

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
 Data File : VD061253.D
 Acq On : 22 Mar 2019 11:29
 Operator : VA/AP
 Sample : VD0322SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBL01

Quant Time: Mar 22 23:25:08 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	7.10	168	697562	50.00	ug/l	0.06
34) 1,4-Difluorobenzene	8.27	114	1154405	50.00	ug/l	0.06
63) Chlorobenzene-d5	12.40	117	900849	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	14.54	152	436646	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	295859	50.95	ug/l	0.06
Spiked Amount 50.000			Recovery	=	101.90%	
35) Dibromofluoromethane	6.98	113	452985	52.87	ug/l	0.06
Spiked Amount 50.000			Recovery	=	105.74%	
50) Toluene-d8	10.46	98	988815	45.96	ug/l	0.06
Spiked Amount 50.000			Recovery	=	91.92%	
62) 4-Bromofluorobenzene	13.58	95	418973	50.19	ug/l	0.03
Spiked Amount 50.000			Recovery	=	100.38%	

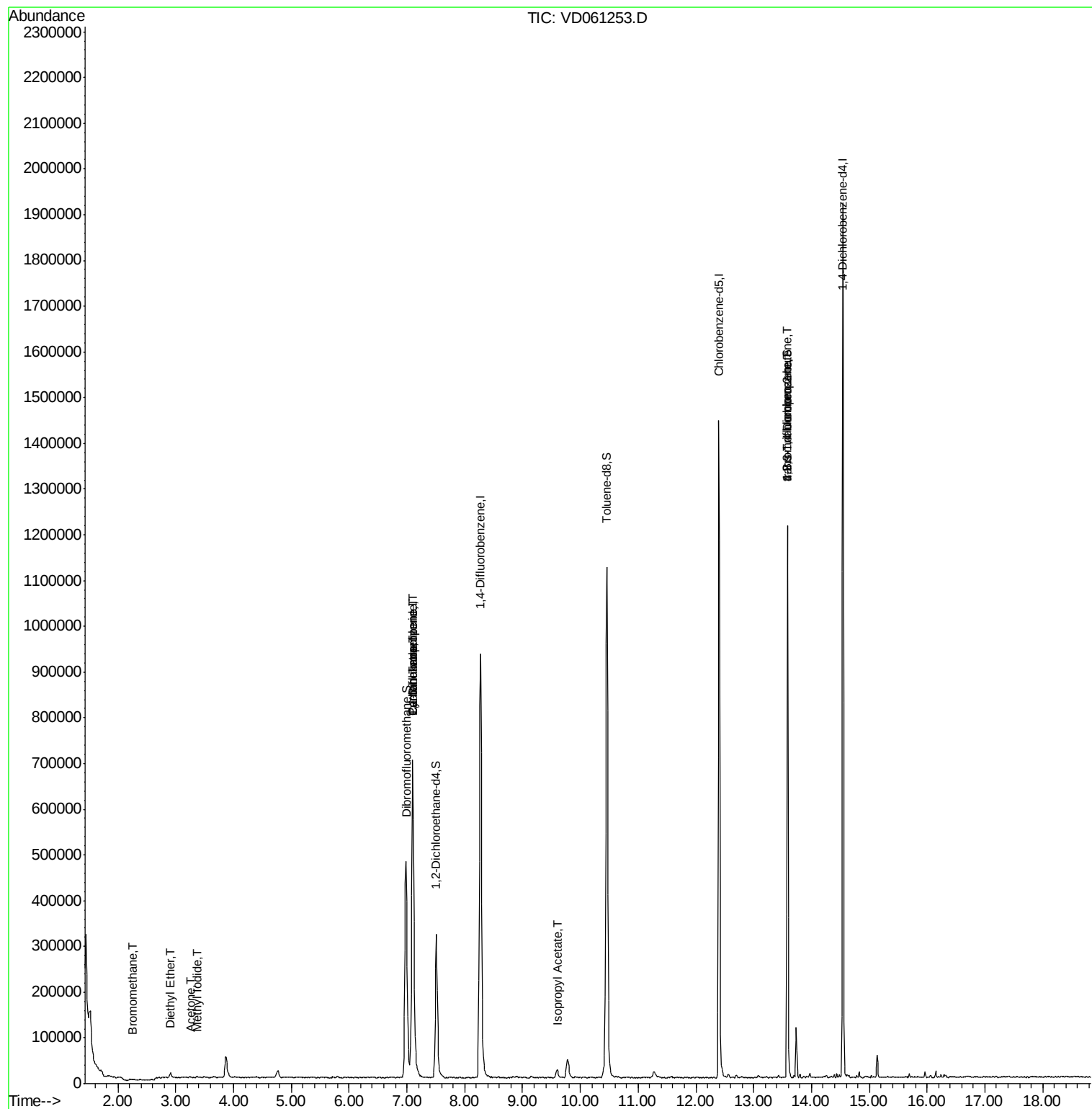
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.24	94	2062	1.155	ug/l #	8
8) Diethyl Ether	2.91	74	4100	1.627	ug/l	75
10) Methyl Iodide	3.36	142	3135	3.185	ug/l #	82
16) Acetone	3.26	43	3137	1.889	ug/l #	48
31) Cyclohexane	7.10	56	12937	1.259	ug/l #	1
36) 1,1-Dichloropropene	7.10	75	49198	4.944	ug/l #	47
38) Carbon Tetrachloride	7.10	117	70159	6.401	ug/l #	14
43) Isopropyl Acetate	9.59	43	14501	2.242	ug/l #	43
76) 1,2,3-Trichloropropane	13.58	75	153565	24.445	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.58	75	153527	82.896	ug/l #	17

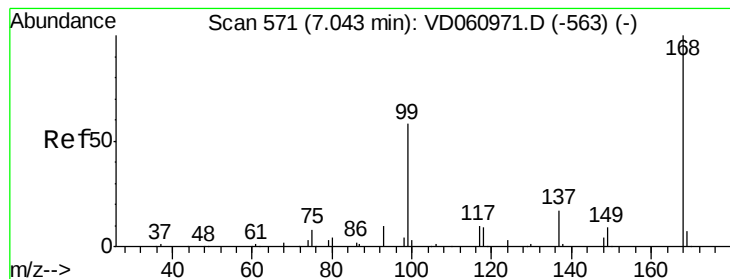
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061253.D
Acq On : 22 Mar 2019 11:29
Operator : VA/AP
Sample : VD0322SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0322SBL01

Quant Time: Mar 22 23:25:08 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: 7.10 min Scan# 577

Delta R.T. 0.06 min

Lab File: VD061253.D

Acq: 22 Mar 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

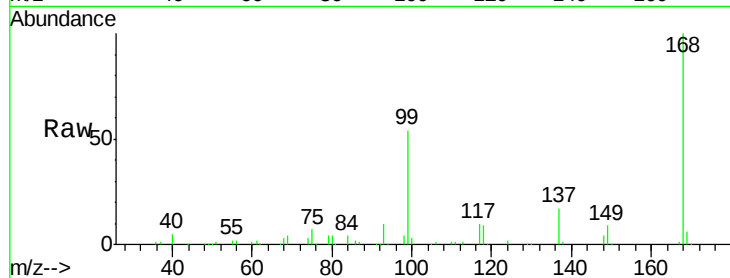
VD0322SBL01

Tot Ion:168 Resp: 697562

Ion Ratio Lower Upper

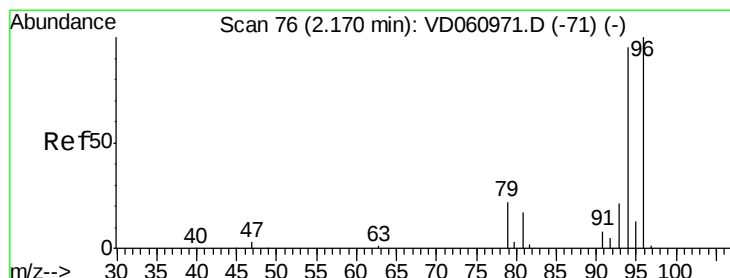
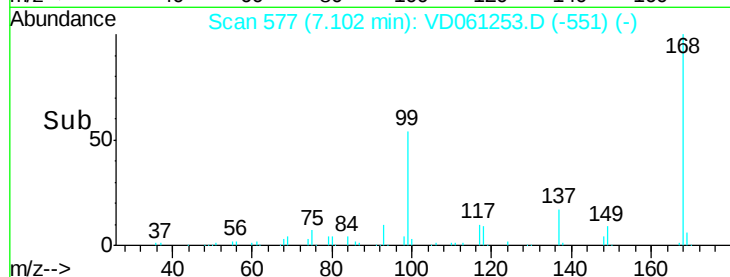
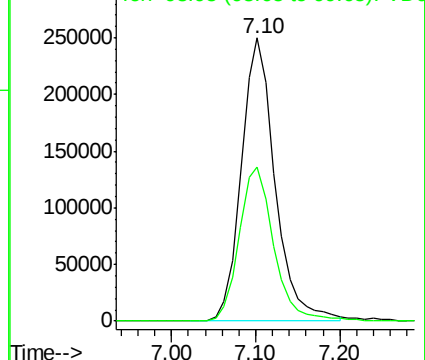
168 100

99 54.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.155 ug/l

RT: 2.24 min Scan# 83

Delta R.T. 0.07 min

Lab File: VD061253.D

Acq: 22 Mar 2019 11:29

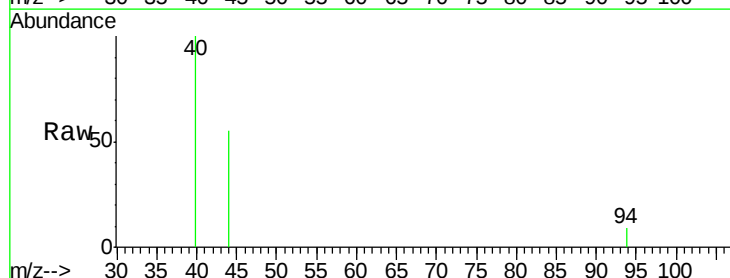
Tgt Ion: 94 Resp: 2062

Ion Ratio Lower Upper

94 100

96 0.0 84.0 126.0#

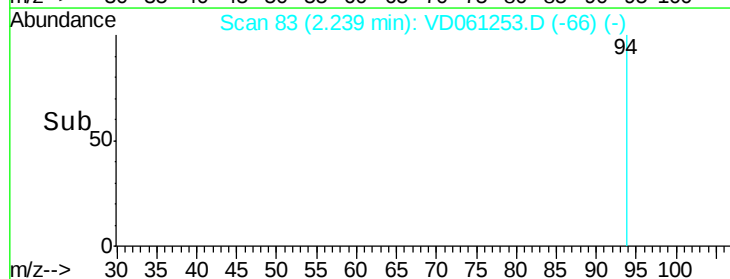
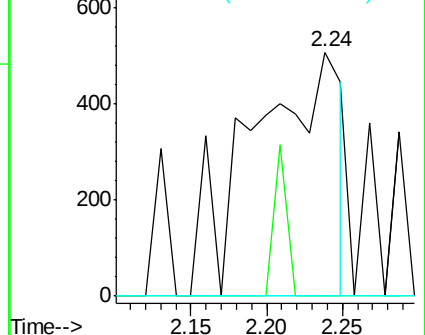
93 0.0 17.3 25.9#

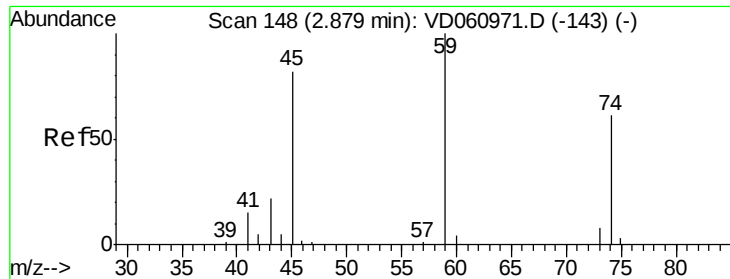


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#8

Diethyl Ether

Concen: 1.627 ug/l

RT: 2.91 min Scan# 151

Delta R.T. 0.03 min

Lab File: VD061253.D

Acq: 22 Mar 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

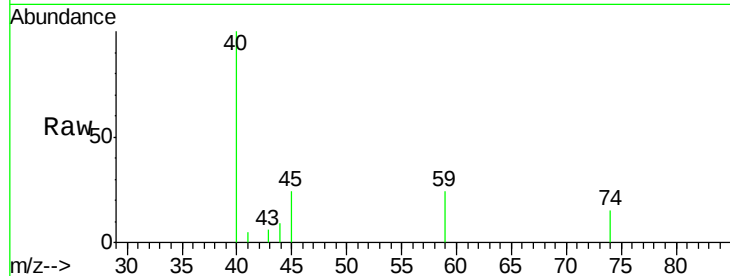
VD0322SBL01

Tot Ion: 74 Resp: 4100

Ion Ratio Lower Upper

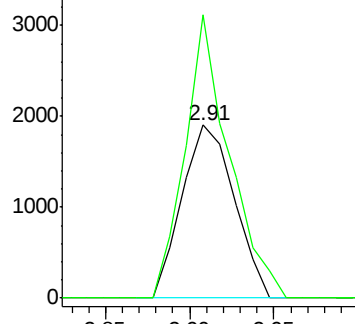
74 100

45 163.4 67.0 201.1

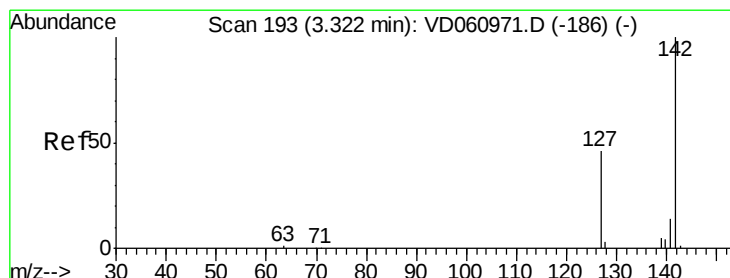
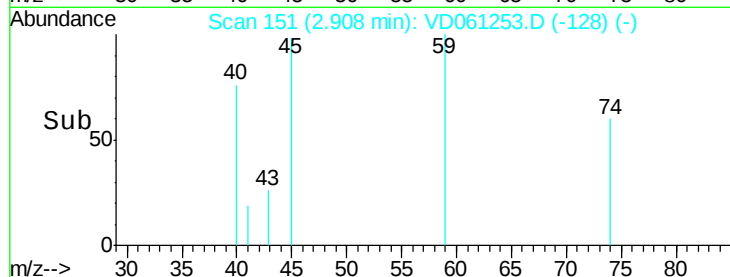


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



Time-->



#10

Methyl Iodide

Concen: 3.185 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.04 min

Lab File: VD061253.D

Acq: 22 Mar 2019 11:29

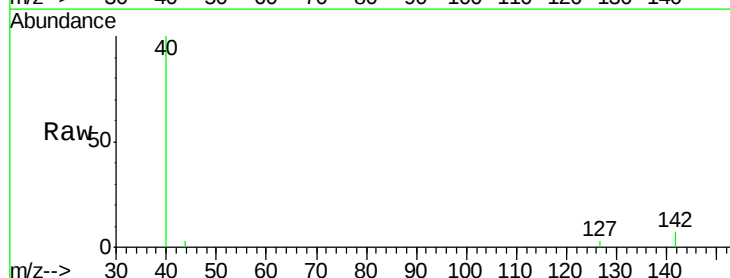
Tgt Ion: 142 Resp: 3135

Ion Ratio Lower Upper

142 100

127 37.1 36.8 55.2

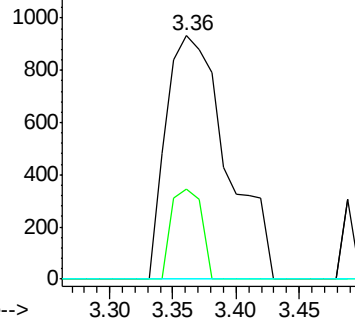
141 0.0 11.2 16.8#



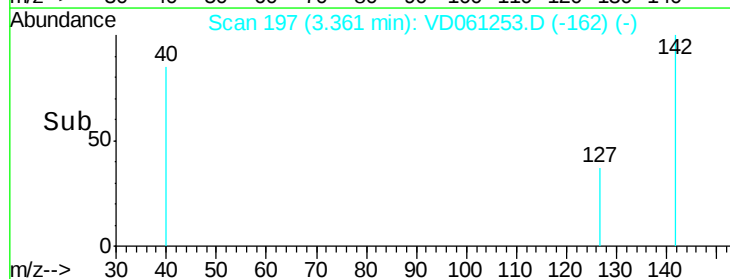
Abundance Ion 141.85 (141.55 to 142.55): V

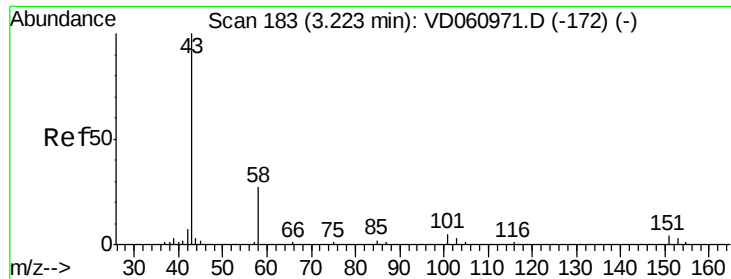
Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



Time-->





#16

Acetone

Concen: 1.889 ug/l

RT: 3.26 min Scan# 187

Delta R.T. 0.04 min

Lab File: VD061253.D

Acq: 22 Mar 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

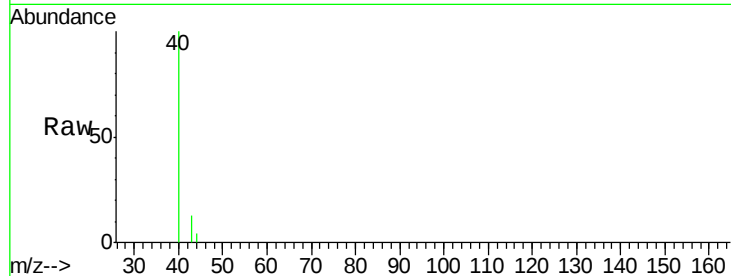
VD0322SBL01

Tot Ion: 43 Resp: 3137

Ion Ratio Lower Upper

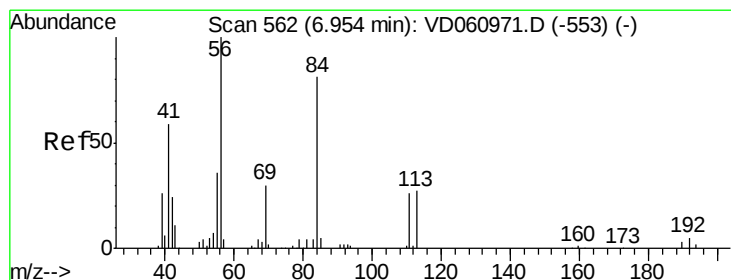
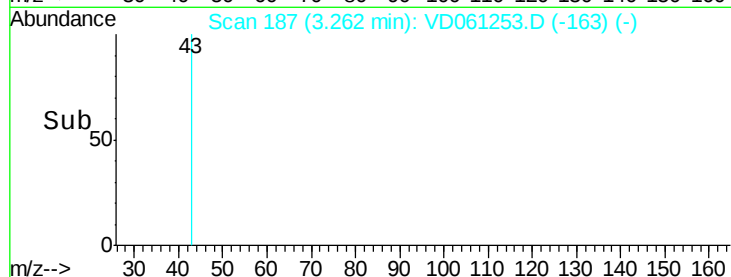
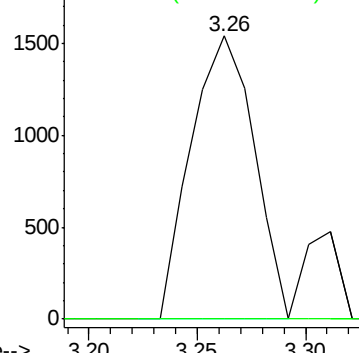
43 100

58 0.0 21.6 32.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#31

Cyclohexane

Concen: 1.259 ug/l

RT: 7.10 min Scan# 577

Delta R.T. 0.15 min

Lab File: VD061253.D

Acq: 22 Mar 2019 11:29

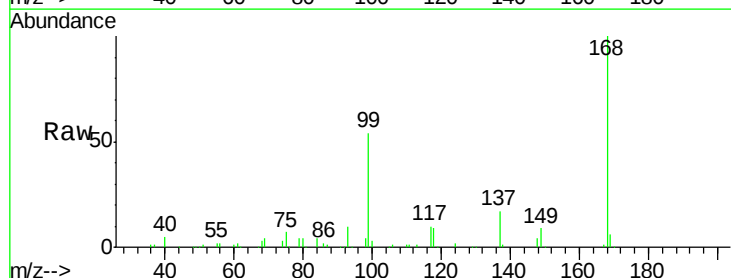
Tgt Ion: 56 Resp: 12937

Ion Ratio Lower Upper

56 100

69 233.9 24.0 36.0#

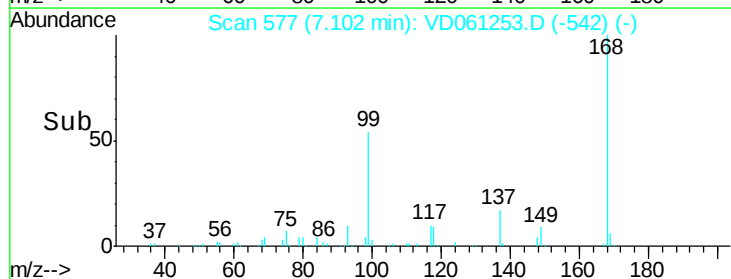
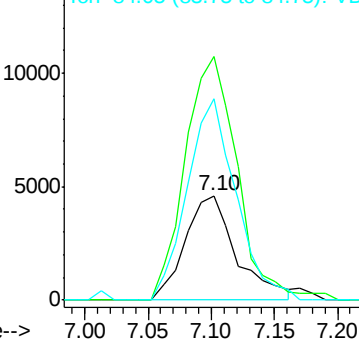
84 193.0 65.8 98.6#

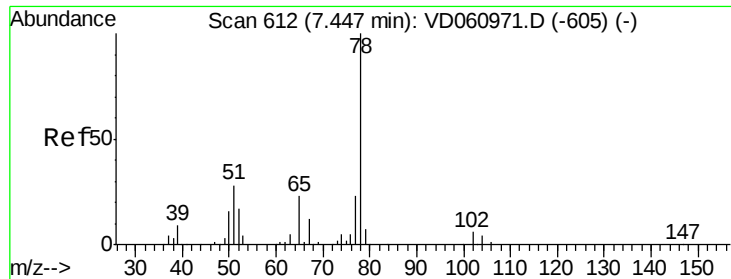


Abundance Ion 55.95 (55.65 to 56.65): VDC

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# 618

Delta R.T. 0.06 min

Lab File: VD061253.D

Acq: 22 Mar 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

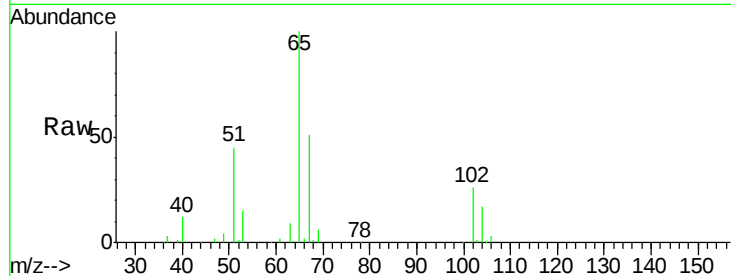
VD0322SBL01

Tot Ion: 65 Resp: 295859

Ion Ratio Lower Upper

65 100

67 51.0 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.51

120000

100000

80000

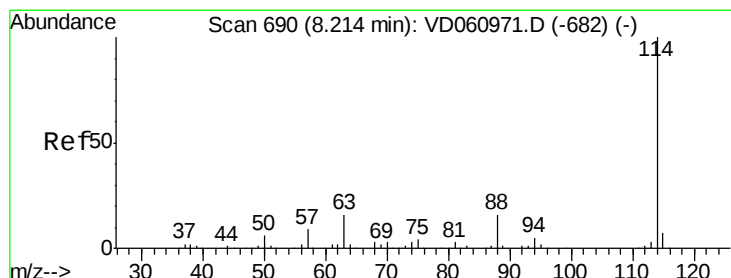
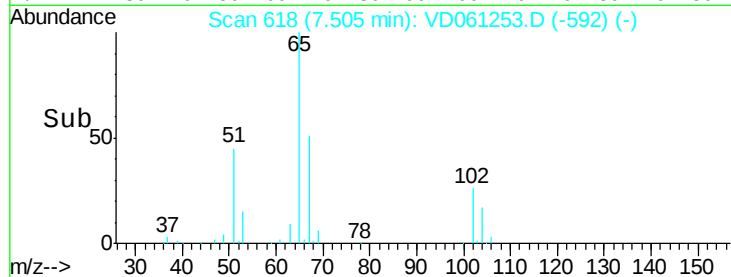
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.27 min Scan# 696

Delta R.T. 0.06 min

Lab File: VD061253.D

Acq: 22 Mar 2019 11:29

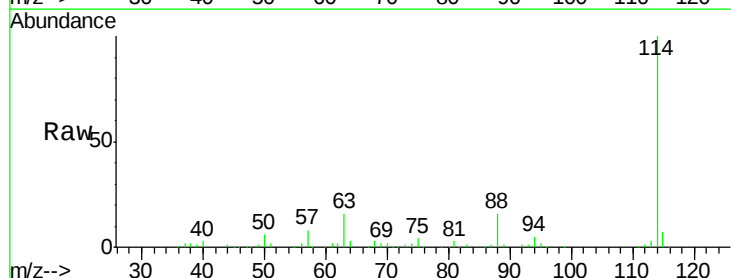
Tgt Ion:114 Resp: 1154405

Ion Ratio Lower Upper

114 100

63 16.4 0.0 31.4

88 16.3 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

600000

500000

400000

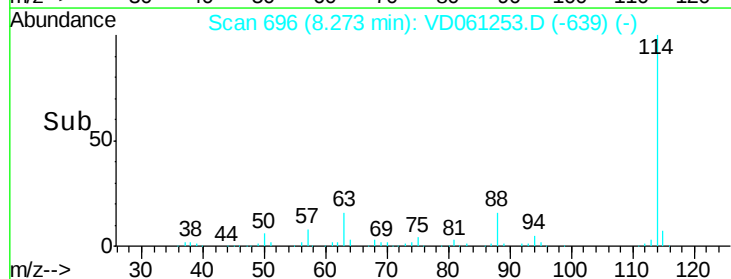
300000

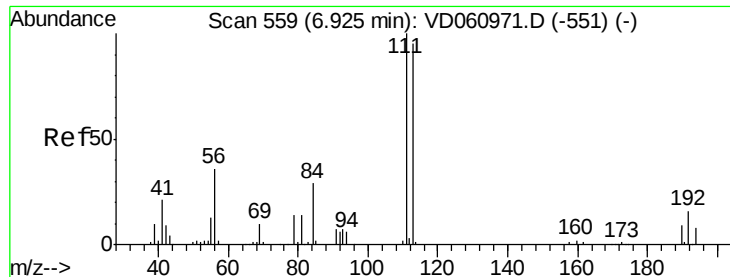
200000

100000

0

Time-->

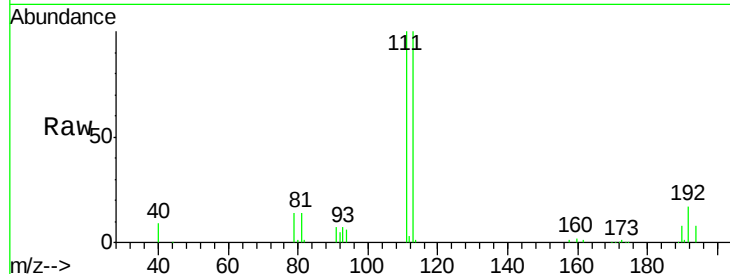




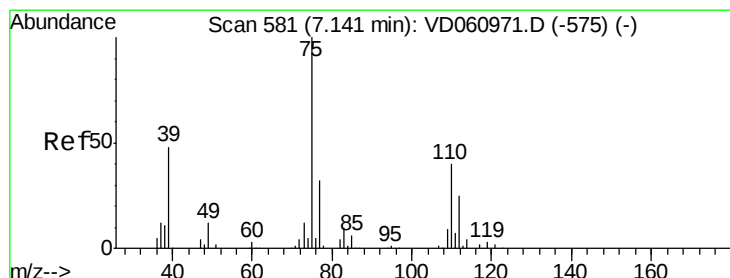
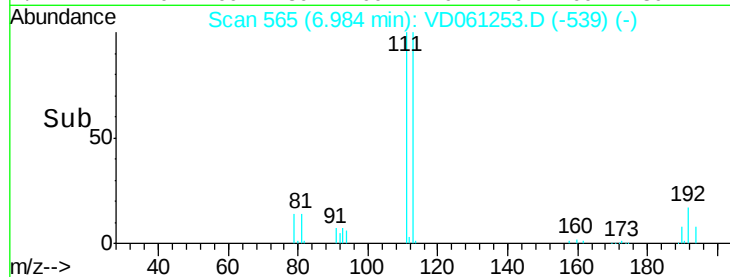
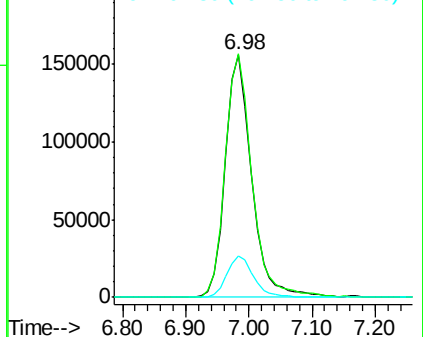
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.98 min Scan# 565
 Delta R.T. 0.06 min
 Lab File: VD061253.D
 Acq: 22 Mar 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBL01

Tot Ion:113 Resp: 452985
 Ion Ratio Lower Upper
 113 100
 111 100.5 84.2 126.4
 192 17.3 13.1 19.7

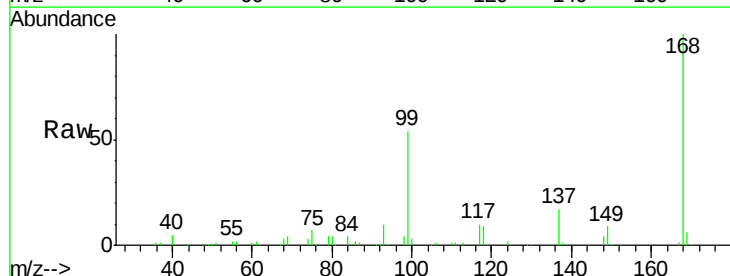


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

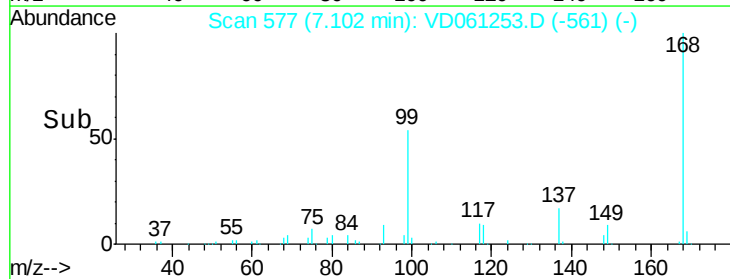
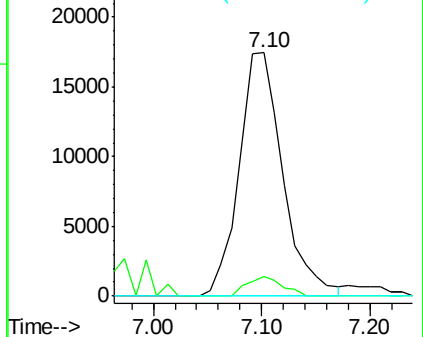


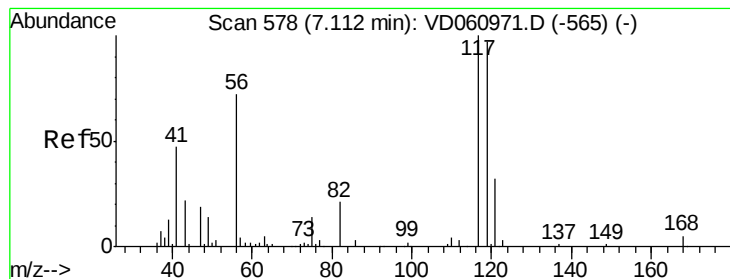
#36
 1,1-Dichloropropene
 Concen: 4.944 ug/l
 RT: 7.10 min Scan# 577
 Delta R.T. -0.04 min
 Lab File: VD061253.D
 Acq: 22 Mar 2019 11:29

Tgt Ion: 75 Resp: 49198
 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): V
 Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.401 ug/l

RT: 7.10 min Scan# 577

Delta R.T. -0.01 min

Lab File: VD061253.D

Acq: 22 Mar 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD0322SBL01

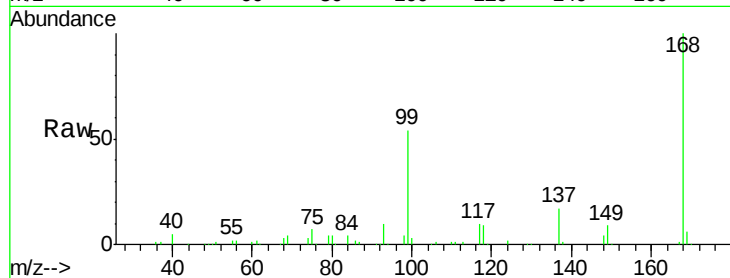
Tot Ion:117 Resp: 70159

Ion Ratio Lower Upper

117 100

119 2.9 77.8 116.8#

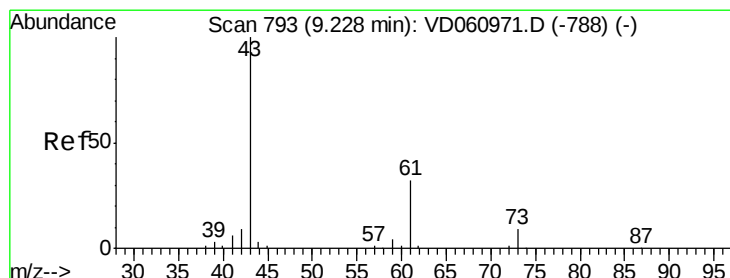
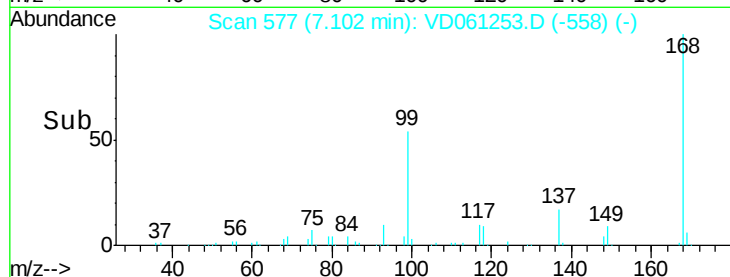
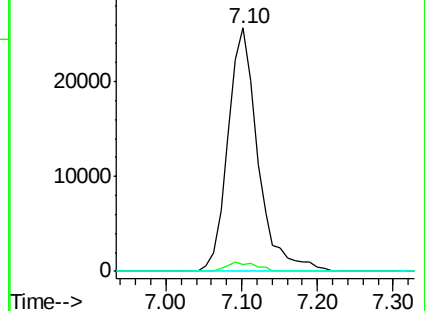
121 0.0 25.3 37.9#



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: 2.242 ug/l

RT: 9.59 min Scan# 830

Delta R.T. 0.36 min

Lab File: VD061253.D

Acq: 22 Mar 2019 11:29

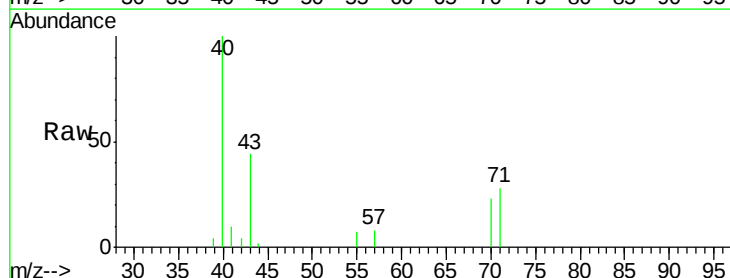
Tgt Ion: 43 Resp: 14501

Ion Ratio Lower Upper

43 100

61 0.0 25.6 38.4#

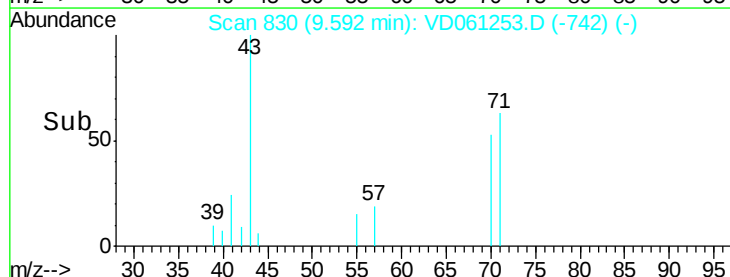
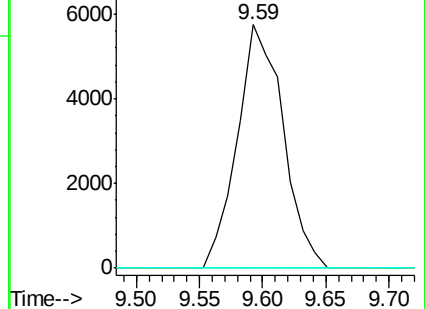
87 0.0 0.2 0.4#

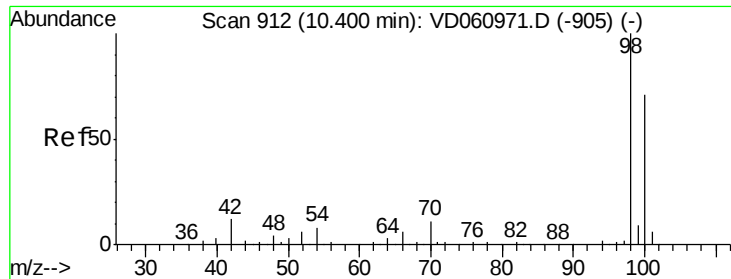


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 10.46 min Scan# 918

Delta R.T. 0.06 min

Lab File: VD061253.D

Acq: 22 Mar 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

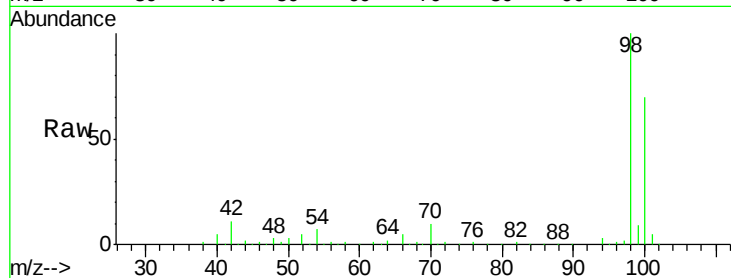
VD0322SBL01

Tot Ion: 98 Resp: 988815

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) (-)

10.46

400000

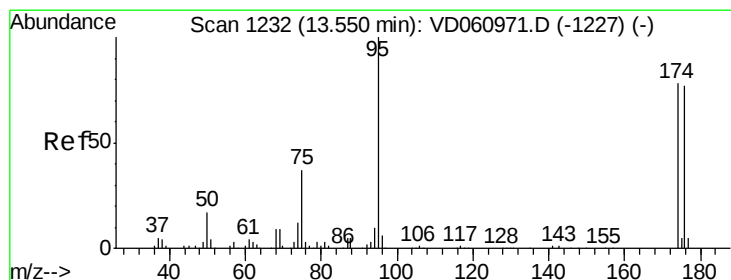
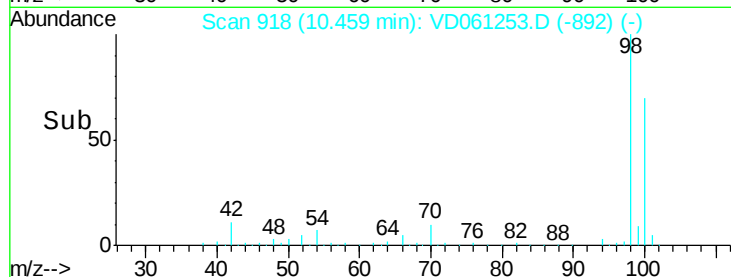
300000

200000

100000

0

Time--> 10.30 10.40 10.50 10.60



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.03 min

Lab File: VD061253.D

Acq: 22 Mar 2019 11:29

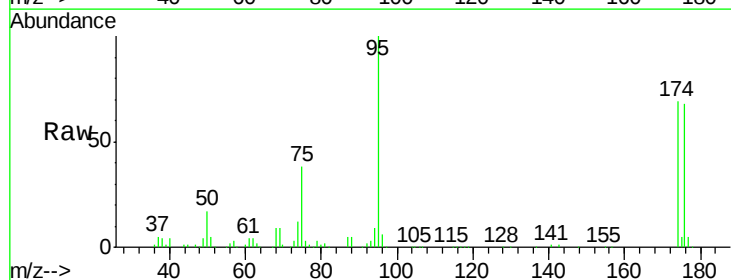
Tgt Ion: 95 Resp: 418973

Ion Ratio Lower Upper

95 100

174 68.8 0.0 155.6

176 67.7 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): VD060971.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD060971.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD060971.D (-1227) (-)

13.58

400000

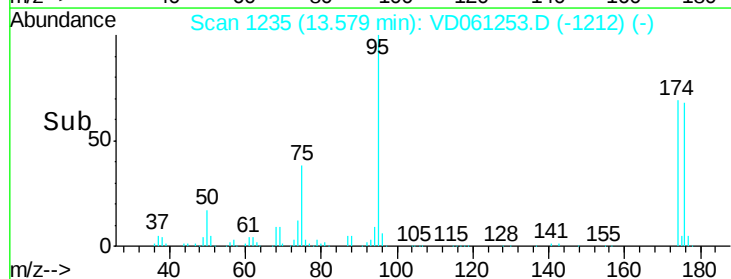
300000

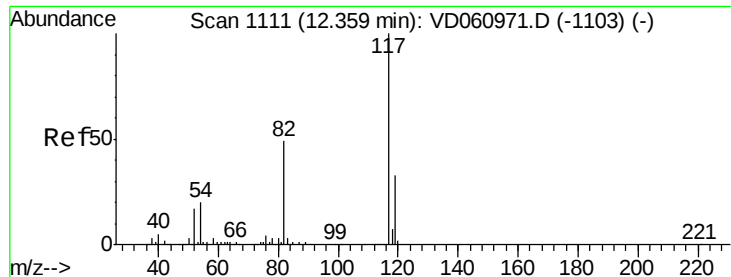
200000

100000

0

Time--> 13.50 13.60

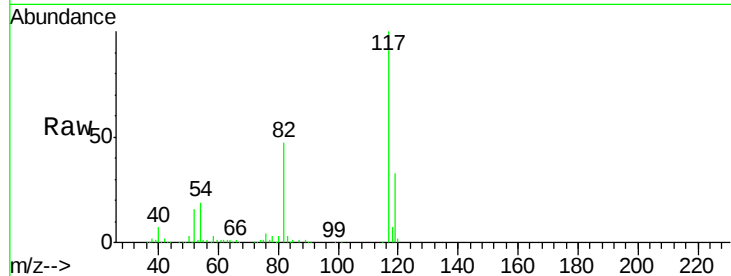




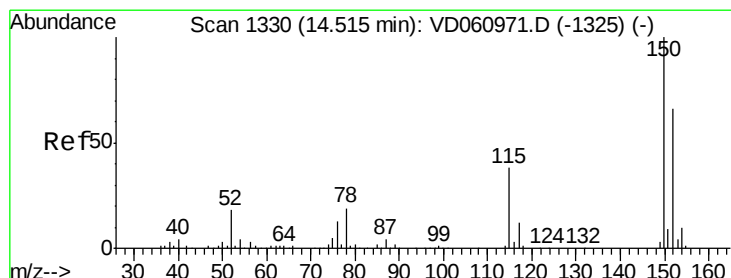
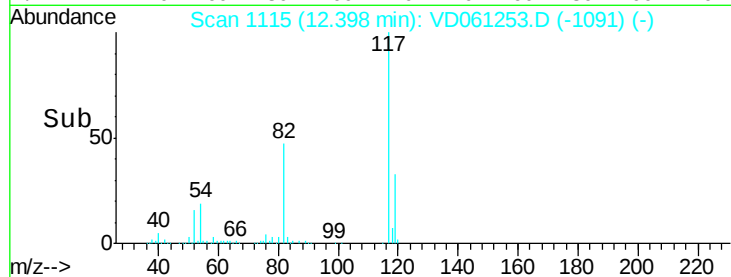
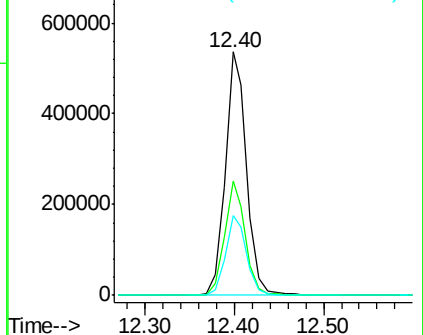
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.04 min
Lab File: VD061253.D
Acq: 22 Mar 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD0322SBL01

Tot Ion:117 Resp: 900849
Ion Ratio Lower Upper
117 100
82 46.9 38.9 58.3
119 33.0 26.6 39.8

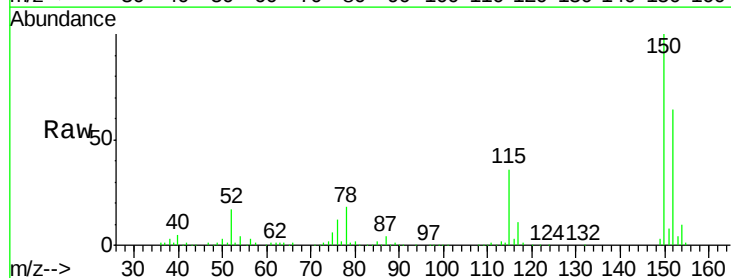


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

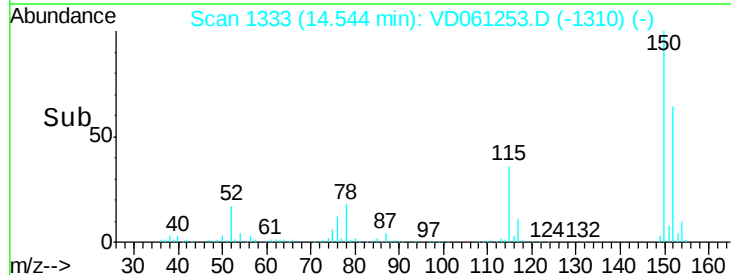
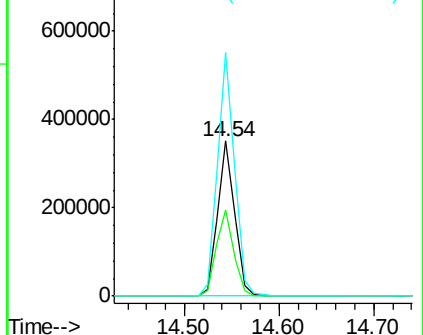


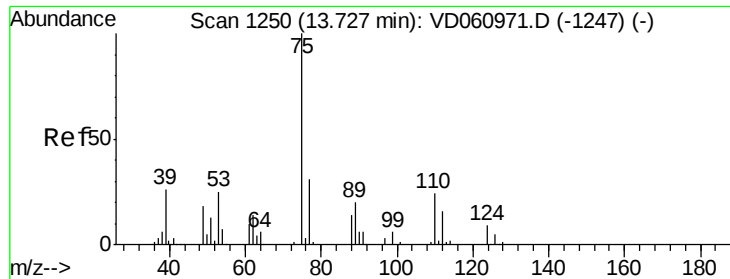
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.54 min Scan# 1333
Delta R.T. 0.03 min
Lab File: VD061253.D
Acq: 22 Mar 2019 11:29

Tgt Ion:152 Resp: 436646
Ion Ratio Lower Upper
152 100
115 55.9 28.6 85.9
150 157.0 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

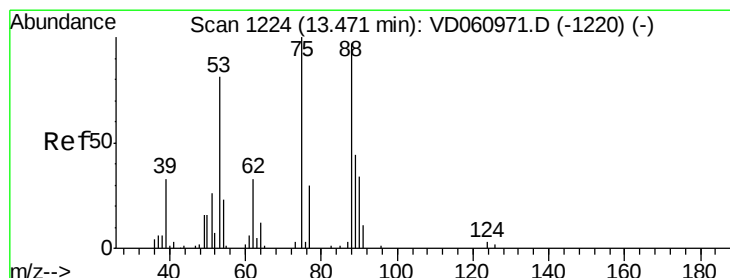
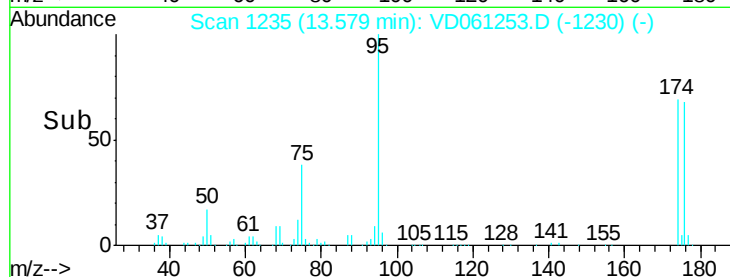
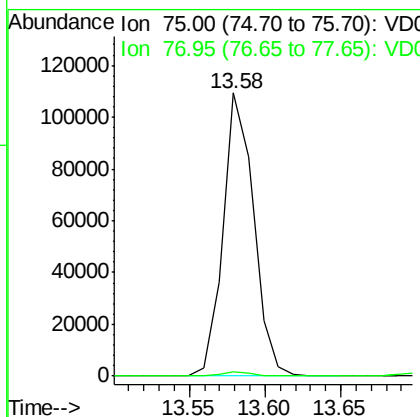
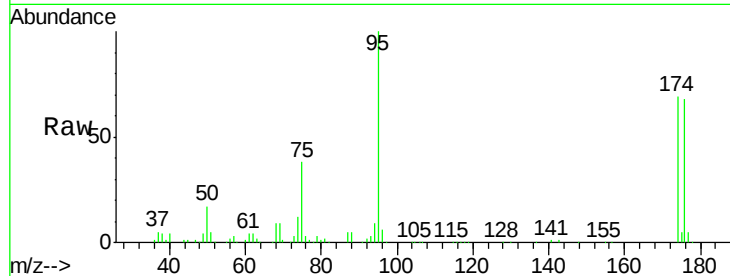




#76
 1,2,3-Trichloropropane
 Concen: 24.445 ug/l
 RT: 13.58 min Scan# 1235
 Delta R.T. -0.15 min
 Lab File: VD061253.D
 Acq: 22 Mar 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0322SBL01

Tot Ion: 75 Resp: 153565
 Ion Ratio Lower Upper
 75 100
 77 1.3 16.6 49.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.896 ug/l
 RT: 13.58 min Scan# 1235
 Delta R.T. 0.11 min
 Lab File: VD061253.D
 Acq: 22 Mar 2019 11:29

Tgt Ion: 75 Resp: 153527
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.0 34.8 52.2#

