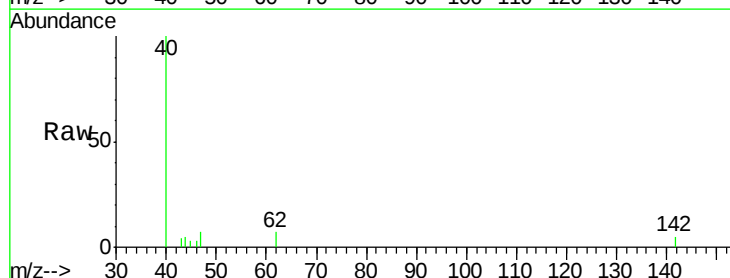
Tgt Ion:142 Resp: 582

Ion Ratio Lower Upper

142 100

127 0.0 36.8 55.2#

141 0.0 11.2 16.8#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.32

600

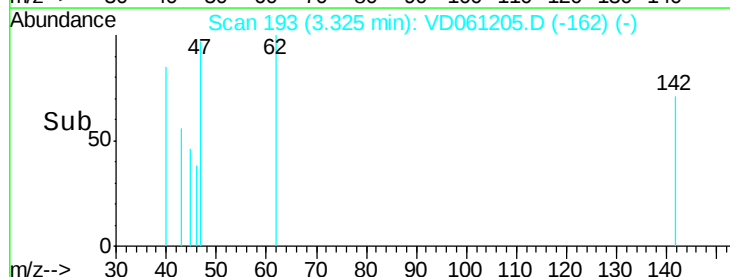
400

200

0

Time-->

3.30 3.32 3.34





#16

Acetone

Concen: 61.492 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

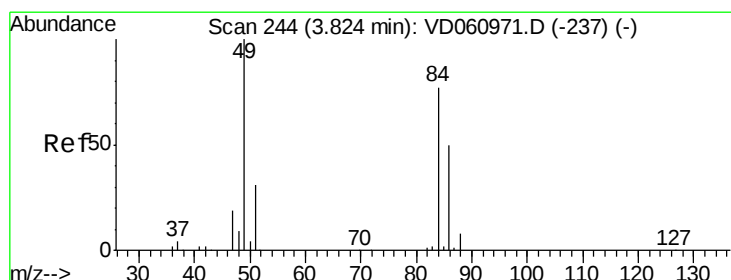
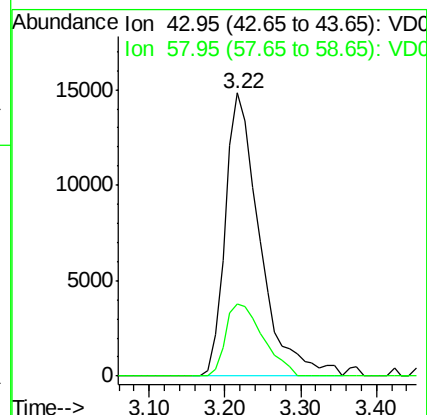
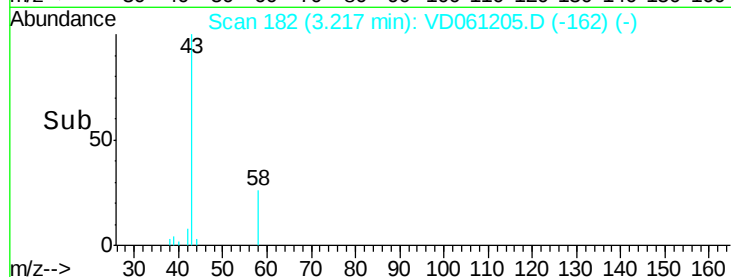
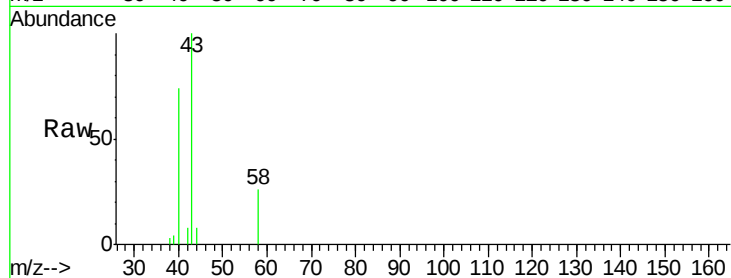
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 47125

Ion Ratio Lower Upper

43 100

58 25.5 21.6 32.4



#20

Methylene Chloride

Concen: 5.270 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

Tgt Ion: 84 Resp: 32995

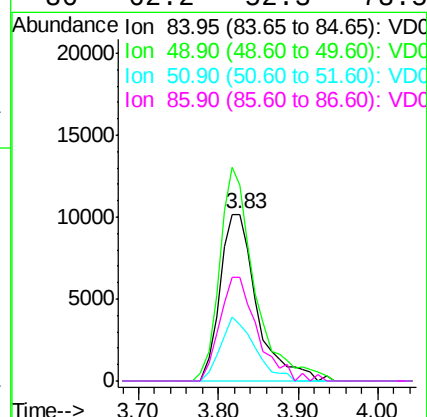
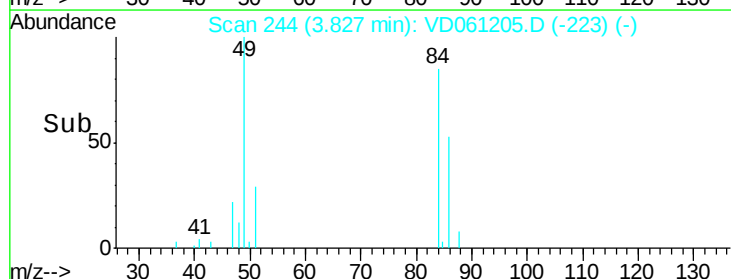
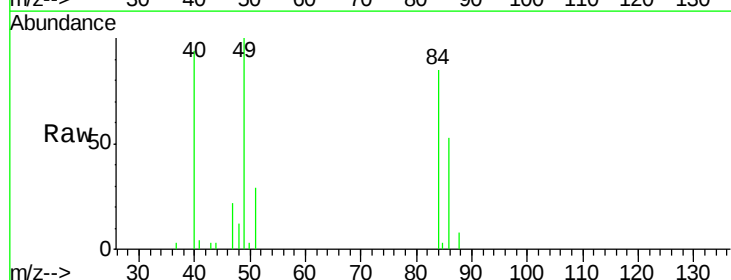
Ion Ratio Lower Upper

84 100

49 117.5 104.2 156.2

51 33.7 32.3 48.5

86 62.2 52.3 78.5





#25

2-Butanone

Concen: 11.655 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

Instrument :

MSVOA_D

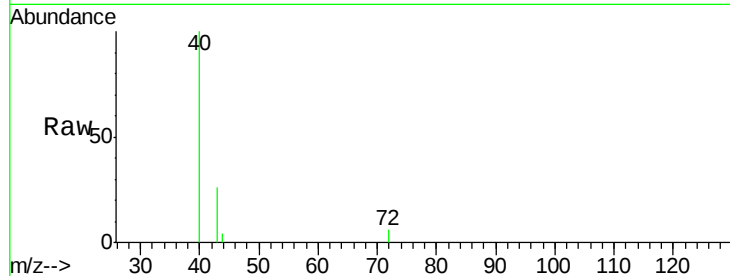
ClientSampleId :

Tot Ion: 43 Resp: 10135

Ion Ratio Lower Upper

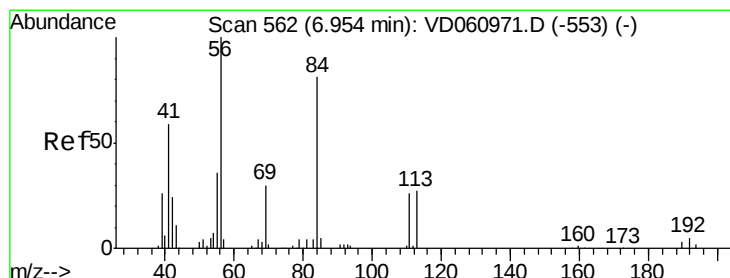
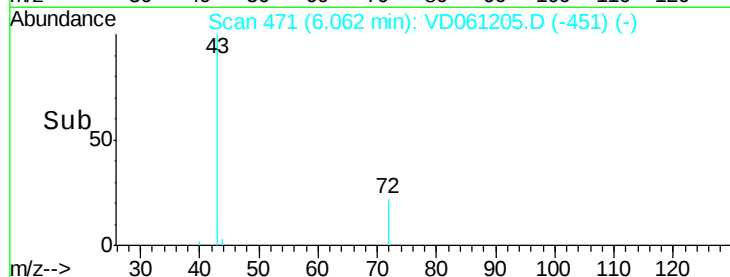
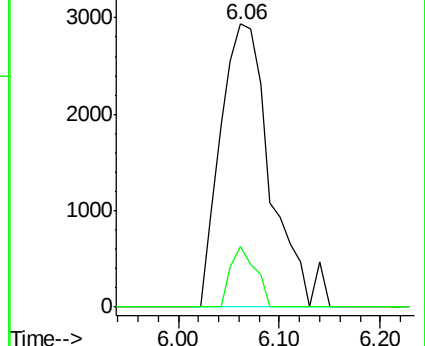
43 100

72 21.6 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: 1.081 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

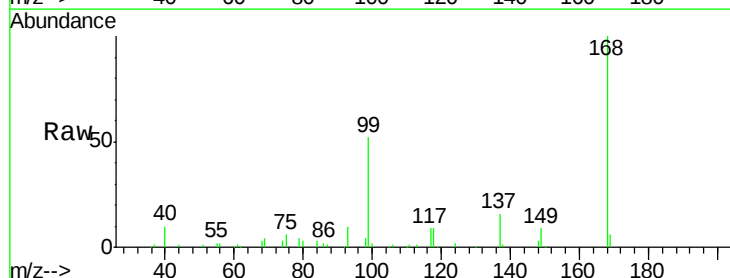
Tgt Ion: 56 Resp: 5125

Ion Ratio Lower Upper

56 100

69 260.7 24.0 36.0#

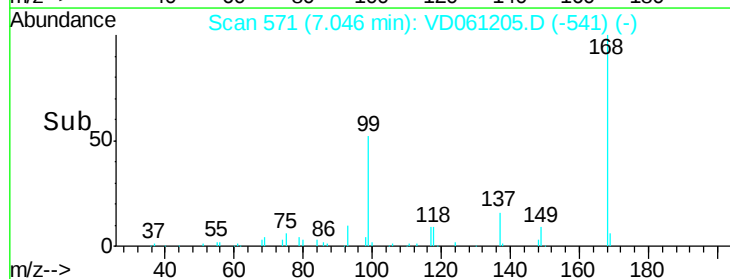
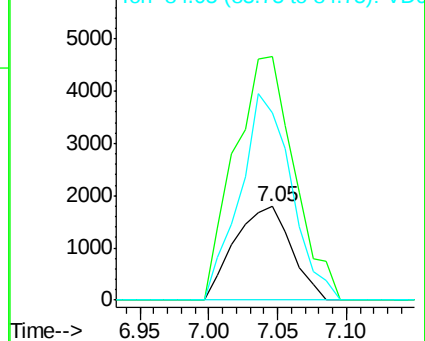
84 200.8 65.8 98.6#

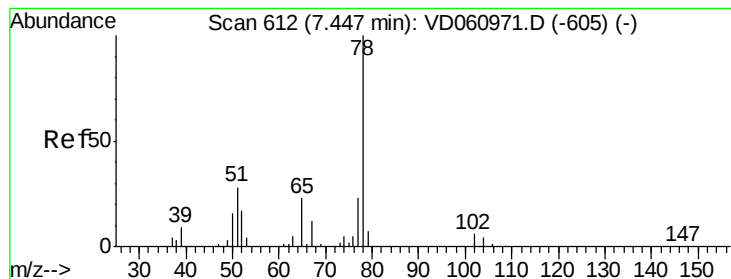


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

Instrument :

MSVOA_D

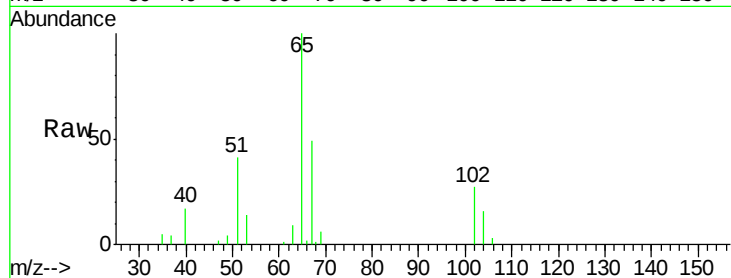
ClientSampleId :

Tot Ion: 65 Resp: 185858

Ion Ratio Lower Upper

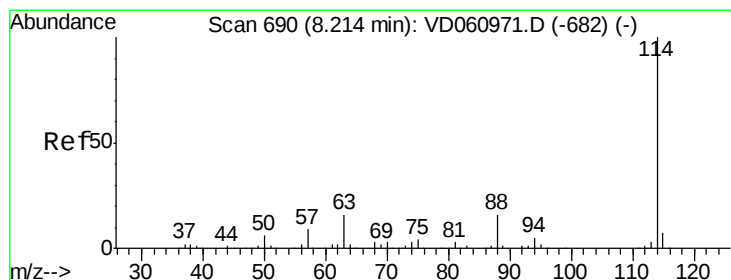
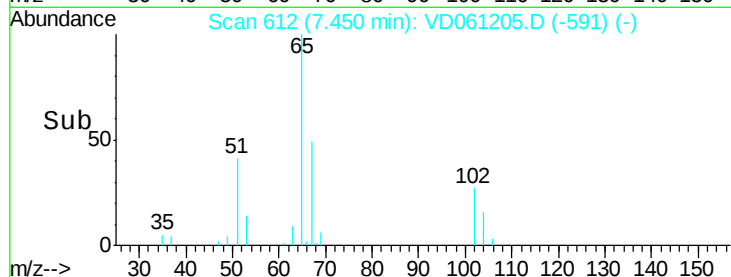
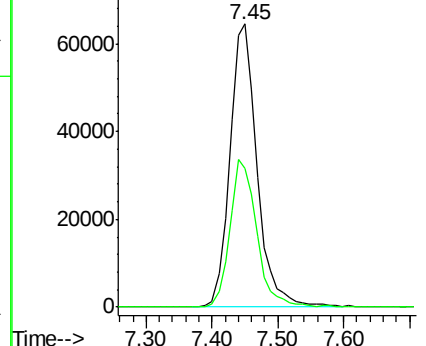
65 100

67 49.1 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# 689

Delta R.T. -0.01 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

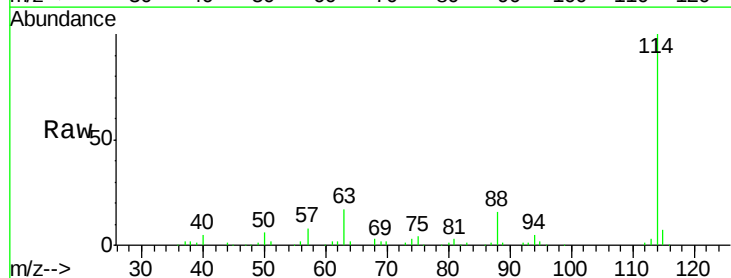
Tgt Ion: 114 Resp: 583255

Ion Ratio Lower Upper

114 100

63 16.9 0.0 31.4

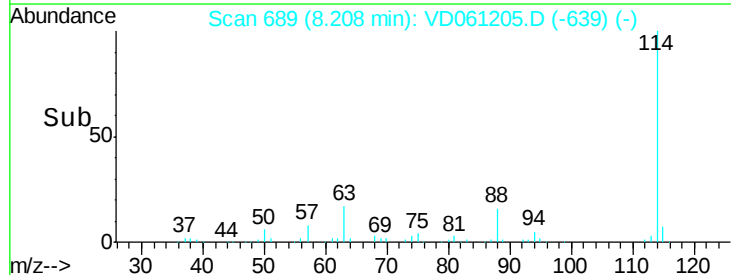
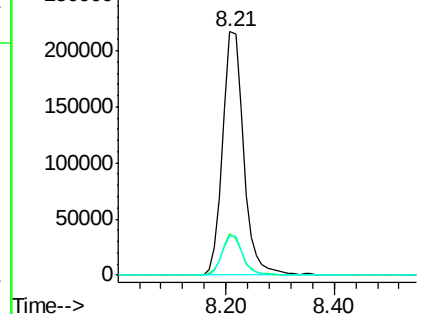
88 16.0 0.0 33.0

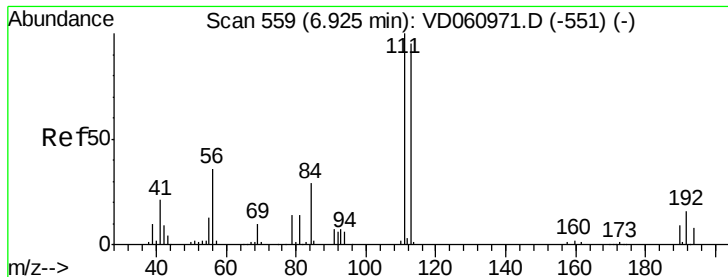


Abundance Ion 114.00 (113.70 to 114.70): VDC

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# 558

Delta R.T. -0.01 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

Instrument :
MSVOA_D
ClientSampled :

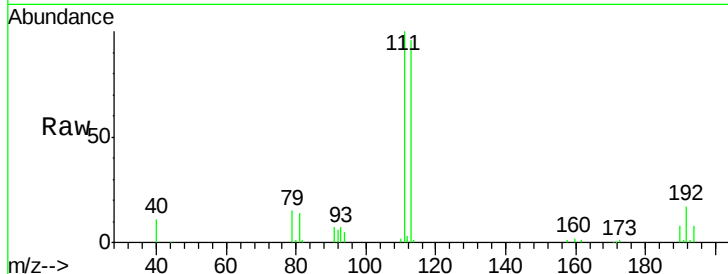
Tot Ion:113 Resp: 287898

Ion Ratio Lower Upper

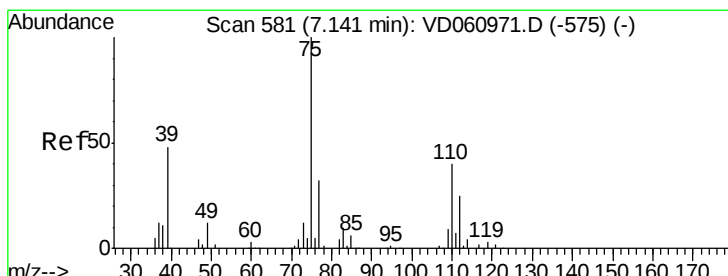
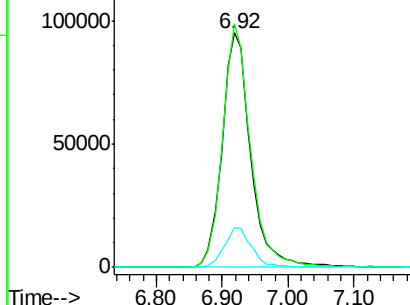
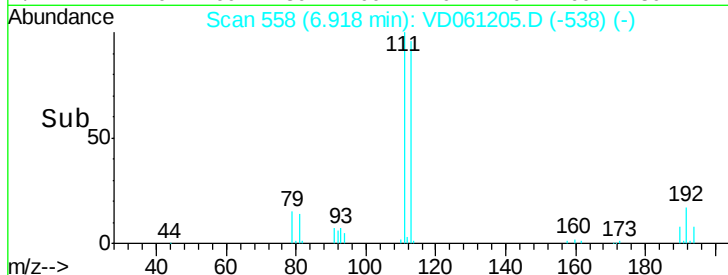
113 100

111 103.9 84.2 126.4

192 17.3 13.1 19.7



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



#36

1,1-Dichloropropene

Concen: 4.457 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

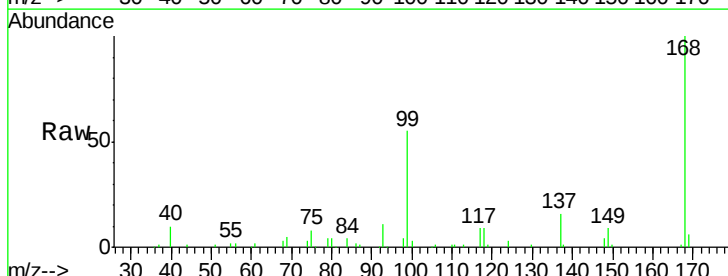
Tgt Ion: 75 Resp: 22407

Ion Ratio Lower Upper

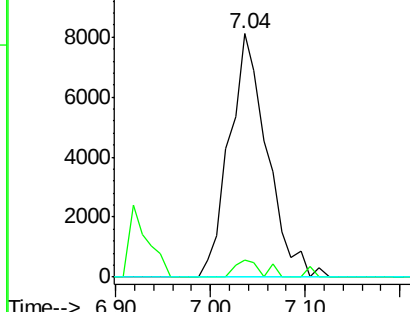
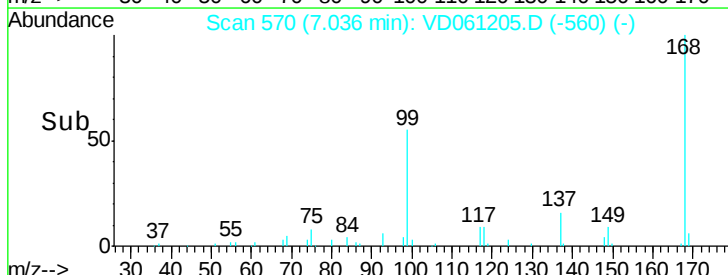
75 100

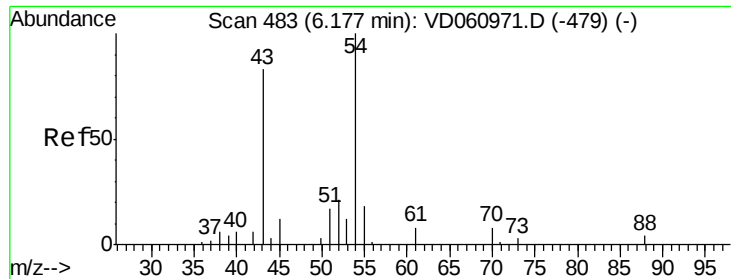
110 7.0 19.7 59.1#

77 0.0 24.7 37.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

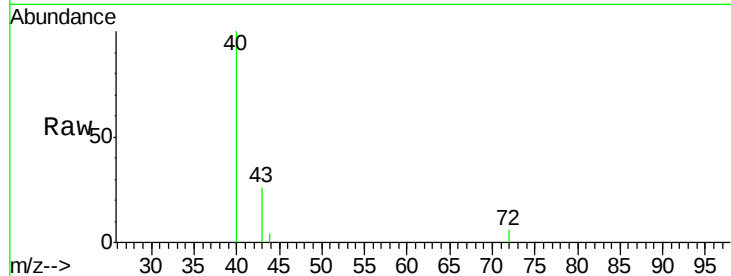




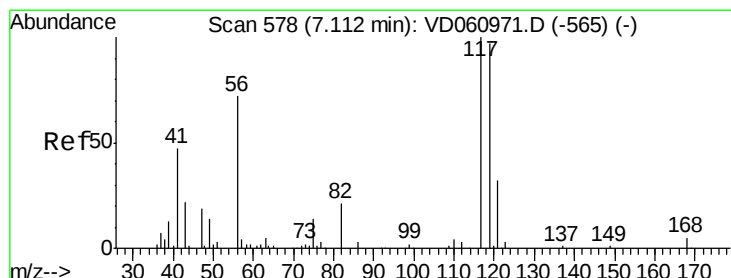
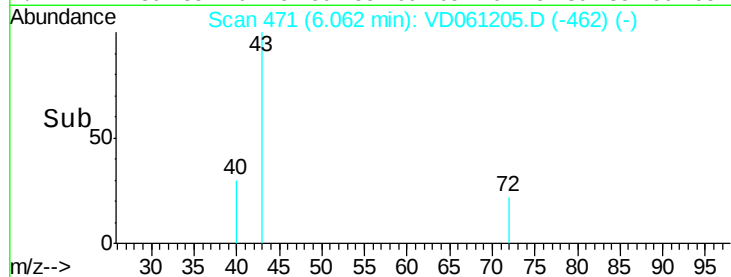
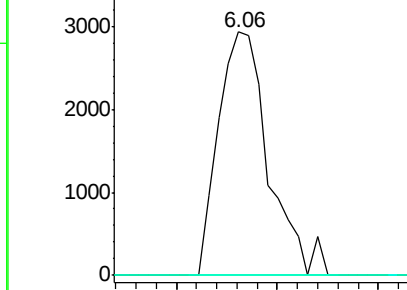
#37
Ethyl Acetate
Concen: 4.296 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.11 min
Lab File: VD061205.D
Acq: 20 Mar 2019 13:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 10135
Ion Ratio Lower Upper
43 100
61 0.0 13.7 20.5#
70 0.0 7.1 10.7#

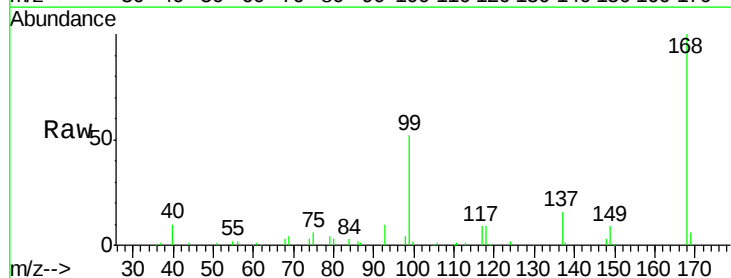


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

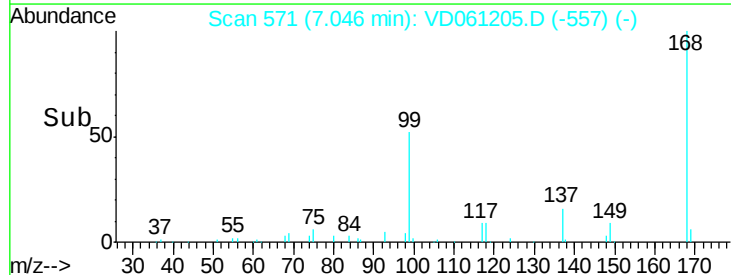
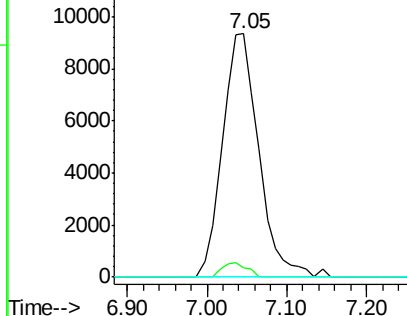


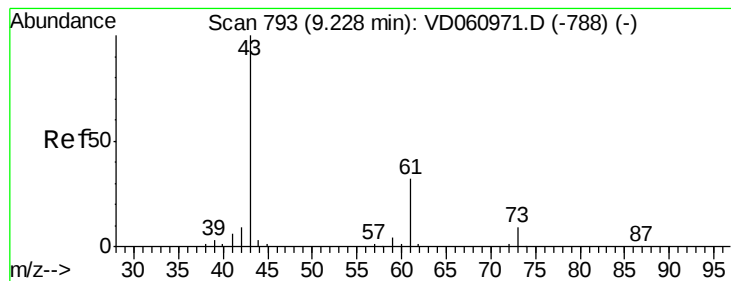
#38
Carbon Tetrachloride
Concen: 5.381 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD061205.D
Acq: 20 Mar 2019 13:54

Tgt Ion: 117 Resp: 29801
Ion Ratio Lower Upper
117 100
119 4.0 77.8 116.8#
121 0.0 25.3 37.9#



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





#43

Isopropyl Acetate

Concen: 1.228 ug/l

RT: 9.55 min Scan# 825

Delta R.T. 0.32 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

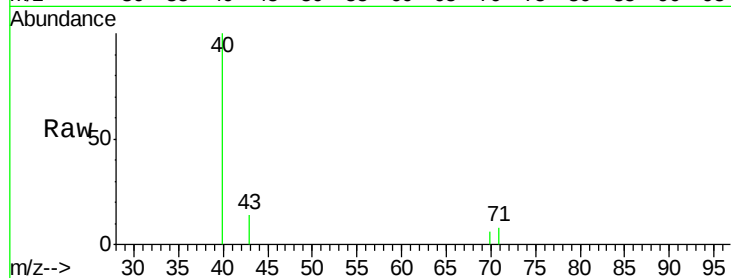
Tot Ion: 43 Resp: 4013

Ion Ratio Lower Upper

43 100

61 0.0 25.6 38.4#

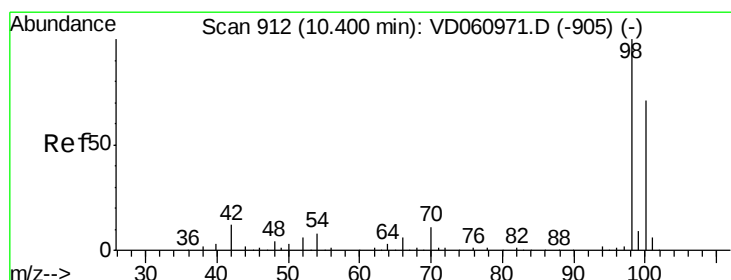
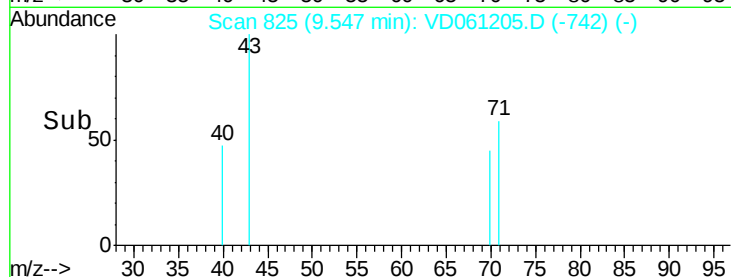
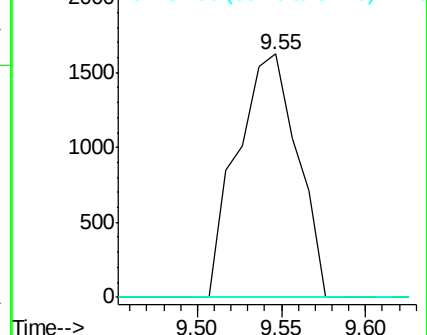
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061205.D

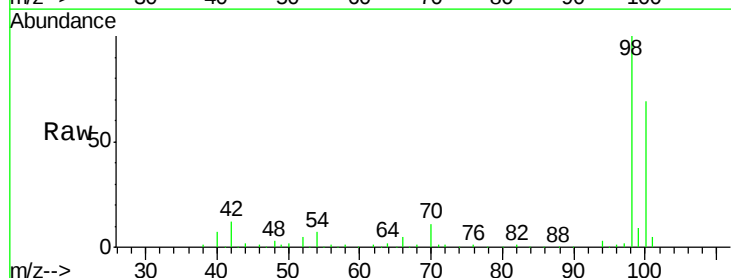
Acq: 20 Mar 2019 13:54

Tgt Ion: 98 Resp: 583130

Ion Ratio Lower Upper

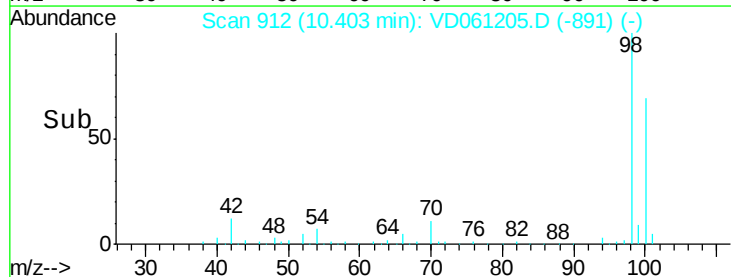
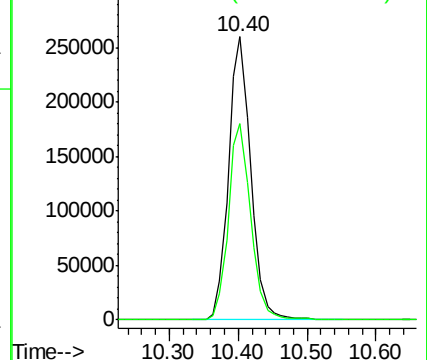
98 100

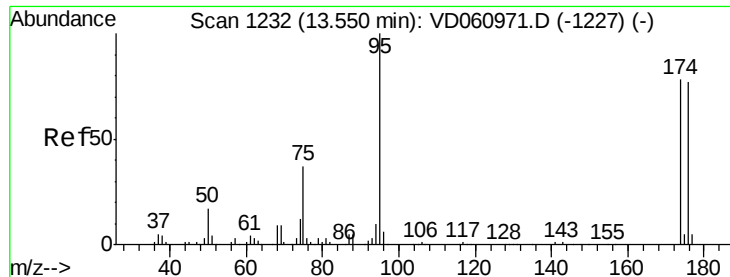
100 69.2 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

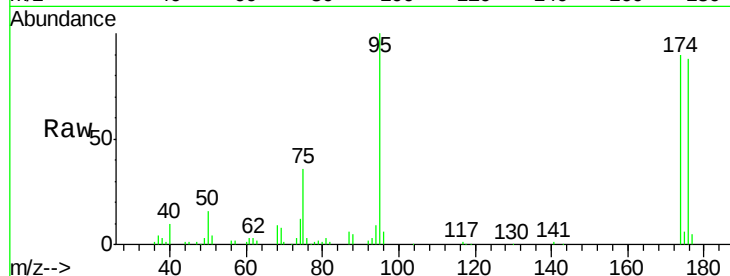
Tot Ion: 95 Resp: 144430

Ion Ratio Lower Upper

95 100

174 89.9 0.0 155.6

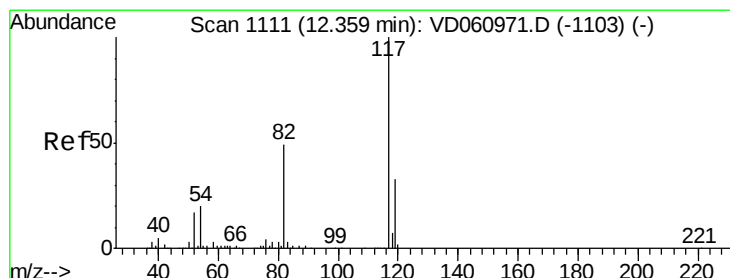
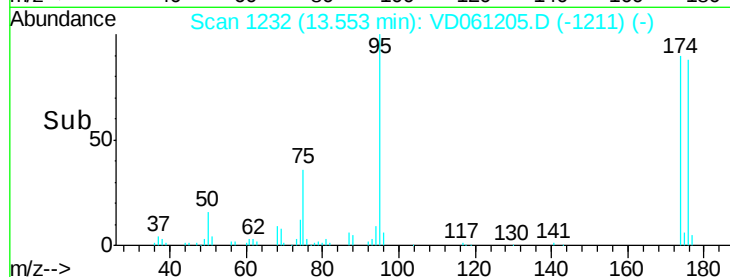
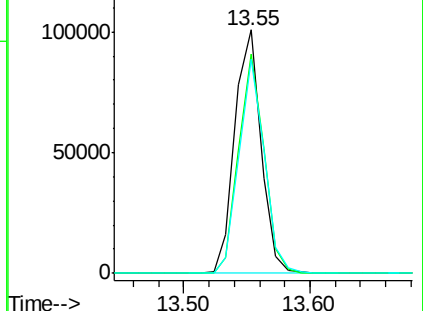
176 88.2 0.0 153.8



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: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

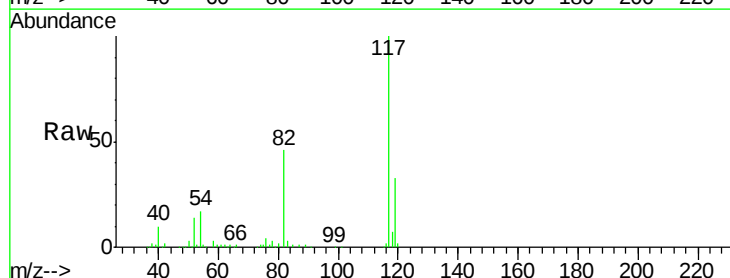
Tgt Ion: 117 Resp: 375074

Ion Ratio Lower Upper

117 100

82 45.7 38.9 58.3

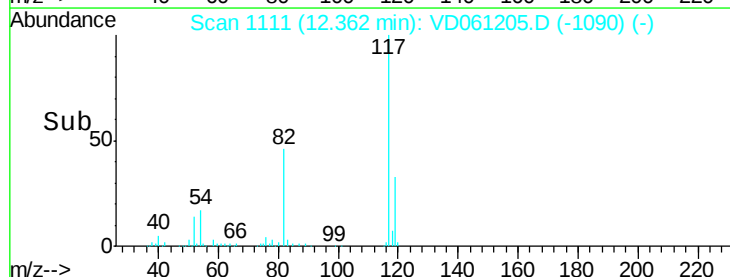
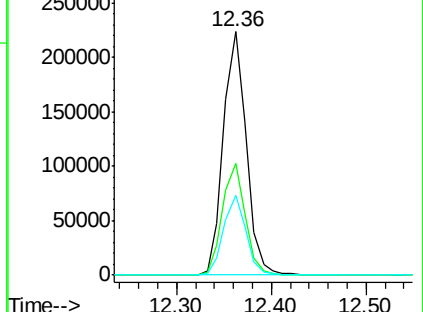
119 32.9 26.6 39.8

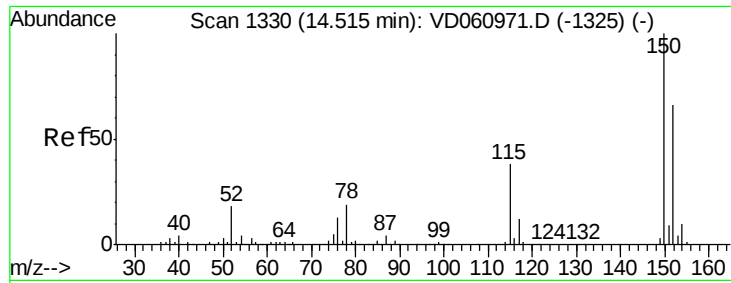


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

Instrument :

MSVOA_D

ClientSampleId :

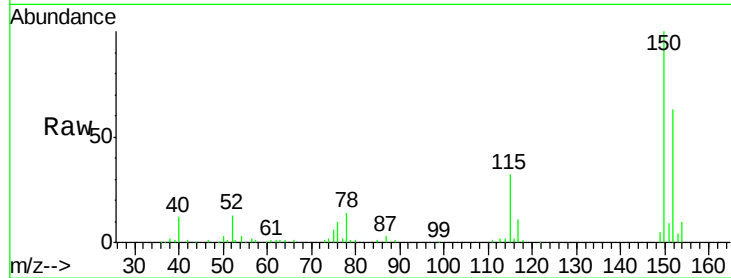
Tot Ion:152 Resp: 96265

Ion Ratio Lower Upper

152 100

115 50.7 28.6 85.9

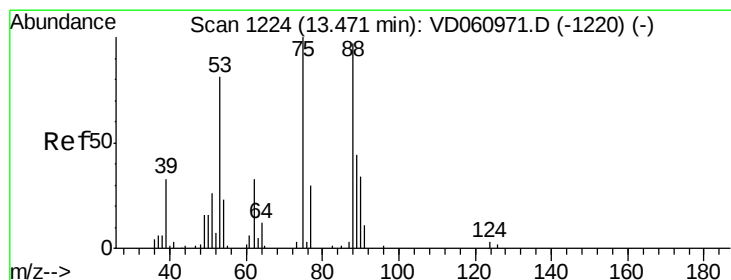
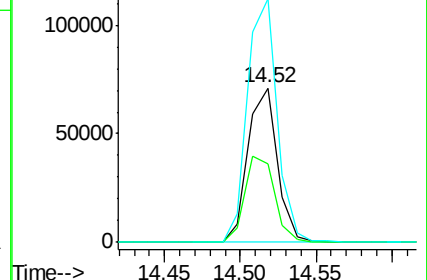
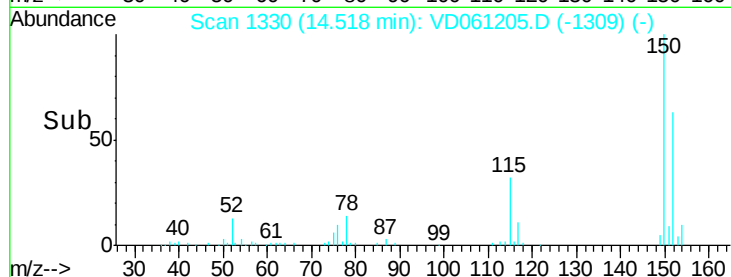
150 157.8 0.0 310.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 128.838 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061205.D

Acq: 20 Mar 2019 13:54

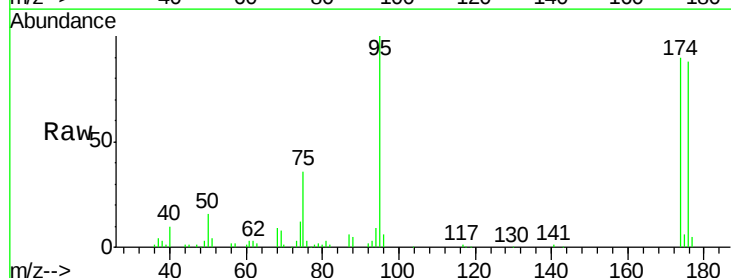
Tgt Ion: 75 Resp: 52606

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

