

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
 Data File : VD061262.D
 Acq On : 22 Mar 2019 15:51
 Operator : VA/AP
 Sample : K2018-03RE
 Misc : 5.37g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1-B

Quant Time: Mar 22 23:27:42 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	7.11	168	587637	50.00	ug/l	0.07
34) 1,4-Difluorobenzene	8.27	114	1007019	50.00	ug/l	0.06
63) Chlorobenzene-d5	12.40	117	795056	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	14.54	152	331808	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.51	65	257328	52.61	ug/l	0.07
Spiked Amount			Recovery	=	105.22%	
35) Dibromofluoromethane	6.98	113	384723	51.48	ug/l	0.06
Spiked Amount			Recovery	=	102.96%	
50) Toluene-d8	10.46	98	937134	49.93	ug/l	0.06
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	13.58	95	358571	49.24	ug/l	0.03
Spiked Amount			Recovery	=	98.48%	

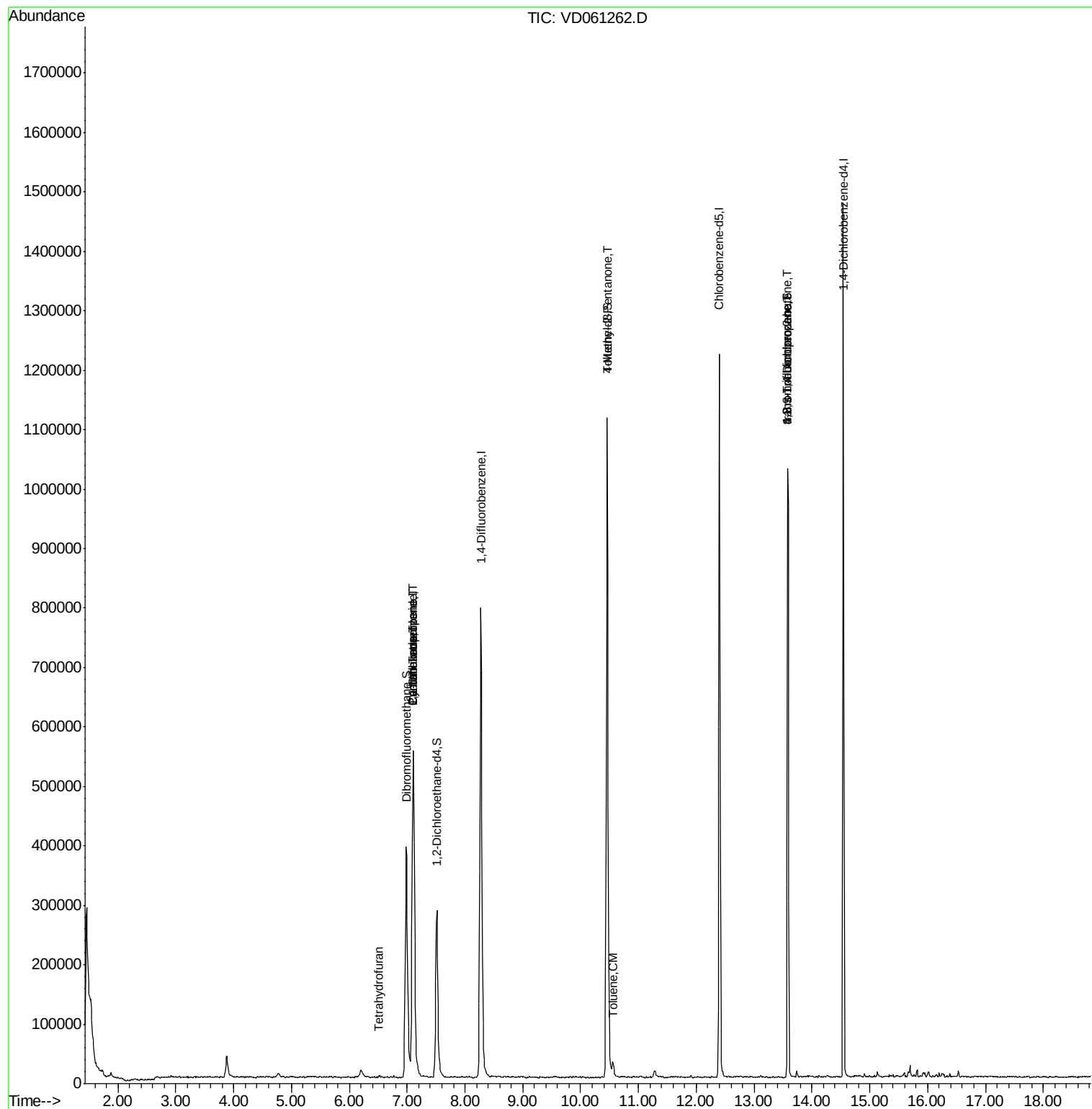
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.24	94	178	Below Cal	#	8
20) Methylene Chloride	3.87	84	28391	Below Cal	#	93
29) Tetrahydrofuran	6.52	42	1123	1.303	ug/l #	46
31) Cyclohexane	7.10	56	10062	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.10	75	42939	4.947	ug/l #	46
38) Carbon Tetrachloride	7.10	117	56502	5.909	ug/l #	15
51) 4-Methyl-2-Pentanone	10.46	43	4030	1.166	ug/l #	1
52) Toluene	10.56	92	14685	1.089	ug/l	89
76) 1,2,3-Trichloropropane	13.58	75	130791	27.398	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.58	75	130791	92.933	ug/l #	17

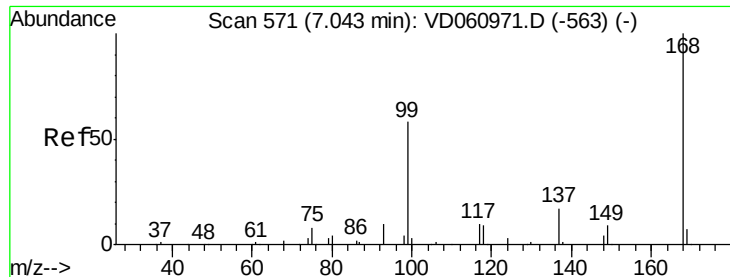
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061262.D
Acq On : 22 Mar 2019 15:51
Operator : VA/AP
Sample : K2018-03RE
Misc : 5.37g/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP-1-B

Quant Time: Mar 22 23:27:42 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: 7.11 min Scan# 578

Delta R.T. 0.07 min

Lab File: VD061262.D

Acq: 22 Mar 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

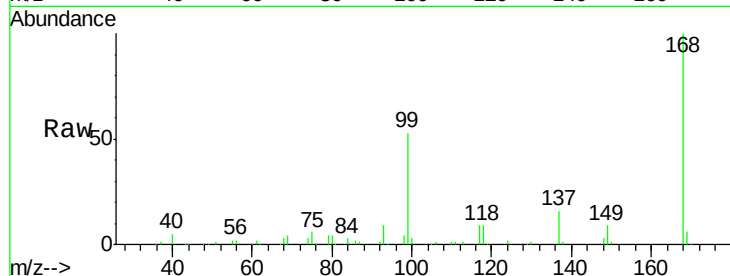
SP-1-B

Tot Ion:168 Resp: 587637

Ion Ratio Lower Upper

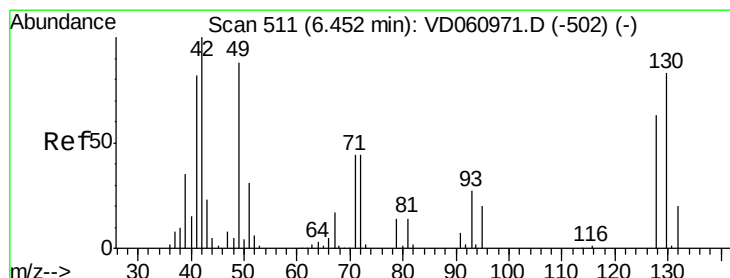
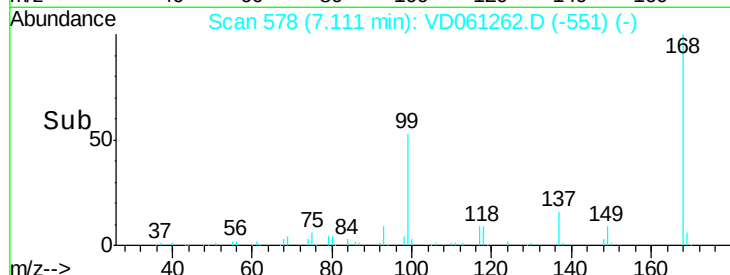
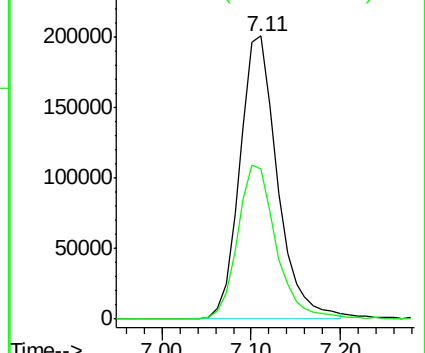
168 100

99 52.9 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#29

Tetrahydrofuran

Concen: 1.303 ug/l

RT: 6.52 min Scan# 518

Delta R.T. 0.07 min

Lab File: VD061262.D

Acq: 22 Mar 2019 15:51

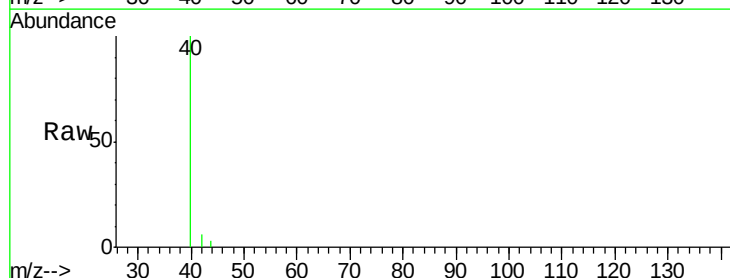
Tgt Ion: 42 Resp: 1123

Ion Ratio Lower Upper

42 100

72 16.5 34.5 51.7#

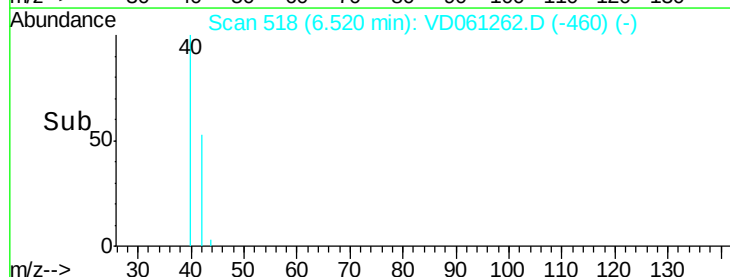
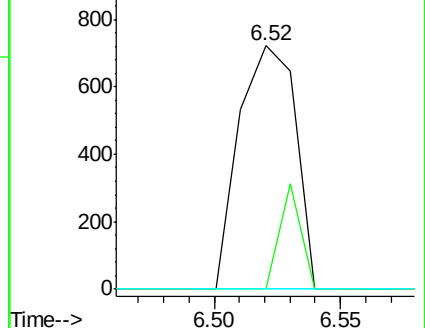
71 0.0 33.8 50.6#

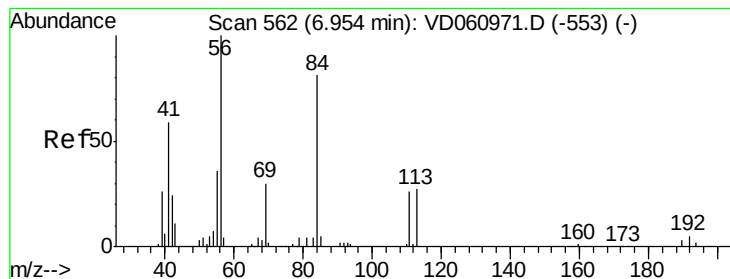


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.10 min Scan# 577

Delta R.T. 0.15 min

Lab File: VD061262.D

Acq: 22 Mar 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

SP-1-B

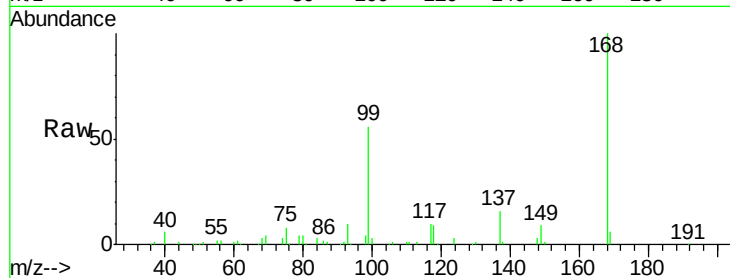
Tot Ion: 56 Resp: 10062

Ion Ratio Lower Upper

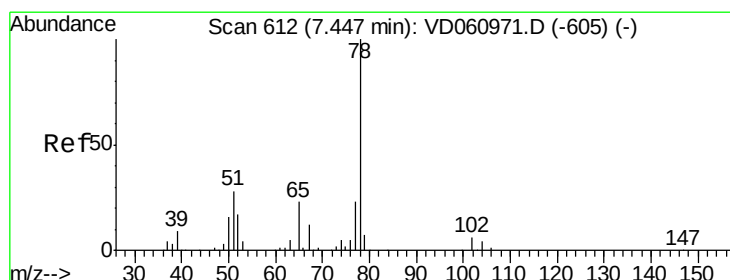
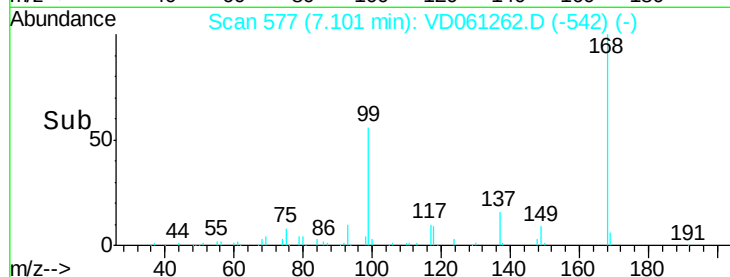
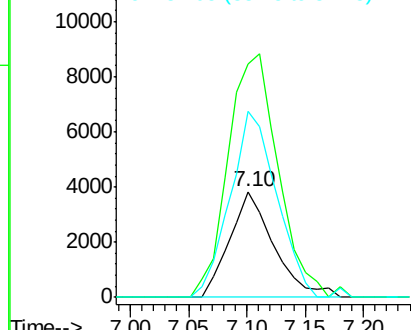
56 100

69 221.3 24.0 36.0#

84 176.2 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: 7.51 min Scan# 619

Delta R.T. 0.07 min

Lab File: VD061262.D

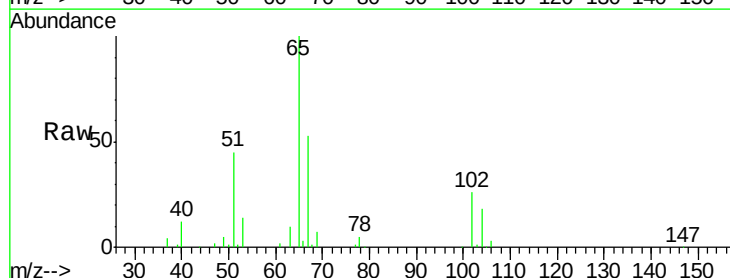
Acq: 22 Mar 2019 15:51

Tgt Ion: 65 Resp: 257328

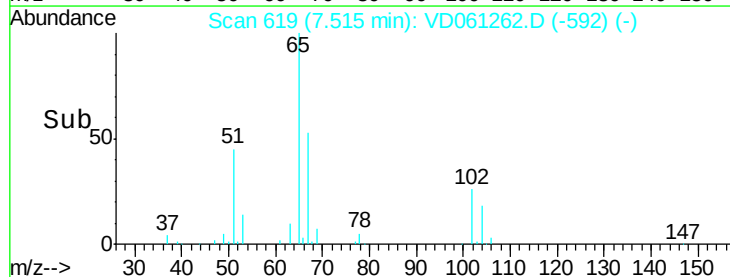
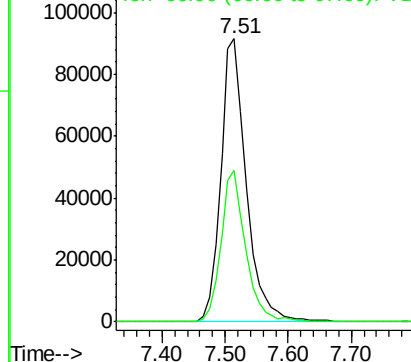
Ion Ratio Lower Upper

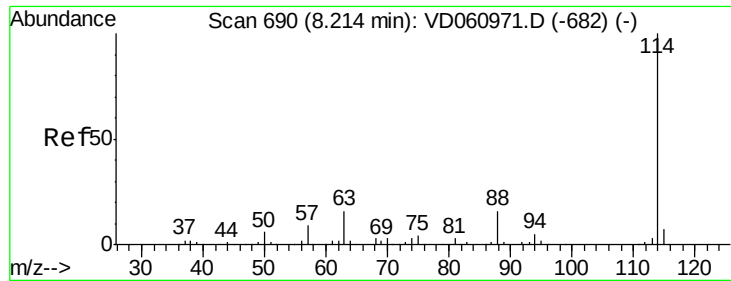
65 100

67 53.5 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: 8.27 min Scan# 696

Delta R.T. 0.06 min

Lab File: VD061262.D

Acq: 22 Mar 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

SP-1-B

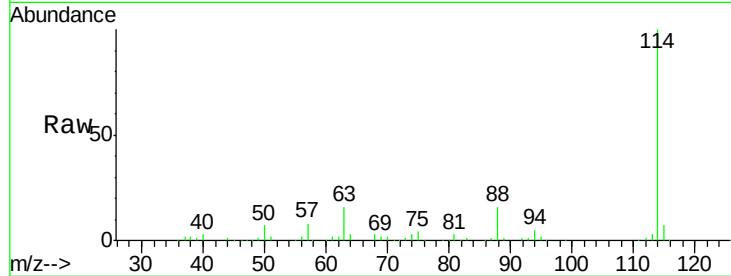
Tot Ion:114 Resp: 1007019

Ion Ratio Lower Upper

114 100

63 16.0 0.0 31.4

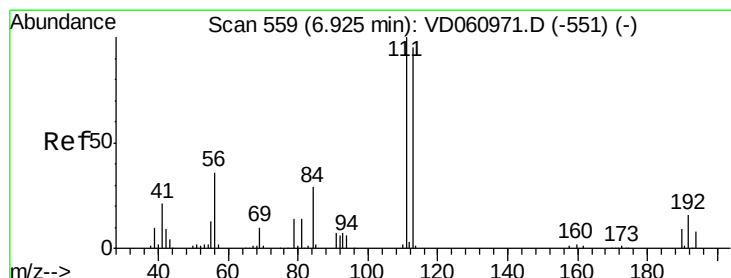
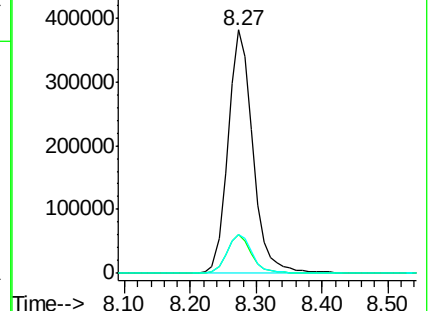
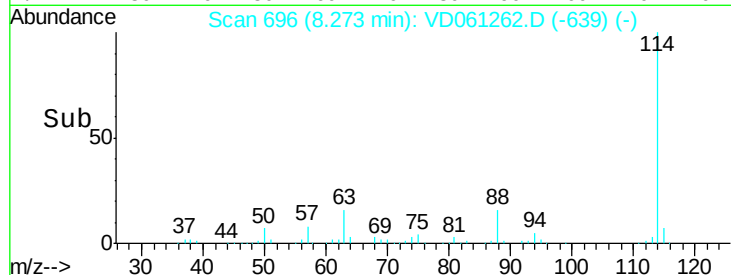
88 16.0 0.0 33.0



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: 6.98 min Scan# 565

Delta R.T. 0.06 min

Lab File: VD061262.D

Acq: 22 Mar 2019 15:51

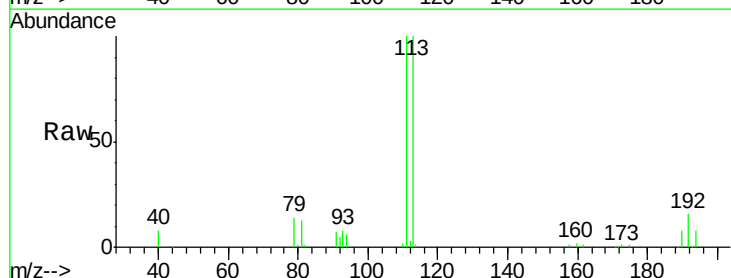
Tgt Ion:113 Resp: 384723

Ion Ratio Lower Upper

113 100

111 99.6 84.2 126.4

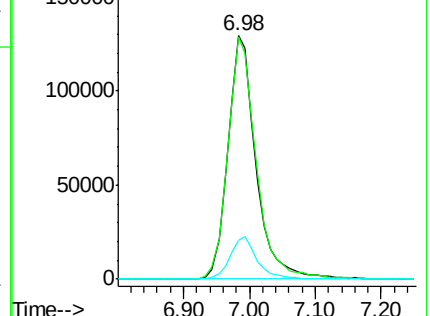
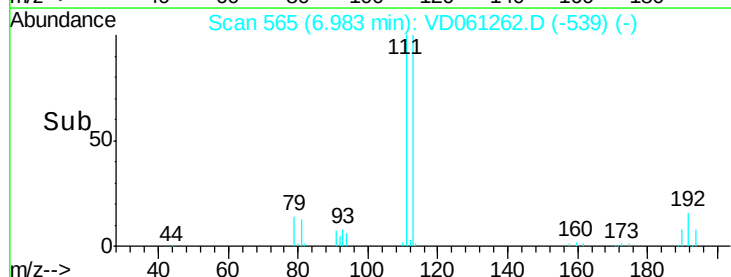
192 16.0 13.1 19.7

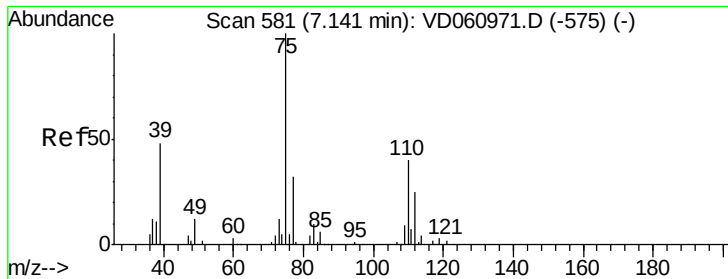


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

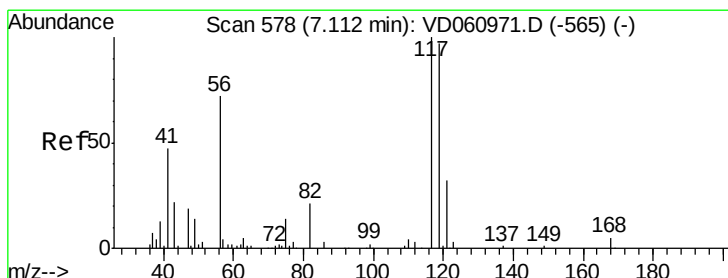
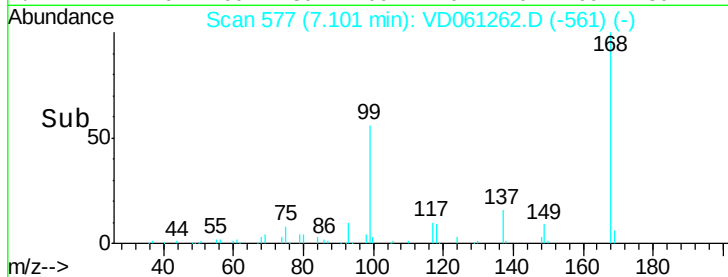
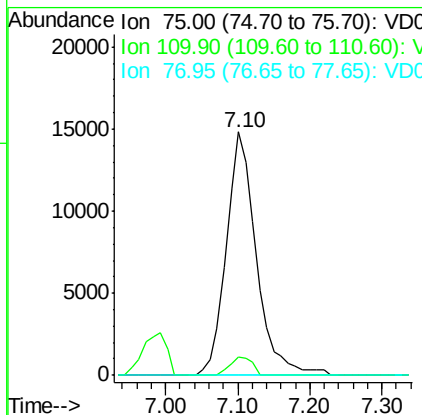
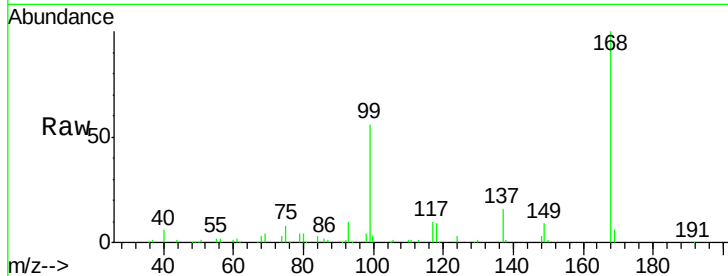




#36
 1,1-Dichloropropene
 Concen: 4.947 ug/l
 RT: 7.10 min Scan# 577
 Delta R.T. -0.04 min
 Lab File: VD061262.D
 Acq: 22 Mar 2019 15:51

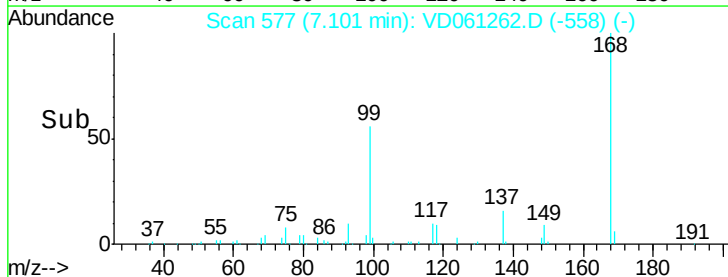
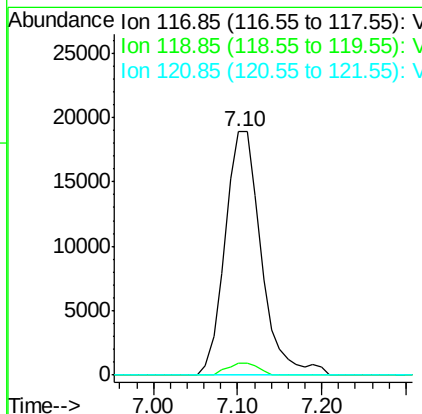
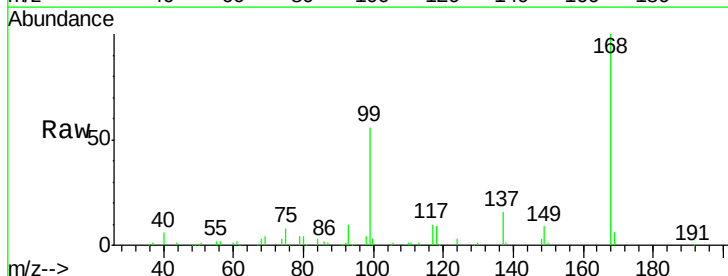
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1-B

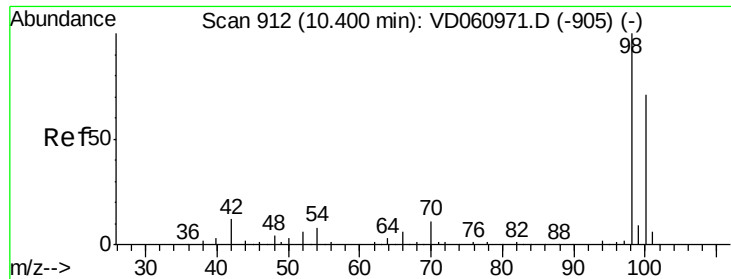
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.3	19.7	59.1#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.909 ug/l
 RT: 7.10 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VD061262.D
 Acq: 22 Mar 2019 15:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.8	116.8#
121	0.0	25.3	37.9#

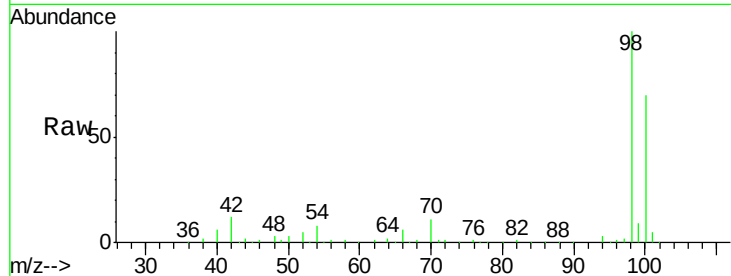




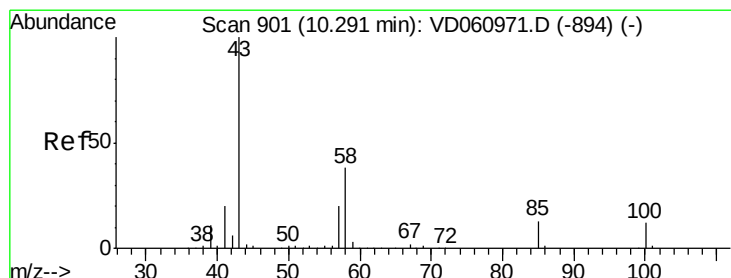
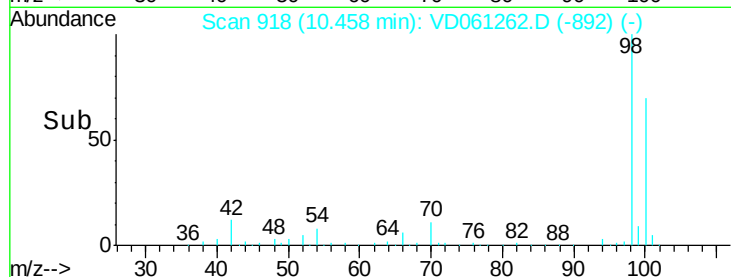
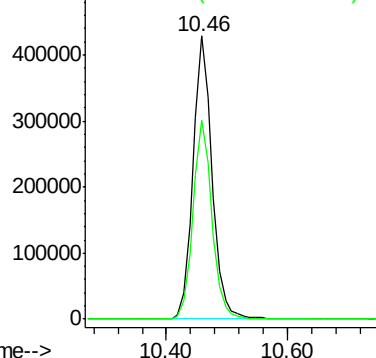
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.46 min Scan# 918
Delta R.T. 0.06 min
Lab File: VD061262.D
Acq: 22 Mar 2019 15:51

Instrument :
MSVOA_D
ClientSampleId :
SP-1-B

Tot Ion: 98 Resp: 937134
Ion Ratio Lower Upper
98 100
100 70.1 57.4 86.2

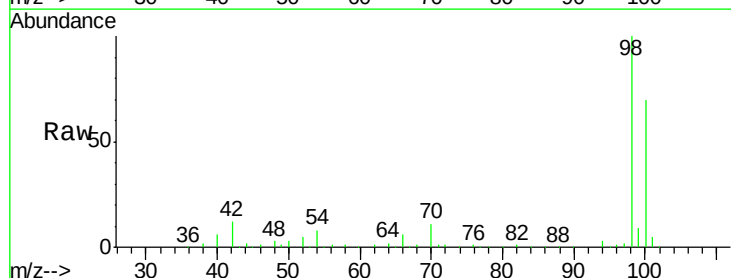


Abundance Ion 98.05 (97.75 to 98.75): VD060971.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD060971.D (-905) (-)

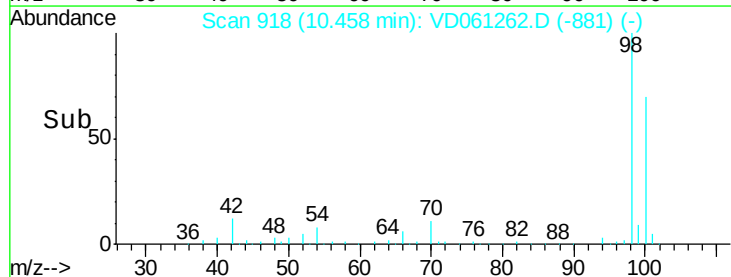
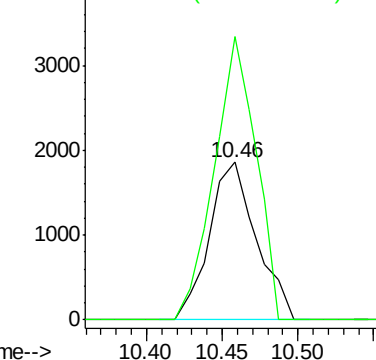


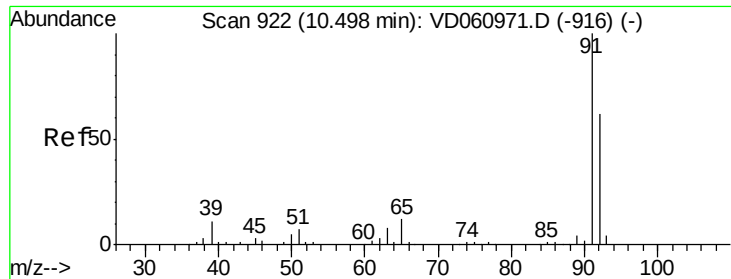
#51
4-Methyl-2-Pentanone
Concen: 1.166 ug/l
RT: 10.46 min Scan# 918
Delta R.T. 0.17 min
Lab File: VD061262.D
Acq: 22 Mar 2019 15:51

Tgt Ion: 43 Resp: 4030
Ion Ratio Lower Upper
43 100
58 179.5 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VD060971.D (-894) (-)
Ion 57.95 (57.65 to 58.65): VD060971.D (-894) (-)





#52

Toluene

Concen: 1.089 ug/l

RT: 10.56 min Scan# 928

Delta R.T. 0.06 min

Lab File: VD061262.D

Acq: 22 Mar 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

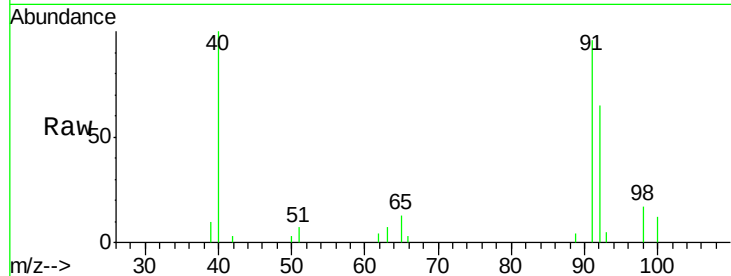
SP-1-B

Tot Ion: 92 Resp: 14685

Ion Ratio Lower Upper

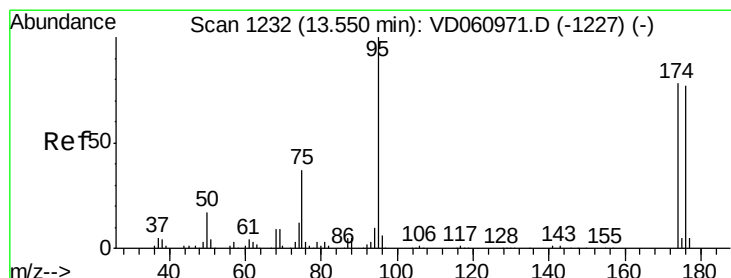
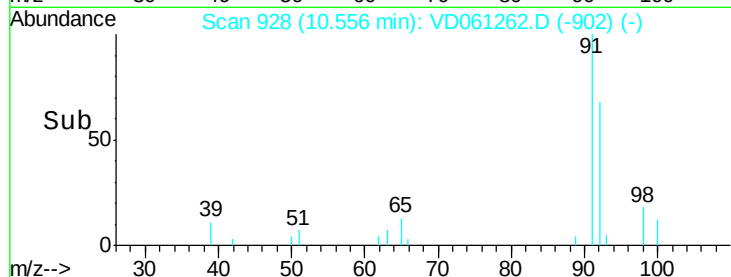
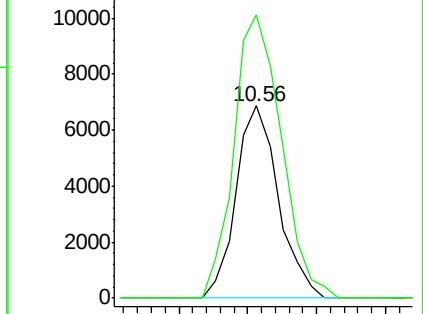
92 100

91 147.4 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.03 min

Lab File: VD061262.D

Acq: 22 Mar 2019 15:51

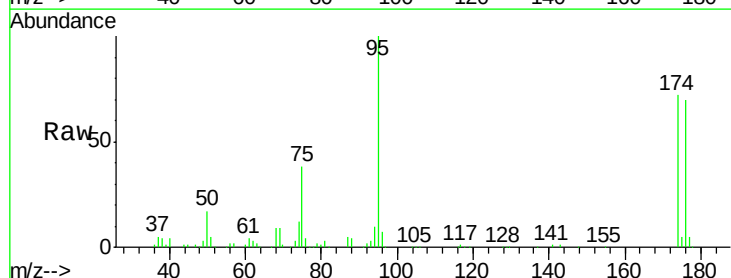
Tgt Ion: 95 Resp: 358571

Ion Ratio Lower Upper

95 100

174 71.9 0.0 155.6

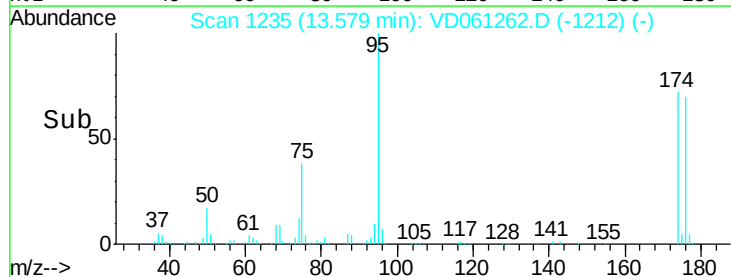
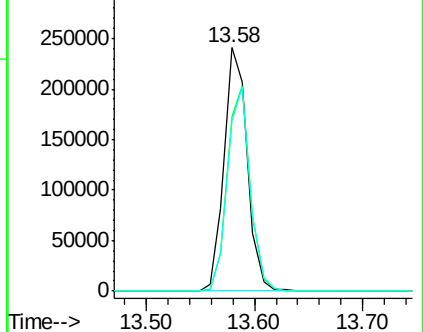
176 70.3 0.0 153.8

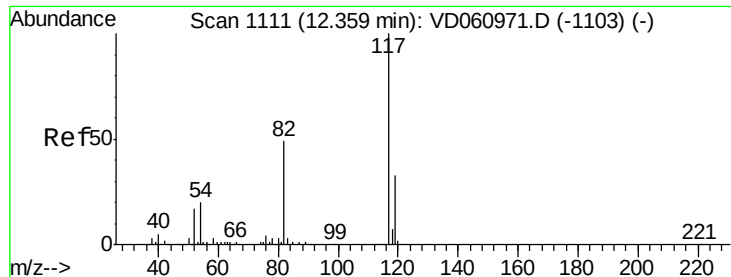


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

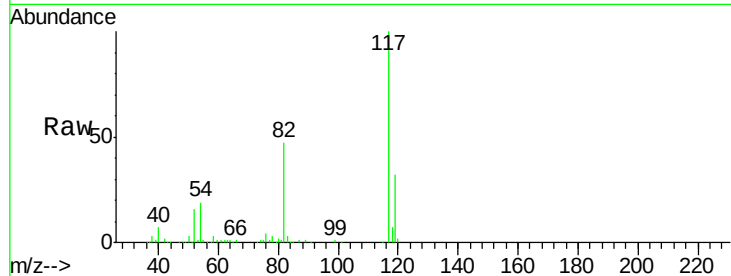




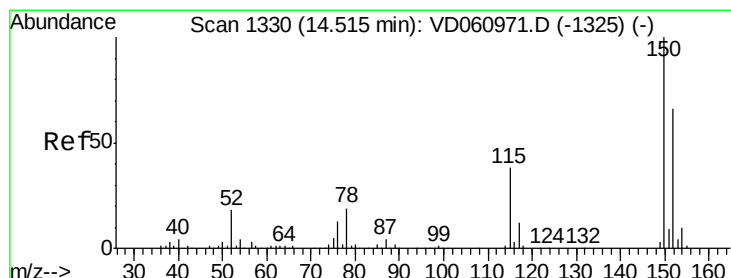
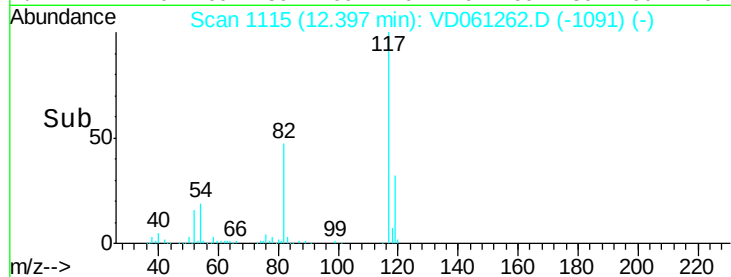
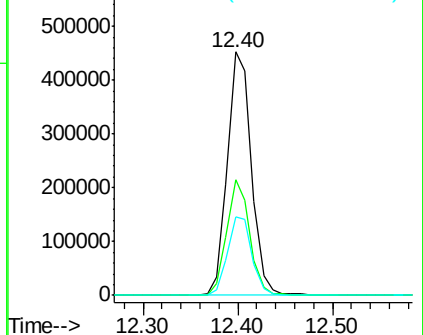
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.04 min
Lab File: VD061262.D
Acq: 22 Mar 2019 15:51

Instrument :
MSVOA_D
ClientSampled :
SP-1-B

Tot Ion:117 Resp: 795056
Ion Ratio Lower Upper
117 100
82 47.3 38.9 58.3
119 32.3 26.6 39.8

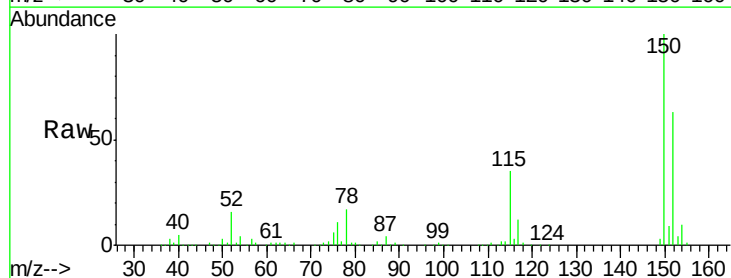


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

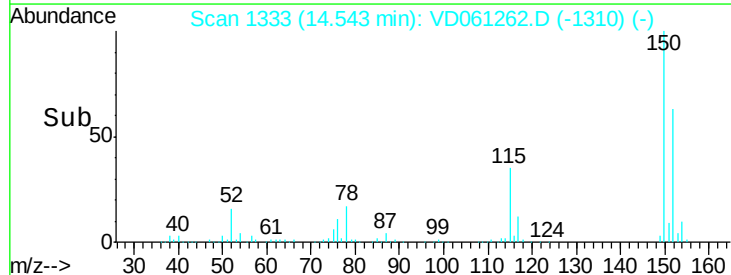
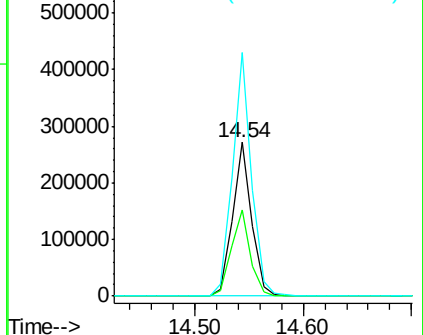


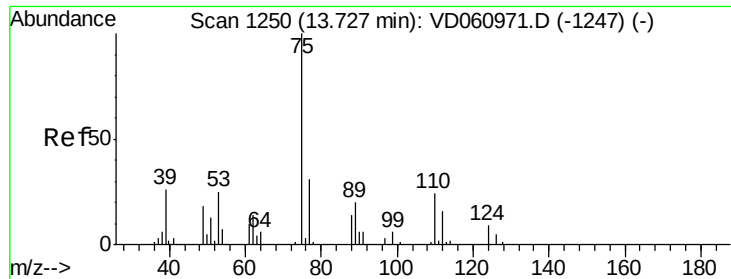
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.54 min Scan# 1333
Delta R.T. 0.03 min
Lab File: VD061262.D
Acq: 22 Mar 2019 15:51

Tgt Ion:152 Resp: 331808
Ion Ratio Lower Upper
152 100
115 56.2 28.6 85.9
150 158.3 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





#76

1,2,3-Trichloropropane

Concen: 27.398 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. -0.15 min

Lab File: VD061262.D

Acq: 22 Mar 2019 15:51

Instrument :

MSVOA_D

ClientSampled :

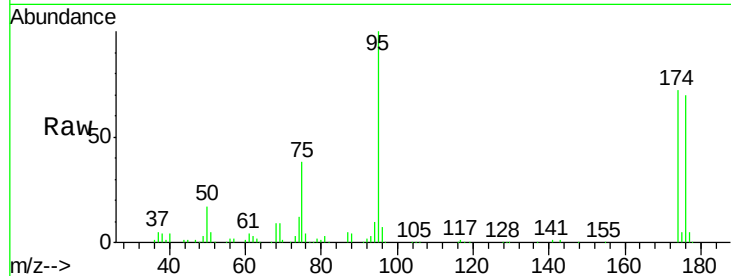
SP-1-B

Tot Ion: 75 Resp: 130791

Ion Ratio Lower Upper

75 100

77 1.2 16.6 49.7#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.58

100000

80000

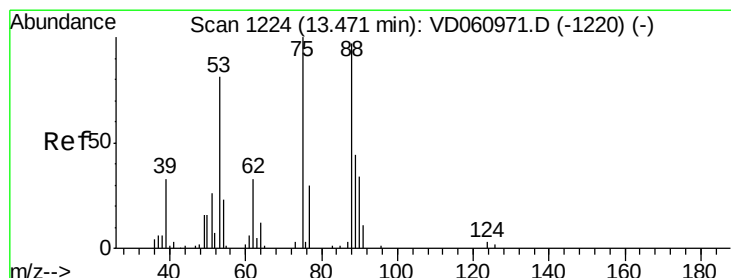
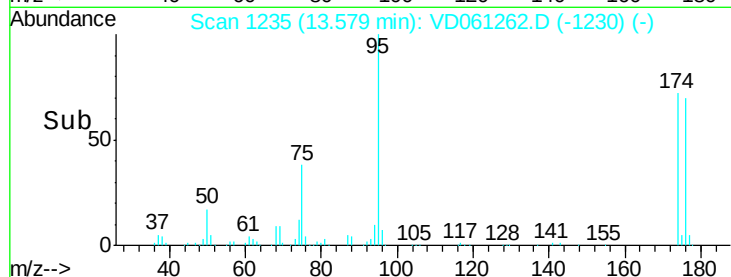
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 92.933 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.11 min

Lab File: VD061262.D

Acq: 22 Mar 2019 15:51

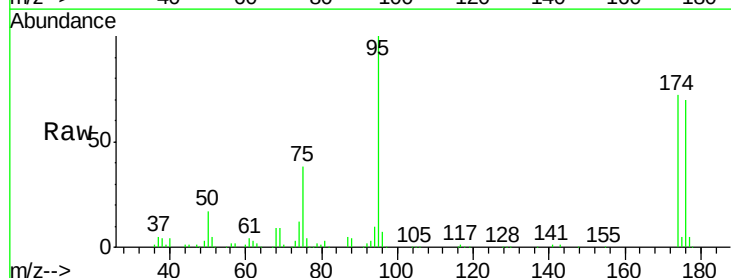
Tgt Ion: 75 Resp: 130791

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

13.58

120000

100000

80000

60000

40000

20000

0

Time-->

