

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061218.D
 Acq On : 20 Mar 2019 19:53
 Operator : VA/AP
 Sample : K2004-04
 Misc : 3.63g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-19(13-14)

Quant Time: Mar 22 02:03:06 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	575671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	941348	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	623271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	176038	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	225761	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
35) Dibromofluoromethane	6.92	113	322982	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
50) Toluene-d8	10.40	98	674232	38.43	ug/l	0.00
Spiked Amount			Recovery	=	76.86%	
62) 4-Bromofluorobenzene	13.55	95	186587	27.41	ug/l	0.00
Spiked Amount			Recovery	=	54.82%	

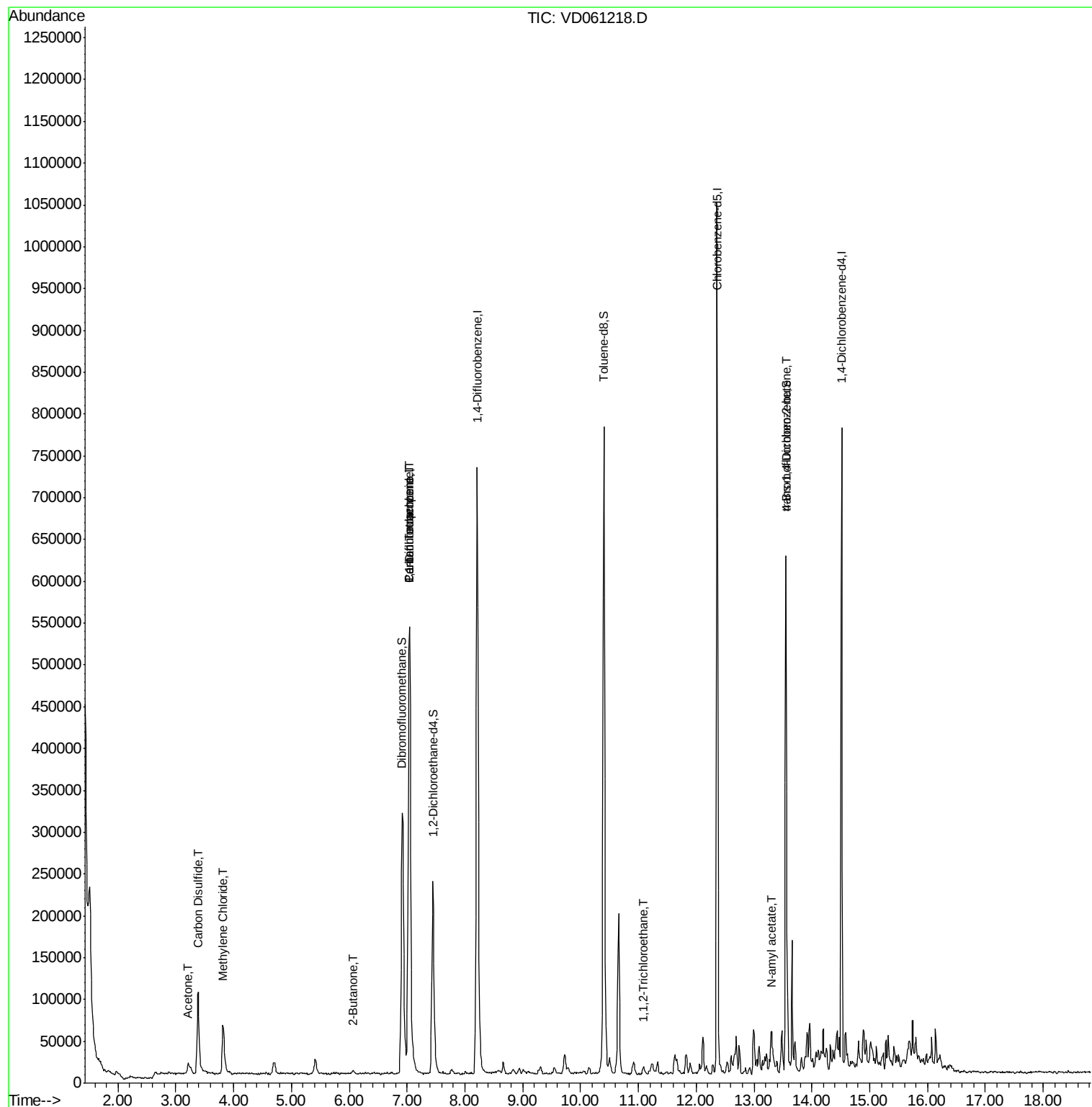
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	25061	18.289	ug/l	99
17) Carbon Disulfide	3.39	76	210836	10.816	ug/l	99
20) Methylene Chloride	3.81	84	46132	3.000	ug/l	93
25) 2-Butanone	6.06	43	6308	4.057	ug/l #	55
36) 1,1-Dichloropropene	7.04	75	41431	5.106	ug/l #	45
38) Carbon Tetrachloride	7.03	117	54237	6.068	ug/l #	15
55) 1,1,2-Trichloroethane	11.09	97	4625	1.102	ug/l #	15
74) N-amyl acetate	13.29	43	6597	1.847	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	67368	90.225	ug/l #	17

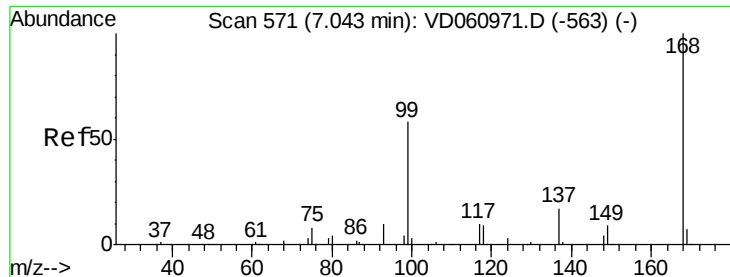
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
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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: VD061218.D

Acq: 20 Mar 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

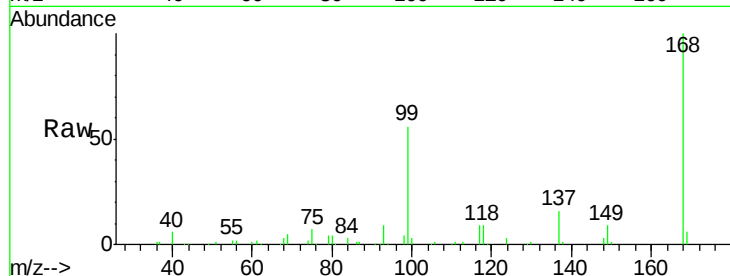
SB-19(13-14)

Tot Ion:168 Resp: 575671

Ion Ratio Lower Upper

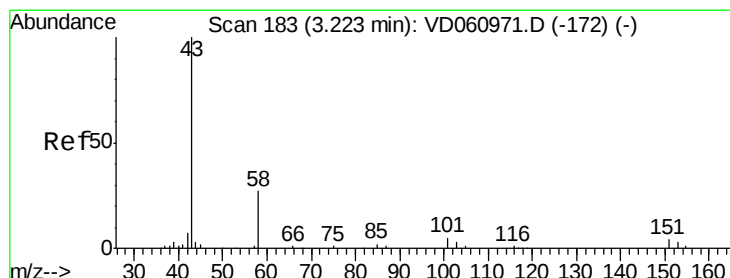
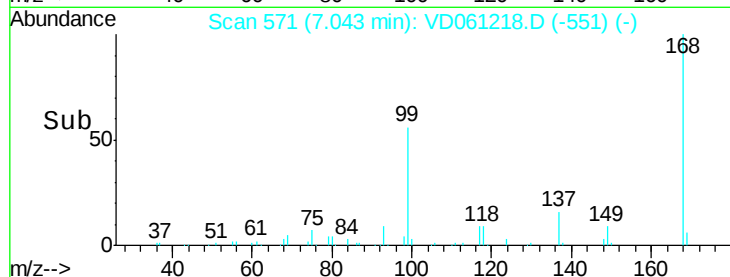
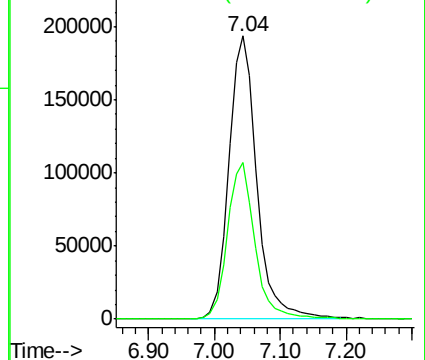
168 100

99 55.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 18.289 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061218.D

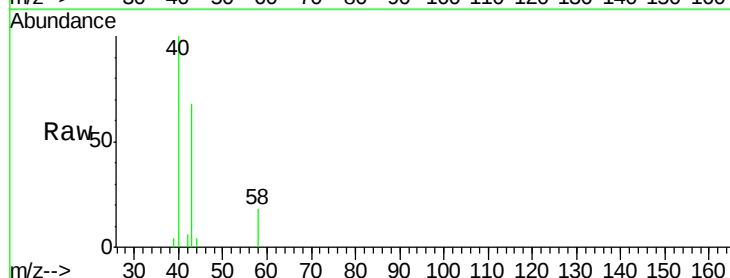
Acq: 20 Mar 2019 19:53

Tgt Ion: 43 Resp: 25061

Ion Ratio Lower Upper

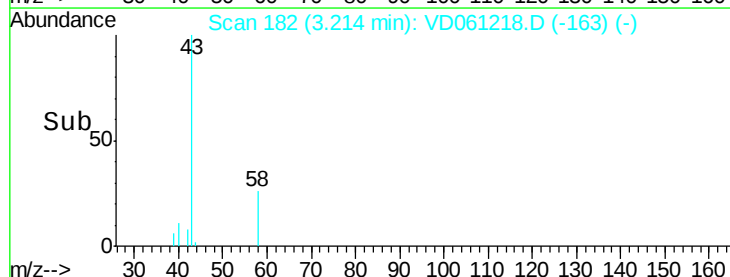
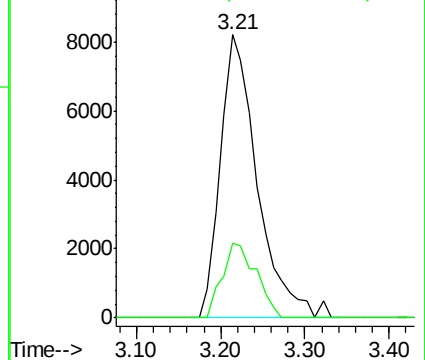
43 100

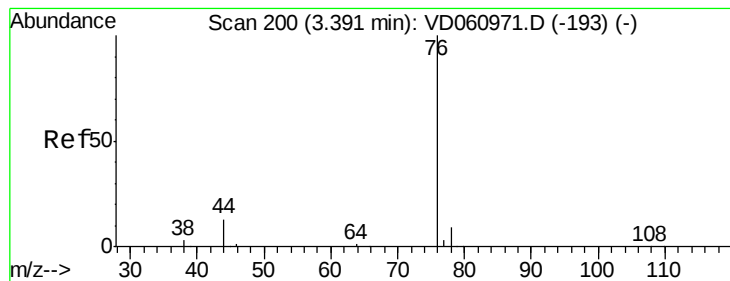
58 26.4 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 10.816 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.00 min

Lab File: VD061218.D

Acq: 20 Mar 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

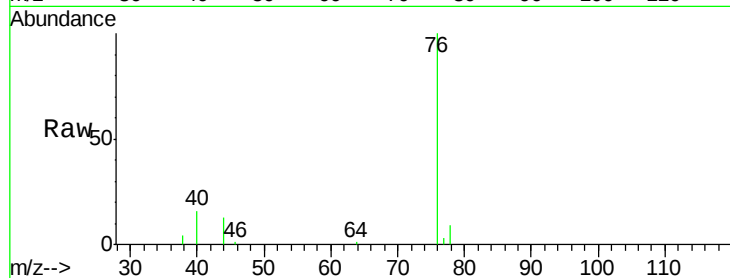
SB-19(13-14)

Tot Ion: 76 Resp: 210836

Ion Ratio Lower Upper

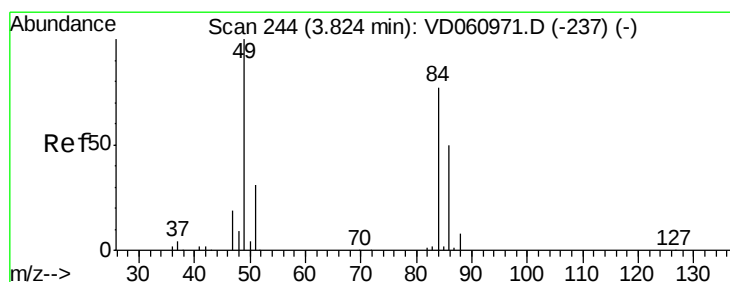
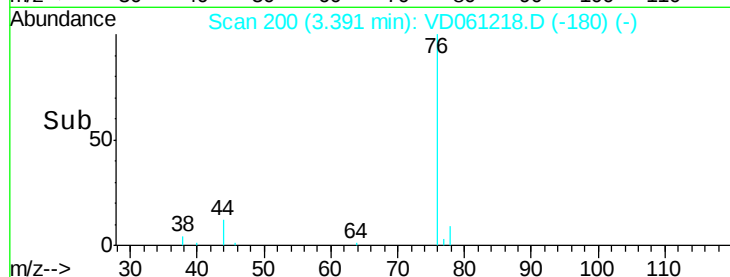
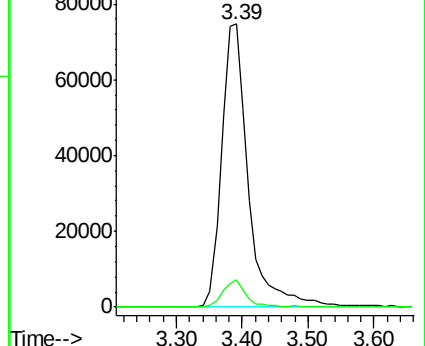
76 100

78 9.5 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 3.000 ug/l

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD061218.D

Acq: 20 Mar 2019 19:53

Tgt Ion: 84 Resp: 46132

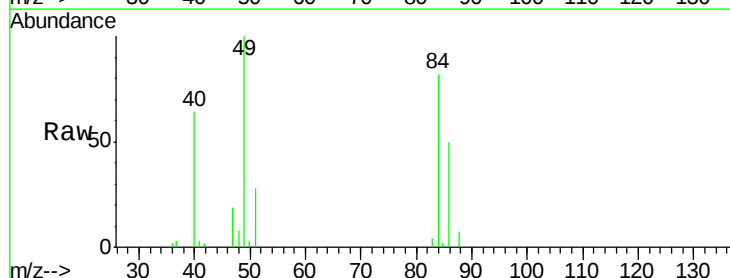
Ion Ratio Lower Upper

84 100

49 122.7 104.2 156.2

51 33.7 32.3 48.5

86 61.9 52.3 78.5

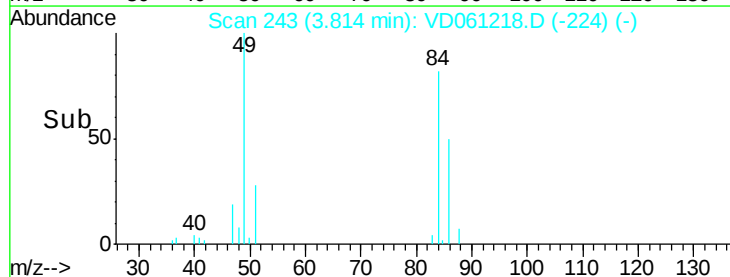
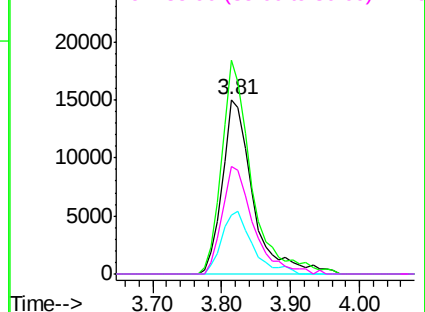


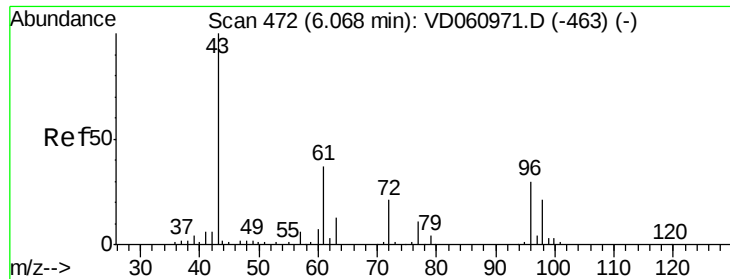
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 4.057 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061218.D

Acq: 20 Mar 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

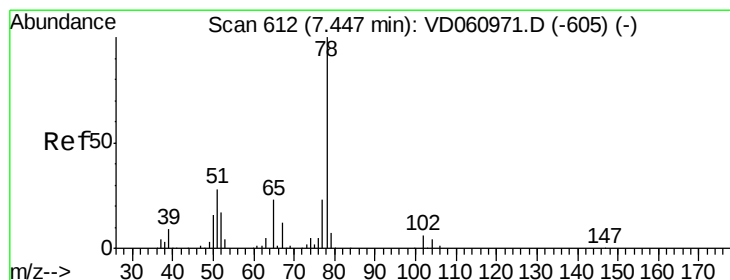
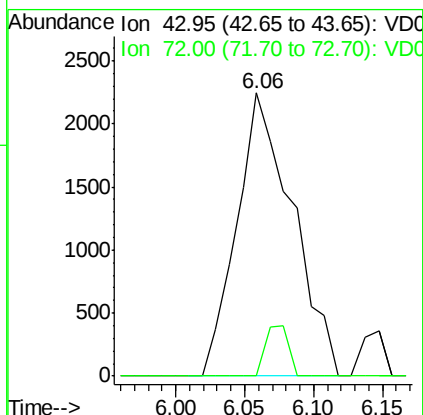
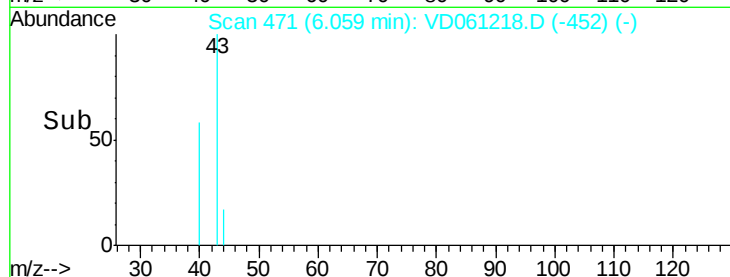
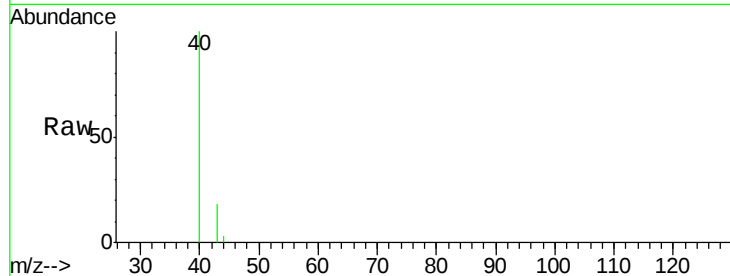
SB-19(13-14)

Tot Ion: 43 Resp: 6308

Ion Ratio Lower Upper

43 100

72 0.0 16.7 25.1#



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061218.D

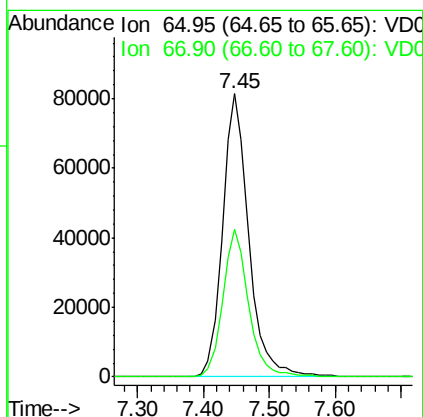
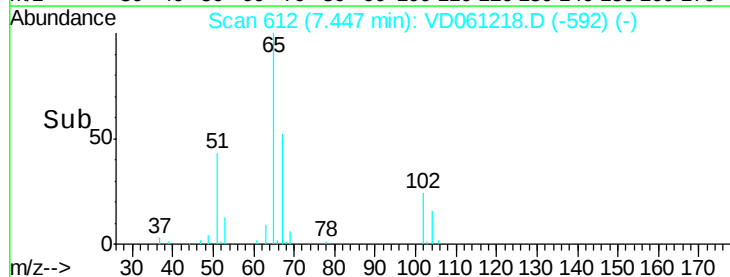
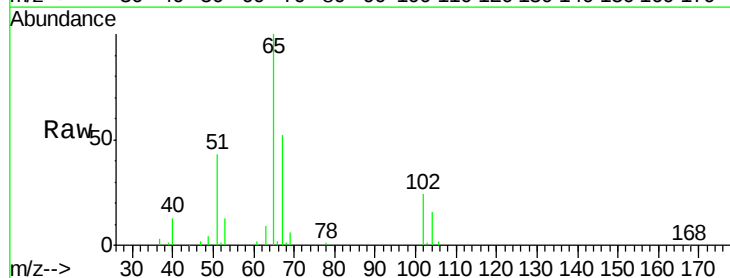
Acq: 20 Mar 2019 19:53

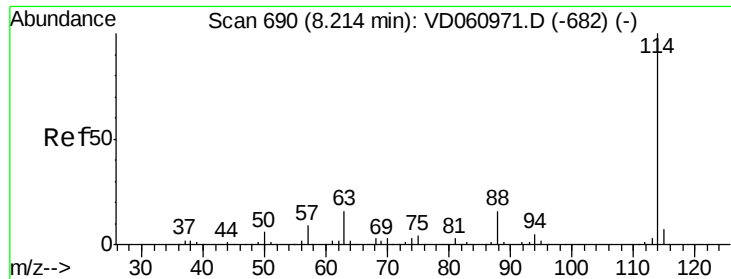
Tgt Ion: 65 Resp: 225761

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD061218.D

Acq: 20 Mar 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

SB-19(13-14)

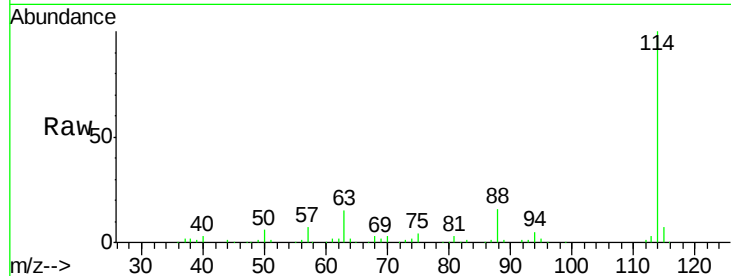
Tot Ion:114 Resp: 941348

Ion Ratio Lower Upper

114 100

63 15.3 0.0 31.4

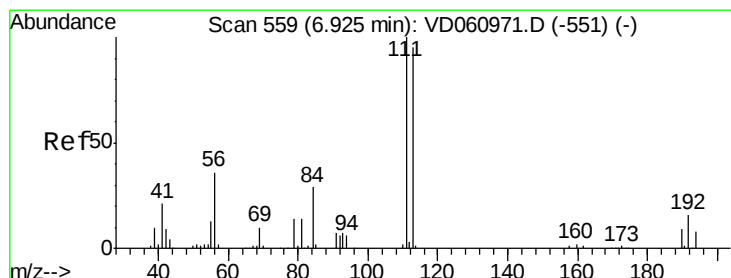
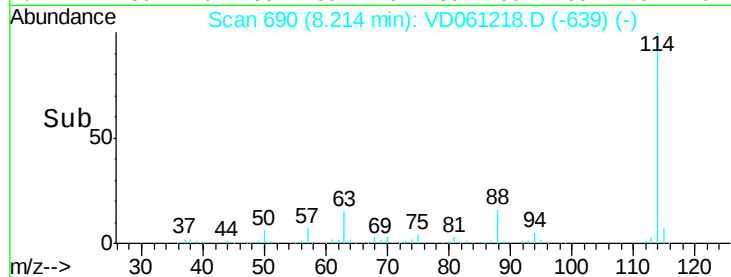
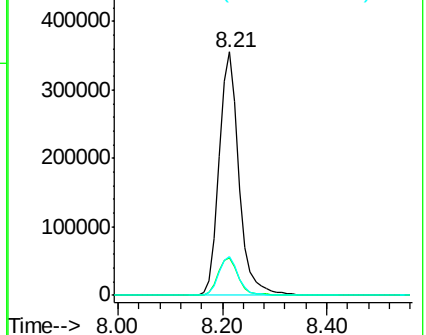
88 15.9 0.0 33.0



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: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061218.D

Acq: 20 Mar 2019 19:53

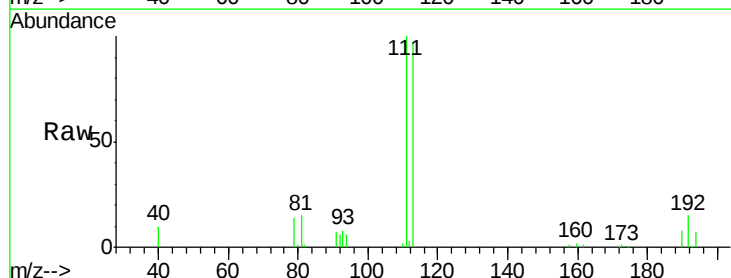
Tgt Ion:113 Resp: 322982

Ion Ratio Lower Upper

113 100

111 103.4 84.2 126.4

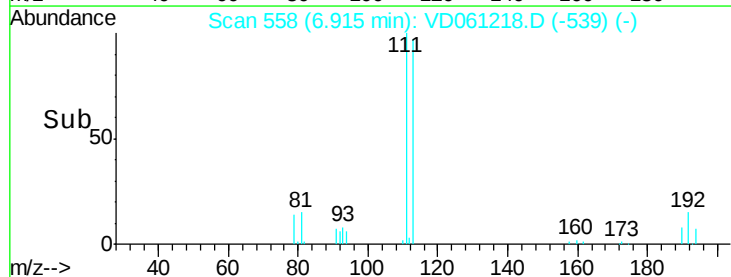
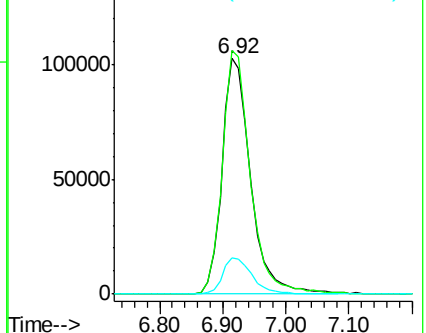
192 15.3 13.1 19.7

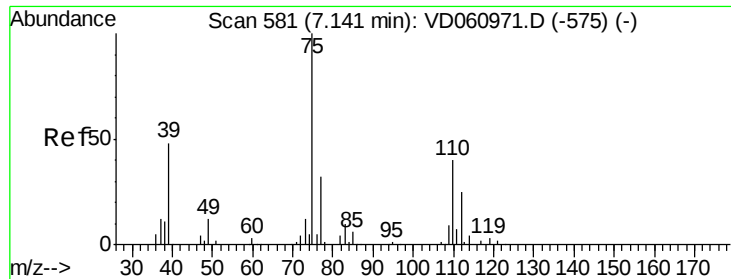


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

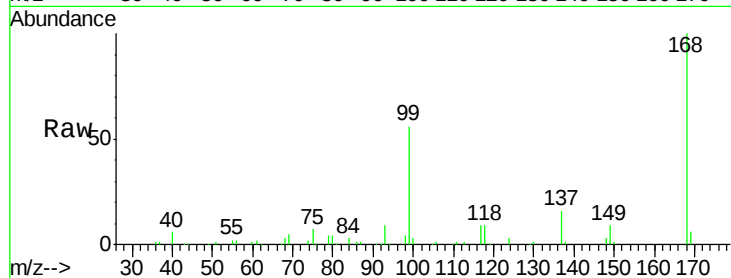




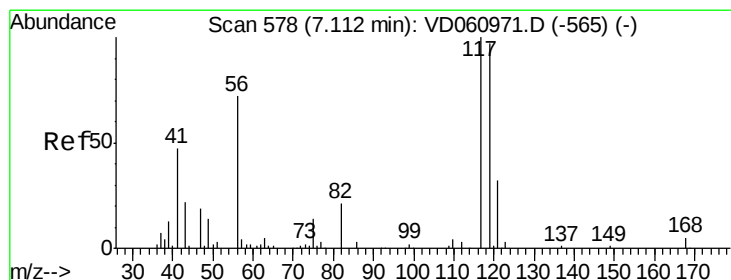
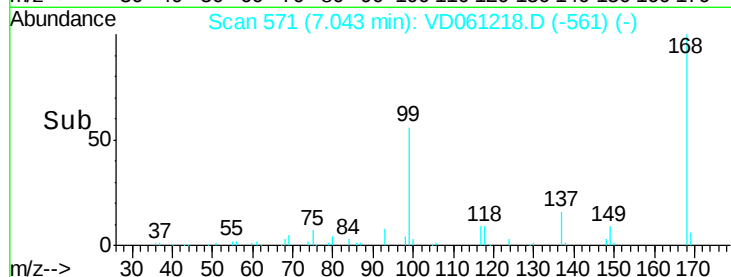
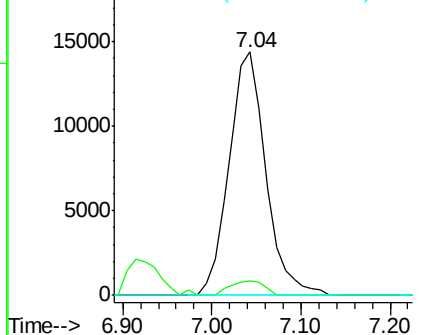
#36
 1,1-Dichloropropene
 Concen: 5.106 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD061218.D
 Acq: 20 Mar 2019 19:53

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-19(13-14)

Tot Ion	75	Resp	41431
Ion Ratio	100	Lower	Upper
75	100		
110	5.9	19.7	59.1#
77	0.0	24.7	37.1#

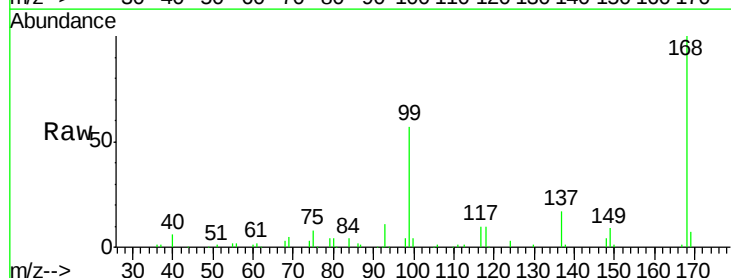


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

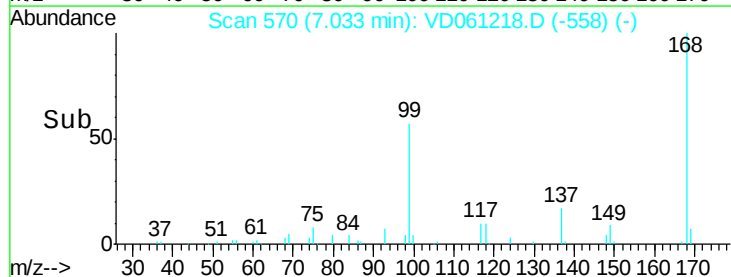
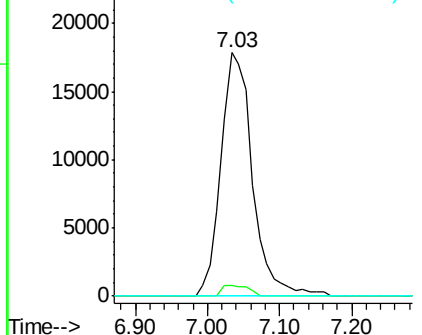


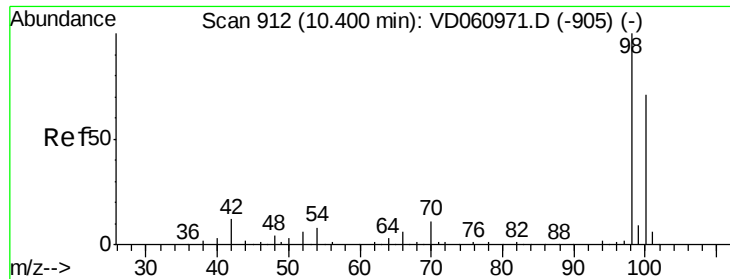
#38
 Carbon Tetrachloride
 Concen: 6.068 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.08 min
 Lab File: VD061218.D
 Acq: 20 Mar 2019 19:53

Tgt Ion	117	Resp	54237
Ion Ratio	100	Lower	Upper
117	100		
119	4.6	77.8	116.8#
121	0.0	25.3	37.9#



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD061218.D

Acq: 20 Mar 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

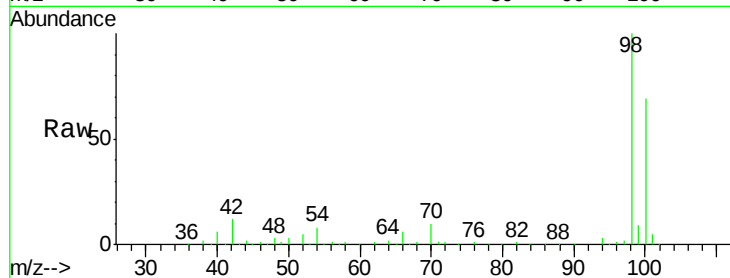
SB-19(13-14)

Tot Ion: 98 Resp: 674232

Ion Ratio Lower Upper

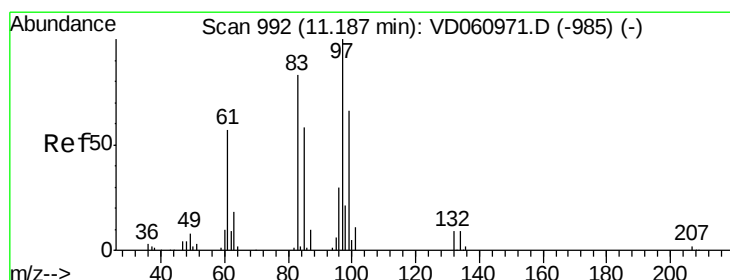
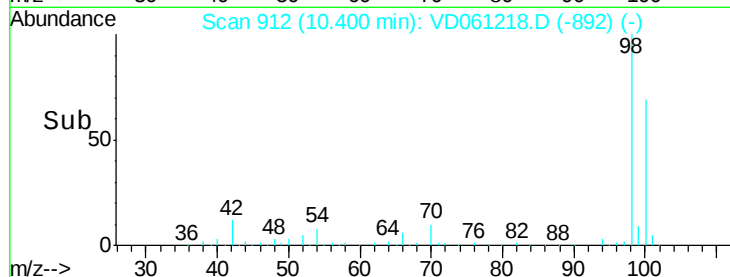
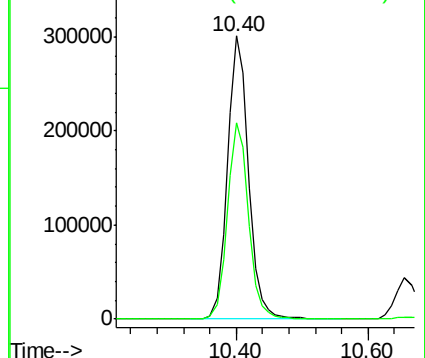
98 100

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



#55

1,1,2-Trichloroethane

Concen: 1.102 ug/l

RT: 11.09 min Scan# 982

Delta R.T. -0.10 min

Lab File: VD061218.D

Acq: 20 Mar 2019 19:53

Tgt Ion: 97 Resp: 4625

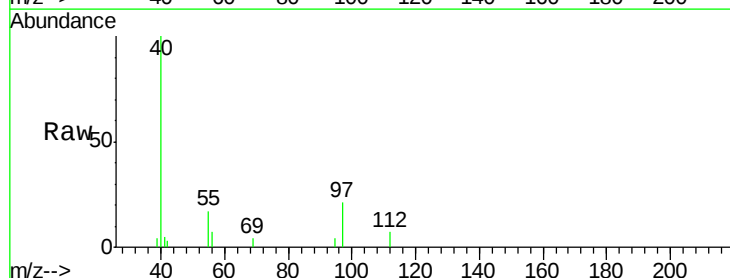
Ion Ratio Lower Upper

97 100

83 0.0 66.6 100.0#

85 0.0 46.4 69.6#

99 0.0 52.4 78.6#

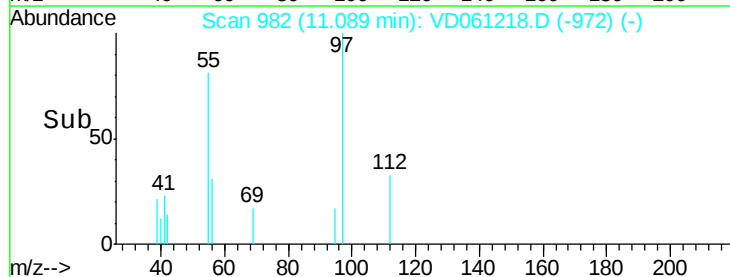
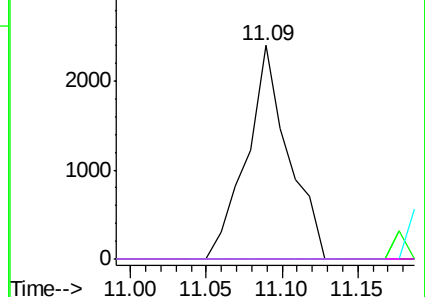


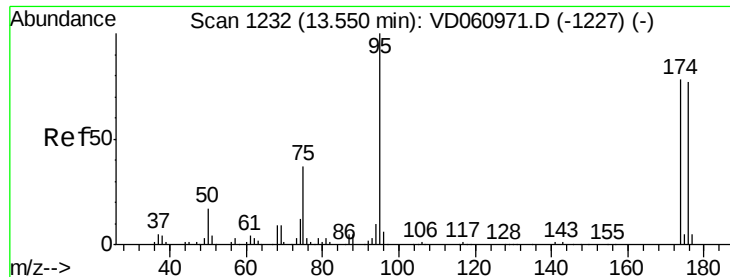
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061218.D

Acq: 20 Mar 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

SB-19(13-14)

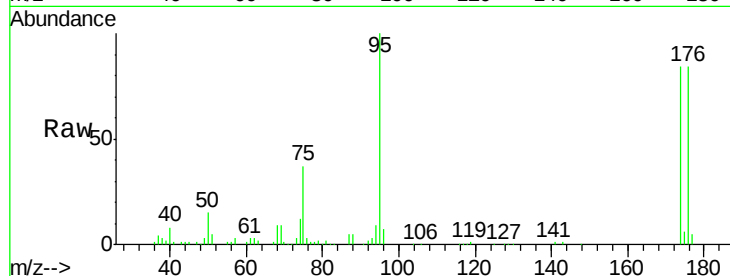
Tot Ion: 95 Resp: 186587

Ion Ratio Lower Upper

95 100

174 84.5 0.0 155.6

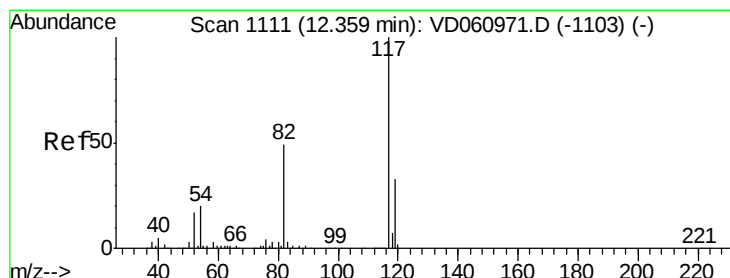
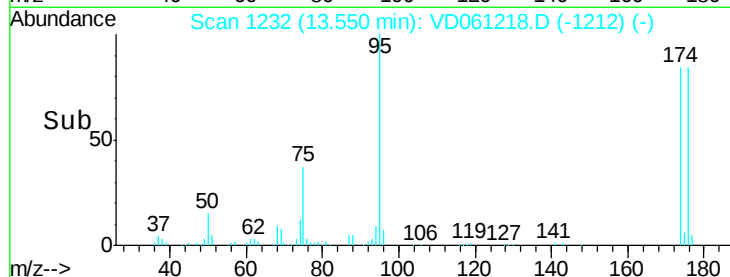
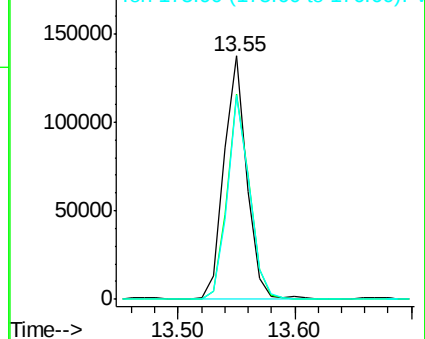
176 83.7 0.0 153.8



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: VD061218.D

Acq: 20 Mar 2019 19:53

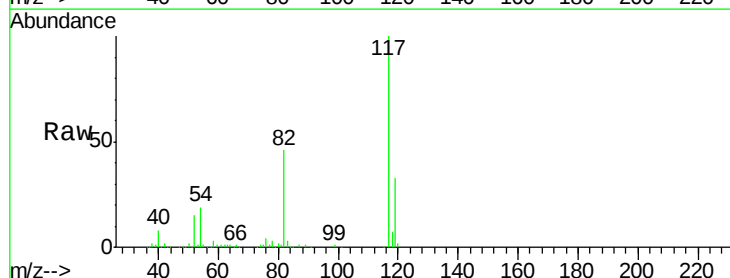
Tgt Ion: 117 Resp: 623271

Ion Ratio Lower Upper

117 100

82 46.0 38.9 58.3

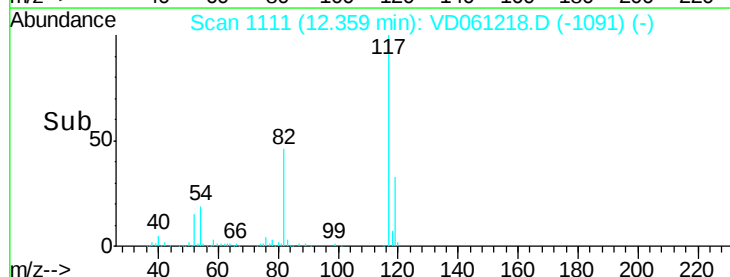
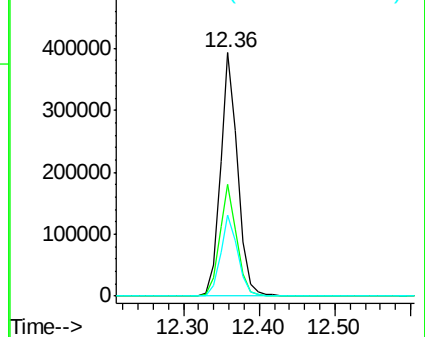
119 33.2 26.6 39.8

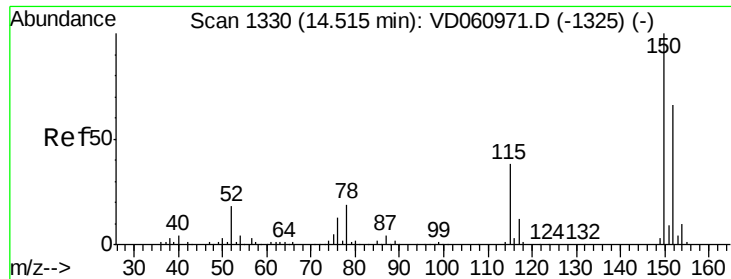


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD061218.D

Acq: 20 Mar 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

SB-19(13-14)

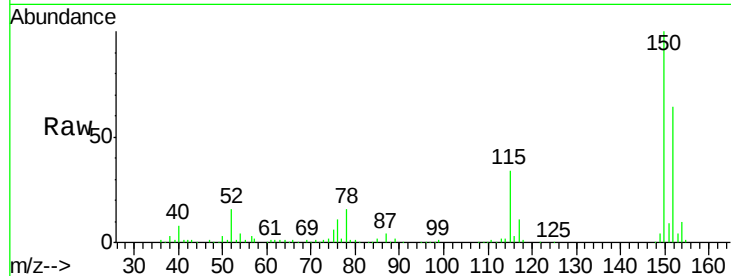
Tot Ion:152 Resp: 176038

Ion Ratio Lower Upper

152 100

115 53.6 28.6 85.9

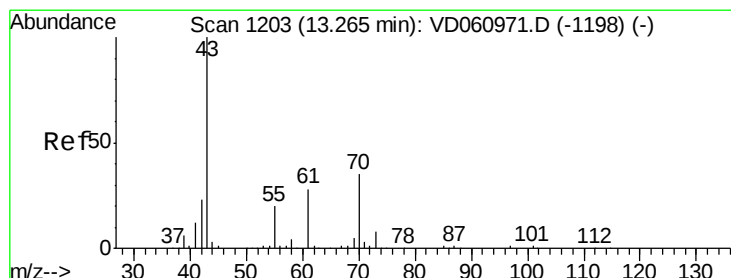
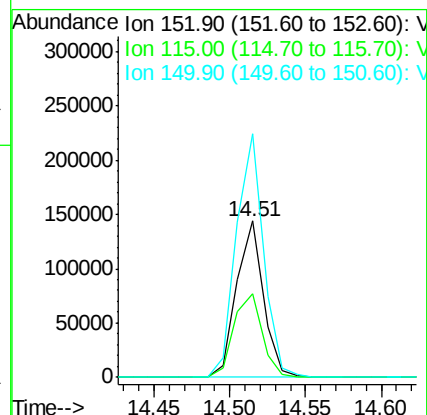
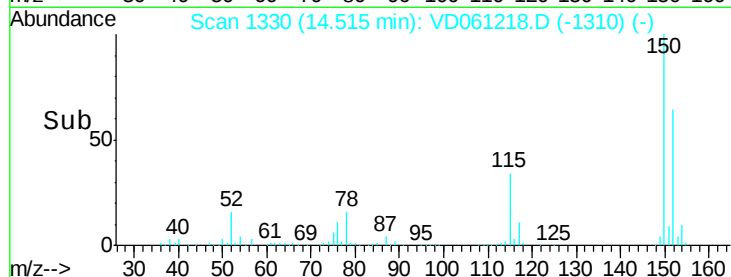
150 156.0 0.0 310.6



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-ethyl acetate

Concen: 1.847 ug/l

RT: 13.29 min Scan# 1206

Delta R.T. 0.03 min

Lab File: VD061218.D

Acq: 20 Mar 2019 19:53

Tgt Ion: 43 Resp: 6597

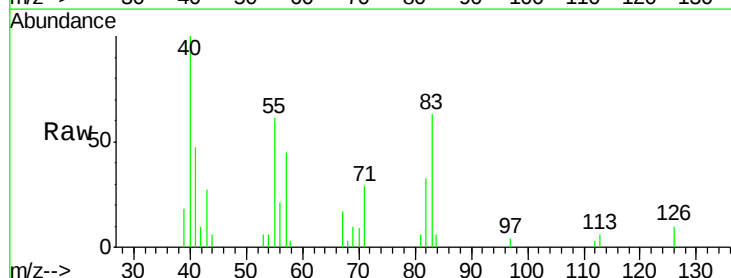
Ion Ratio Lower Upper

43 100

70 33.1 27.7 41.5

55 230.1 16.2 24.2#

61 0.0 22.3 33.5#

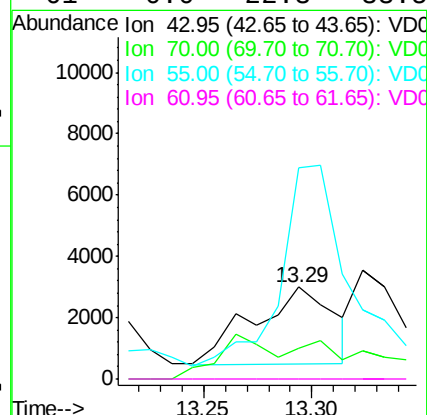
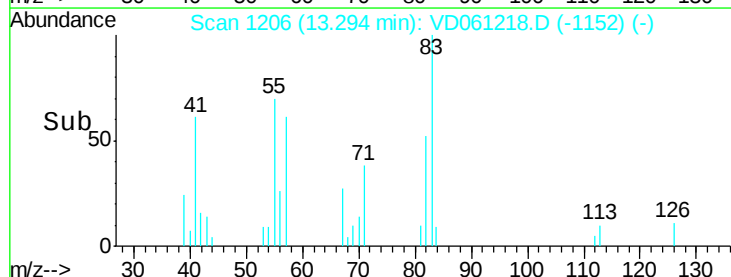


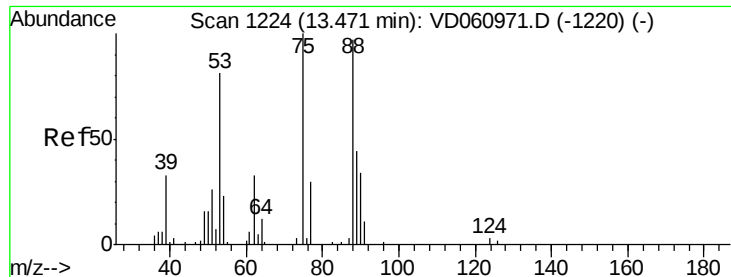
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 90.225 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061218.D

Acq: 20 Mar 2019 19:53

Instrument :

MSVOA_D

ClientSampleId :

SB-19(13-14)

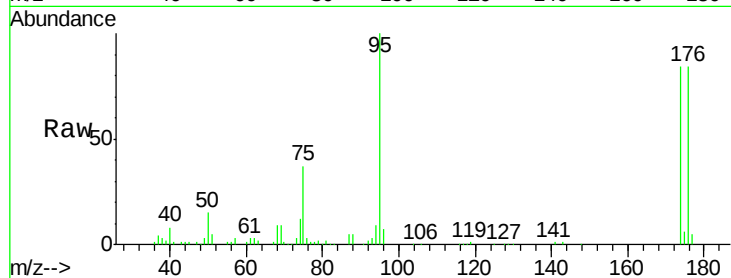
Tot Ion: 75 Resp: 67368

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

