

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061153.D
 Acq On : 18 Mar 2019 18:51
 Operator : VA/AP
 Sample : K1935-09
 Misc : 3.20g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:18:05 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	469514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	799415	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	457994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	103321	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	211056	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	
35) Dibromofluoromethane	6.93	113	311631	52.53	ug/l	0.00
Spiked Amount			Recovery	=	105.06%	
50) Toluene-d8	10.40	98	583754	39.18	ug/l	0.00
Spiked Amount			Recovery	=	78.36%	
62) 4-Bromofluorobenzene	13.55	95	136107	23.54	ug/l	0.00
Spiked Amount			Recovery	=	47.08%	

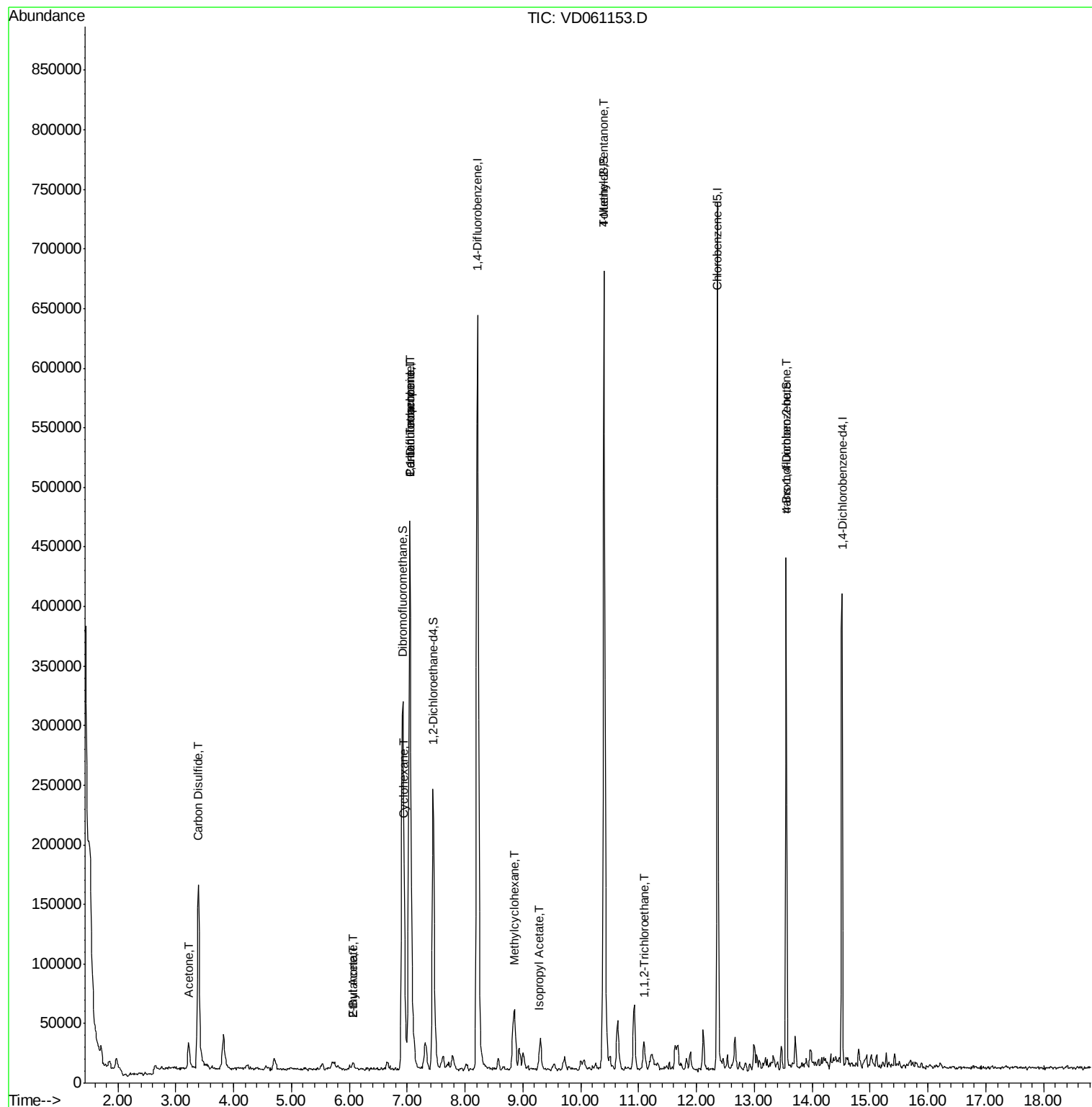
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	180	Below Cal	#	8
16) Acetone	3.22	43	45319	40.551	ug/l #	89
17) Carbon Disulfide	3.39	76	312523	19.658	ug/l	99
20) Methylene Chloride	3.82	84	21098	Below Cal		92
25) 2-Butanone	6.06	43	12921	10.189	ug/l #	90
31) Cyclohexane	6.96	56	12771	1.847	ug/l	87
36) 1,1-Dichloropropene	7.04	75	33101	4.804	ug/l #	47
37) Ethyl Acetate	6.06	43	12400	3.835	ug/l #	66
38) Carbon Tetrachloride	7.04	117	45603	6.008	ug/l #	16
39) Methylcyclohexane	8.86	83	28974	4.055	ug/l #	84
43) Isopropyl Acetate	9.27	43	5997	1.339	ug/l #	43
51) 4-Methyl-2-Pentanone	10.40	43	4333	1.579	ug/l #	1
55) 1,1,2-Trichloroethane	11.09	97	12558	3.522	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	48605	110.910	ug/l #	17

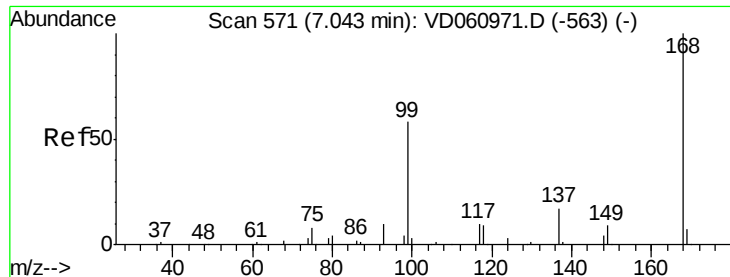
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061153.D
Acq On : 18 Mar 2019 18:51
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Quant Time: Mar 19 02:18:05 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: VD061153.D

Acq: 18 Mar 2019 18:51

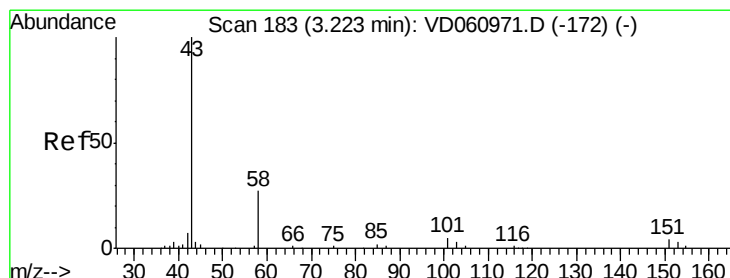
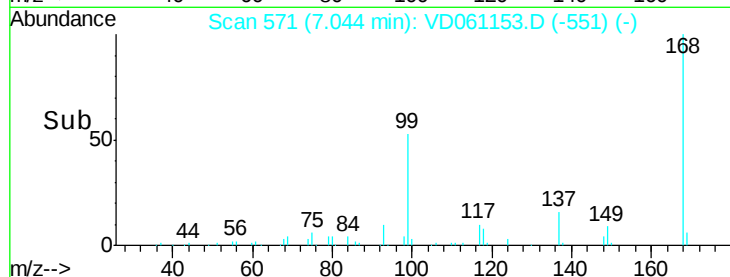
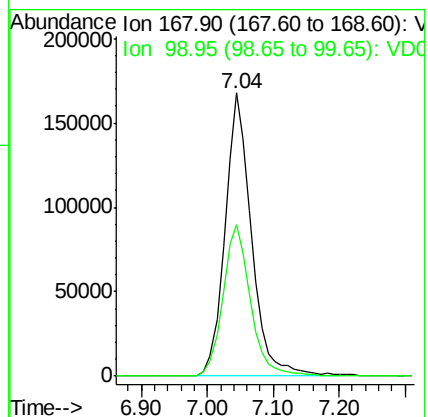
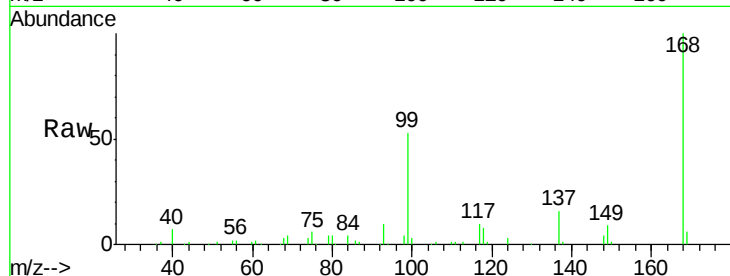
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 469514

Ion Ratio Lower Upper

168 100

99 53.4 47.3 70.9



#16

Acetone

Concen: 40.551 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061153.D

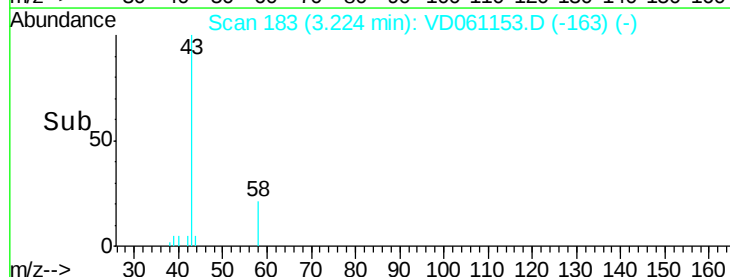
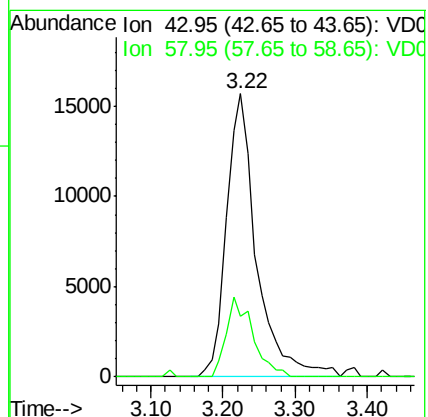
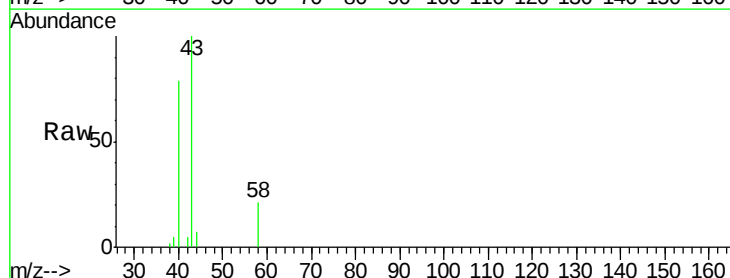
Acq: 18 Mar 2019 18:51

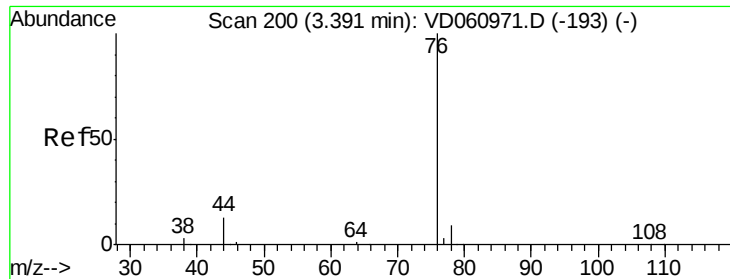
Tgt Ion: 43 Resp: 45319

Ion Ratio Lower Upper

43 100

58 21.5 21.6 32.4#

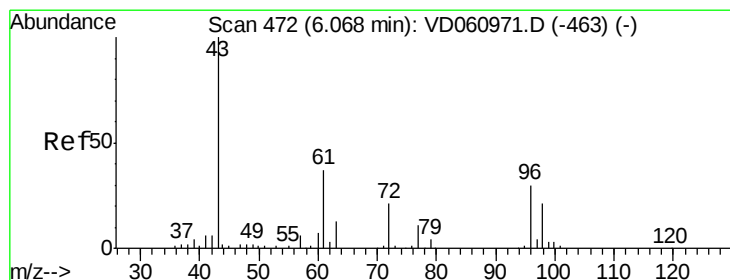
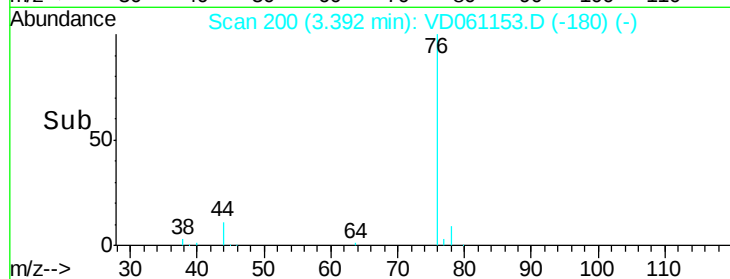
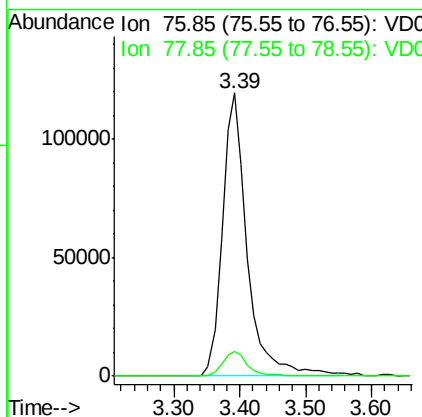
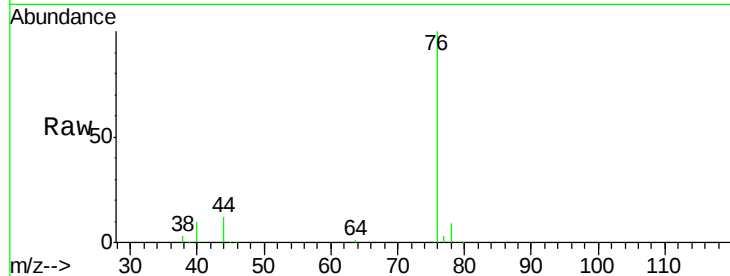




#17
 Carbon Disulfide
 Concen: 19.658 ug/l
 RT: 3.39 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VD061153.D
 Acq: 18 Mar 2019 18:51

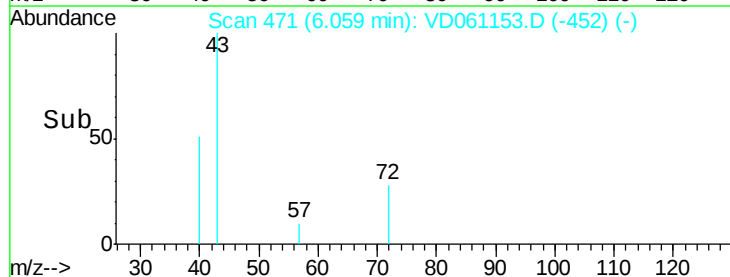
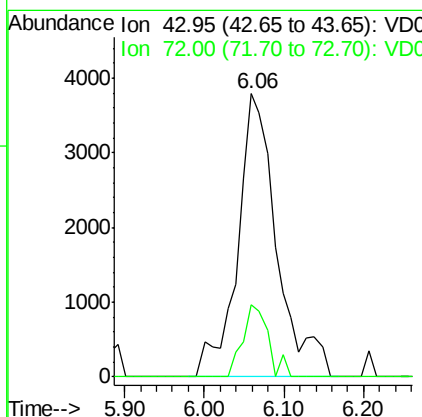
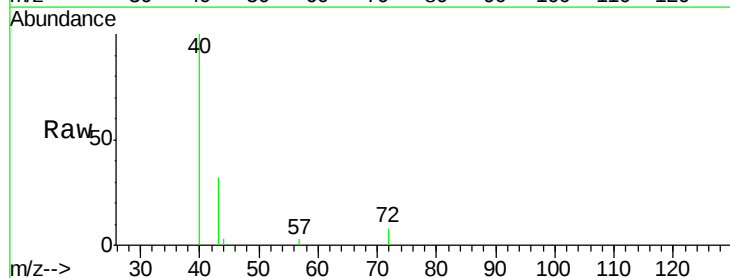
Instrument :
 MSVOA_D
 ClientSampleId :

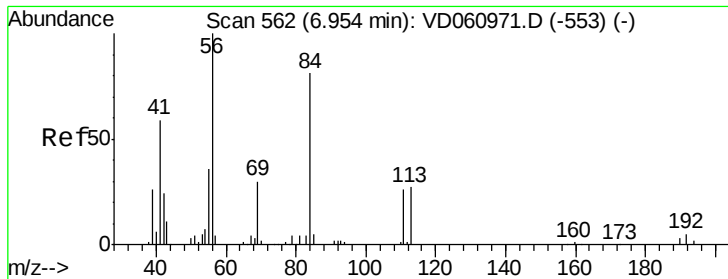
Tot Ion: 76 Resp: 312523
 Ion Ratio Lower Upper
 76 100
 78 8.9 7.4 11.2



#25
 2-Butanone
 Concen: 10.189 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. -0.01 min
 Lab File: VD061153.D
 Acq: 18 Mar 2019 18:51

Tgt Ion: 43 Resp: 12921
 Ion Ratio Lower Upper
 43 100
 72 25.7 16.7 25.1#





#31

Cyclohexane

Concen: 1.847 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD061153.D

Acq: 18 Mar 2019 18:51

Instrument :
MSVOA_D
ClientSampleId :

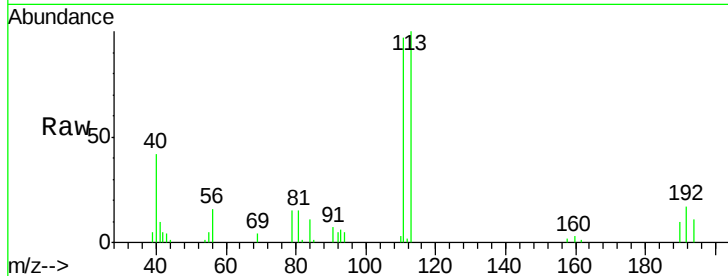
Tot Ion: 56 Resp: 12771

Ion Ratio Lower Upper

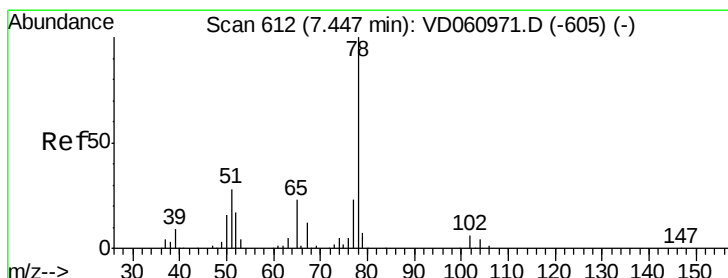
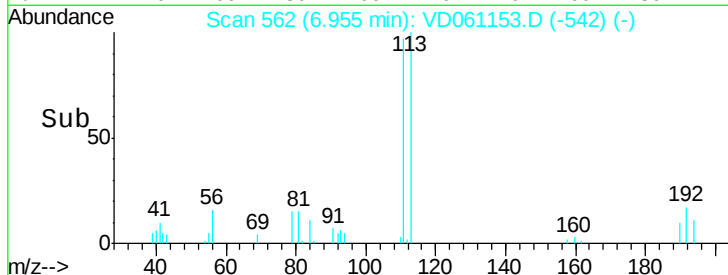
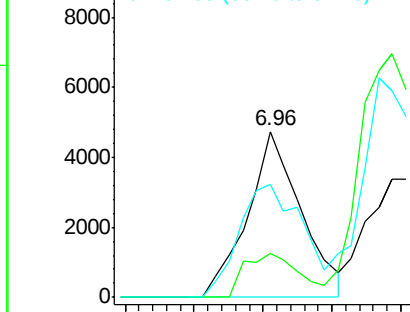
56 100

69 26.7 24.0 36.0

84 68.5 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: VD061153.D

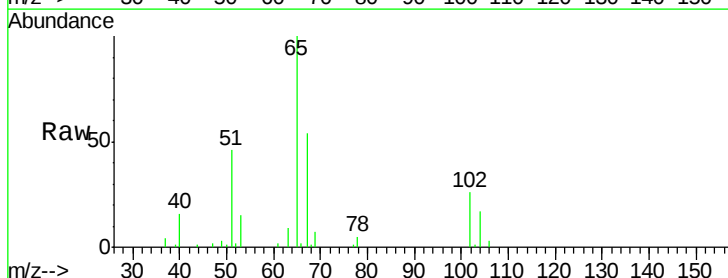
Acq: 18 Mar 2019 18:51

Tgt Ion: 65 Resp: 211056

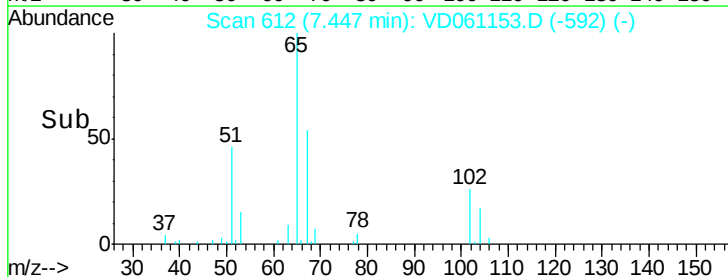
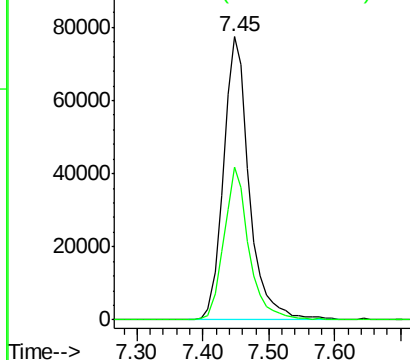
Ion Ratio Lower Upper

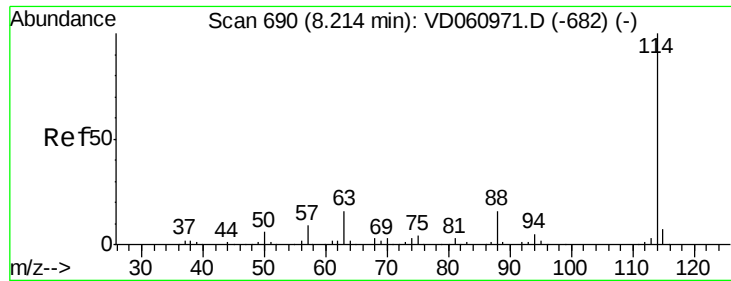
65 100

67 54.2 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: 8.22 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD061153.D

Acq: 18 Mar 2019 18:51

Instrument :

MSVOA_D

ClientSampleId :

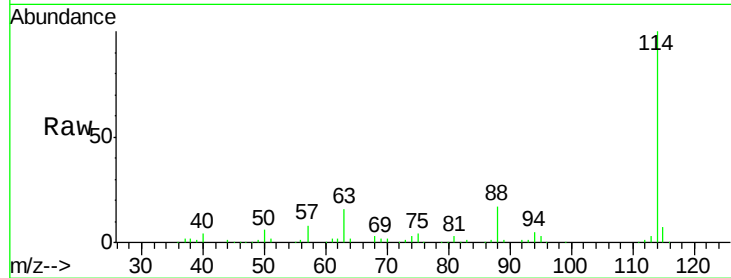
Tot Ion:114 Resp: 799415

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.4

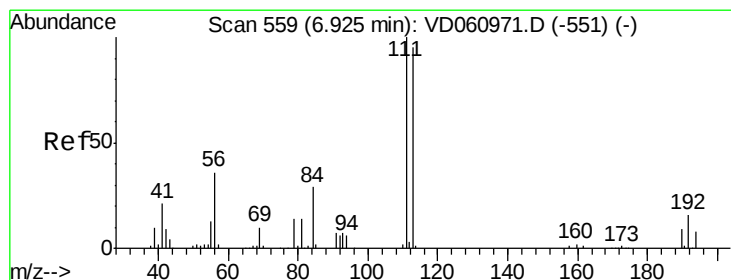
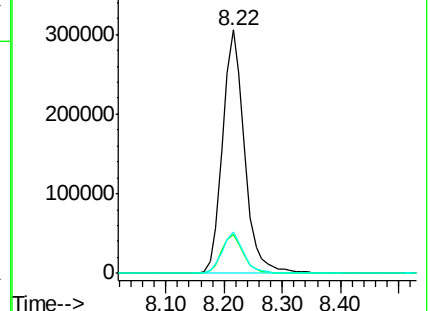
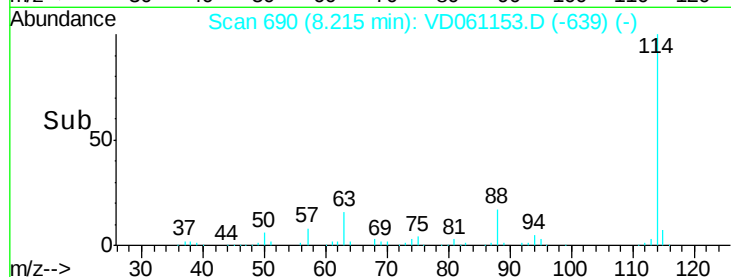
88 16.8 0.0 33.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061153.D

Acq: 18 Mar 2019 18:51

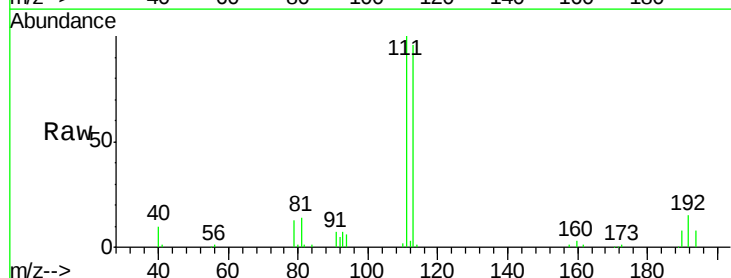
Tgt Ion:113 Resp: 311631

Ion Ratio Lower Upper

113 100

111 103.9 84.2 126.4

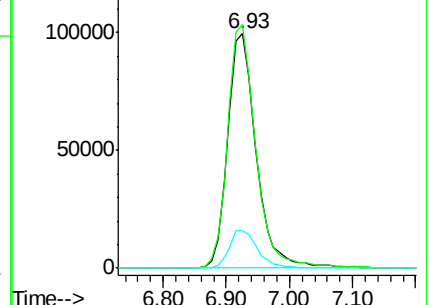
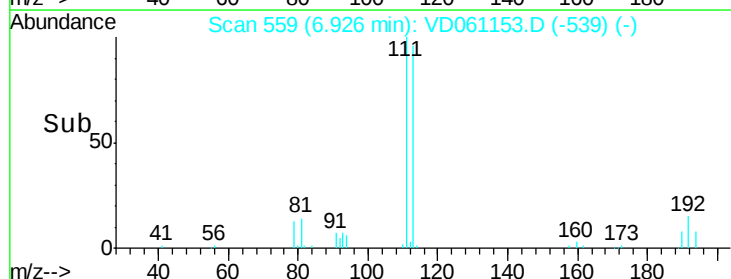
192 15.8 13.1 19.7

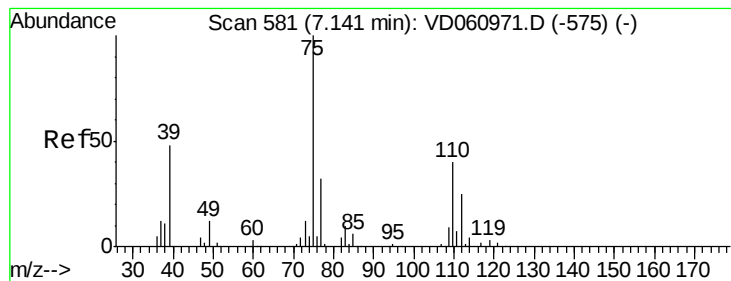


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.804 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061153.D

Acq: 18 Mar 2019 18:51

Instrument :

MSVOA_D

ClientSampleId :

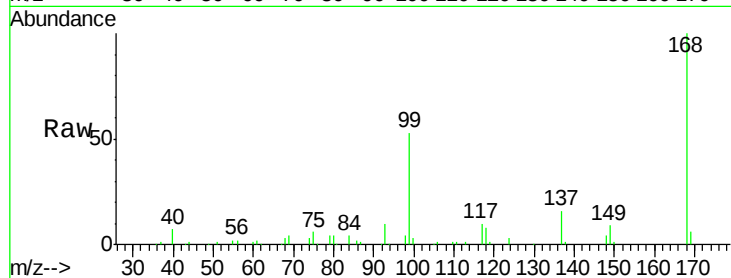
Tot Ion: 75 Resp: 33101

Ion Ratio Lower Upper

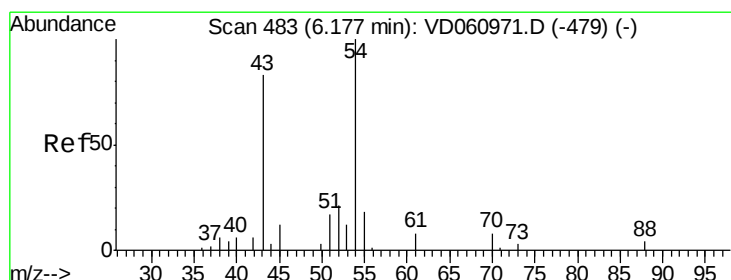
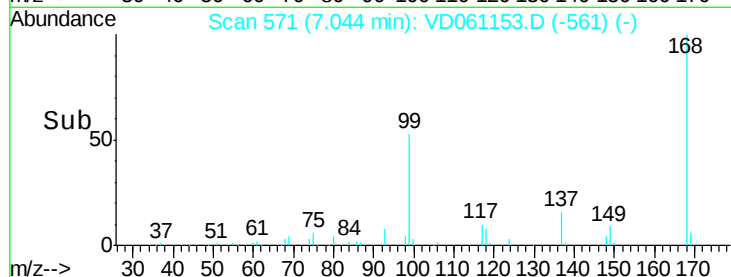
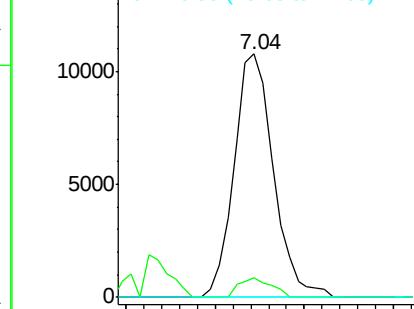
75 100

110 8.2 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



#37

Ethyl Acetate

Concen: 3.835 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.12 min

Lab File: VD061153.D

Acq: 18 Mar 2019 18:51

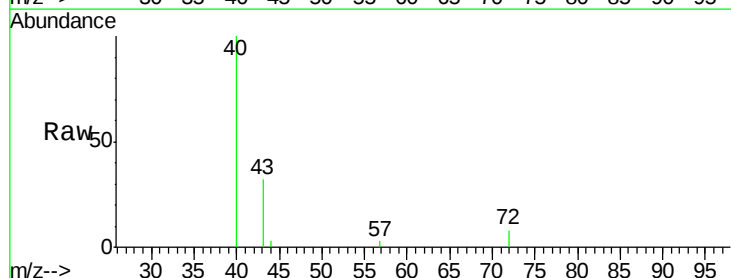
Tgt Ion: 43 Resp: 12400

Ion Ratio Lower Upper

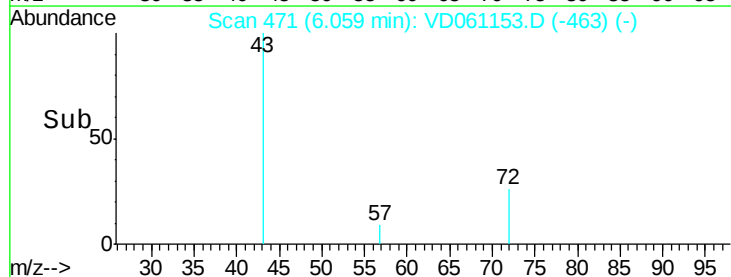
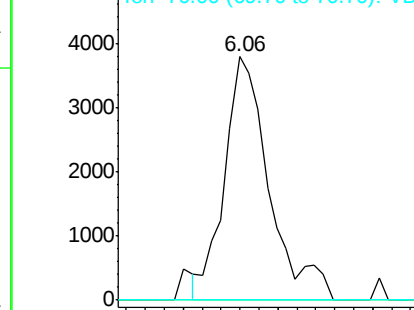
43 100

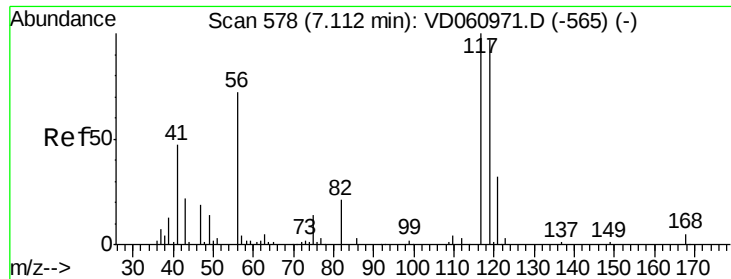
61 0.0 13.7 20.5#

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

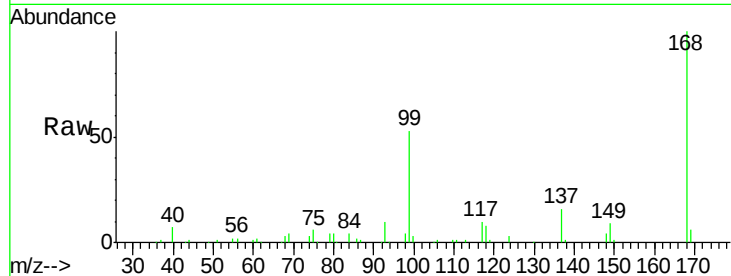




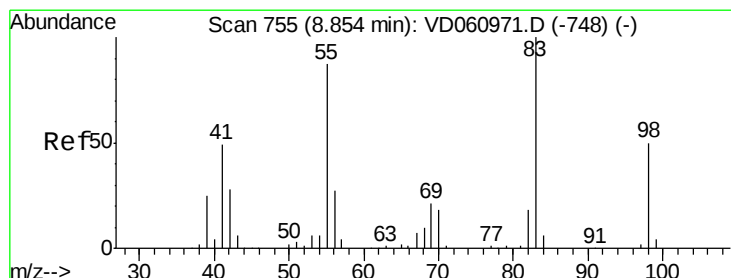
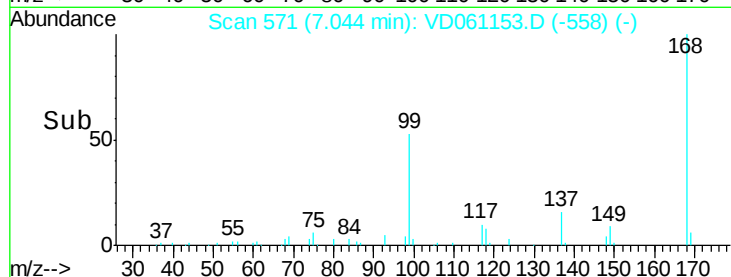
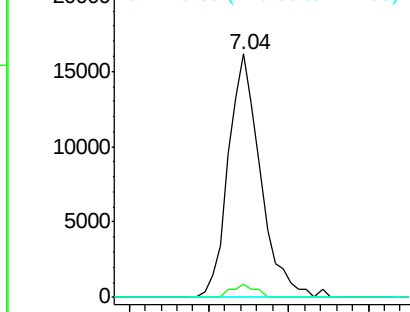
#38
Carbon Tetrachloride
Concen: 6.008 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD061153.D
Acq: 18 Mar 2019 18:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 45603
Ion Ratio Lower Upper
117 100
119 5.4 77.8 116.8#
121 0.0 25.3 37.9#

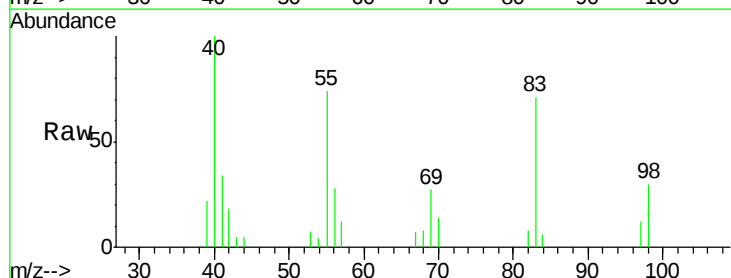


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

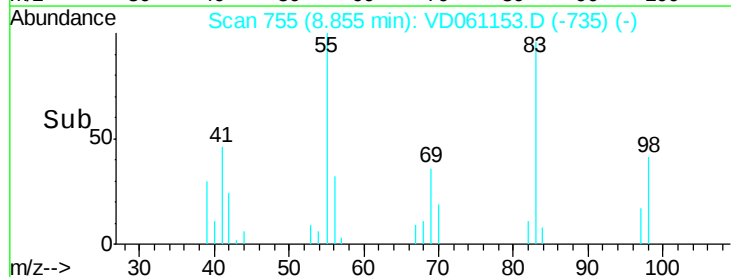
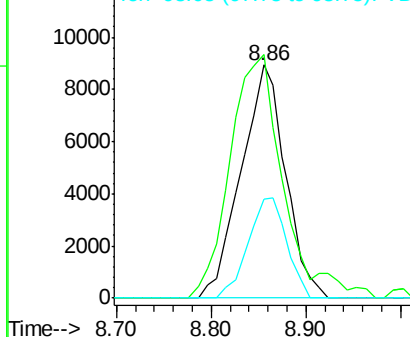


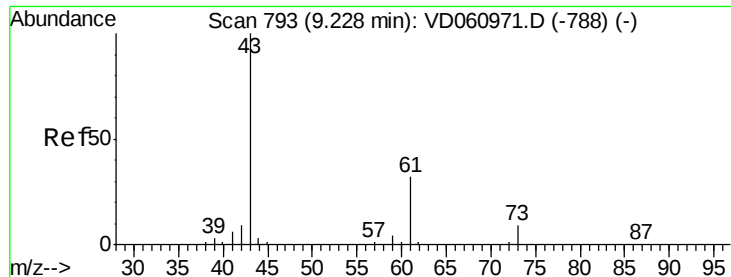
#39
Methylcyclohexane
Concen: 4.055 ug/l
RT: 8.86 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD061153.D
Acq: 18 Mar 2019 18:51

Tgt Ion: 83 Resp: 28974
Ion Ratio Lower Upper
83 100
55 104.6 69.6 104.4#
98 42.6 40.0 60.0



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC





#43

Isopropyl Acetate

Concen: 1.339 ug/l

RT: 9.27 min Scan# 797

Delta R.T. 0.04 min

Lab File: VD061153.D

Acq: 18 Mar 2019 18:51

Instrument :

MSVOA_D

ClientSampled :

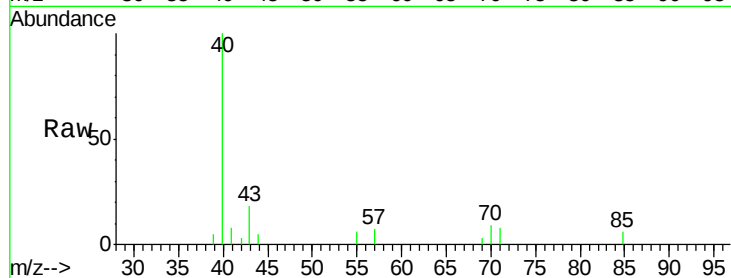
Tot Ion: 43 Resp: 5997

Ion Ratio Lower Upper

43 100

61 0.0 25.6 38.4#

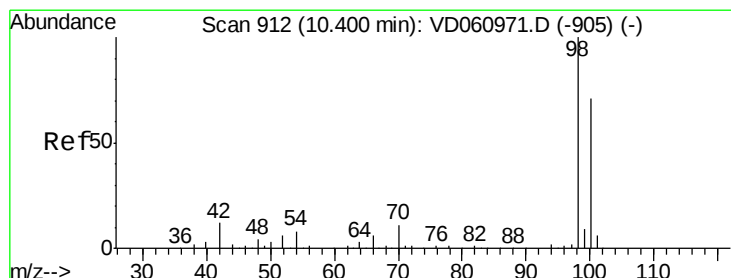
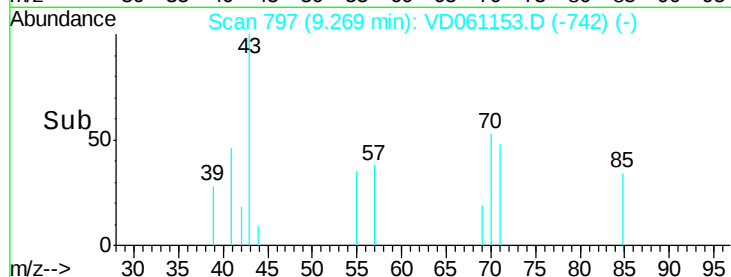
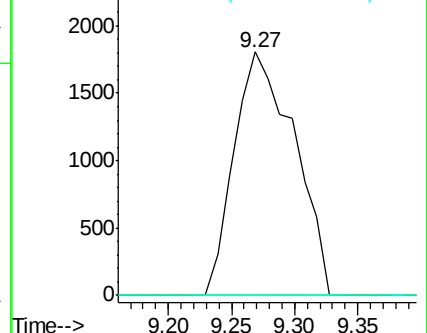
87 0.0 0.2 0.4#



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: VD061153.D

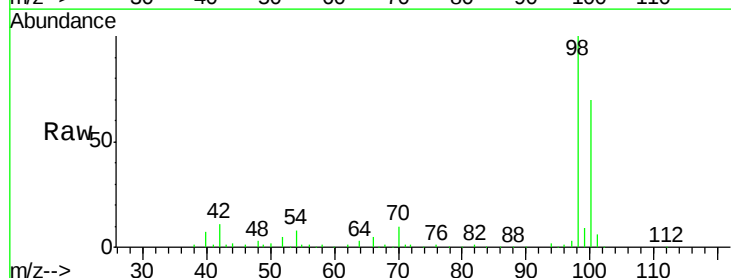
Acq: 18 Mar 2019 18:51

Tgt Ion: 98 Resp: 583754

Ion Ratio Lower Upper

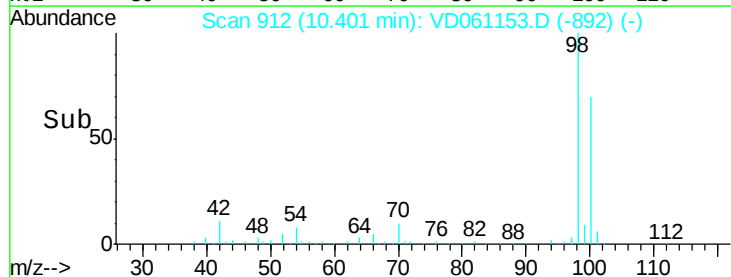
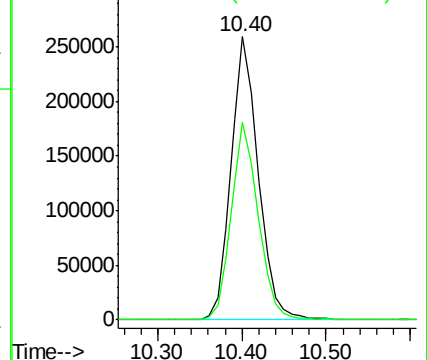
98 100

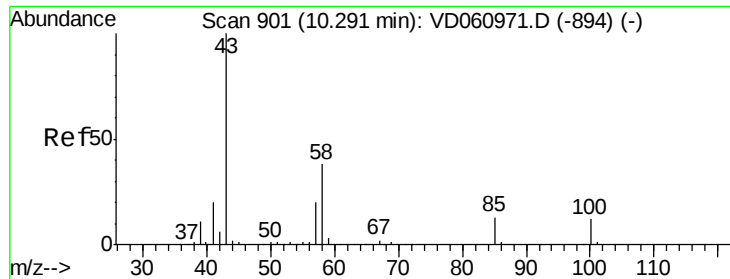
100 69.9 57.4 86.2



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: 1.579 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD061153.D

Acq: 18 Mar 2019 18:51

Instrument :

MSVOA_D

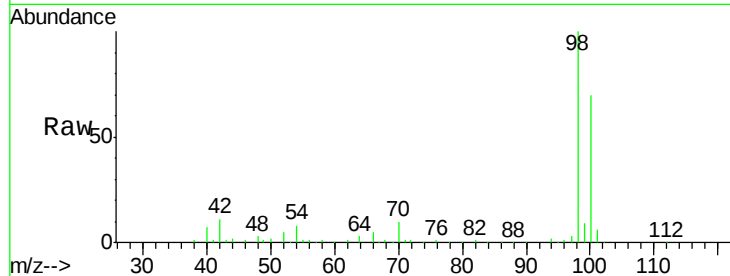
ClientSampleId :

Tot Ion: 43 Resp: 4333

Ion Ratio Lower Upper

43 100

58 113.4 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.40

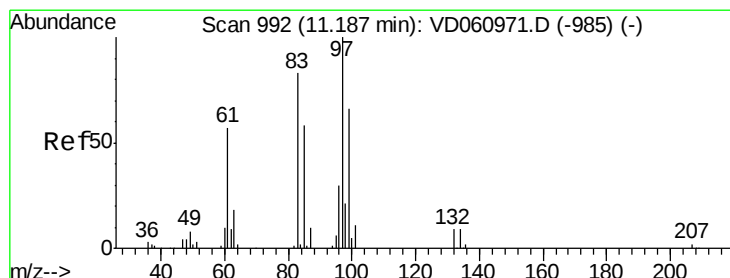
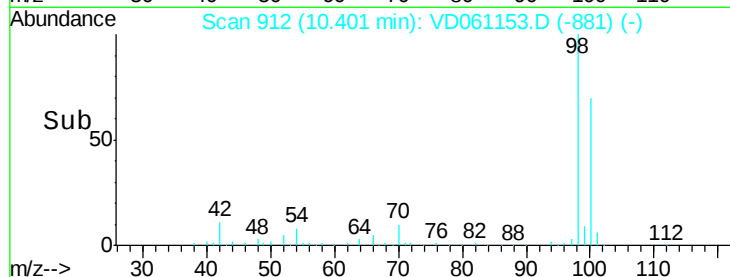
1500

1000

500

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 3.522 ug/l

RT: 11.09 min Scan# 982

Delta R.T. -0.10 min

Lab File: VD061153.D

Acq: 18 Mar 2019 18:51

Tgt Ion: 97 Resp: 12558

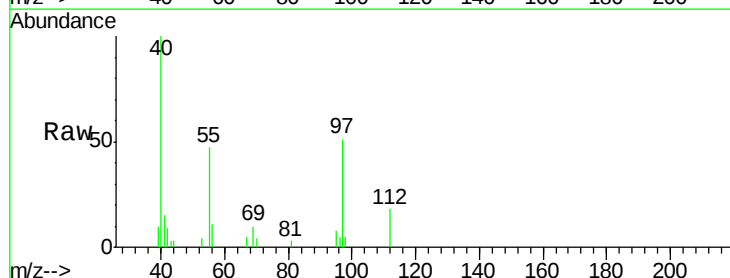
Ion Ratio Lower Upper

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

11.09

8000

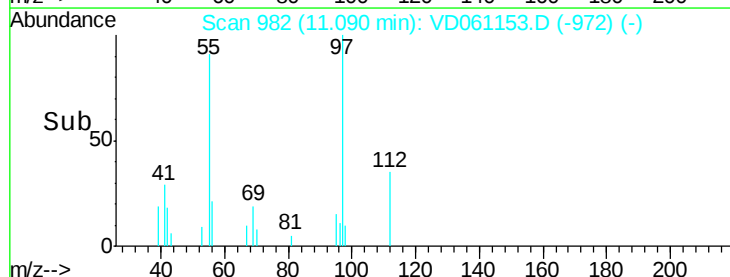
6000

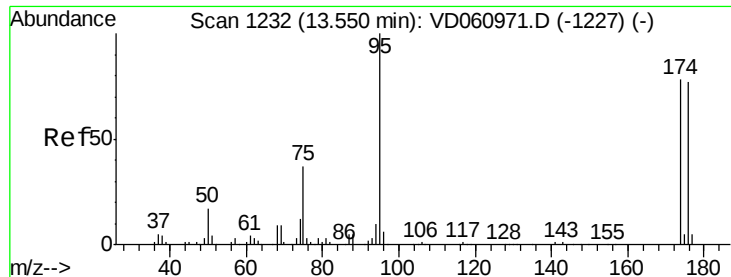
4000

2000

0

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061153.D

Acq: 18 Mar 2019 18:51

Instrument :

MSVOA_D

ClientSampled :

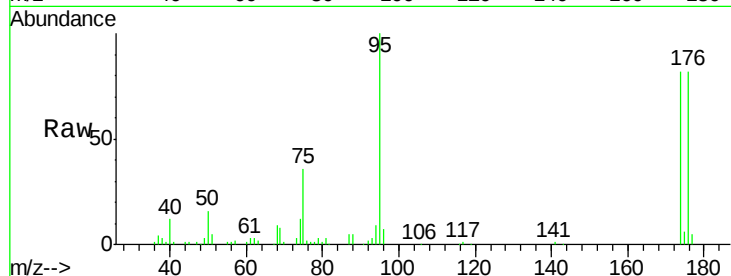
Tot Ion: 95 Resp: 136107

Ion Ratio Lower Upper

95 100

174 81.7 0.0 155.6

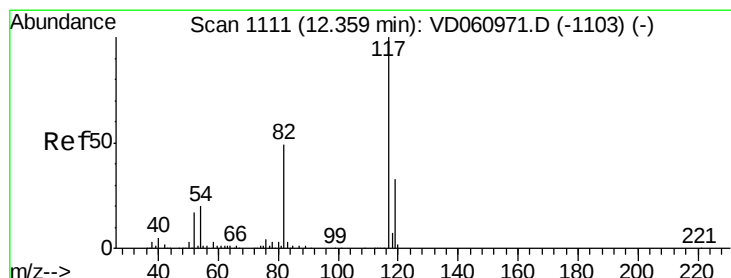
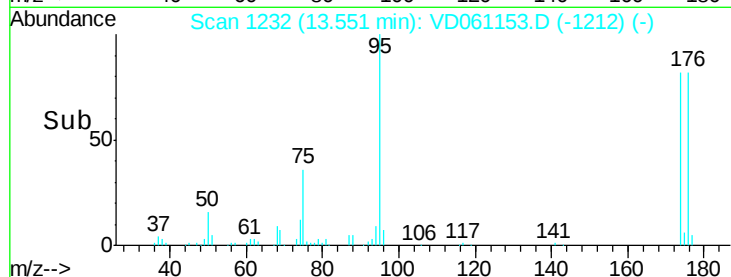
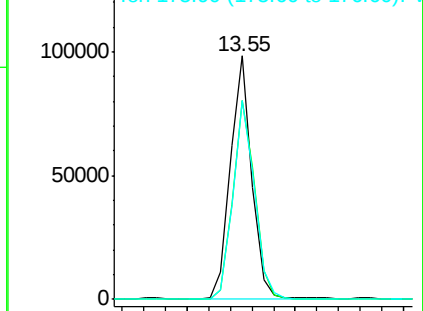
176 81.8 0.0 153.8



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: VD061153.D

Acq: 18 Mar 2019 18:51

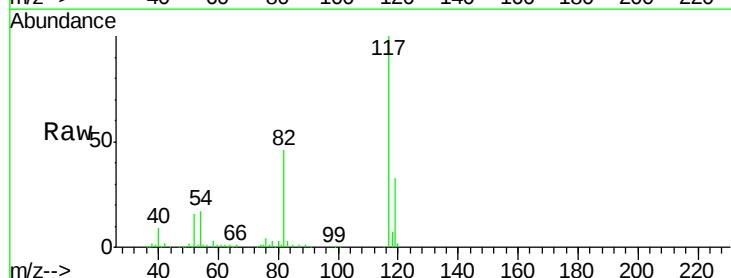
Tgt Ion: 117 Resp: 457994

Ion Ratio Lower Upper

117 100

82 46.1 38.9 58.3

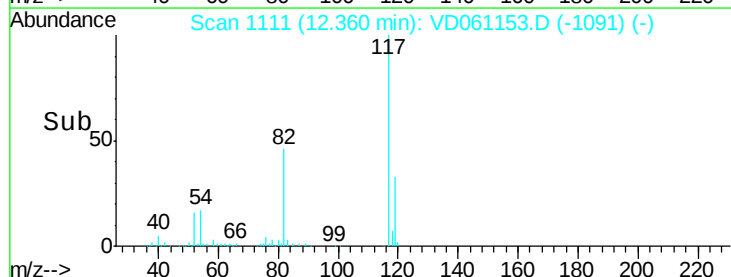
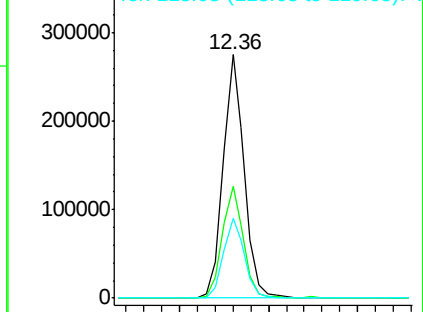
119 32.8 26.6 39.8

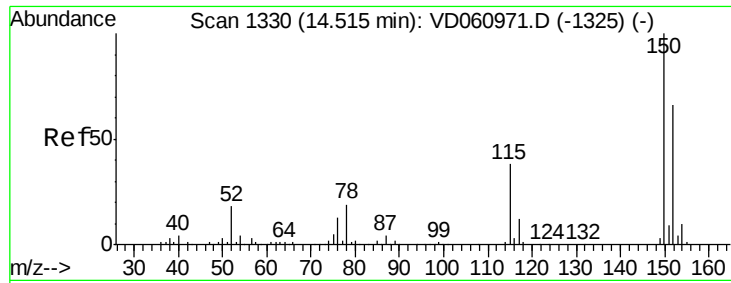


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD061153.D

Acq: 18 Mar 2019 18:51

Instrument :

MSVOA_D

ClientSampleId :

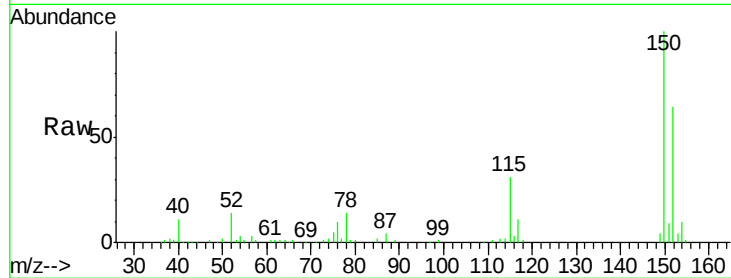
Tot Ion:152 Resp: 103321

Ion Ratio Lower Upper

152 100

115 49.1 28.6 85.9

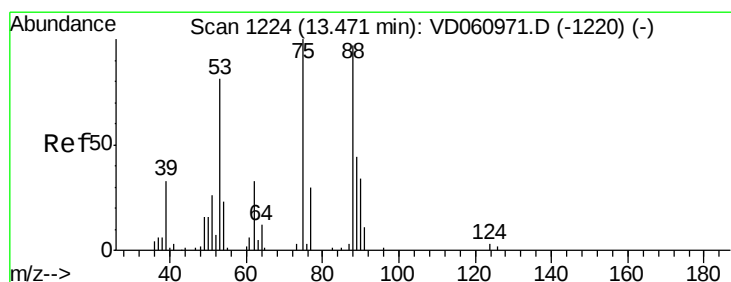
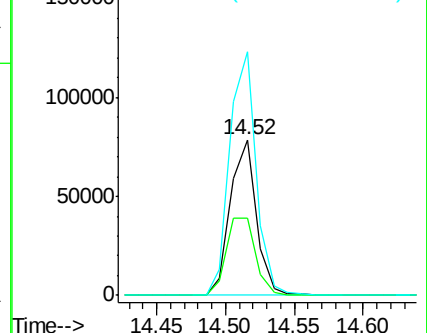
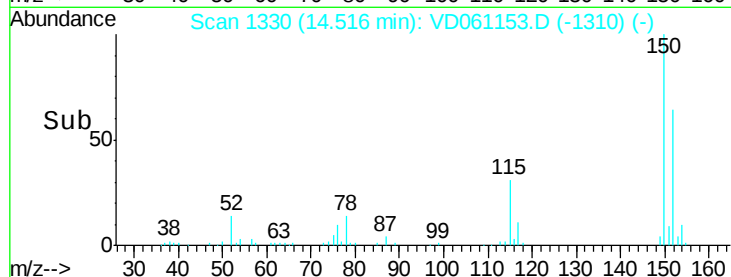
150 156.2 0.0 310.6



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: 110.910 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061153.D

Acq: 18 Mar 2019 18:51

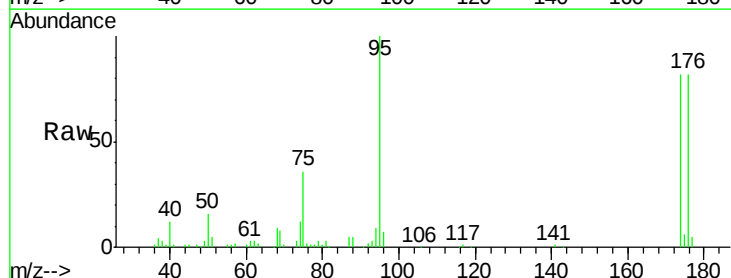
Tgt Ion: 75 Resp: 48605

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

