

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD042319\
 Data File : VD061972.D
 Acq On : 23 Apr 2019 16:00
 Operator : VA/AP
 Sample : VD0423SBL01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBL01

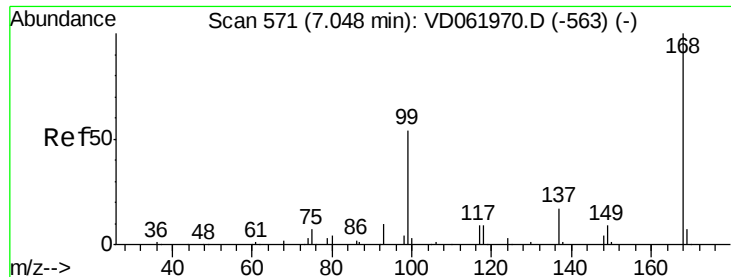
Quant Time: Apr 23 16:25:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	673321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	999691	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	827846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	412762	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	264610	50.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.42%	
35) Dibromofluoromethane	6.92	113	399130	57.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.46%	
50) Toluene-d8	10.41	98	855621	52.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.02%	
62) 4-Bromofluorobenzene	13.56	95	374692	56.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	305	Below Cal	#	12
10) Methyl Iodide	3.31	142	1826	5.594	ug/l #	37
16) Acetone	3.22	43	2084	1.656	ug/l #	50
20) Methylene Chloride	3.81	84	8818	Below Cal	#	89
31) Cyclohexane	7.03	56	11119	1.417	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	46778	6.006	ug/l #	46
38) Carbon Tetrachloride	7.04	117	64887	6.574	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.56	75	138961	87.487	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061972.D

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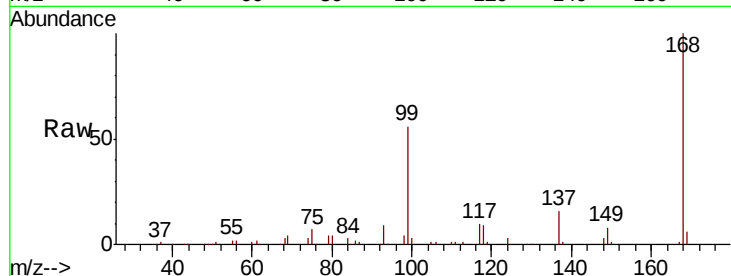
VD0423SBL01

Tgt Ion:168 Resp: 673321

Ion Ratio Lower Upper

168 100

99 55.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

250000

200000

150000

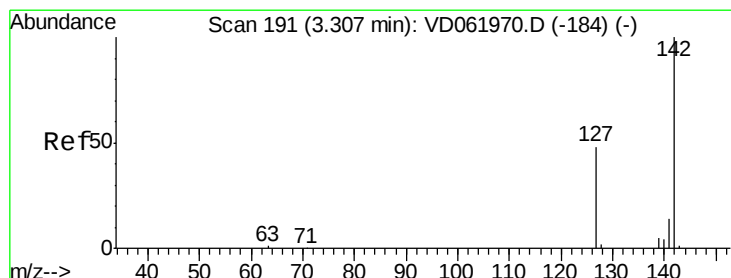
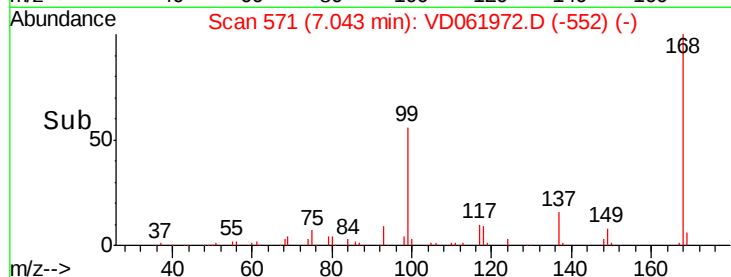
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 5.594 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061972.D

Acq: 23 Apr 2019 16:00

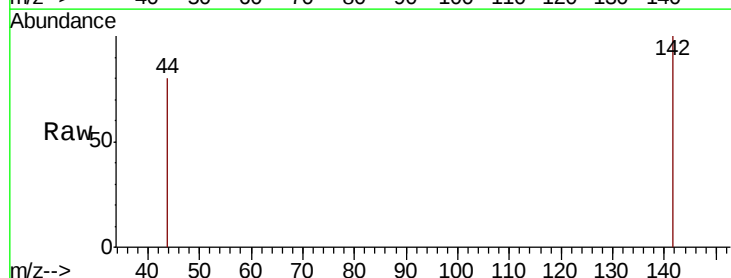
Tgt Ion:142 Resp: 1826

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

141 0.0 11.4 17.0#



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

800

600

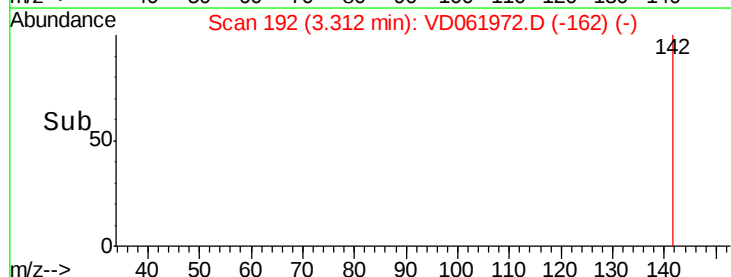
400

200

0

3.25 3.30 3.35

Time-->





#16

Acetone

Concen: 1.656 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061972.D

Acq: 23 Apr 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

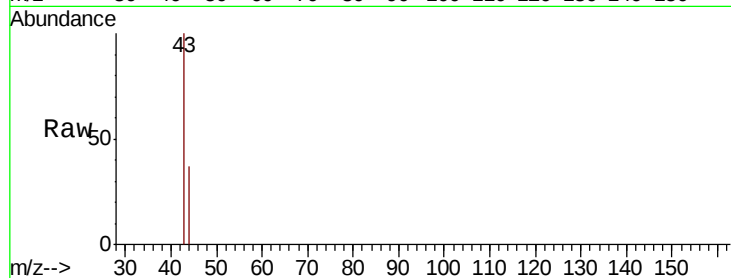
VD0423SBL01

Tgt Ion: 43 Resp: 2084

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

1200

1000

800

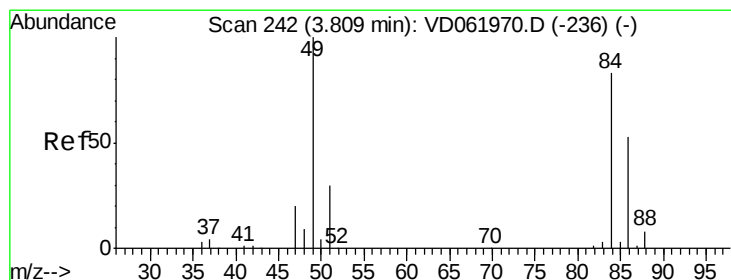
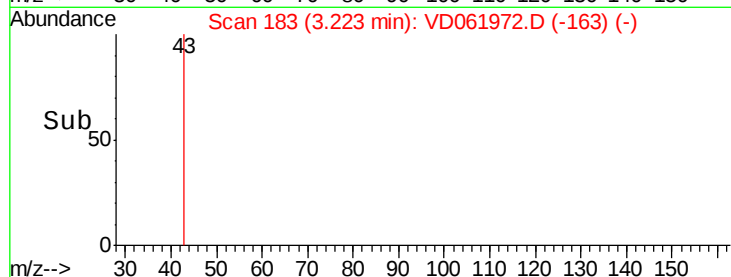
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD061972.D

Acq: 23 Apr 2019 16:00

Tgt Ion: 84 Resp: 8818

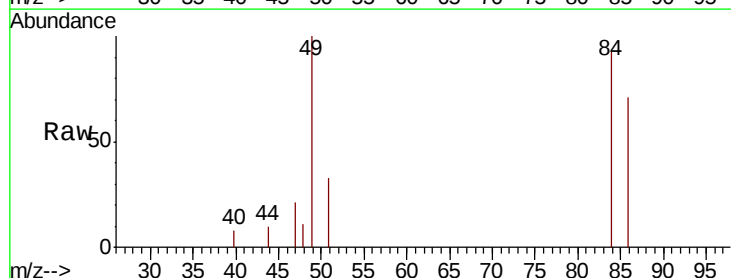
Ion Ratio Lower Upper

84 100

49 107.3 94.0 141.0

51 35.3 29.0 43.4

86 76.6 49.8 74.6#



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

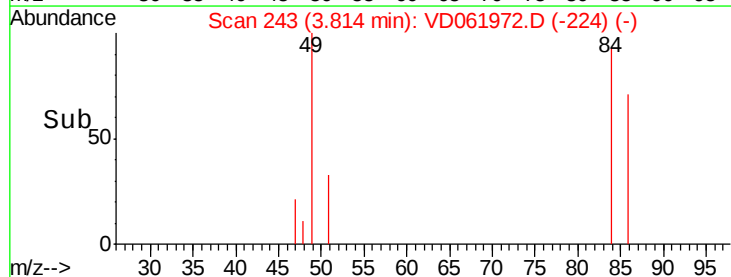
6000

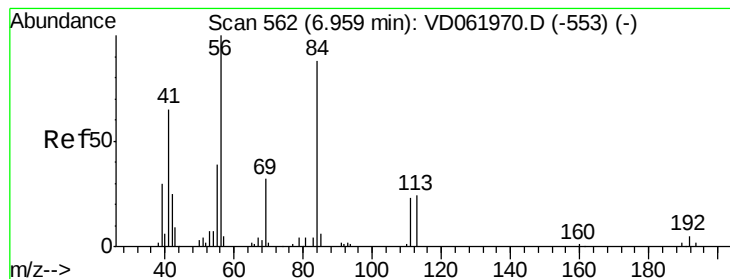
4000

2000

0

Time-->





#31

Cyclohexane

Concen: 1.417 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD061972.D

Acq: 23 Apr 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBL01

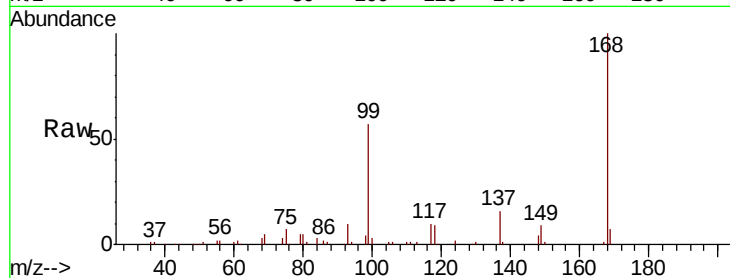
Tgt Ion: 56 Resp: 11119

Ion Ratio Lower Upper

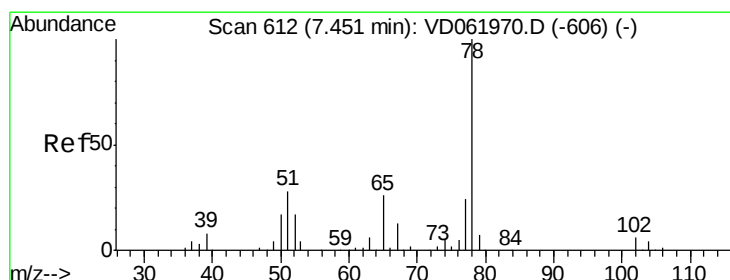
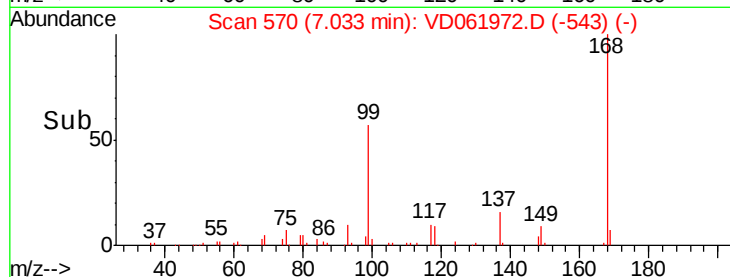
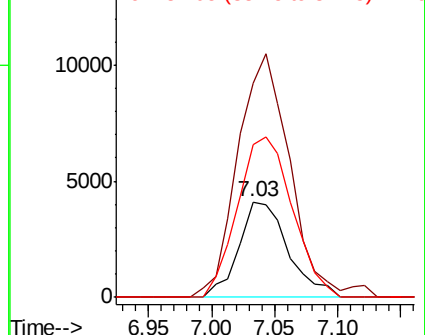
56 100

69 225.4 25.8 38.6#

84 160.0 72.2 108.4#



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: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061972.D

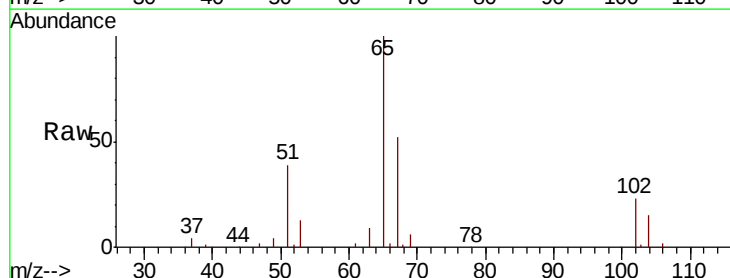
Acq: 23 Apr 2019 16:00

Tgt Ion: 65 Resp: 264610

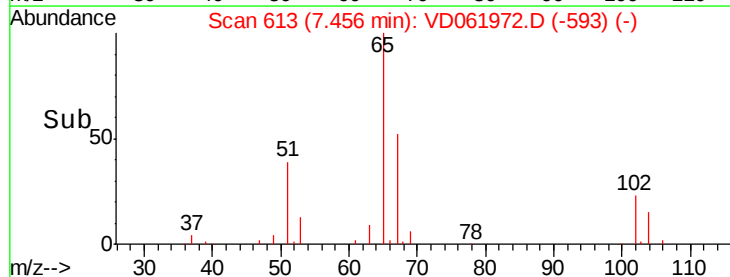
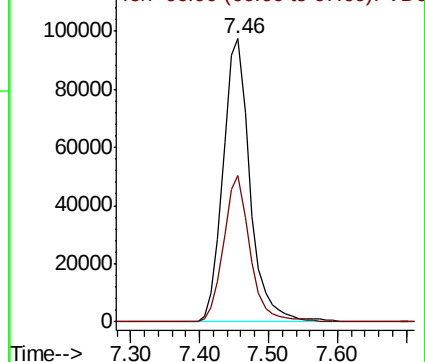
Ion Ratio Lower Upper

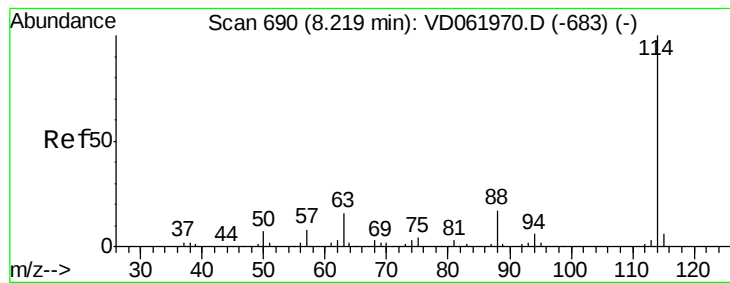
65 100

67 51.6 0.0 98.0



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# 691

Delta R.T. 0.00 min

Lab File: VD061972.D

Acq: 23 Apr 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBL01

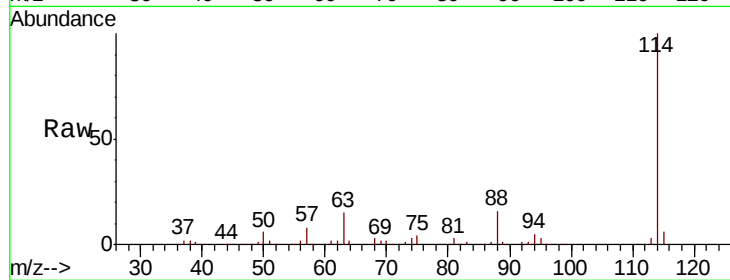
Tgt Ion:114 Resp: 999691

Ion Ratio Lower Upper

114 100

63 15.5 0.0 32.4

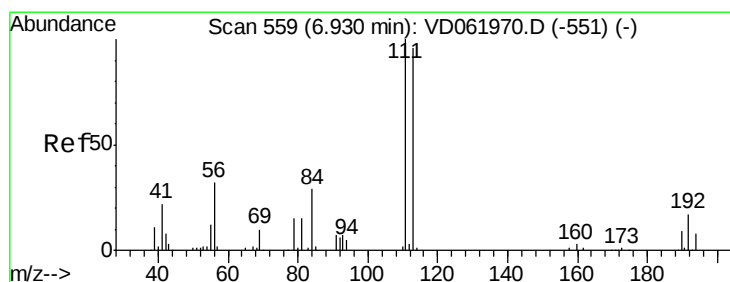
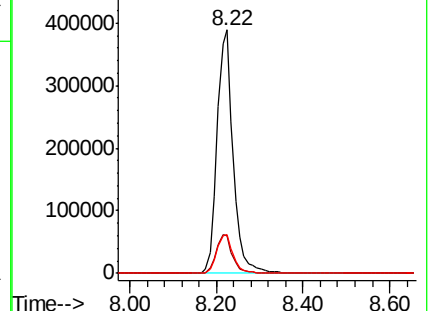
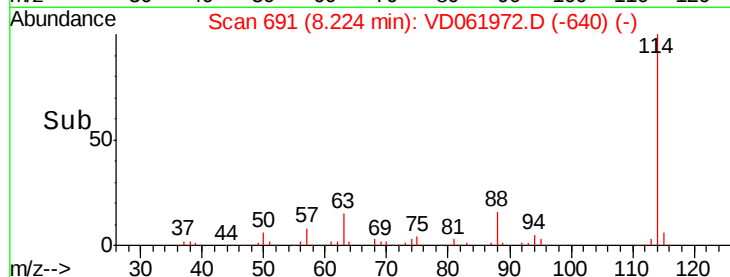
88 16.1 0.0 33.6



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: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061972.D

Acq: 23 Apr 2019 16:00

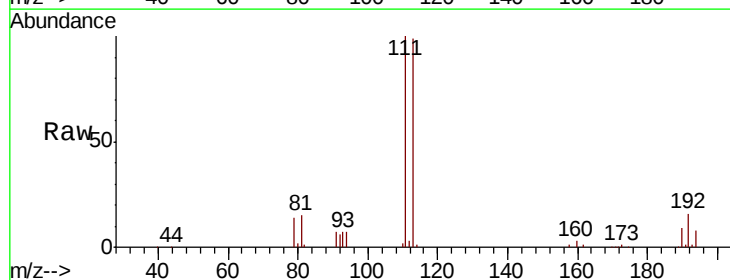
Tgt Ion:113 Resp: 399130

Ion Ratio Lower Upper

113 100

111 101.3 78.5 117.7

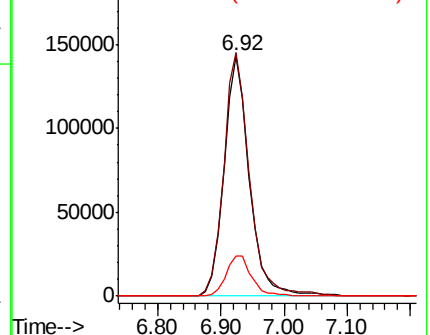
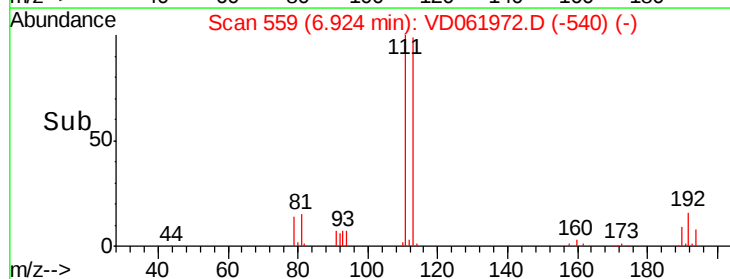
192 16.6 13.0 19.4

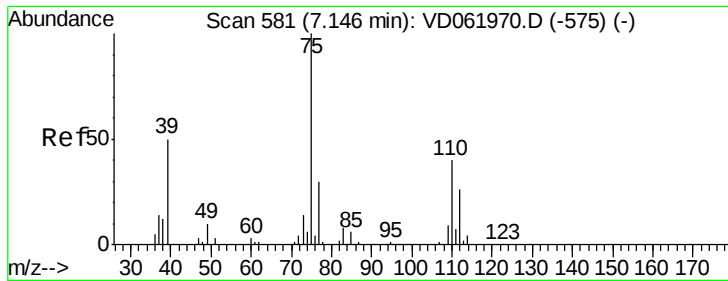


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.006 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.11 min

Lab File: VD061972.D

Acq: 23 Apr 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBL01

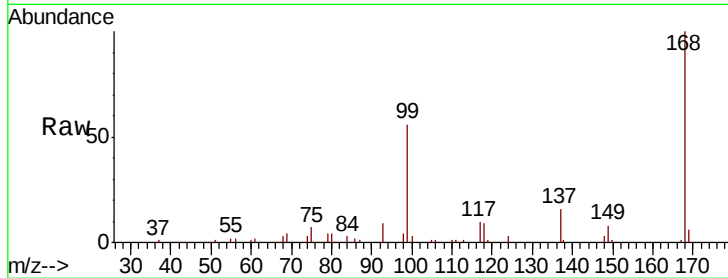
Tgt Ion: 75 Resp: 46778

Ion Ratio Lower Upper

75 100

110 7.0 19.1 57.1#

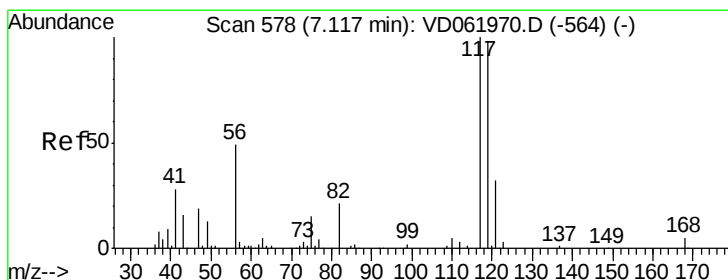
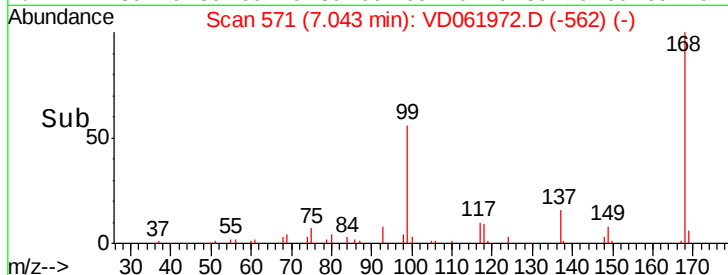
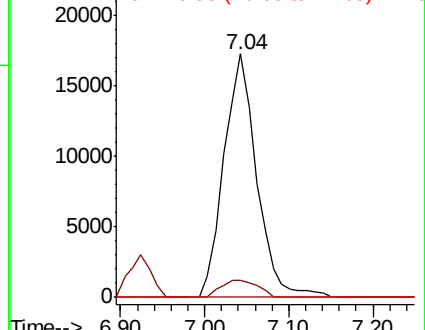
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V



#38

Carbon Tetrachloride

Concen: 6.574 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD061972.D

Acq: 23 Apr 2019 16:00

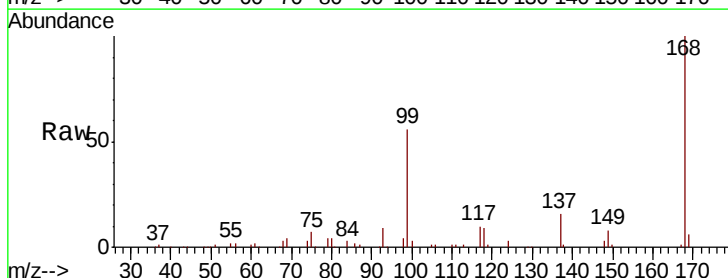
Tgt Ion: 117 Resp: 64887

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.8#

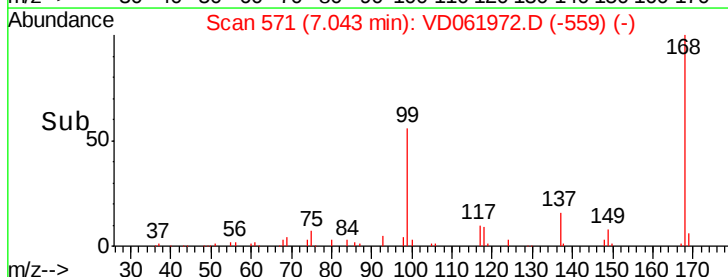
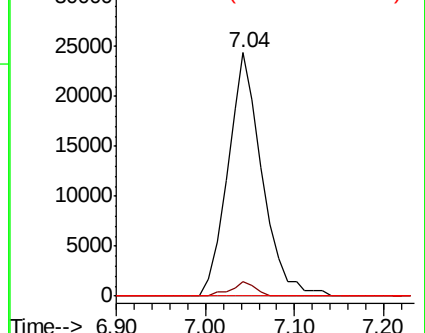
121 0.0 25.9 38.9#

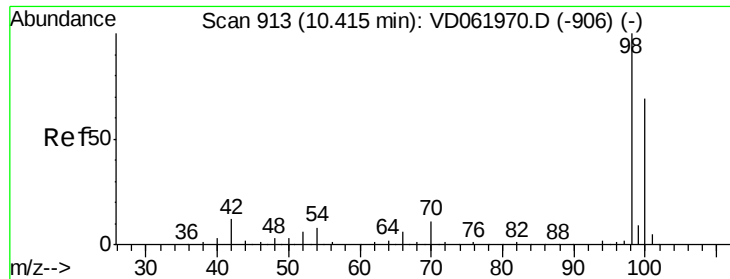


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD061972.D

Acq: 23 Apr 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

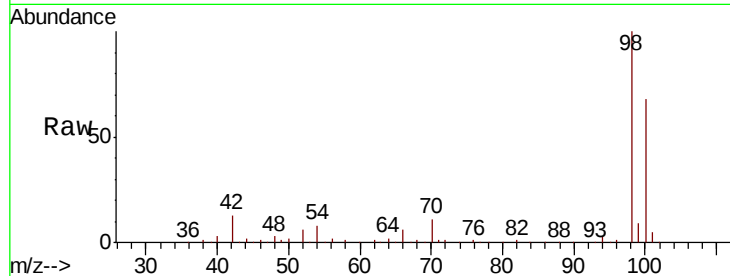
VD0423SBL01

Tgt Ion: 98 Resp: 855621

Ion Ratio Lower Upper

98 100

100 67.9 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

10.41

400000

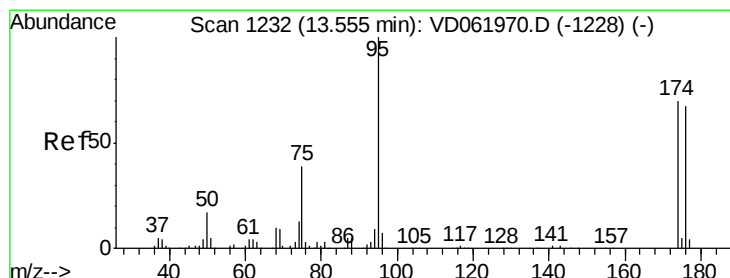
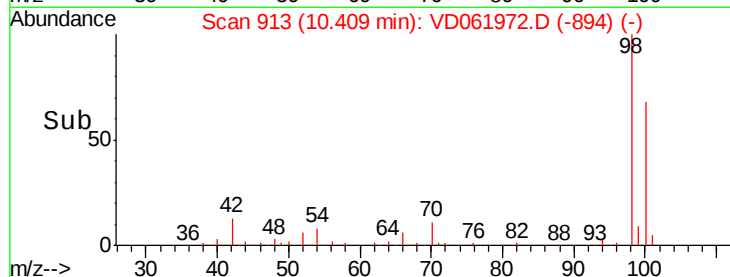
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061972.D

Acq: 23 Apr 2019 16:00

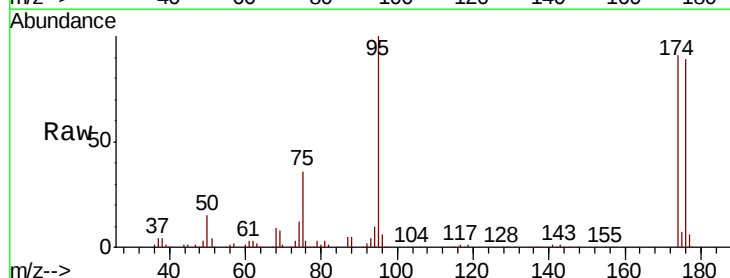
Tgt Ion: 95 Resp: 374692

Ion Ratio Lower Upper

95 100

174 90.8 0.0 181.8

176 88.8 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061970.D (-1228) (-)

Ion 173.90 (173.60 to 174.60): VD061970.D (-1228) (-)

Ion 175.90 (175.60 to 176.60): VD061970.D (-1228) (-)

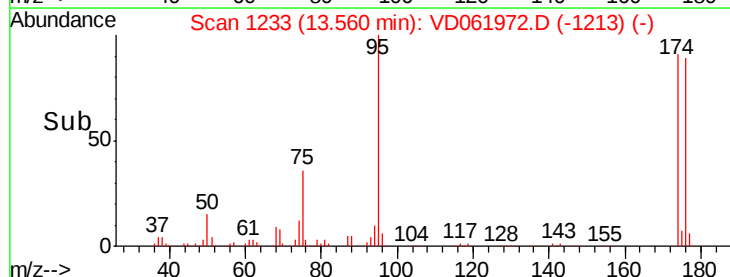
300000

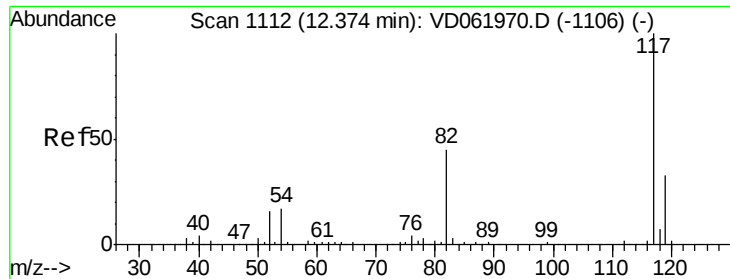
200000

100000

0

Time-->

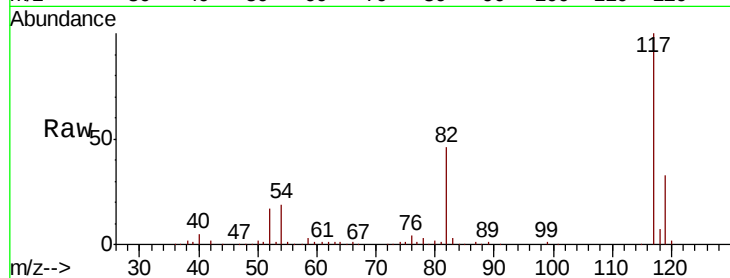




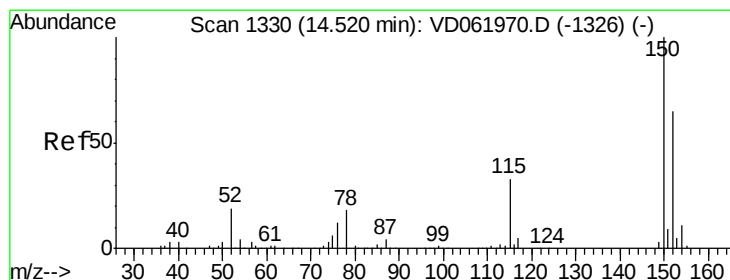
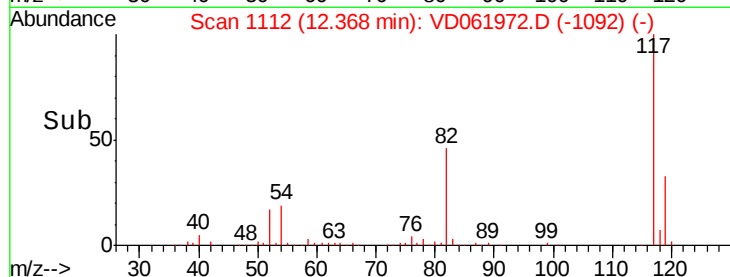
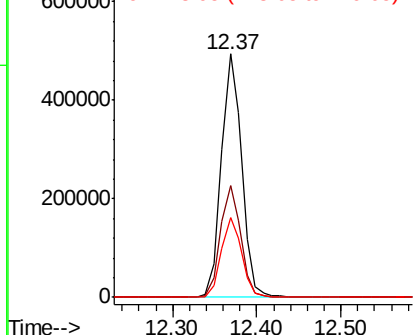
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061972.D
Acq: 23 Apr 2019 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0423SBL01

Tgt Ion:117 Resp: 827846
Ion Ratio Lower Upper
117 100
82 46.1 36.2 54.2
119 32.8 26.2 39.4

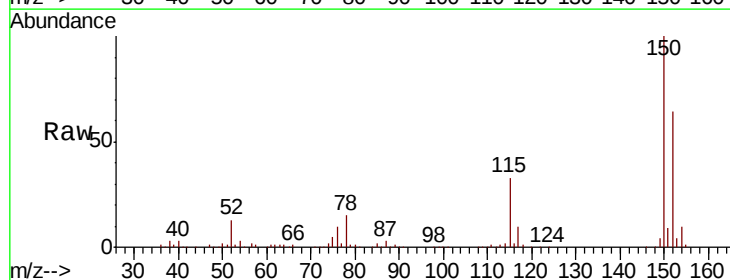


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

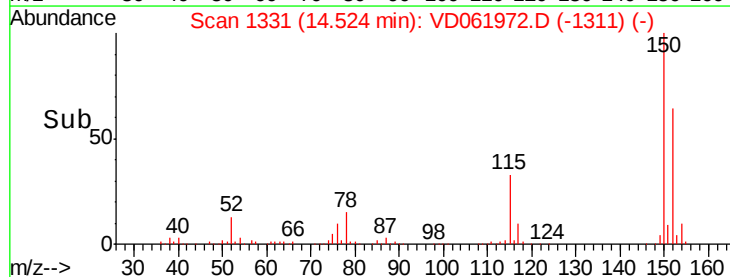
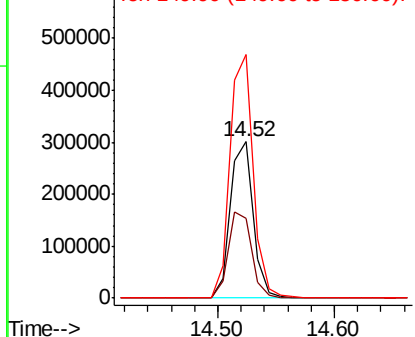


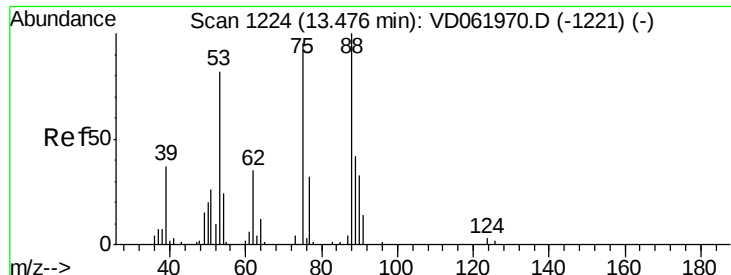
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD061972.D
Acq: 23 Apr 2019 16:00

Tgt Ion:152 Resp: 412762
Ion Ratio Lower Upper
152 100
115 50.8 30.9 92.7
150 155.9 0.0 314.8



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: 87.487 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD061972.D

Acq: 23 Apr 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0423SBL01

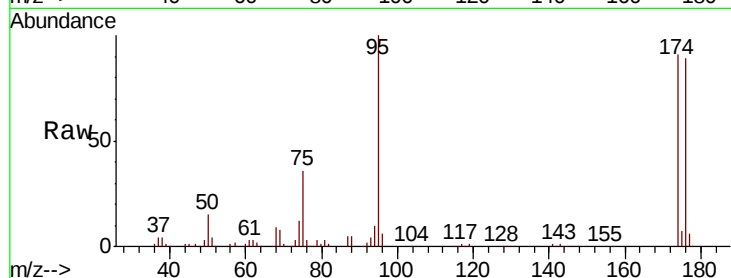
Tgt Ion: 75 Resp: 138961

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

