

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062367.D
 Acq On : 15 May 2019 2:09
 Operator : FY/SY
 Sample : K2756-16RE
 Misc : 5.11g/5mL/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 03:31:50 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	71311	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	124835	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	97899	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	41150	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	74762	112.81	ug/l	0.04
Spiked Amount			Recovery	=	225.62%	
35) Dibromofluoromethane	6.94	113	57376	55.39	ug/l	0.05
Spiked Amount			Recovery	=	110.78%	
50) Toluene-d8	10.42	98	70316	28.16	ug/l	0.02
Spiked Amount			Recovery	=	56.32%	
62) 4-Bromofluorobenzene	13.56	95	32617	32.52	ug/l	0.02
Spiked Amount			Recovery	=	65.04%	

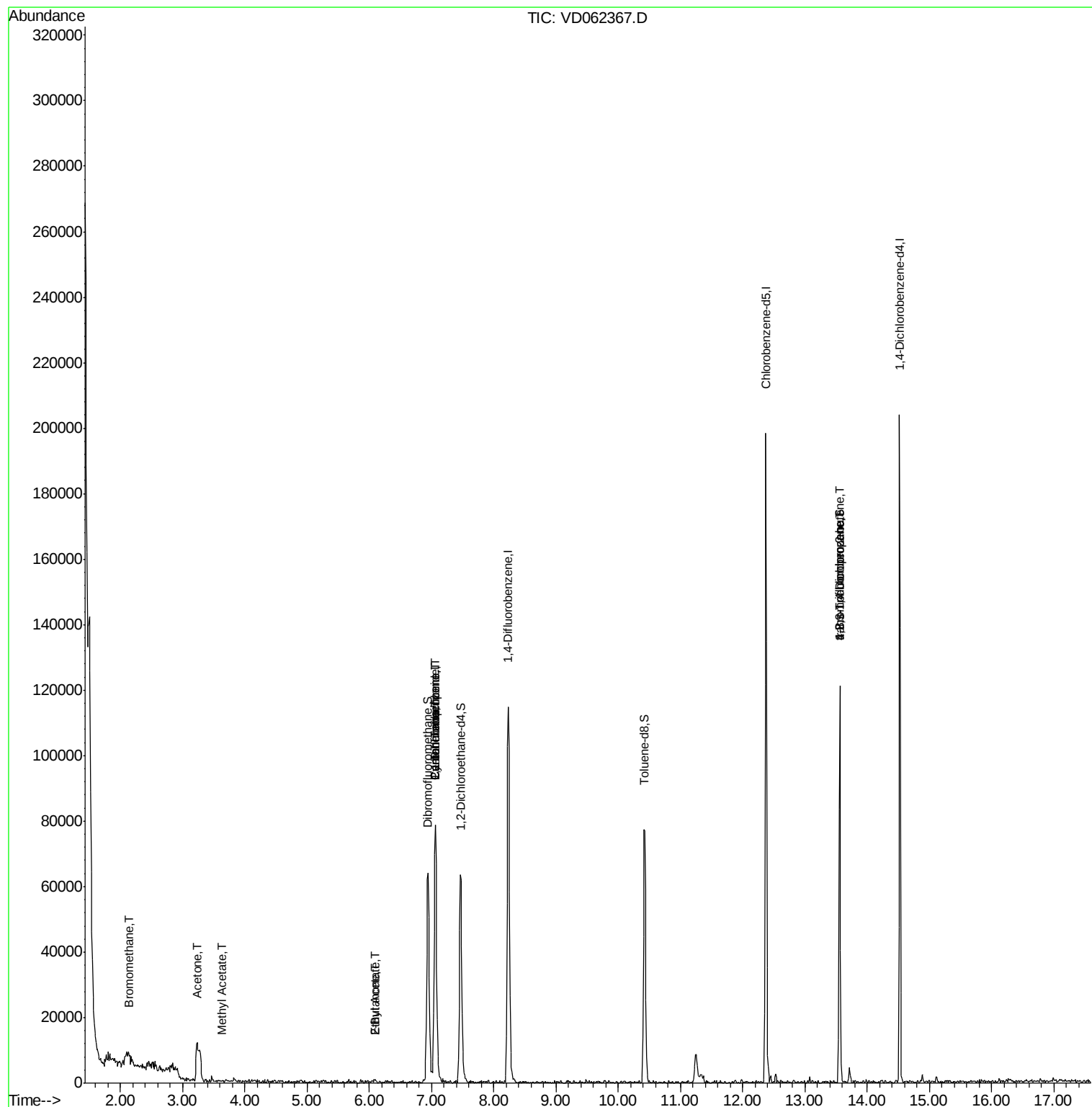
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	280	2.467	ug/l #	12
16) Acetone	3.23	43	25126	180.794	ug/l #	79
18) Methyl Acetate	3.65	43	406	1.338	ug/l #	53
25) 2-Butanone	6.10	43	1630	10.753	ug/l #	56
31) Cyclohexane	7.05	56	1121	1.612	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	6354	6.208	ug/l #	40
37) Ethyl Acetate	6.10	43	1630	3.755	ug/l #	64
38) Carbon Tetrachloride	7.05	117	7781	5.493	ug/l #	12
76) 1,2,3-Trichloropropane	13.56	75	13401	27.403	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	14791	107.137	ug/l #	16

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

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Quant Time: May 15 03:31:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

Instrument :

MSVOA_D

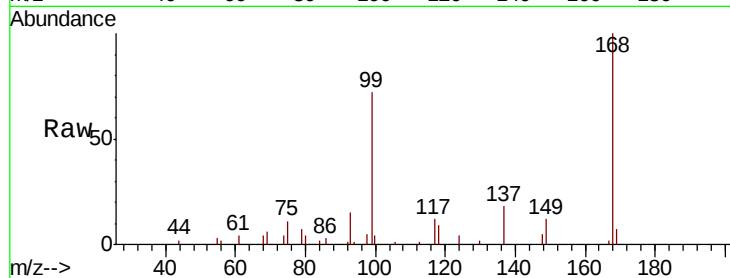
ClientSampled :

Tot Ion:168 Resp: 71311

Ion Ratio Lower Upper

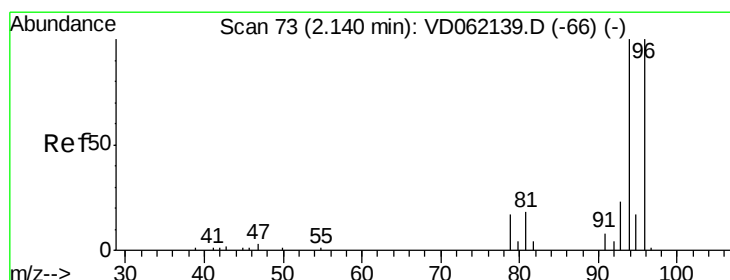
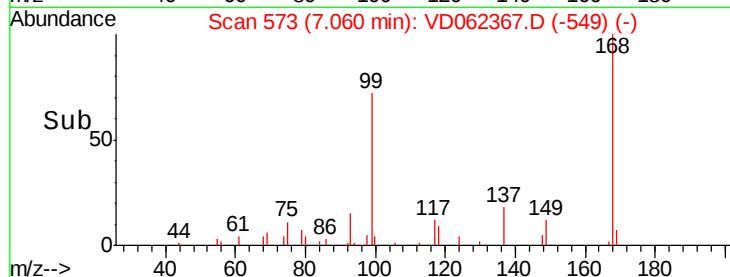
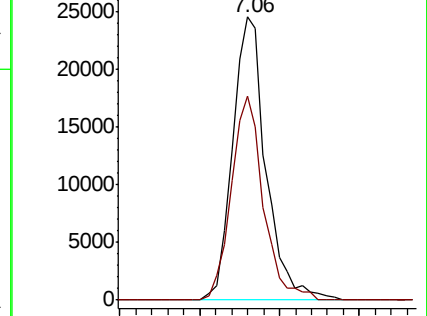
168 100

99 72.0 46.5 69.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.467 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

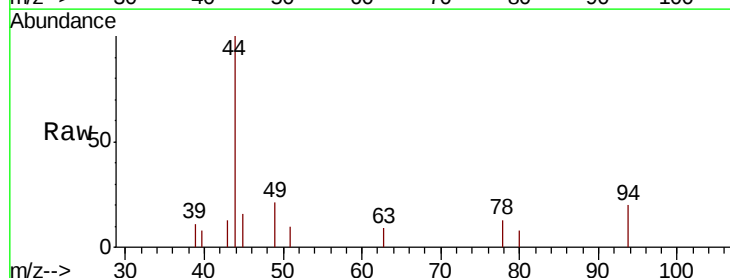
Tgt Ion: 94 Resp: 280

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

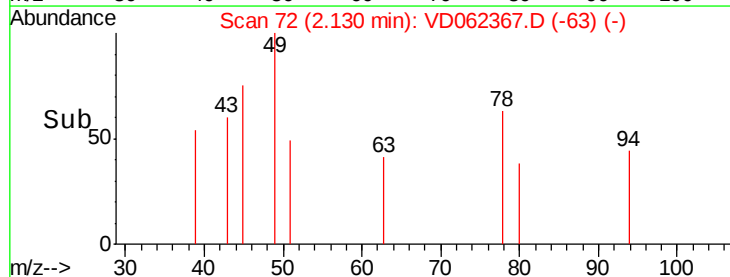
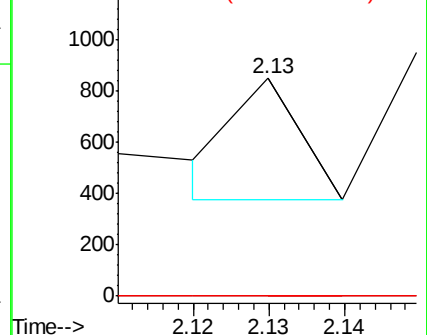
93 0.0 18.5 27.7#



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





#16

Acetone

Concen: 180.794 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

Instrument :

MSVOA_D

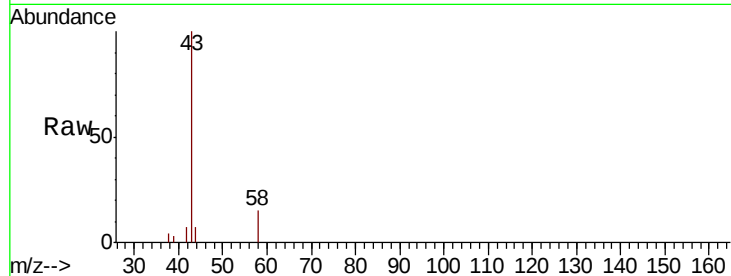
ClientSampleId :

Tot Ion: 43 Resp: 25126

Ion Ratio Lower Upper

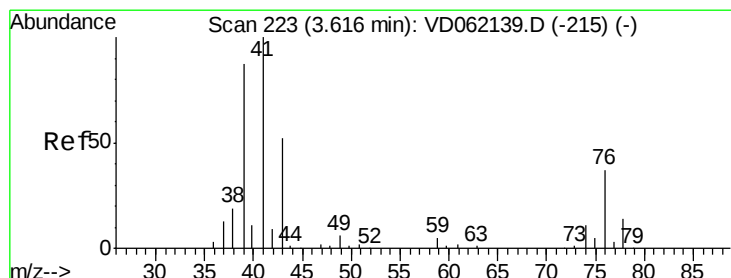
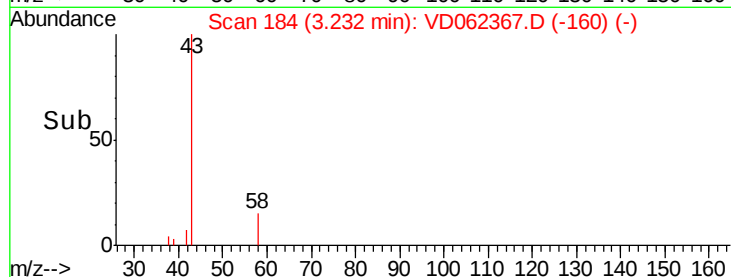
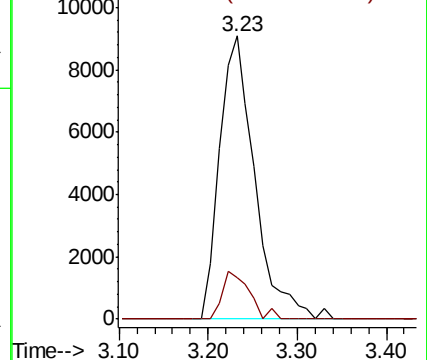
43 100

58 14.6 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.338 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD062367.D

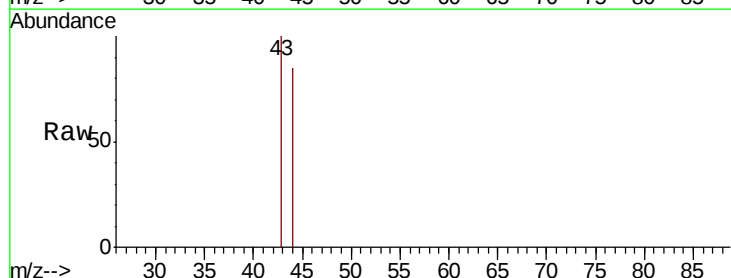
Acq: 15 May 2019 2:09

Tgt Ion: 43 Resp: 406

Ion Ratio Lower Upper

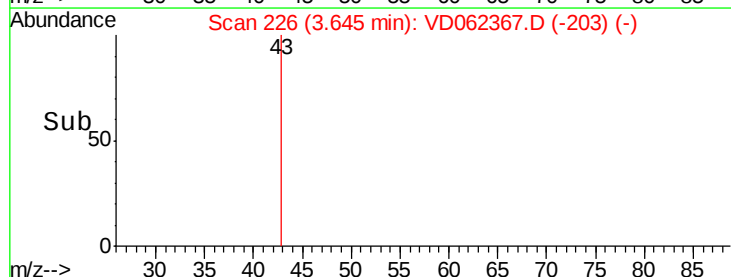
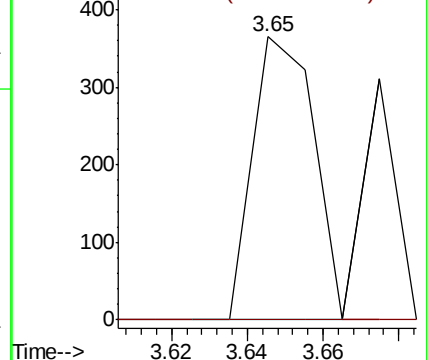
43 100

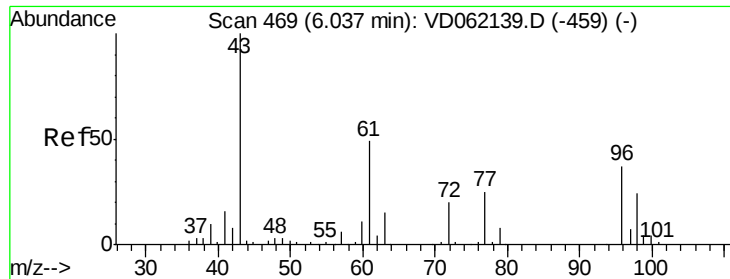
74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#25

2-Butanone

Concen: 10.753 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.06 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

Instrument :

MSVOA_D

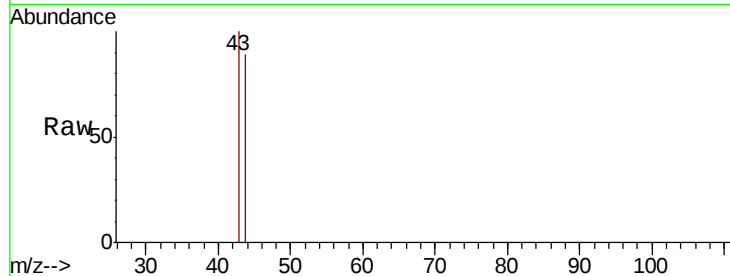
ClientSampleId :

Tot Ion: 43 Resp: 1630

Ion Ratio Lower Upper

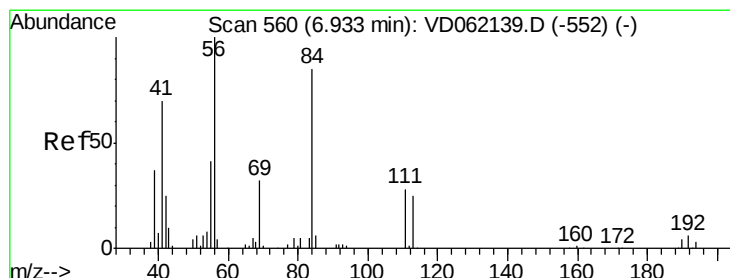
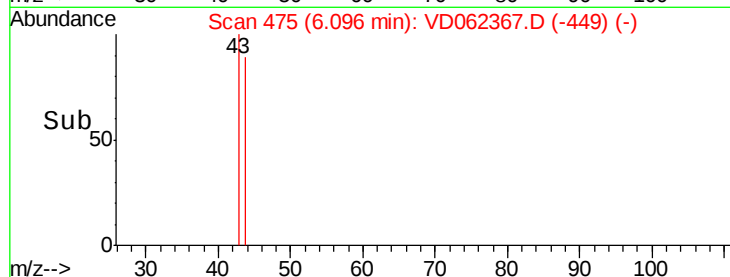
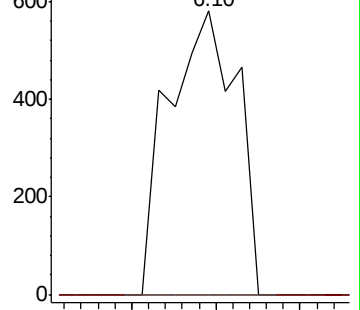
43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.612 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

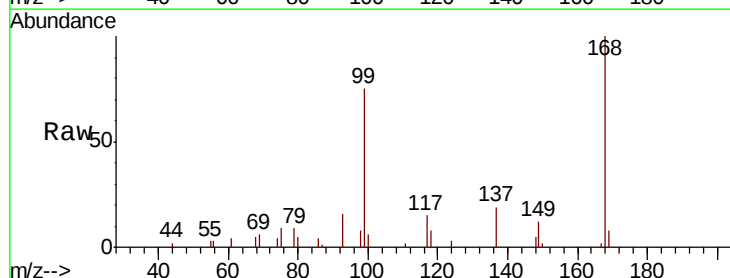
Tgt Ion: 56 Resp: 1121

Ion Ratio Lower Upper

56 100

69 209.0 25.8 38.6#

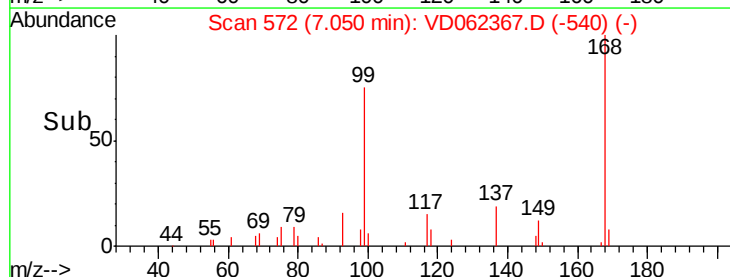
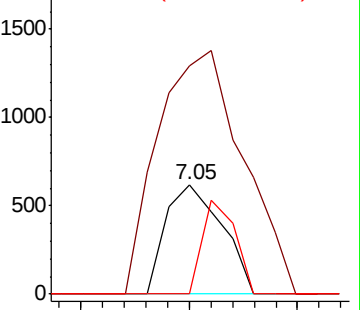
84 0.0 72.2 108.4#



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: 112.814 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

Instrument :

MSVOA_D

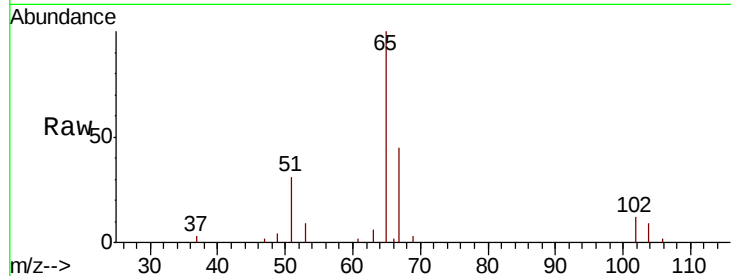
ClientSampleId :

Tot Ion: 65 Resp: 74762

Ion Ratio Lower Upper

65 100

67 45.4 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

30000

25000

20000

15000

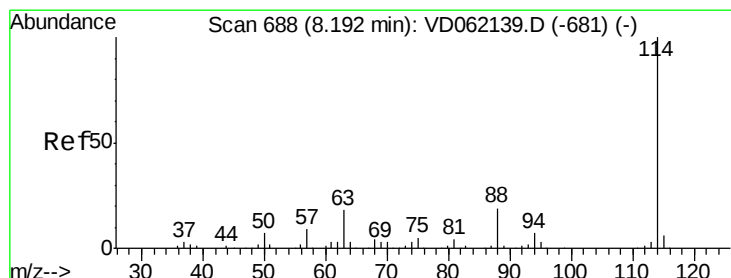
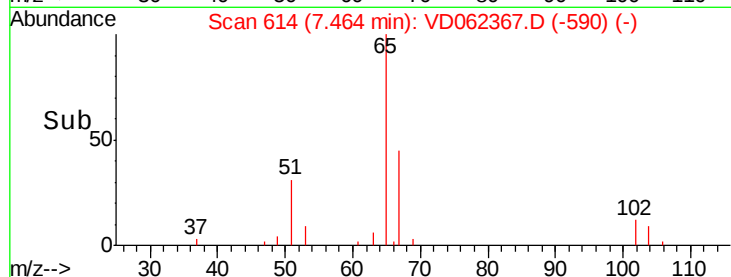
10000

5000

0

7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

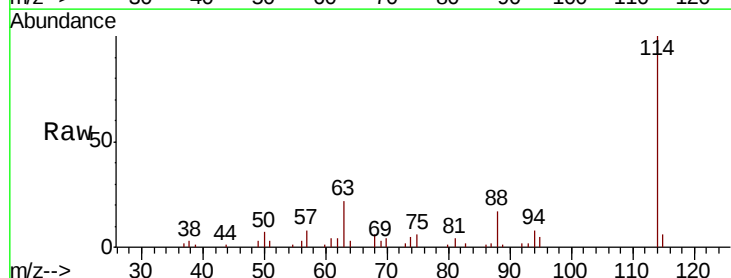
Tgt Ion: 114 Resp: 124835

Ion Ratio Lower Upper

114 100

63 22.3 0.0 32.4

88 17.3 0.0 33.6



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

60000

50000

40000

30000

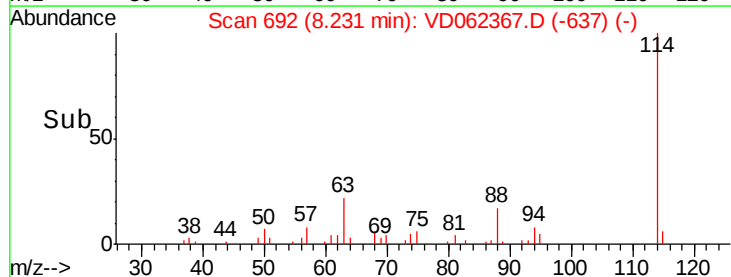
20000

10000

0

8.10 8.20 8.30 8.40

Time-->





#35

Dibromofluoromethane

Concen: 55.395 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

Instrument :

MSVOA_D

ClientSampled :

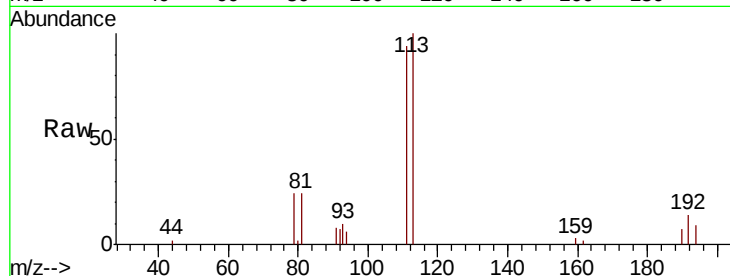
Tot Ion:113 Resp: 57376

Ion Ratio Lower Upper

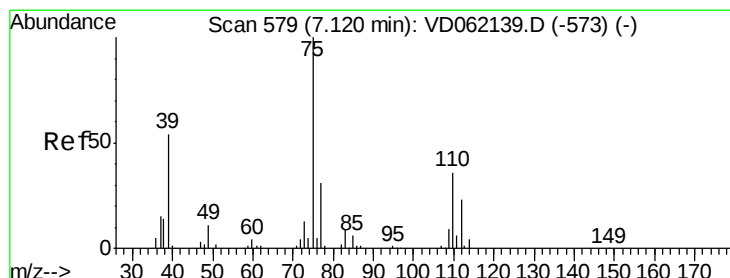
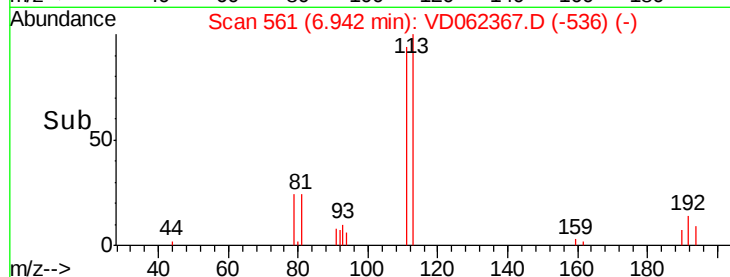
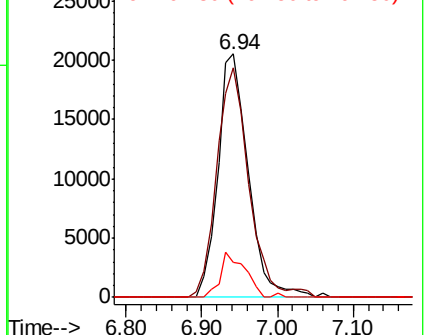
113 100

111 94.1 78.5 117.7

192 14.3 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: 6.208 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.06 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

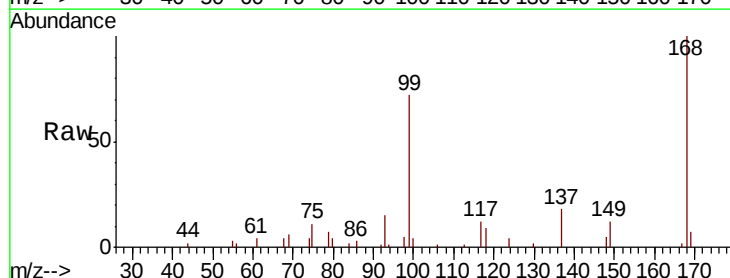
Tgt Ion: 75 Resp: 6354

Ion Ratio Lower Upper

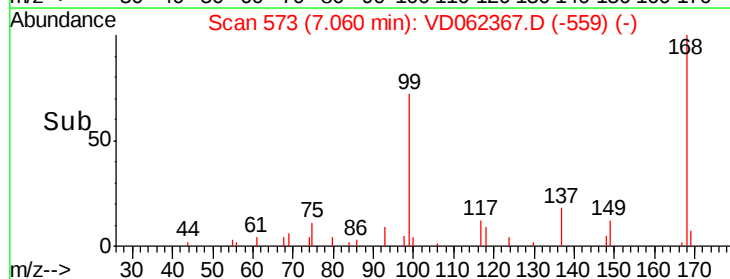
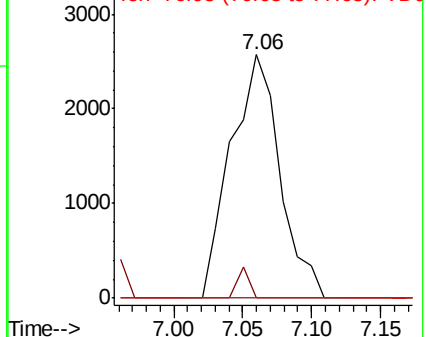
75 100

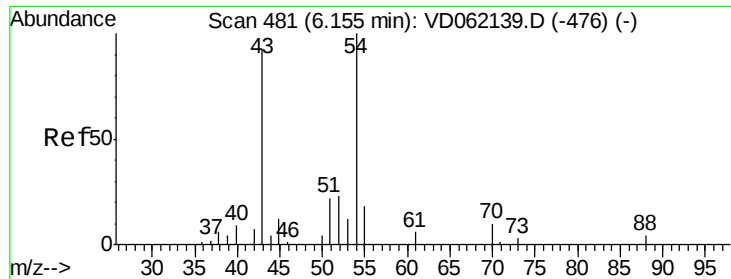
110 0.0 19.1 57.1#

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





#37

Ethyl Acetate

Concen: 3.755 ug/l

RT: 6.10 min Scan# 475

Delta R.T. -0.06 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

Instrument :

MSVOA_D

ClientSampleId :

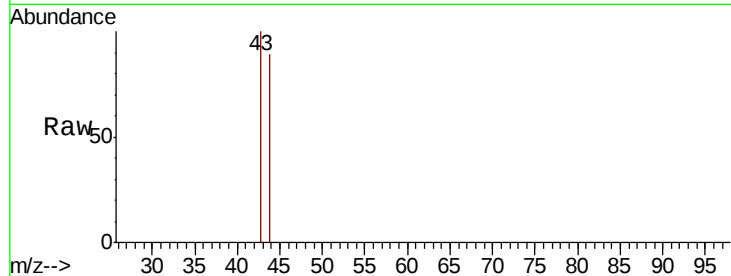
Tot Ion: 43 Resp: 1630

Ion Ratio Lower Upper

43 100

61 0.0 14.7 22.1#

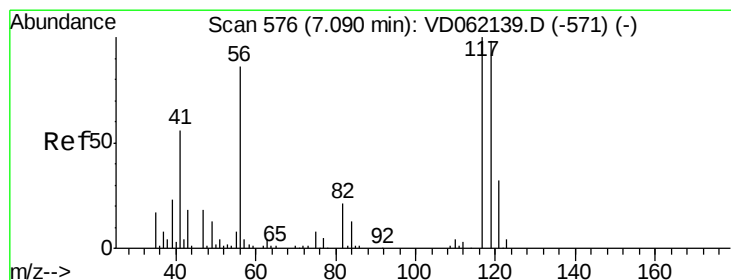
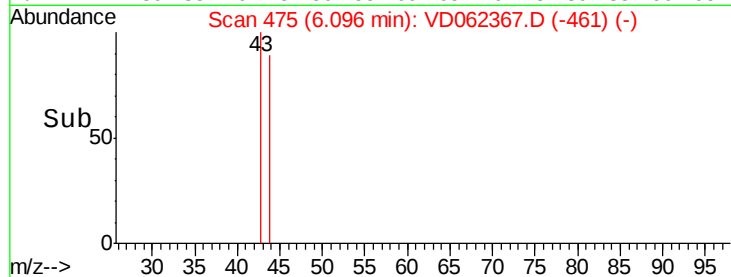
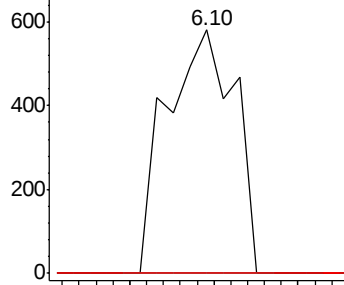
70 0.0 7.8 11.6#



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: 5.493 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

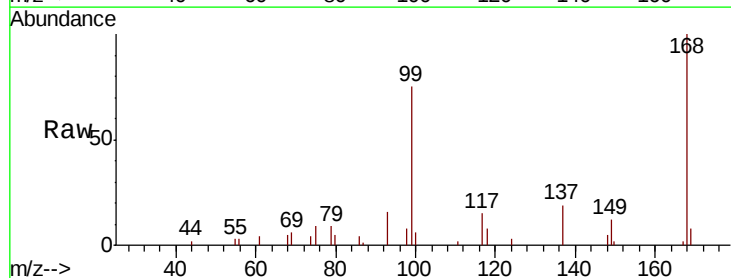
Tgt Ion: 117 Resp: 7781

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

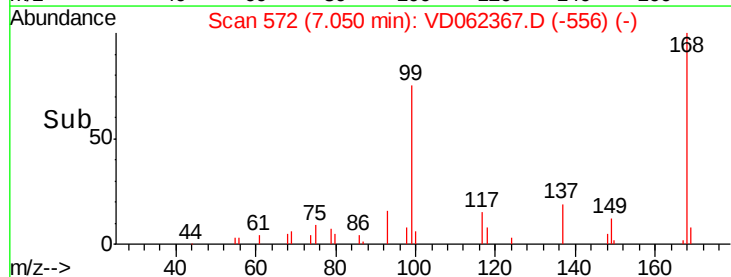
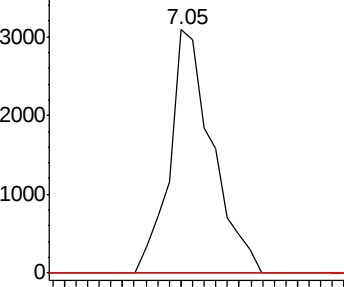
121 0.0 25.9 38.9#

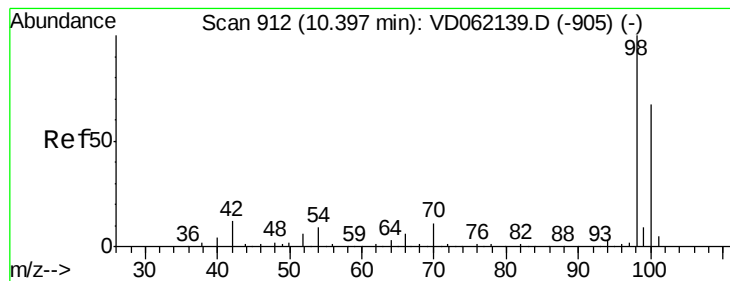


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 28.157 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

Instrument :

MSVOA_D

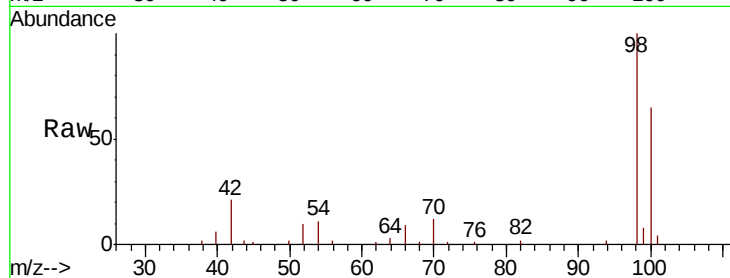
ClientSampleId :

Tot Ion: 98 Resp: 70316

Ion Ratio Lower Upper

98 100

100 65.0 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) (-)

10.42

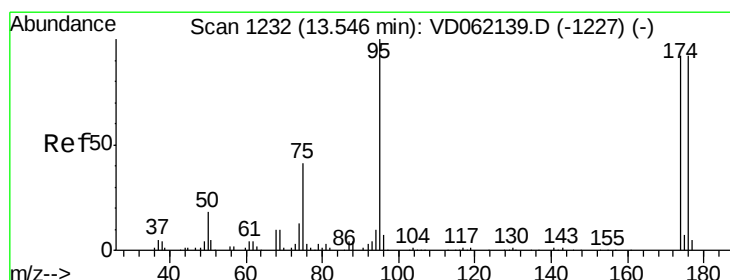
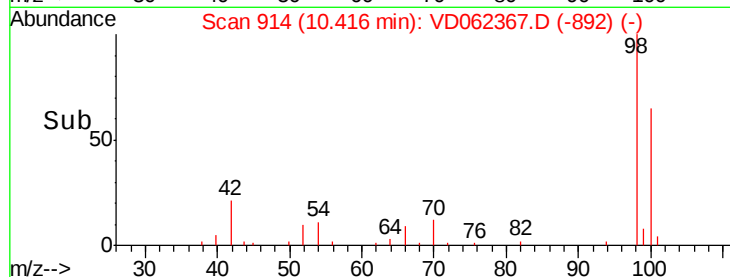
30000

20000

10000

0

Time--> 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 32.525 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

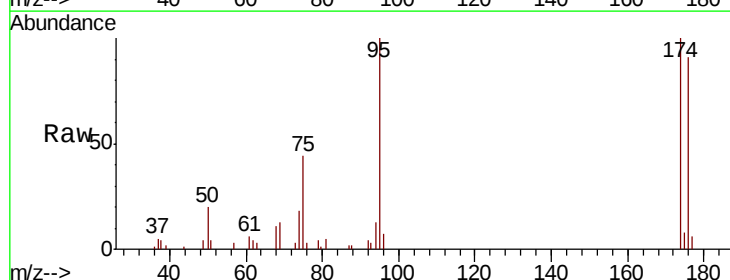
Tgt Ion: 95 Resp: 32617

Ion Ratio Lower Upper

95 100

174 99.7 0.0 181.8

176 91.1 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) (-)

13.56

30000

25000

20000

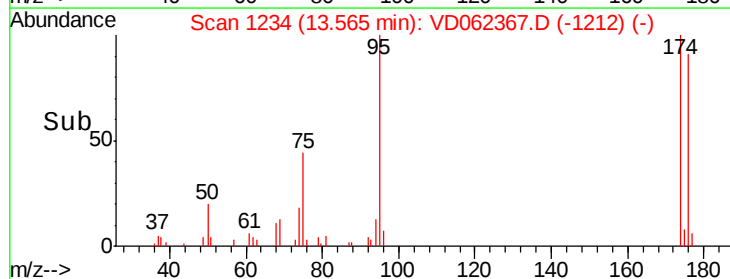
15000

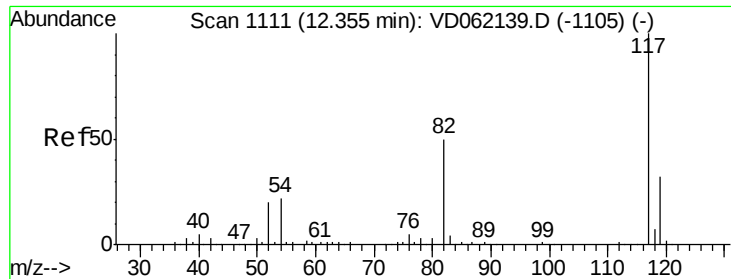
10000

5000

0

Time--> 13.50 13.55 13.60

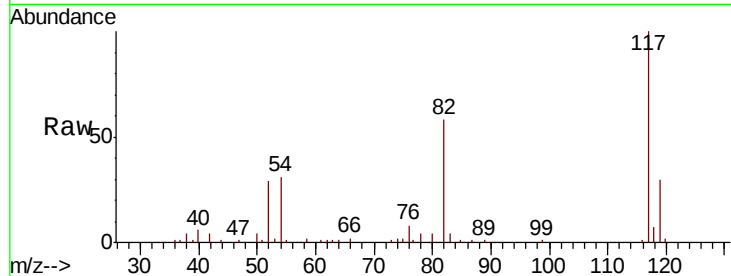




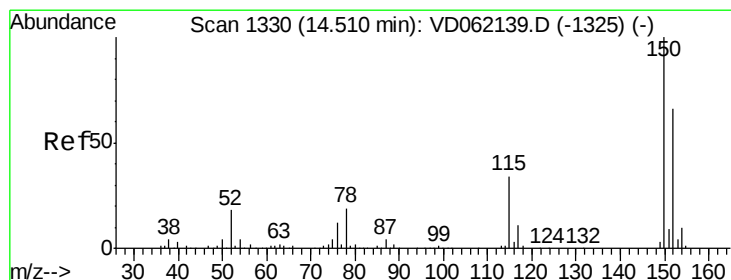
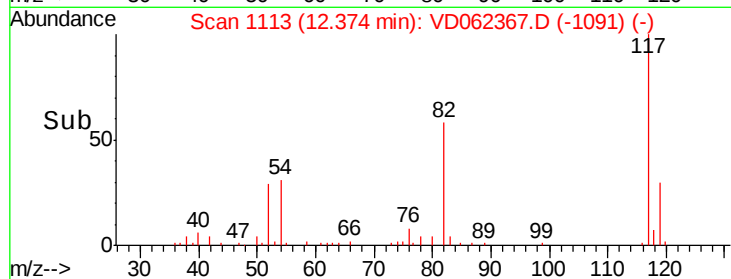
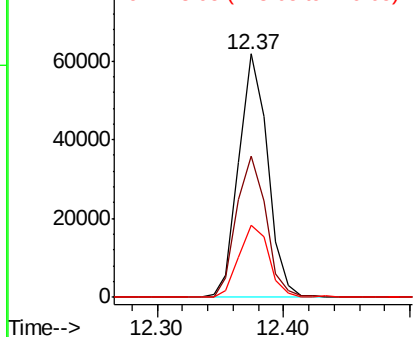
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062367.D
Acq: 15 May 2019 2:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 97899
Ion Ratio Lower Upper
117 100
82 58.1 36.2 54.2#
119 29.7 26.2 39.4

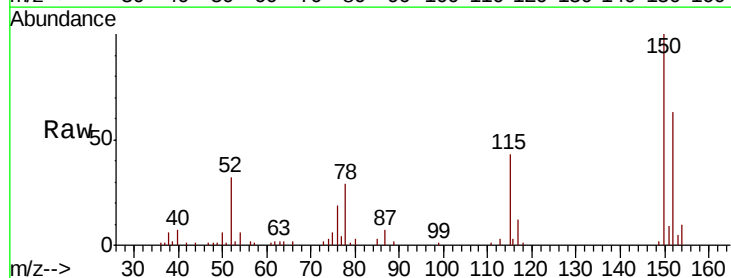


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

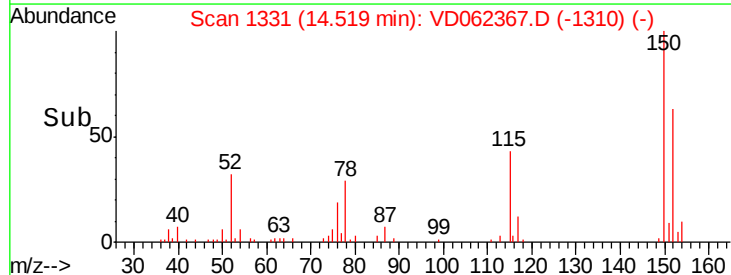
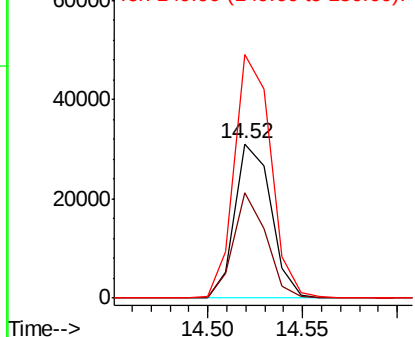


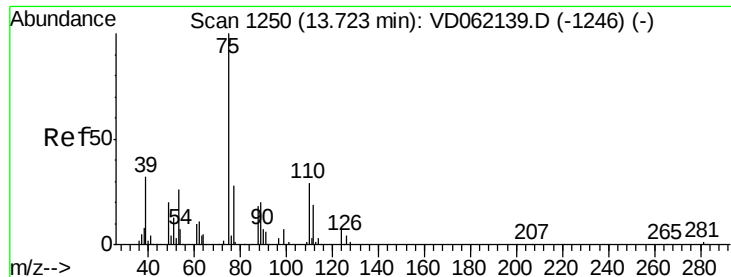
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062367.D
Acq: 15 May 2019 2:09

Tgt Ion:152 Resp: 41150
Ion Ratio Lower Upper
152 100
115 68.5 30.9 92.7
150 157.5 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: 27.403 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

Instrument :

MSVOA_D

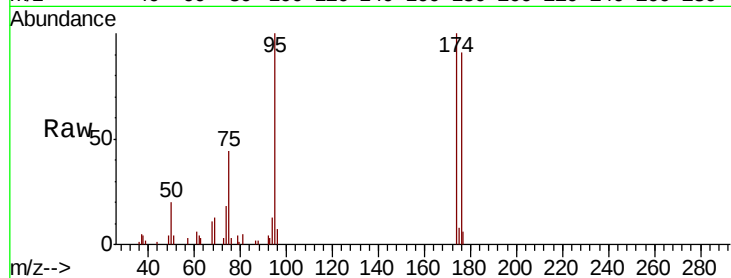
ClientSampleId :

Tot Ion: 75 Resp: 13401

Ion Ratio Lower Upper

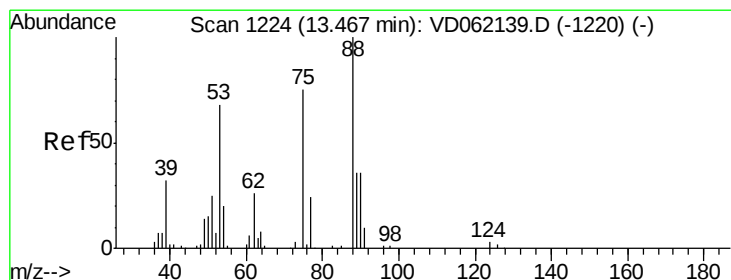
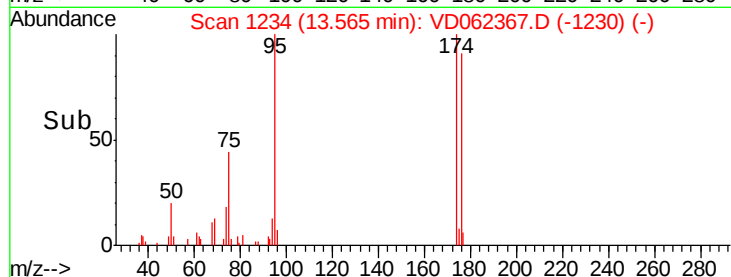
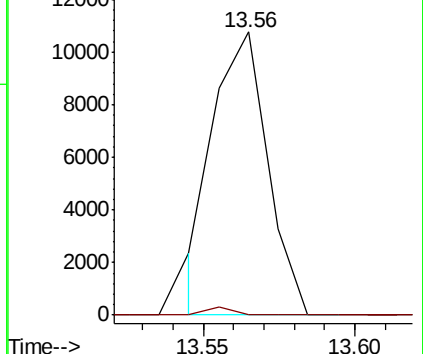
75 100

77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 107.137 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062367.D

Acq: 15 May 2019 2:09

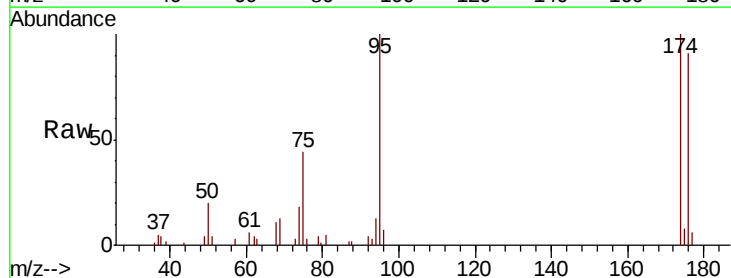
Tgt Ion: 75 Resp: 14791

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

