

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061147.D
 Acq On : 18 Mar 2019 16:05
 Operator : VA/AP
 Sample : K1935-02
 Misc : 4.04g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:16:47 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	7.04	168	289671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	439158	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	282953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	59693	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	157664	65.39	ug/l	0.00
Spiked Amount			Recovery	=	130.78%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount			Recovery	=	0.00%	
50) Toluene-d8	10.40	98	423451	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	13.55	95	85384	26.89	ug/l	0.00
Spiked Amount			Recovery	=	53.78%	

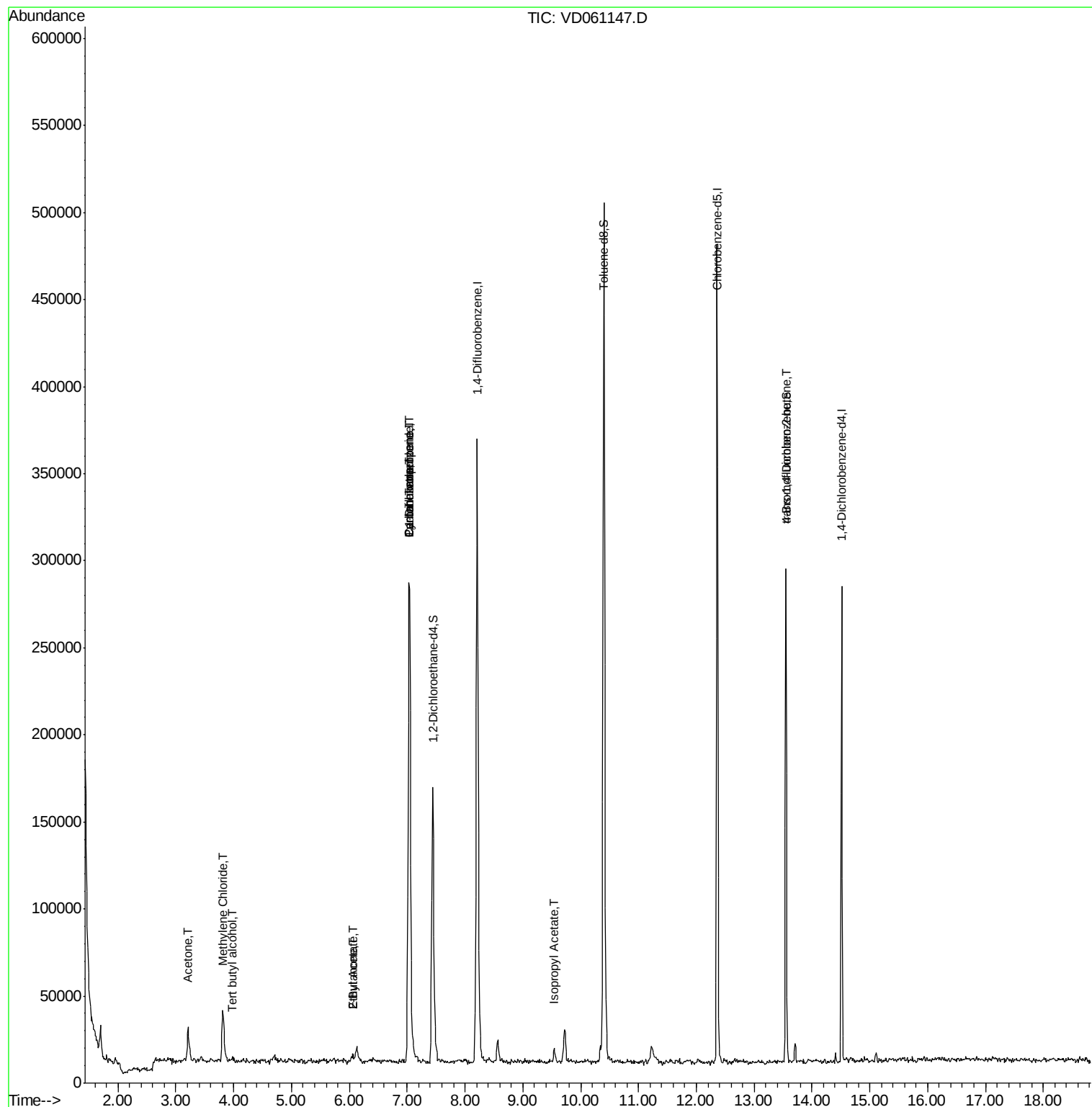
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.11	94	187	Below Cal	#	8
11) Tert butyl alcohol	3.99	59	1608	10.476	ug/l #	75
16) Acetone	3.21	43	34505	50.044	ug/l	92
20) Methylene Chloride	3.81	84	21913	2.544	ug/l	94
25) 2-Butanone	6.06	43	9049	11.566	ug/l	100
31) Cyclohexane	7.03	56	4637	1.087	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	21088	5.571	ug/l #	47
37) Ethyl Acetate	6.06	43	9049	5.094	ug/l #	66
38) Carbon Tetrachloride	7.03	117	27728	6.650	ug/l #	15
43) Isopropyl Acetate	9.54	43	5431	2.207	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.55	75	31839	125.752	ug/l #	17

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

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Quant Time: Mar 19 02:16:47 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: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061147.D

Acq: 18 Mar 2019 16:05

Instrument :

MSVOA_D

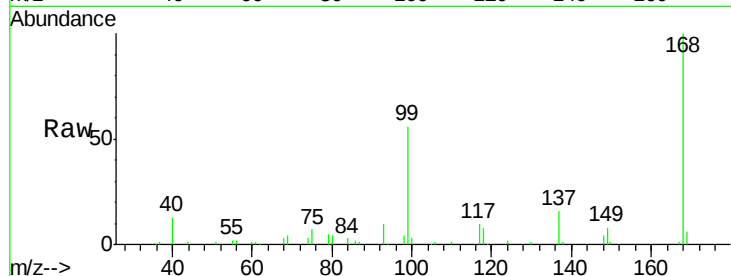
ClientSampleId :

Tot Ion:168 Resp: 289671

Ion Ratio Lower Upper

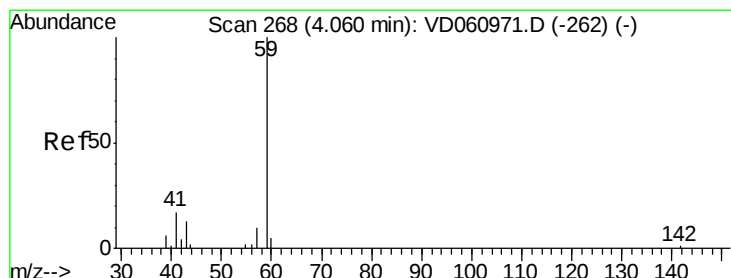
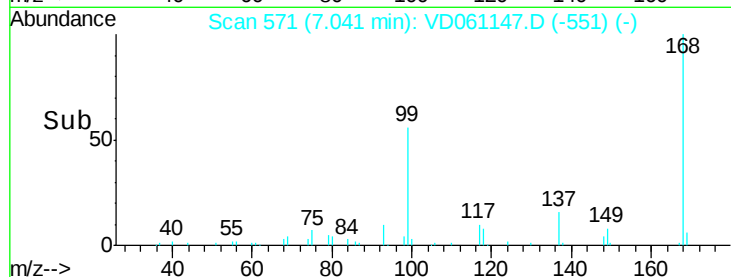
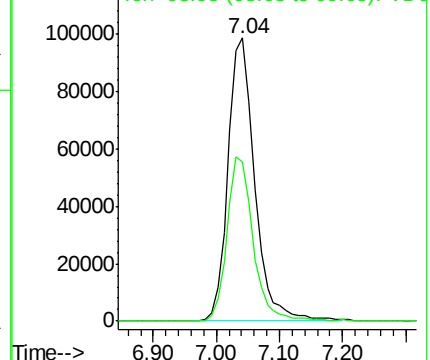
168 100

99 56.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 10.476 ug/l

RT: 3.99 min Scan# 261

Delta R.T. -0.07 min

Lab File: VD061147.D

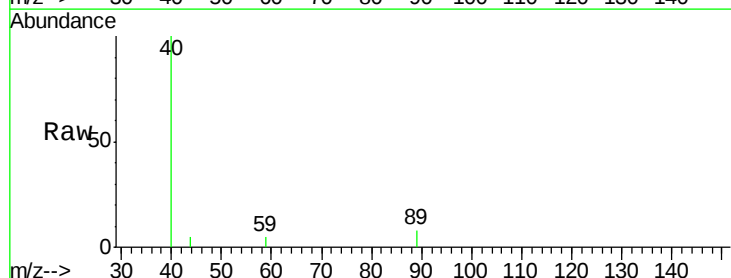
Acq: 18 Mar 2019 16:05

Tgt Ion: 59 Resp: 1608

Ion Ratio Lower Upper

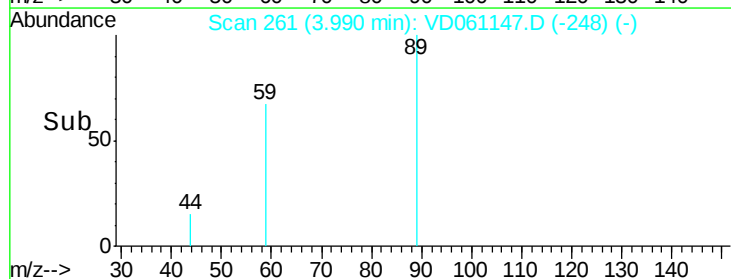
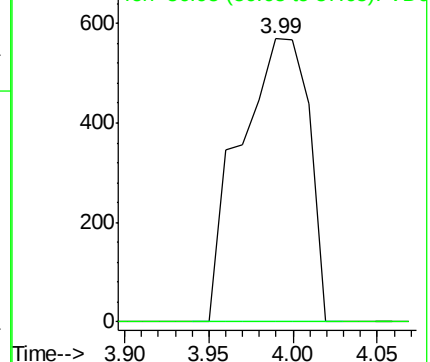
59 100

57 0.0 7.1 10.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 50.044 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061147.D

Acq: 18 Mar 2019 16:05

Instrument :

MSVOA_D

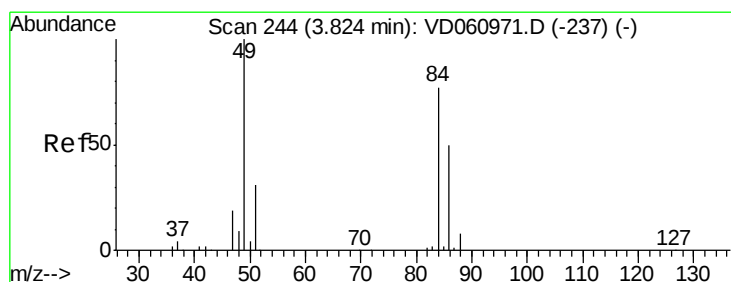
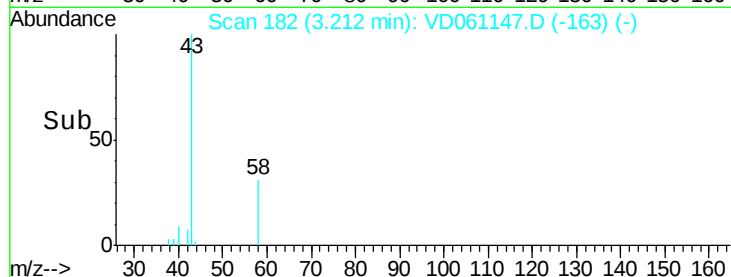
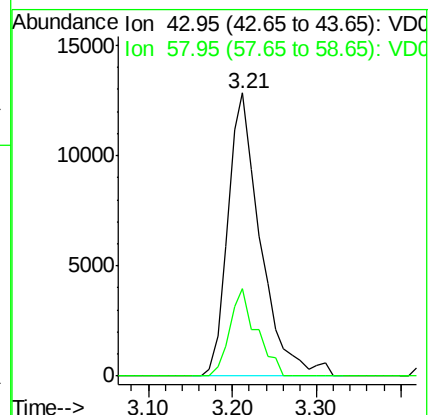
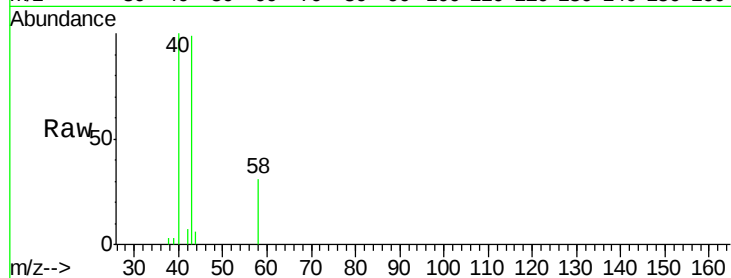
ClientSampled :

Tot Ion: 43 Resp: 34505

Ion Ratio Lower Upper

43 100

58 31.1 21.6 32.4



#20

Methylene Chloride

Concen: 2.544 ug/l

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD061147.D

Acq: 18 Mar 2019 16:05

Tgt Ion: 84 Resp: 21913

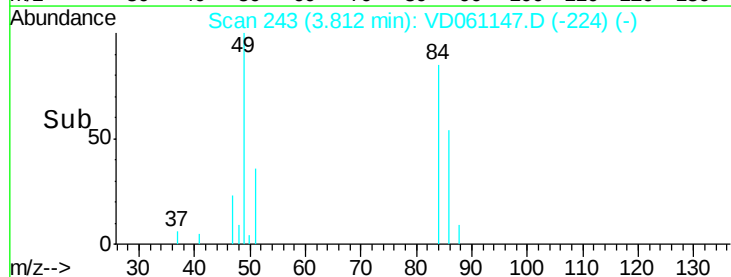
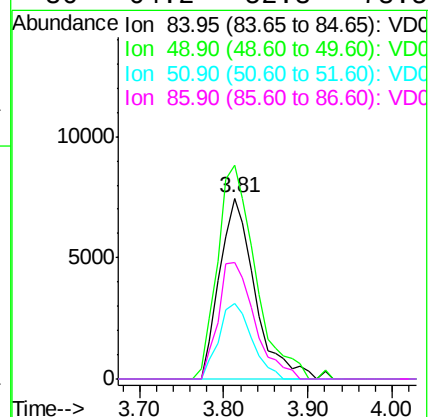
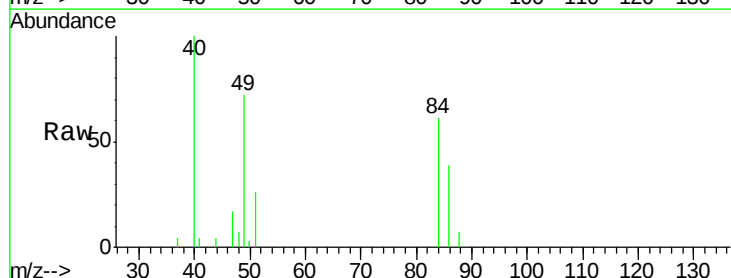
Ion Ratio Lower Upper

84 100

49 118.3 104.2 156.2

51 42.1 32.3 48.5

86 64.2 52.3 78.5





#25

2-Butanone

Concen: 11.566 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061147.D

Acq: 18 Mar 2019 16:05

Instrument :

MSVOA_D

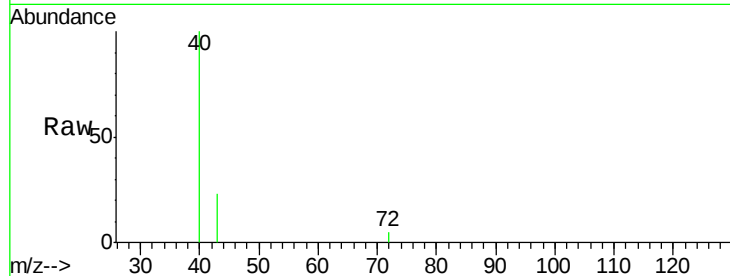
ClientSampleId :

Tot Ion: 43 Resp: 9049

Ion Ratio Lower Upper

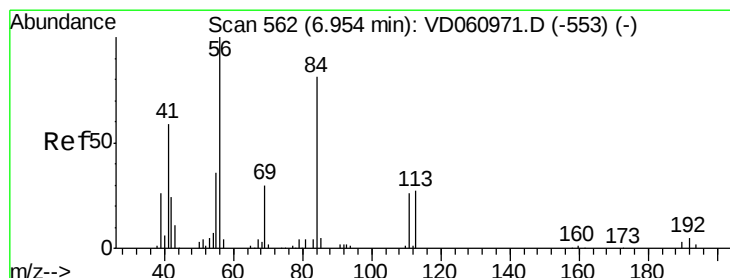
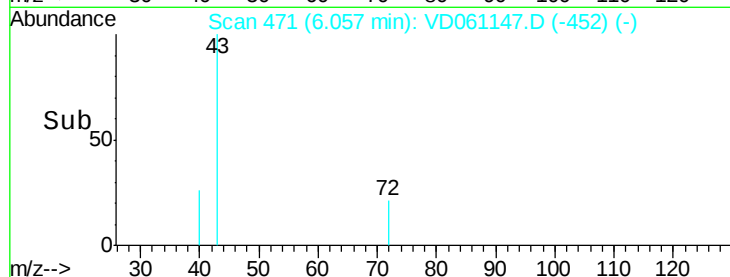
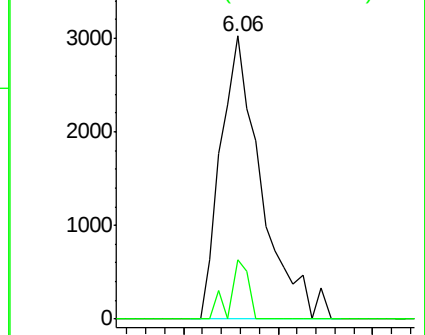
43 100

72 21.1 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: 1.087 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.08 min

Lab File: VD061147.D

Acq: 18 Mar 2019 16:05

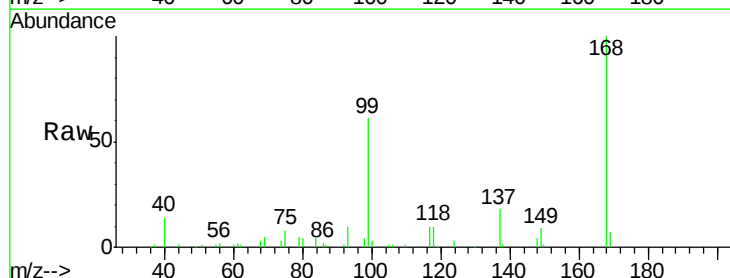
Tgt Ion: 56 Resp: 4637

Ion Ratio Lower Upper

56 100

69 256.5 24.0 36.0#

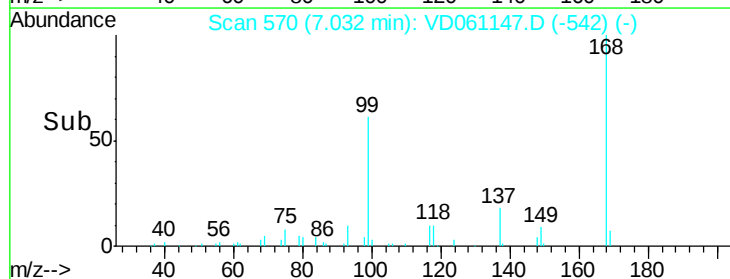
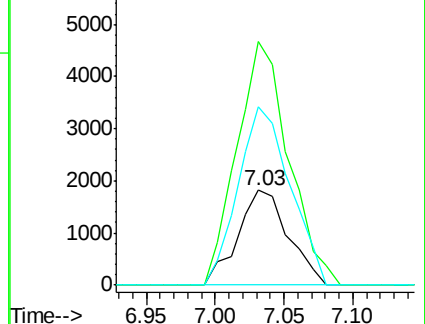
84 188.1 65.8 98.6#

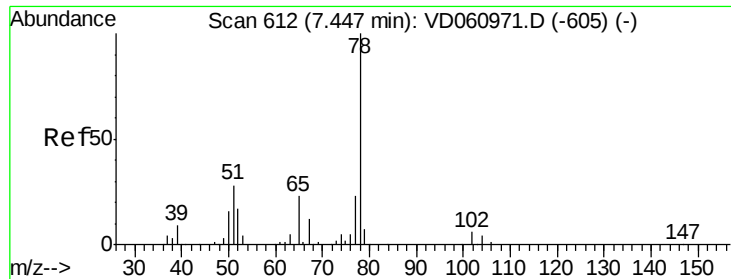


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: VD061147.D

Acq: 18 Mar 2019 16:05

Instrument :

MSVOA_D

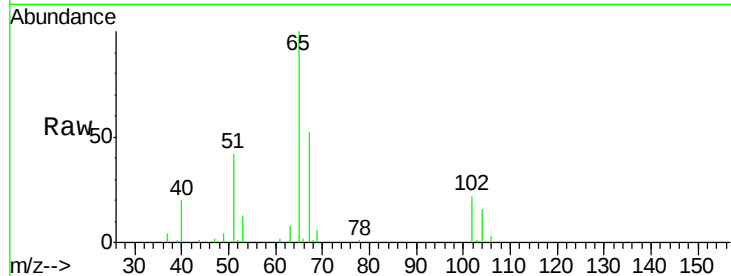
ClientSampleId :

Tot Ion: 65 Resp: 157664

Ion Ratio Lower Upper

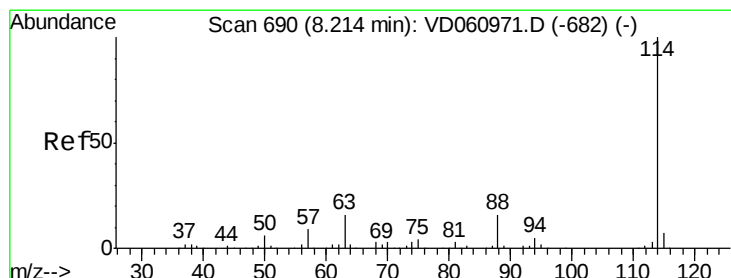
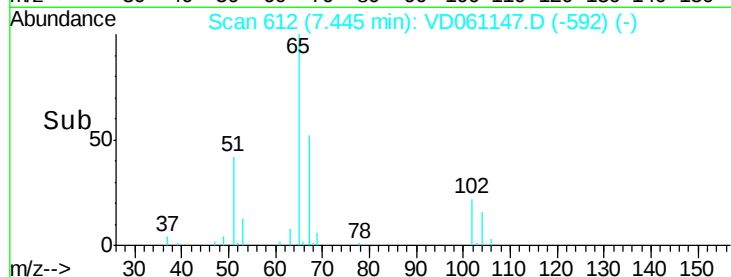
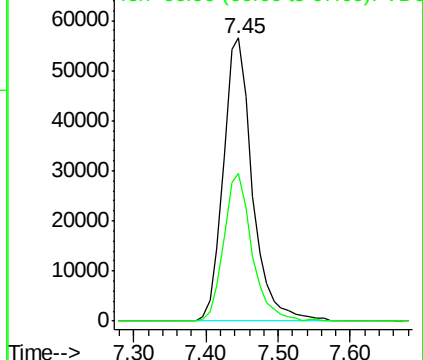
65 100

67 52.0 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: VD061147.D

Acq: 18 Mar 2019 16:05

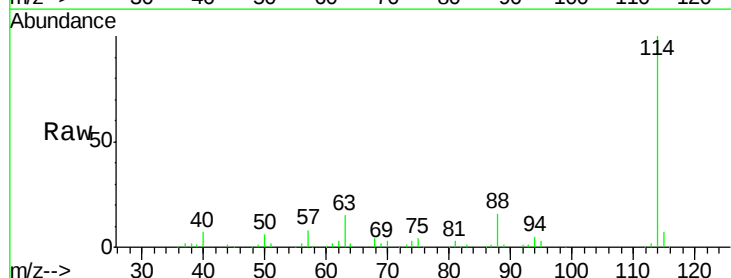
Tgt Ion: 114 Resp: 439158

Ion Ratio Lower Upper

114 100

63 14.8 0.0 31.4

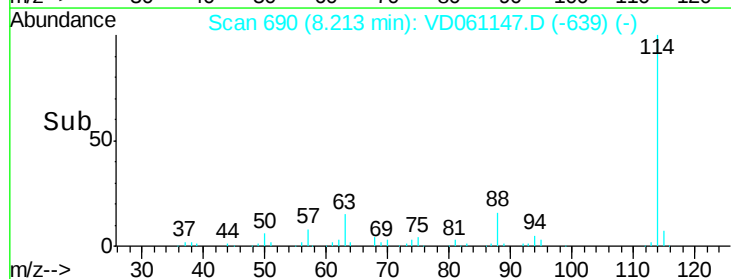
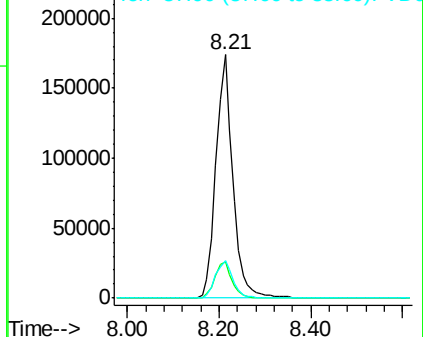
88 15.7 0.0 33.0

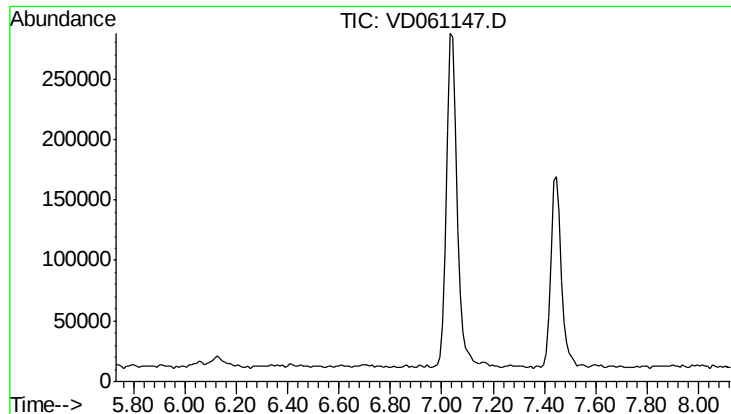


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





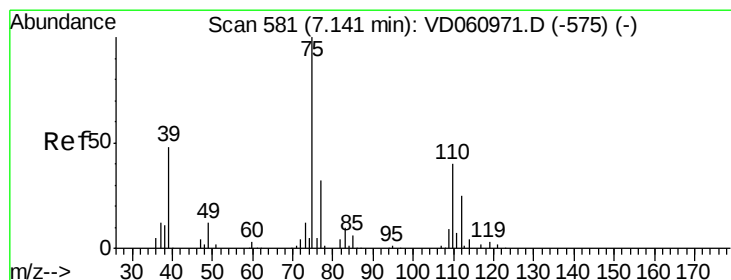
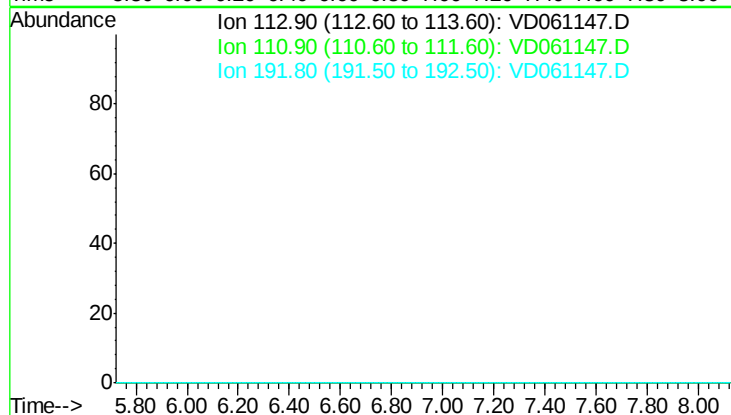
#35

Dibromofluoromethane
Concen: 50.000 ug/l
Expected RT: 6.92 min

Lab File: VD061147.D
Acq: 18 Mar 2019 16:05

Tot Ion: 113
Sig Exp Ratio
113 100
111 105.3
192 16.4

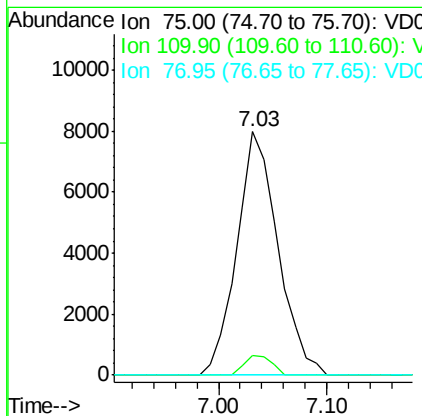
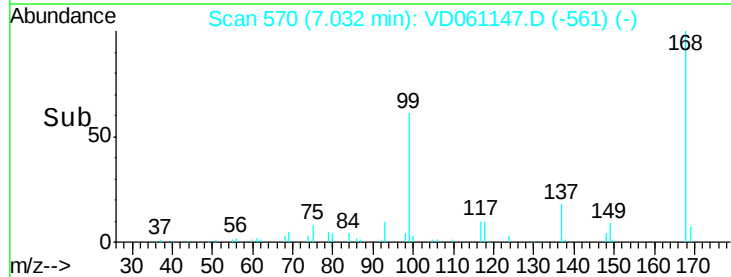
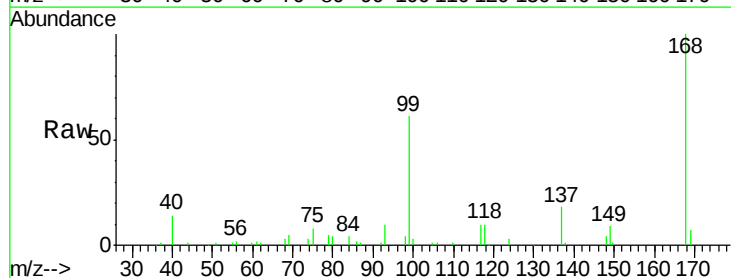
Instrument :
MSVOA_D
ClientSampleId :

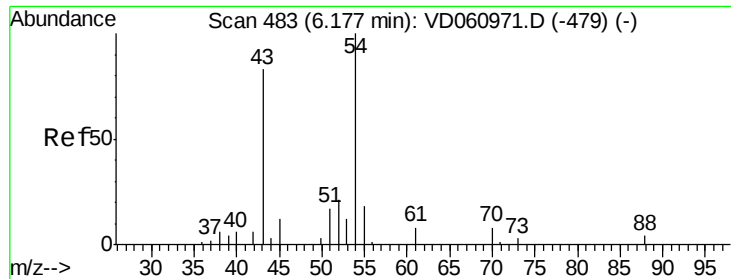


#36

1,1-Dichloropropene
Concen: 5.571 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.11 min
Lab File: VD061147.D
Acq: 18 Mar 2019 16:05

Tgt Ion: 75 Resp: 21088
Ion Ratio Lower Upper
75 100
110 8.1 19.7 59.1#
77 0.0 24.7 37.1#

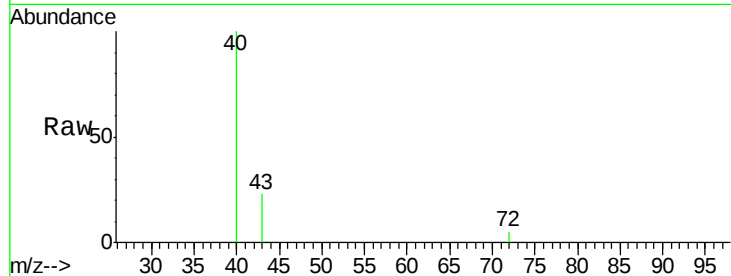




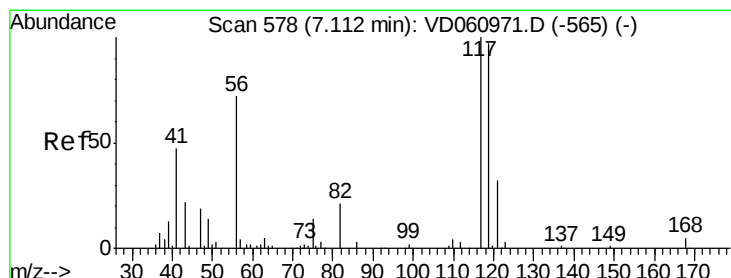
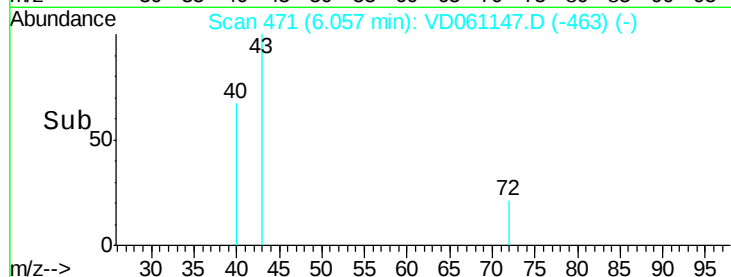
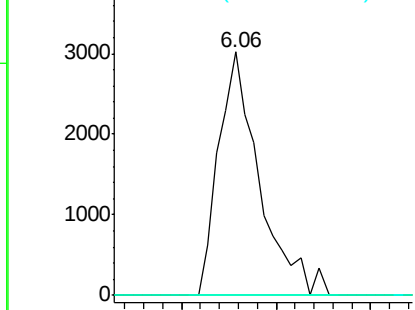
#37
Ethyl Acetate
Concen: 5.094 ug/l
RT: 6.06 min Scan# 471
Delta R.T. -0.12 min
Lab File: VD061147.D
Acq: 18 Mar 2019 16:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 9049
Ion Ratio Lower Upper
43 100
61 0.0 13.7 20.5#
70 0.0 7.1 10.7#

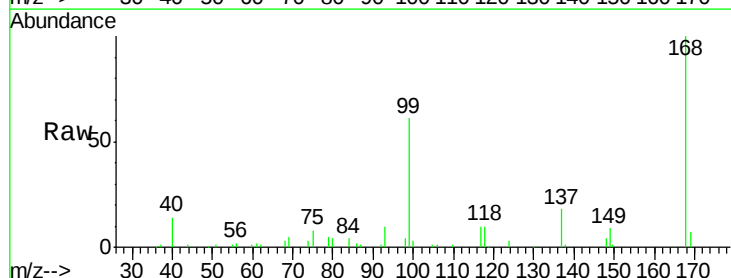


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

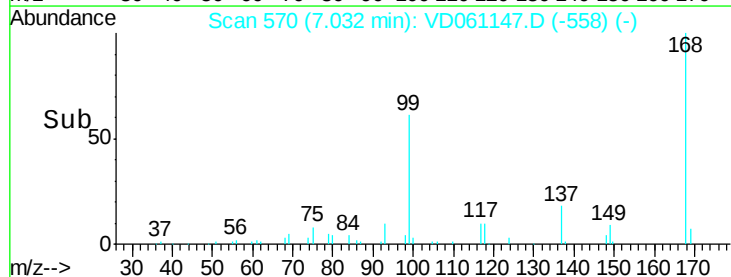
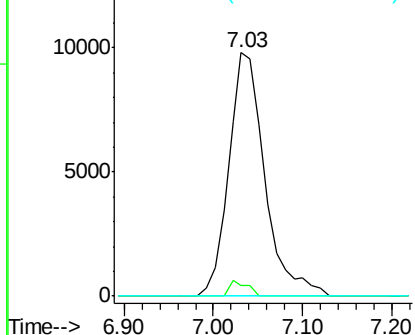


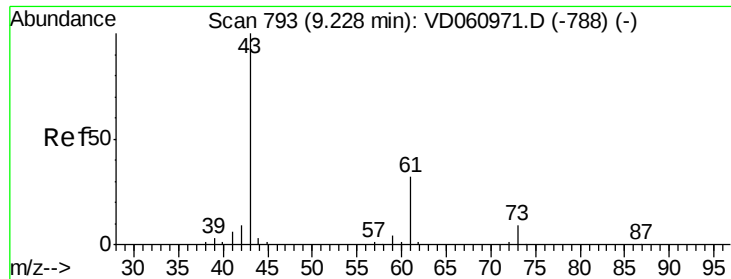
#38
Carbon Tetrachloride
Concen: 6.650 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.08 min
Lab File: VD061147.D
Acq: 18 Mar 2019 16:05

Tgt Ion: 117 Resp: 27728
Ion Ratio Lower Upper
117 100
119 4.4 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: 2.207 ug/l

RT: 9.54 min Scan# 825

Delta R.T. 0.31 min

Lab File: VD061147.D

Acq: 18 Mar 2019 16:05

Instrument :

MSVOA_D

ClientSampleId :

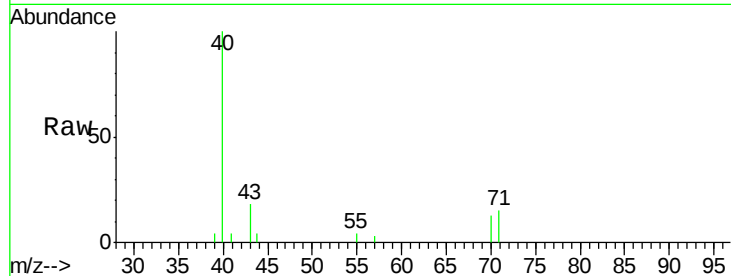
Tot Ion: 43 Resp: 5431

Ion Ratio Lower Upper

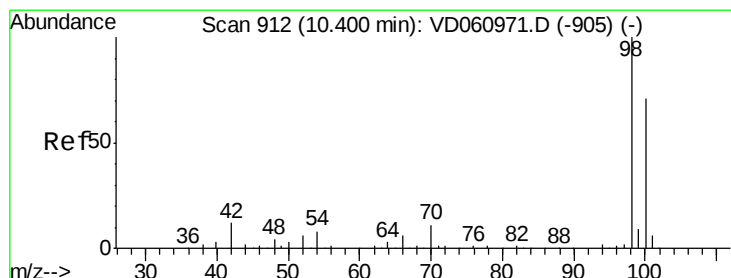
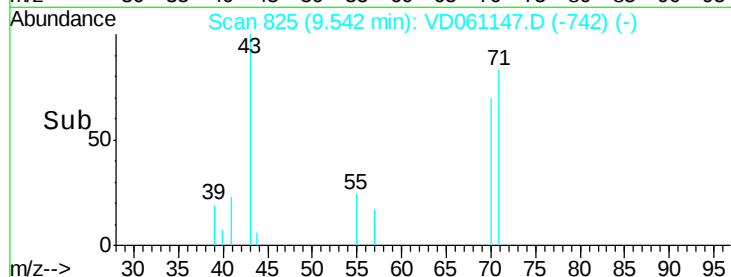
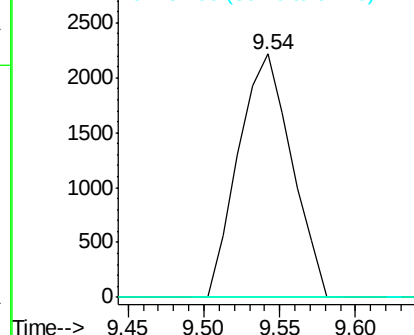
43 100

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: VD061147.D

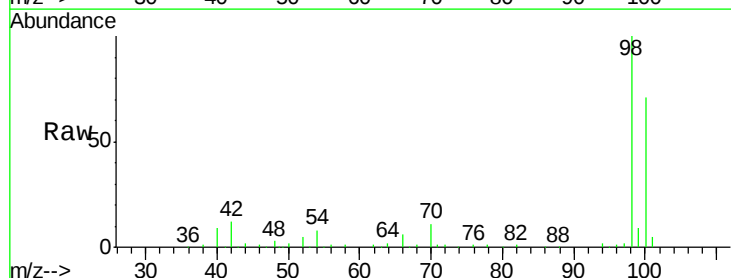
Acq: 18 Mar 2019 16:05

Tgt Ion: 98 Resp: 423451

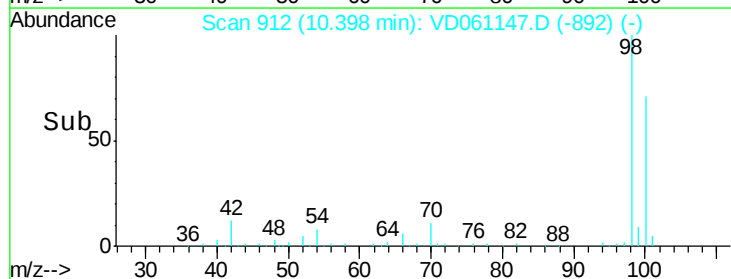
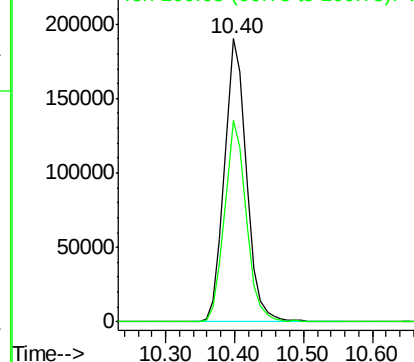
Ion Ratio Lower Upper

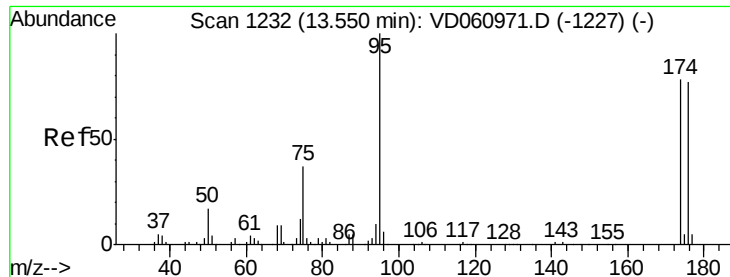
98 100

100 71.2 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: VD061147.D

Acq: 18 Mar 2019 16:05

Instrument :

MSVOA_D

ClientSampleId :

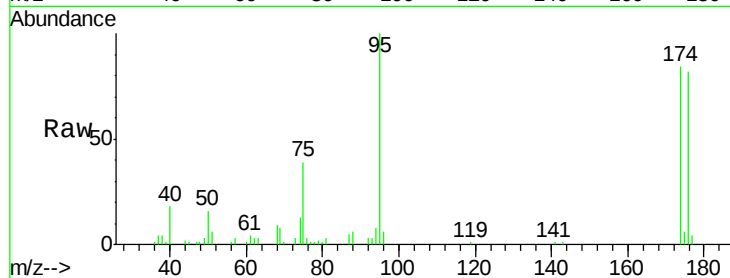
Tot Ion: 95 Resp: 85384

Ion Ratio Lower Upper

95 100

174 84.0 0.0 155.6

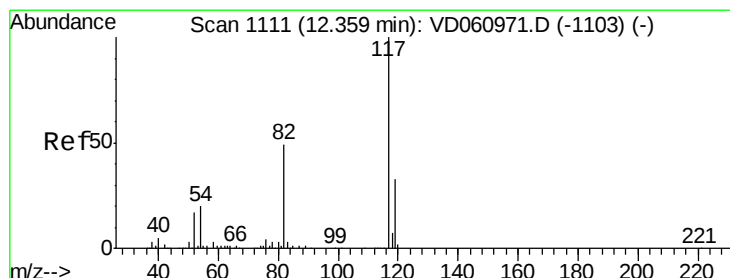
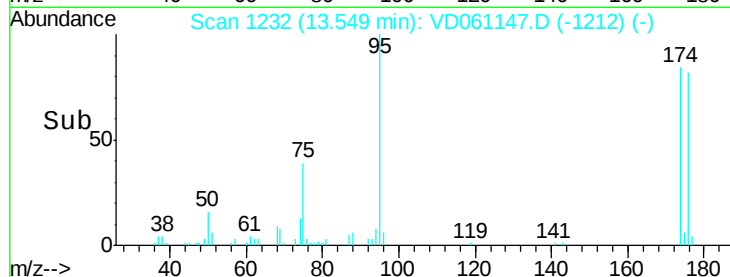
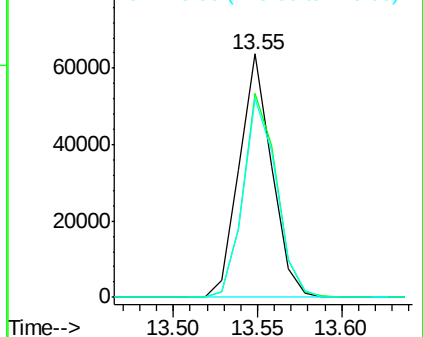
176 81.6 0.0 153.8



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: VD061147.D

Acq: 18 Mar 2019 16:05

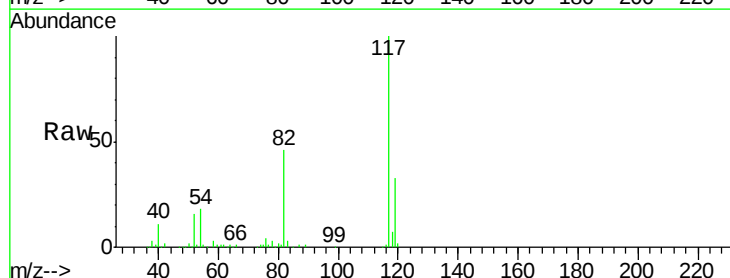
Tgt Ion: 117 Resp: 282953

Ion Ratio Lower Upper

117 100

82 45.6 38.9 58.3

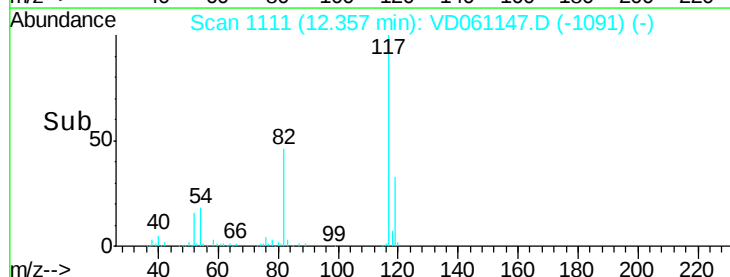
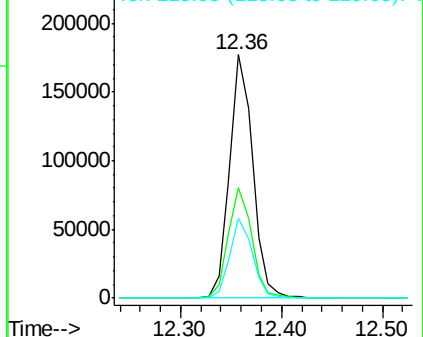
119 32.7 26.6 39.8

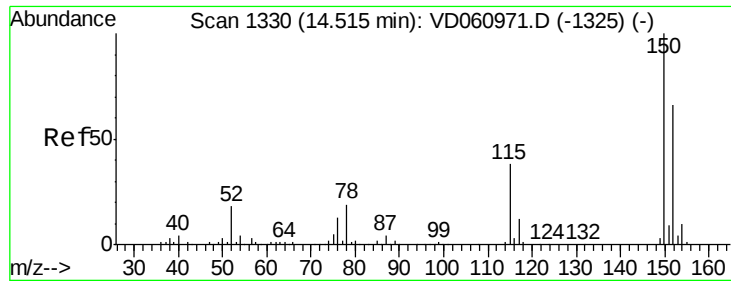


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD061147.D

Acq: 18 Mar 2019 16:05

Instrument :

MSVOA_D

ClientSampleId :

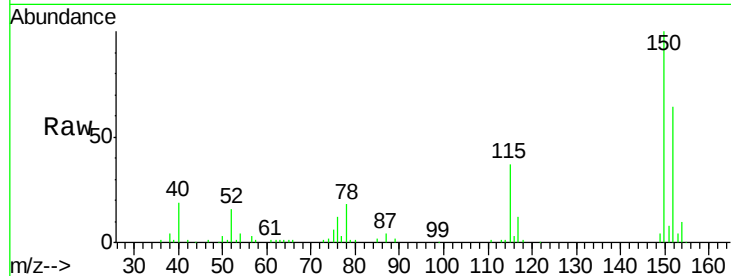
Tot Ion:152 Resp: 59693

Ion Ratio Lower Upper

152 100

115 56.7 28.6 85.9

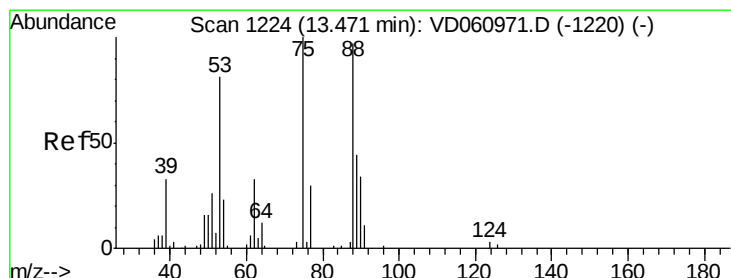
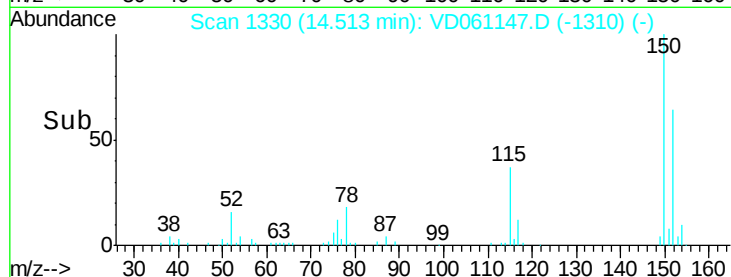
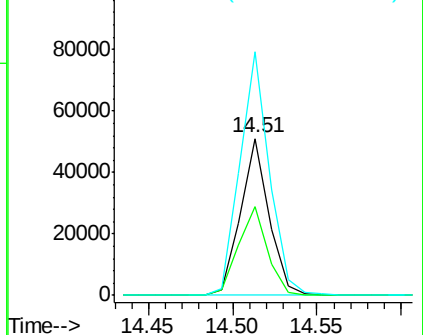
150 155.2 0.0 310.6



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: 125.752 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061147.D

Acq: 18 Mar 2019 16:05

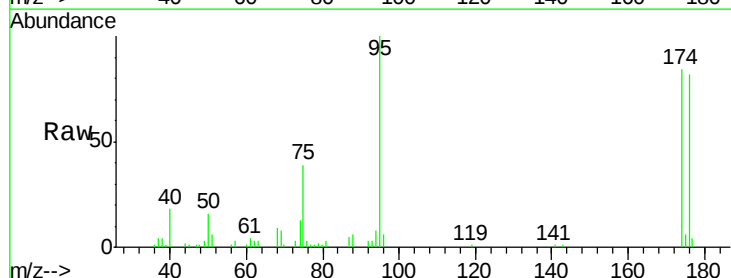
Tgt Ion: 75 Resp: 31839

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

