

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062320.D
 Acq On : 13 May 2019 23:44
 Operator : FY/SY
 Sample : VD0513SBL02
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBL02

Quant Time: May 14 05:13:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	632570	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	884713	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	730980	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	418817	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	321013	54.61	ug/l	0.04
Spiked Amount			Recovery	=	109.22%	
35) Dibromofluoromethane	6.94	113	365112	49.74	ug/l	0.05
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	10.43	98	760514	42.97	ug/l	0.03
Spiked Amount			Recovery	=	85.94%	
62) 4-Bromofluorobenzene	13.56	95	341536	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	1428	1.419	ug/l #	12
16) Acetone	3.23	43	2988	2.424	ug/l #	50
18) Methyl Acetate	3.65	43	375	Below Cal	#	53
20) Methylene Chloride	3.82	84	5242	1.018	ug/l #	80
31) Cyclohexane	7.06	56	13303	2.157	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	50097	6.906	ug/l #	47
38) Carbon Tetrachloride	7.06	117	68924	6.865	ug/l #	15
76) 1,2,3-Trichloropropane	13.56	75	133374	26.796	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	150671	107.230	ug/l #	16

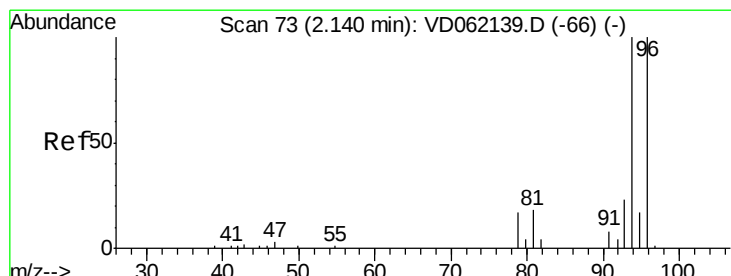
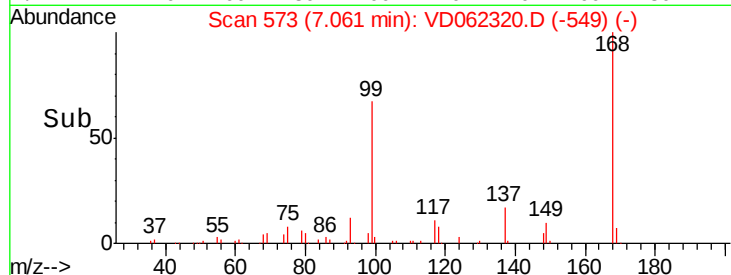
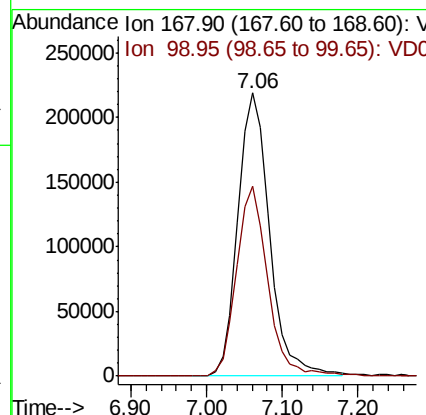
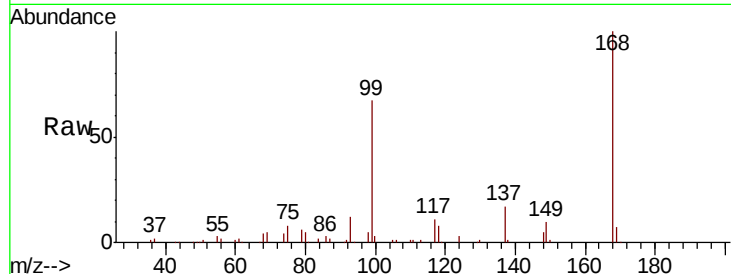
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.04 min
Lab File: VD062320.D
Acq: 13 May 2019 23:44

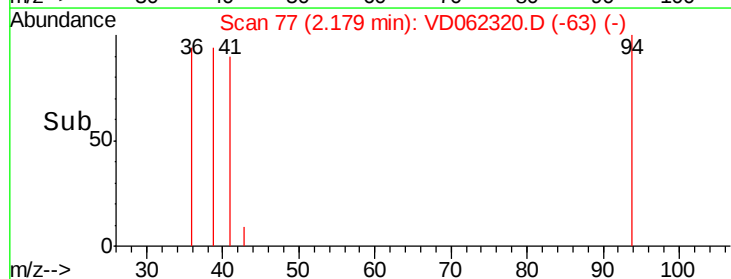
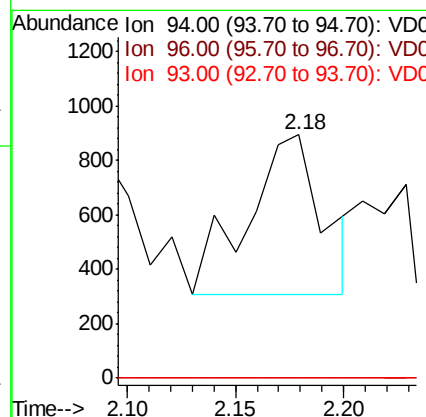
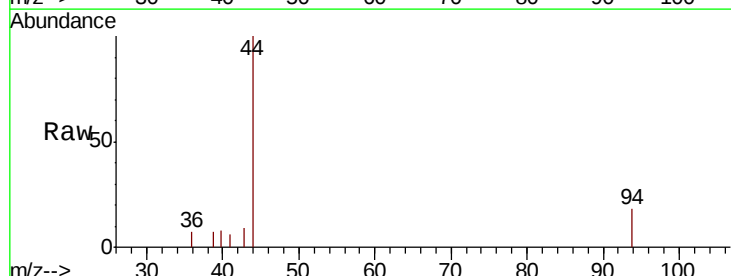
Instrument :
MSVOA_D
ClientSampleId :
VD0513SBL02

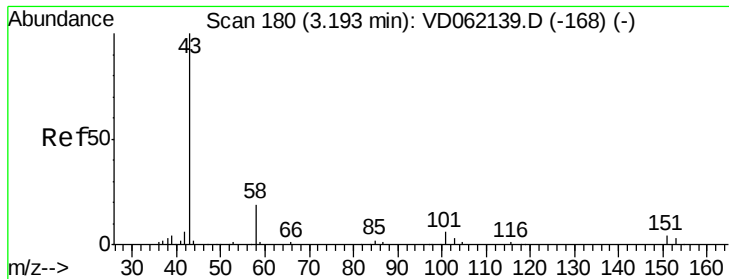
Tot Ion:168 Resp: 632570
Ion Ratio Lower Upper
168 100
99 67.2 46.5 69.7



#5
Bromomethane
Concen: 1.419 ug/l
RT: 2.18 min Scan# 77
Delta R.T. 0.04 min
Lab File: VD062320.D
Acq: 13 May 2019 23:44

Tgt Ion: 94 Resp: 1428
Ion Ratio Lower Upper
94 100
96 0.0 76.6 115.0#
93 0.0 18.5 27.7#





#16

Acetone

Concen: 2.424 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062320.D

Acq: 13 May 2019 23:44

Instrument :

MSVOA_D

ClientSampleId :

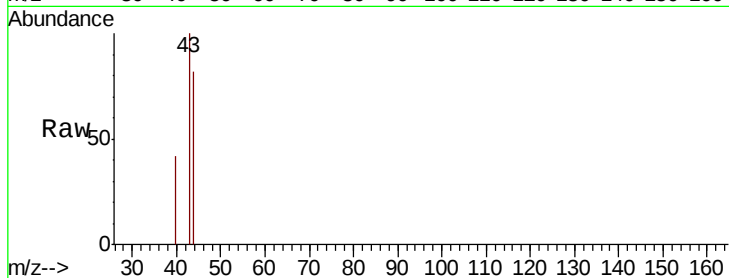
VD0513SBL02

Tot Ion: 43 Resp: 2988

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

3.23

1000

800

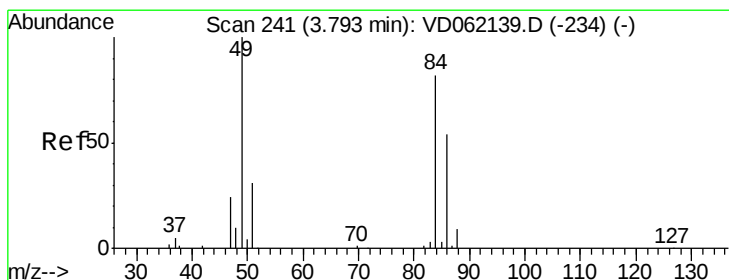
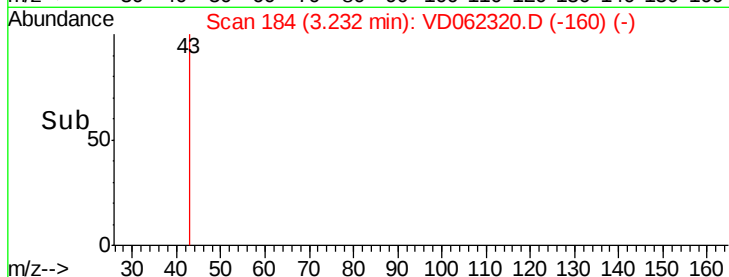
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 1.018 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD062320.D

Acq: 13 May 2019 23:44

Tgt Ion: 84 Resp: 5242

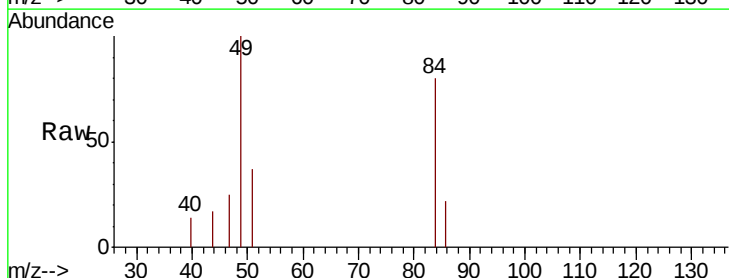
Ion Ratio Lower Upper

84 100

49 124.6 94.0 141.0

51 46.5 29.0 43.4#

86 27.0 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

4000

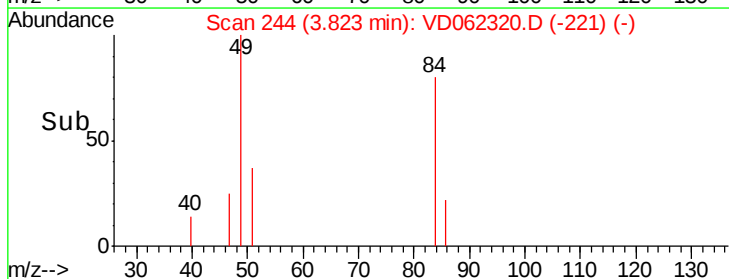
3000

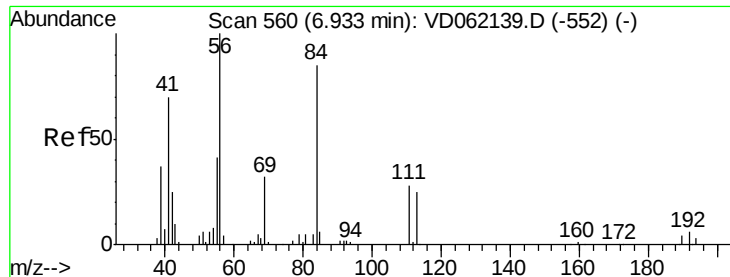
2000

1000

0

Time-->

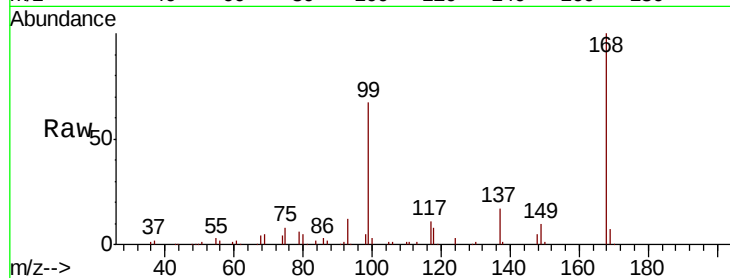




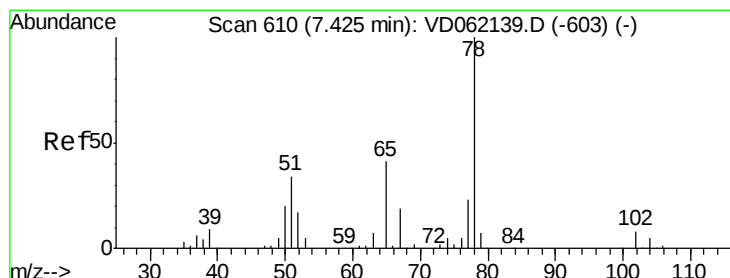
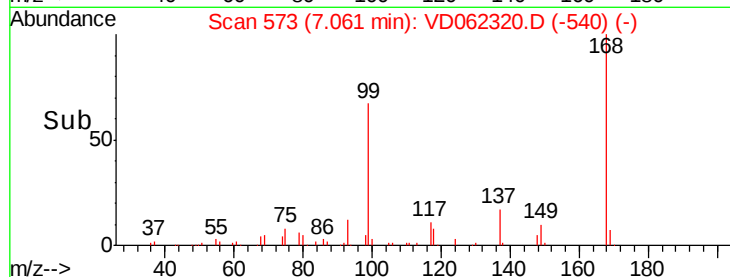
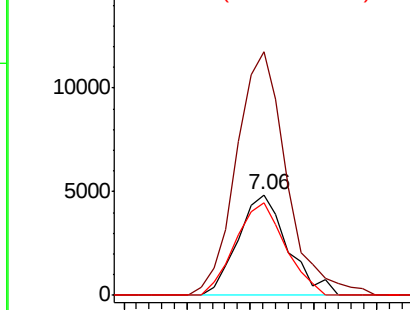
#31
Cyclohexane
Concen: 2.157 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.13 min
Lab File: VD062320.D
Acq: 13 May 2019 23:44

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBL02

Tot Ion: 56 Resp: 13303
Ion Ratio Lower Upper
56 100
69 241.3 25.8 38.6#
84 92.2 72.2 108.4

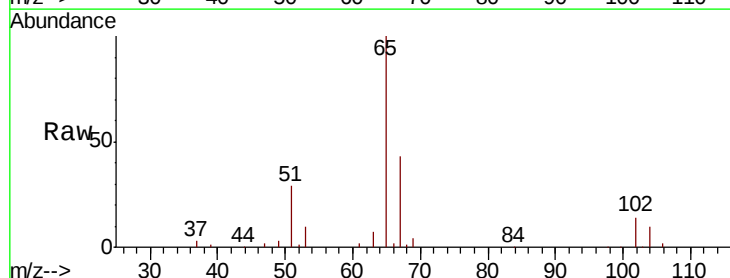


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

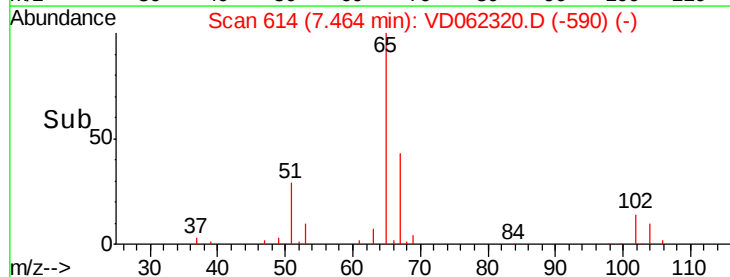
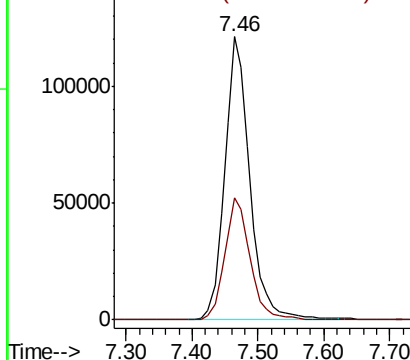


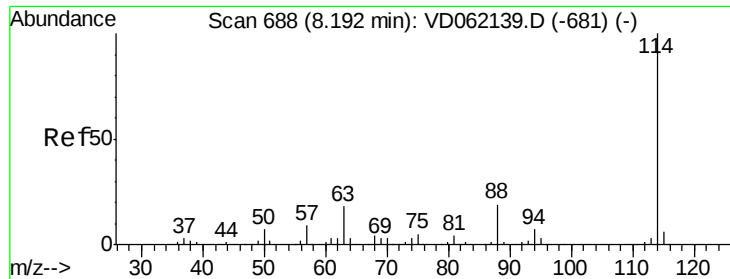
#33
1,2-Dichloroethane-d4
Concen: 54.607 ug/l
RT: 7.46 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD062320.D
Acq: 13 May 2019 23:44

Tgt Ion: 65 Resp: 321013
Ion Ratio Lower Upper
65 100
67 43.3 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

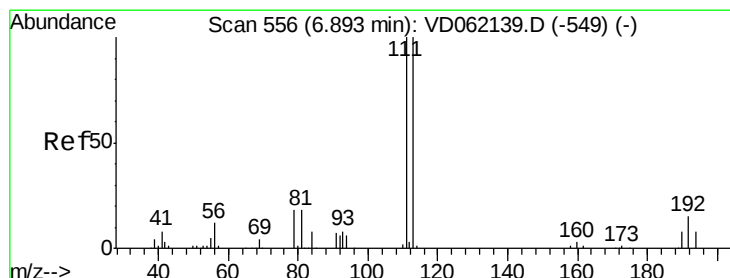
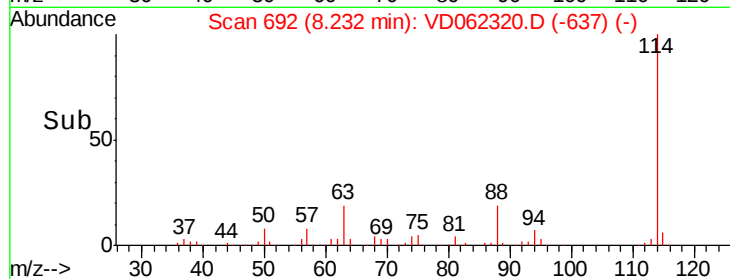
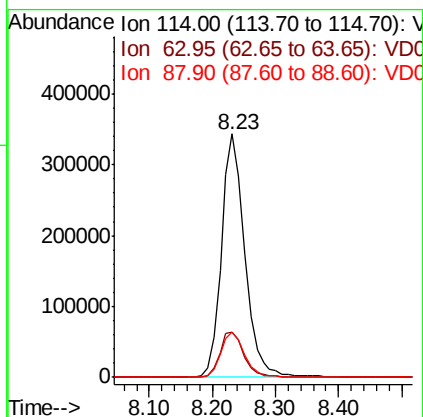
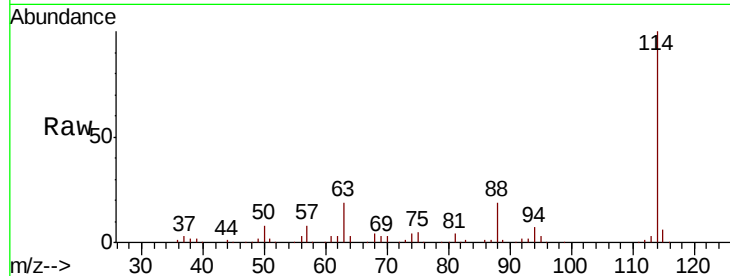




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062320.D
 Acq: 13 May 2019 23:44

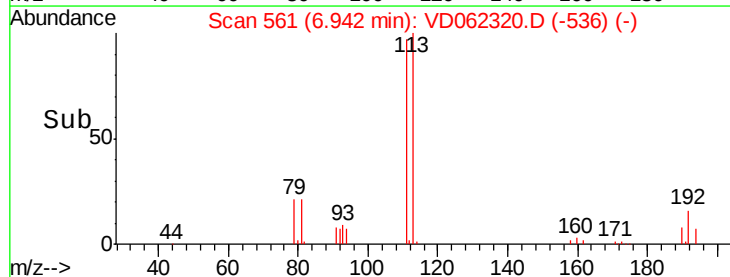
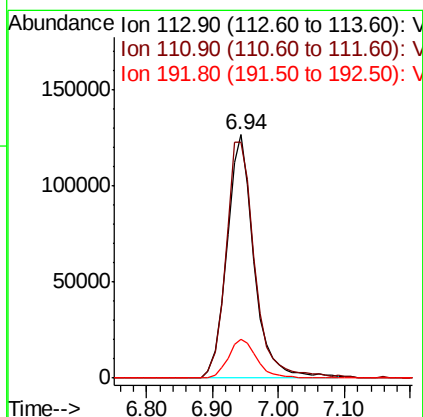
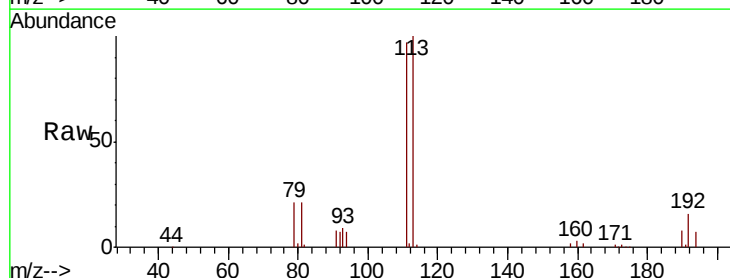
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0513SBL02

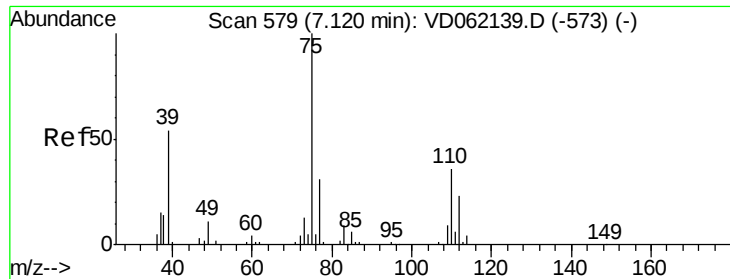
Tot Ion:114 Resp: 884713
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 32.4
 88 18.7 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 49.739 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062320.D
 Acq: 13 May 2019 23:44

Tgt Ion:113 Resp: 365112
 Ion Ratio Lower Upper
 113 100
 111 96.8 78.5 117.7
 192 16.0 13.0 19.4





#36

1,1-Dichloropropene

Concen: 6.906 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062320.D

Acq: 13 May 2019 23:44

Instrument :

MSVOA_D

ClientSampleId :

VD0513SBL02

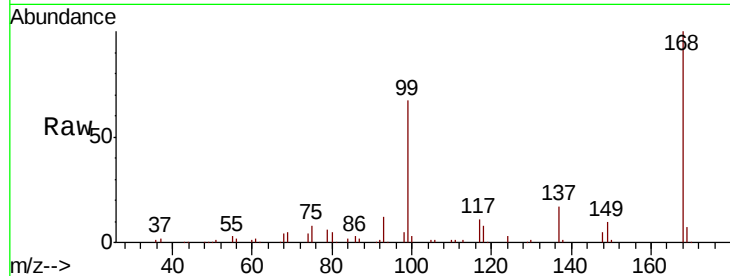
Tot Ion: 75 Resp: 50097

Ion Ratio Lower Upper

75 100

110 8.4 19.1 57.1#

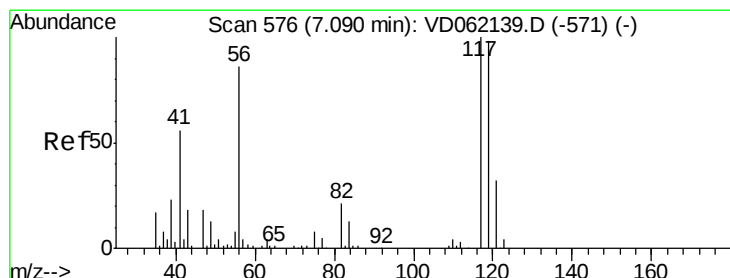
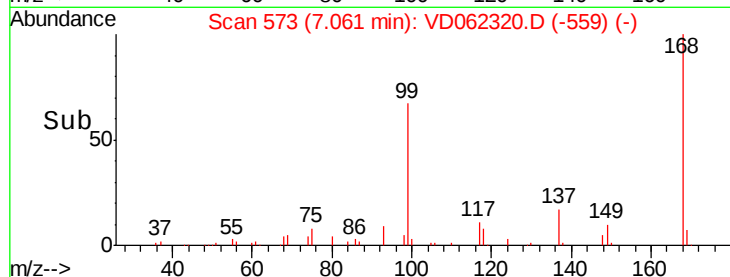
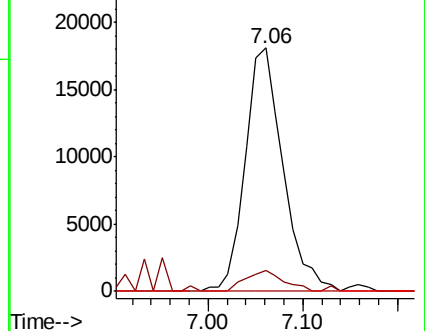
77 0.0 25.6 38.4#



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: 6.865 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD062320.D

Acq: 13 May 2019 23:44

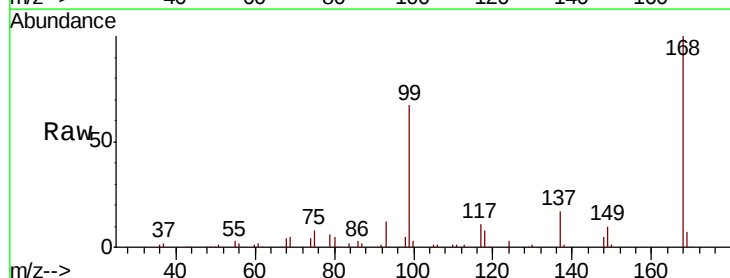
Tgt Ion: 117 Resp: 68924

Ion Ratio Lower Upper

117 100

119 3.2 75.8 113.8#

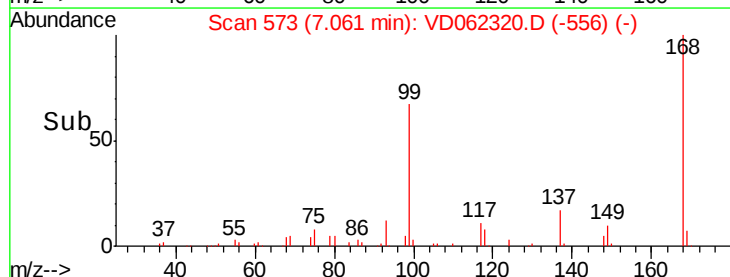
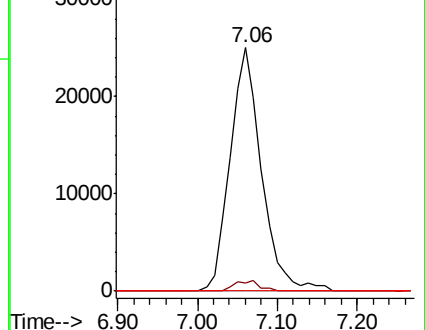
121 0.0 25.9 38.9#

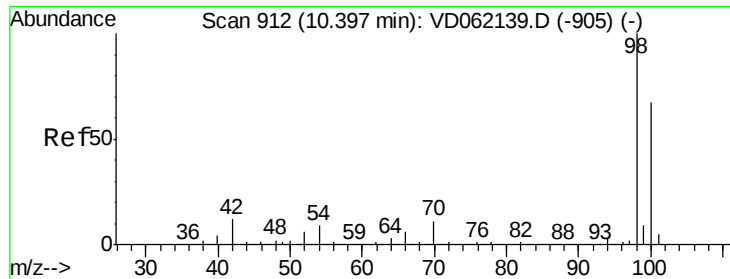


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 42.970 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062320.D

Acq: 13 May 2019 23:44

Instrument :

MSVOA_D

ClientSampleId :

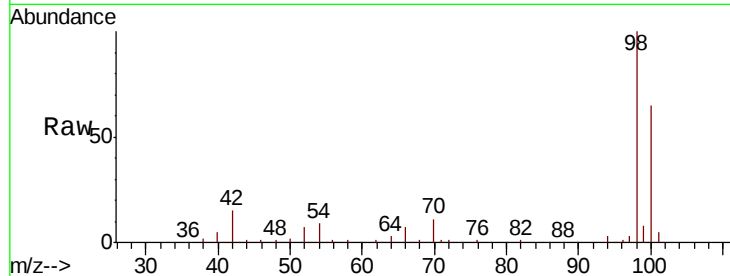
VD0513SBL02

Tot Ion: 98 Resp: 760514

Ion Ratio Lower Upper

98 100

100 64.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

10.43

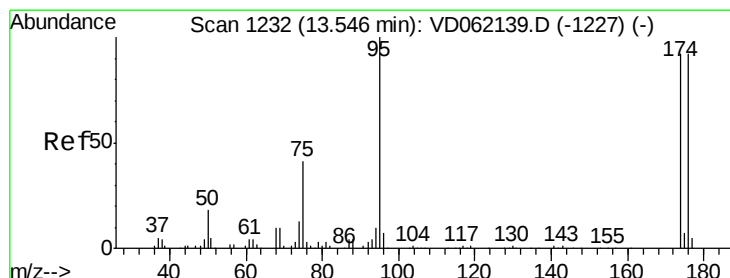
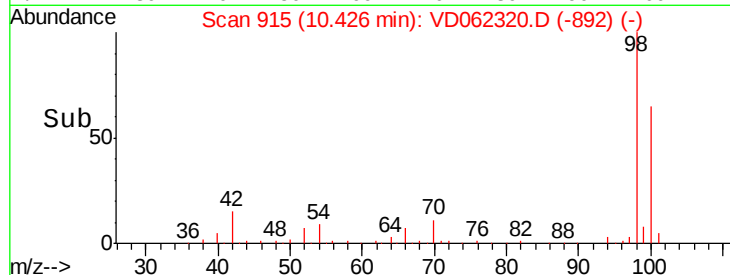
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.055 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062320.D

Acq: 13 May 2019 23:44

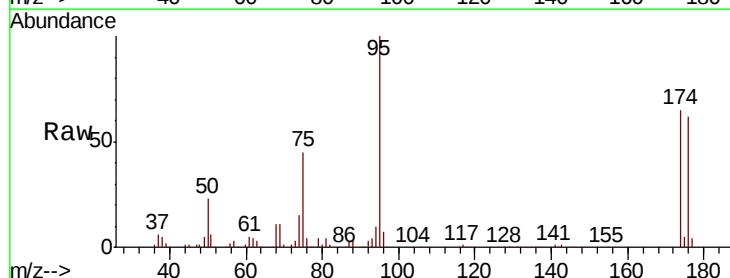
Tgt Ion: 95 Resp: 341536

Ion Ratio Lower Upper

95 100

174 65.5 0.0 181.8

176 62.1 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

300000

250000

200000

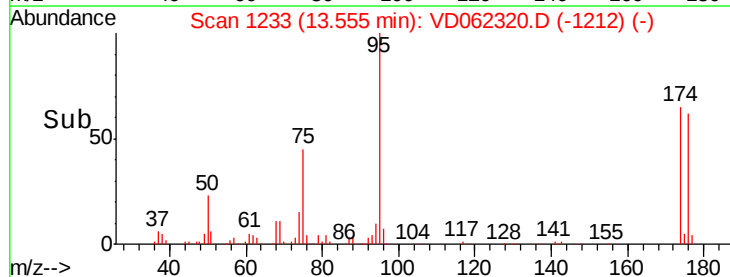
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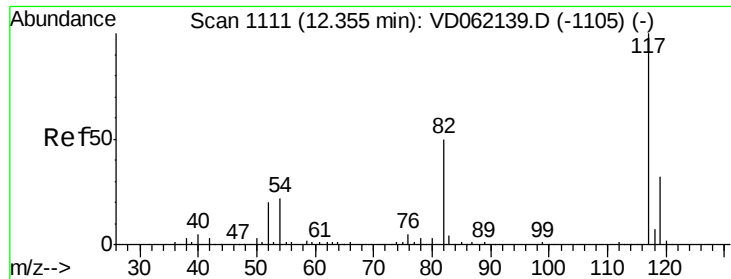
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50000

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Time-->

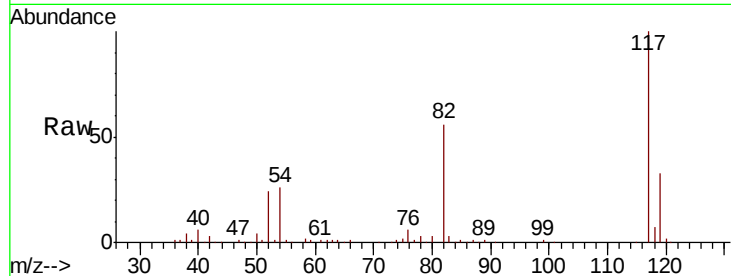




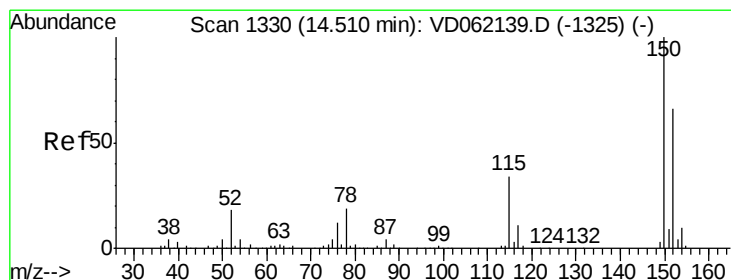
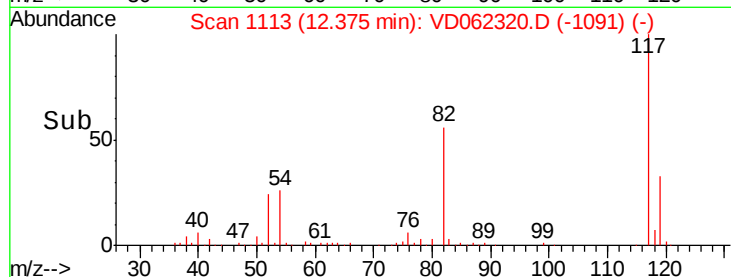
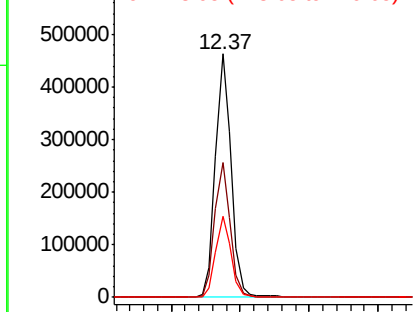
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062320.D
Acq: 13 May 2019 23:44

Instrument :
MSVOA_D
ClientSampleId :
VD0513SBL02

Tot Ion:117 Resp: 730980
Ion Ratio Lower Upper
117 100
82 55.6 36.2 54.2#
119 33.0 26.2 39.4

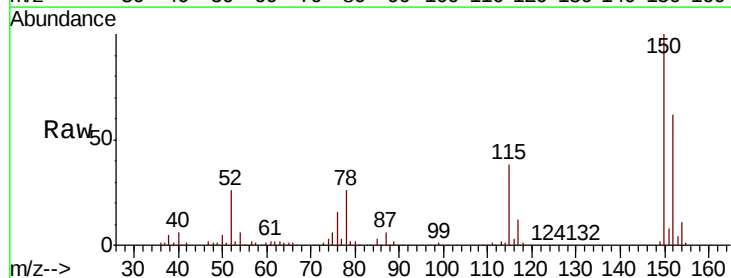


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

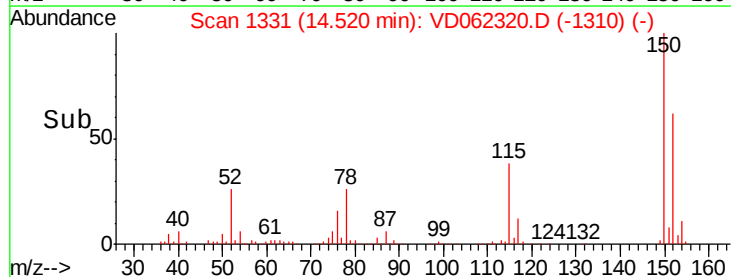
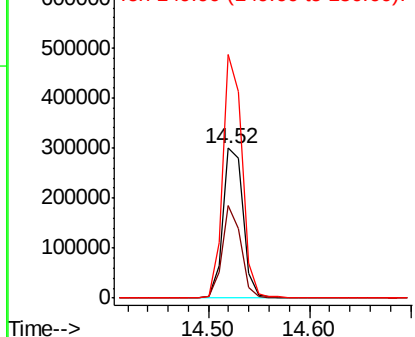


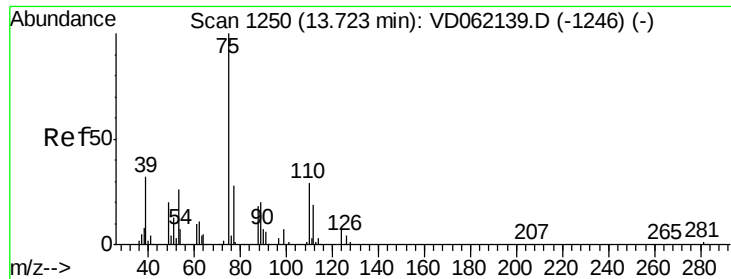
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062320.D
Acq: 13 May 2019 23:44

Tgt Ion:152 Resp: 418817
Ion Ratio Lower Upper
152 100
115 61.4 30.9 92.7
150 162.2 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





#76

1,2,3-Trichloropropane

Concen: 26.796 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062320.D

Acq: 13 May 2019 23:44

Instrument :

MSVOA_D

ClientSampleId :

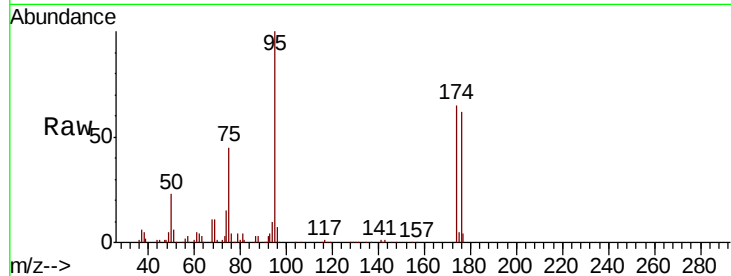
VD0513SBL02

Tot Ion: 75 Resp: 133374

Ion Ratio Lower Upper

75 100

77 0.9 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.56

120000

100000

80000

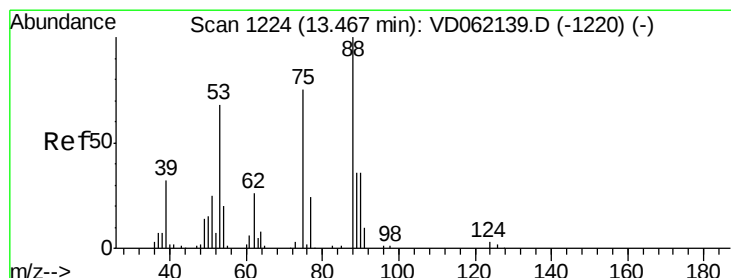
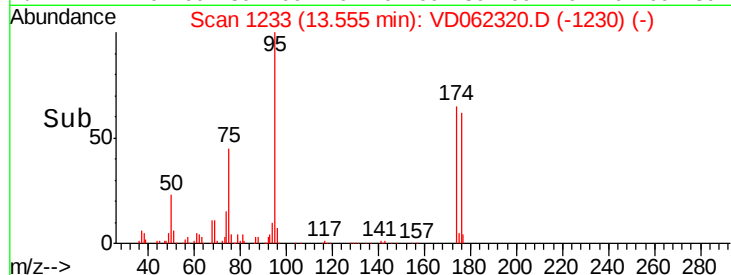
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 107.230 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062320.D

Acq: 13 May 2019 23:44

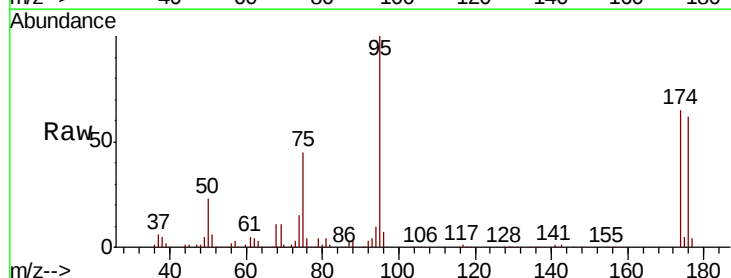
Tgt Ion: 75 Resp: 150671

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

13.56

100000

50000

0

Time-->

