

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051419\
 Data File : VD062347.D
 Acq On : 14 May 2019 15:35
 Operator : FY/SY
 Sample : K2647-07RE
 Misc : 5.25g/5mL/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-050919-B

Quant Time: May 14 16:00:33 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	7.07	168	764693	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	1044381	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.39	117	828168	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	428258	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	374827	52.75	ug/l	0.05
Spiked Amount			Recovery	=	105.50%	
35) Dibromofluoromethane	6.95	113	451421	52.09	ug/l	0.06
Spiked Amount			Recovery	=	104.18%	
50) Toluene-d8	10.43	98	886646	42.44	ug/l	0.03
Spiked Amount			Recovery	=	84.88%	
62) 4-Bromofluorobenzene	13.57	95	404514	48.22	ug/l	0.02
Spiked Amount			Recovery	=	96.44%	

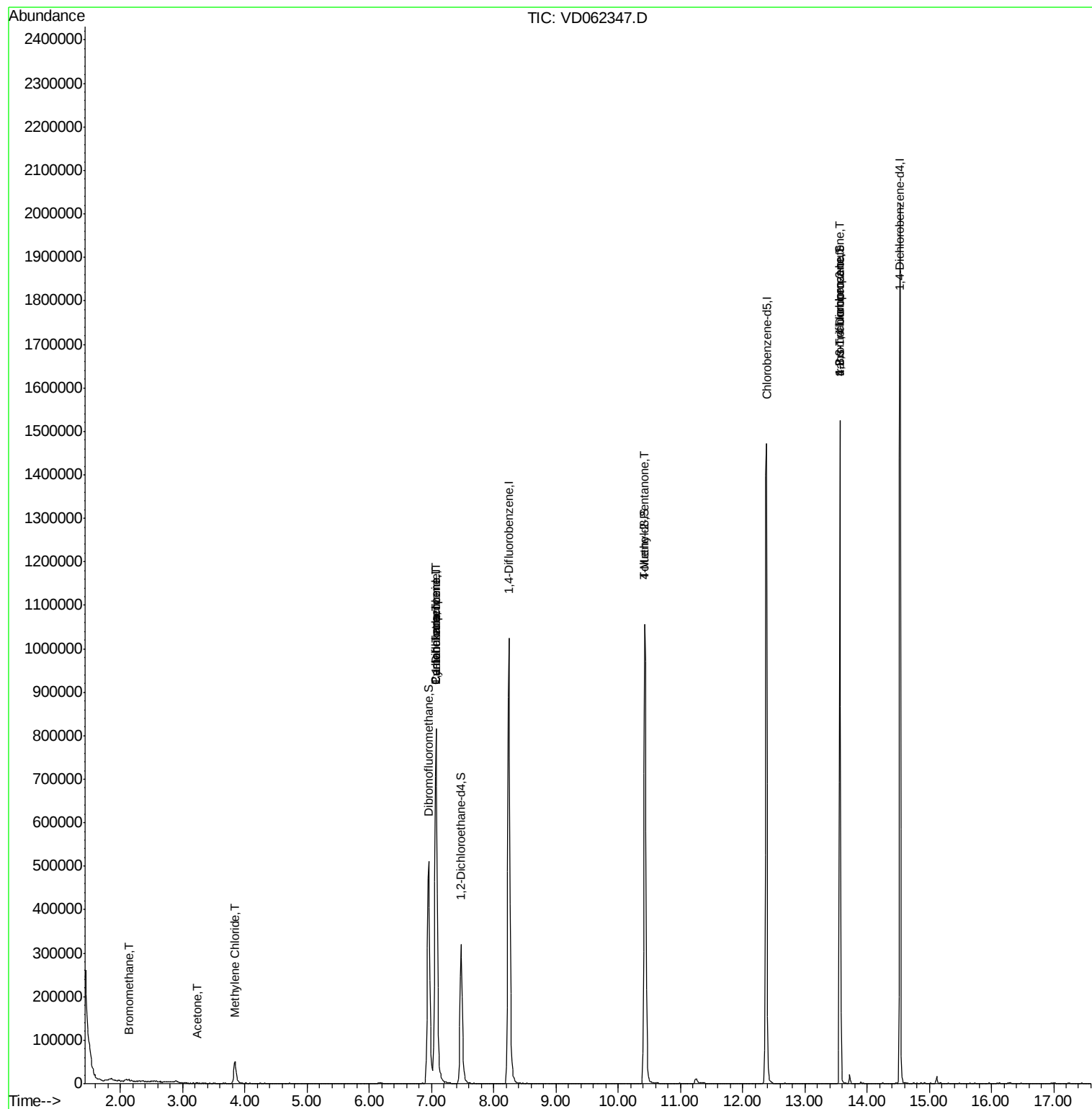
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	1945	1.598	ug/l #	12
16) Acetone	3.23	43	1723	1.156	ug/l #	50
18) Methyl Acetate	3.69	43	181	Below Cal	#	53
20) Methylene Chloride	3.84	84	35776	5.749	ug/l	92
31) Cyclohexane	7.07	56	16494	2.212	ug/l #	3
36) 1,1-Dichloropropene	7.07	75	62429	7.291	ug/l #	48
38) Carbon Tetrachloride	7.07	117	82667	6.975	ug/l #	17
51) 4-Methyl-2-Pentanone	10.42	43	5555	1.678	ug/l #	1
76) 1,2,3-Trichloropropane	13.57	75	173669	34.123	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.57	75	179102	124.654	ug/l #	16

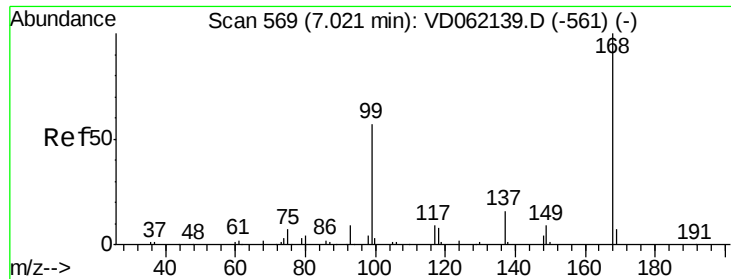
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD062347.D

Acq: 14 May 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

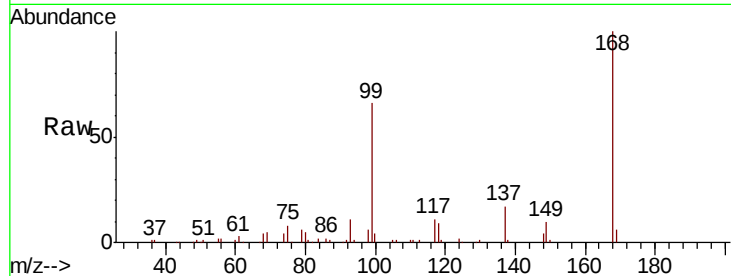
SU-02-050919-B

Tgt Ion:168 Resp: 764693

Ion Ratio Lower Upper

168 100

99 65.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

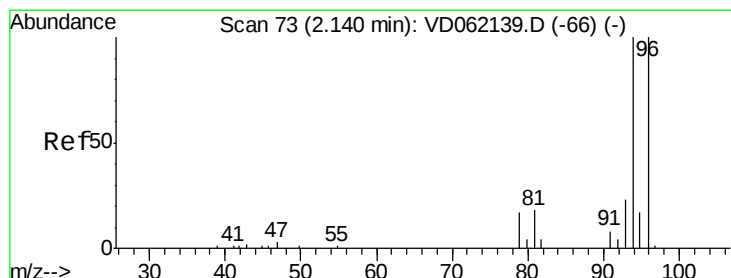
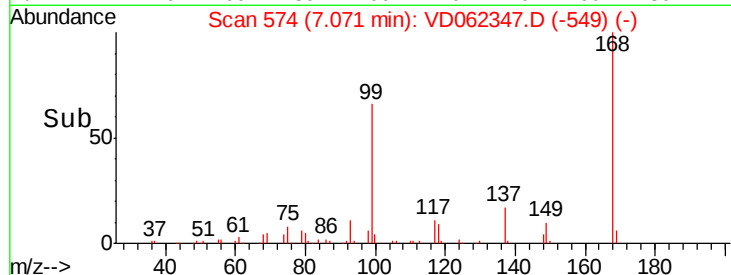
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.598 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD062347.D

Acq: 14 May 2019 15:35

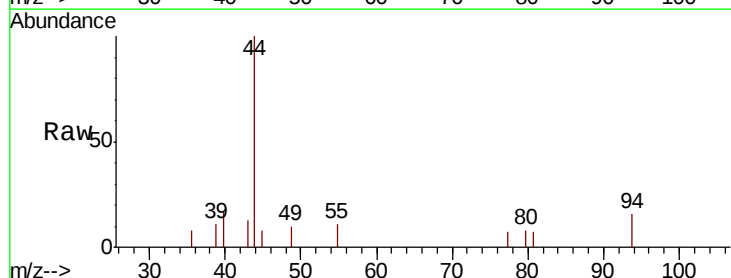
Tgt Ion: 94 Resp: 1945

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

1000

800

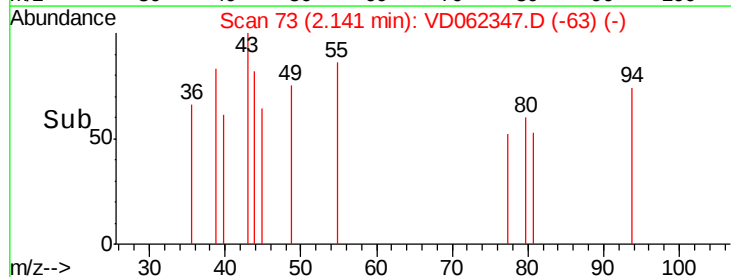
600

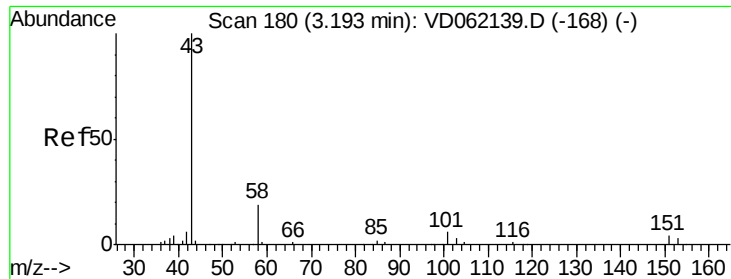
400

200

0

Time--> 2.05 2.10 2.15





#16

Acetone

Concen: 1.156 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062347.D

Acq: 14 May 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

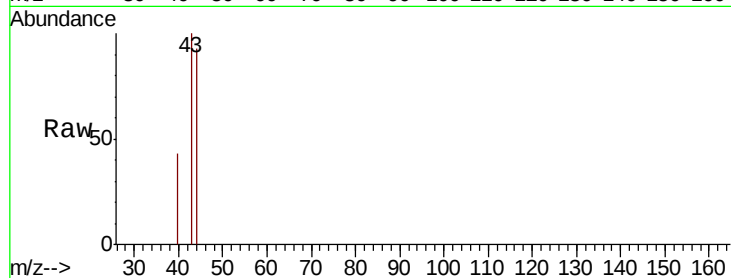
SU-02-050919-B

Tgt Ion: 43 Resp: 1723

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

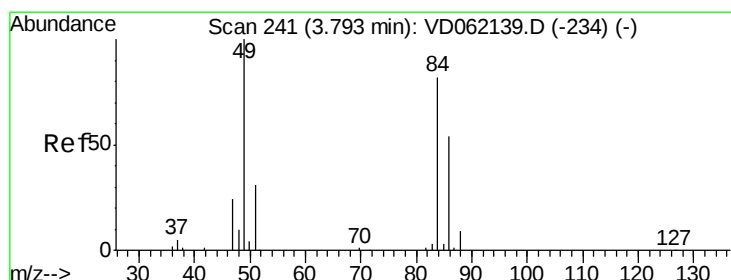
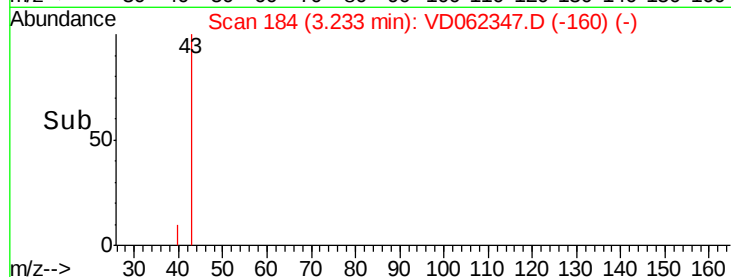
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 5.749 ug/l

RT: 3.84 min Scan# 246

Delta R.T. 0.05 min

Lab File: VD062347.D

Acq: 14 May 2019 15:35

Tgt Ion: 84 Resp: 35776

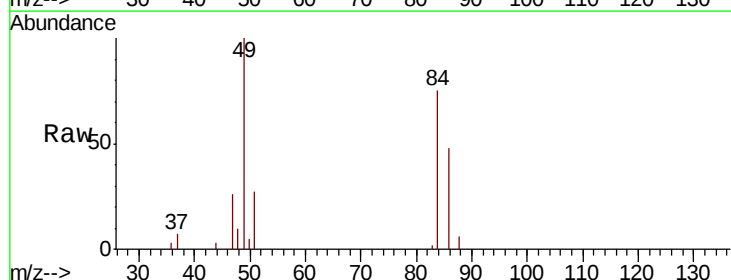
Ion Ratio Lower Upper

84 100

49 133.0 94.0 141.0

51 36.0 29.0 43.4

86 63.2 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

25000

20000

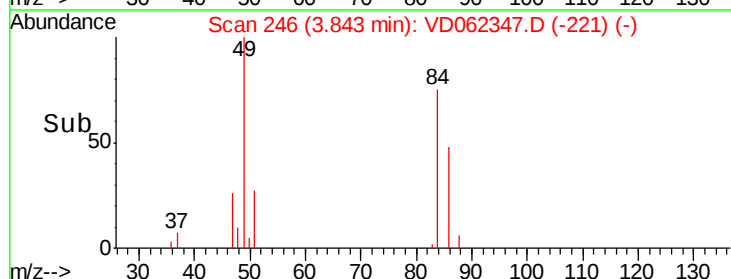
15000

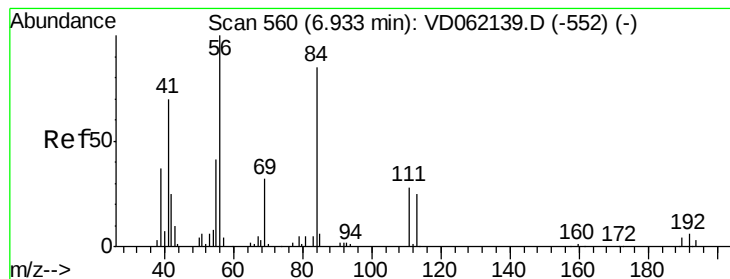
10000

5000

0

Time-->





#31

Cyclohexane

Concen: 2.212 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.14 min

Lab File: VD062347.D

Acq: 14 May 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

SU-02-050919-B

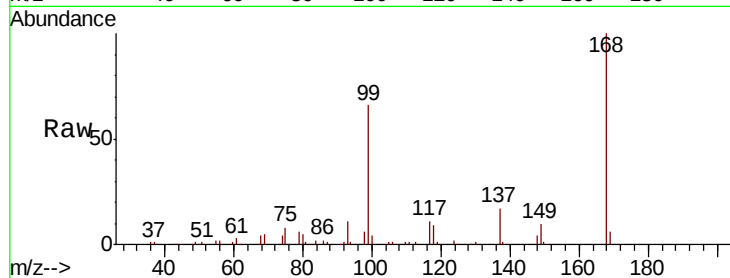
Tgt Ion: 56 Resp: 16494

Ion Ratio Lower Upper

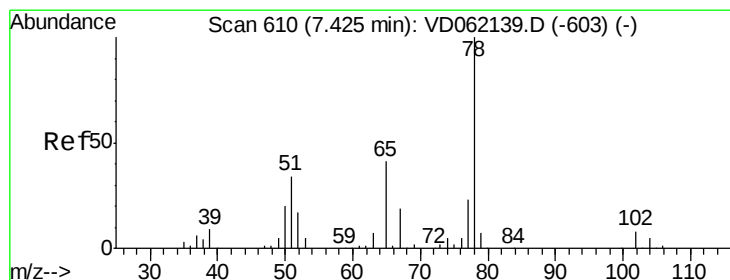
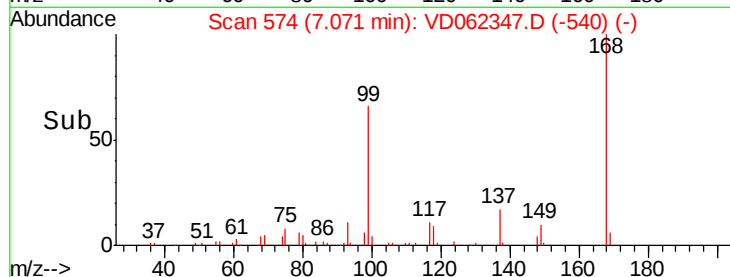
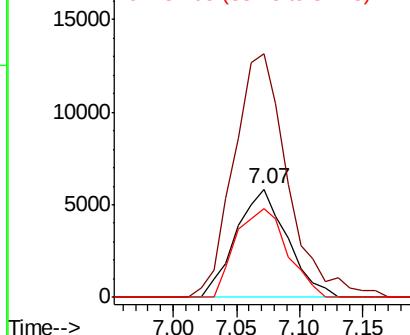
56 100

69 224.8 25.8 38.6#

84 82.0 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: 52.745 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062347.D

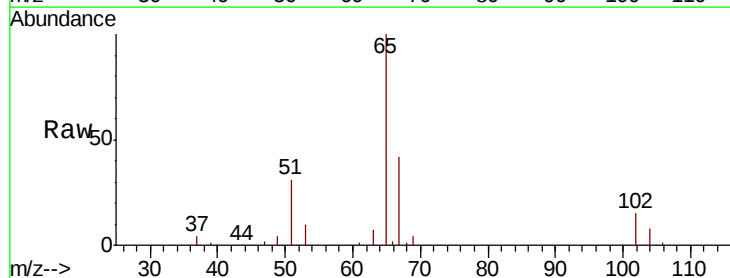
Acq: 14 May 2019 15:35

Tgt Ion: 65 Resp: 374827

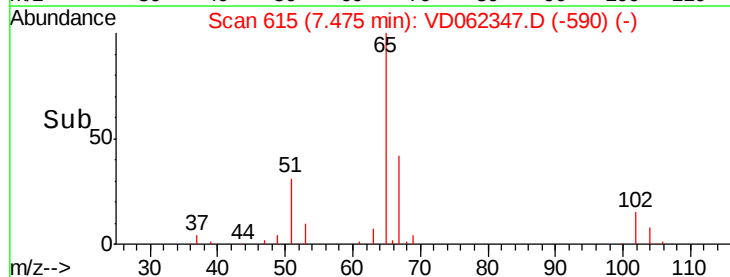
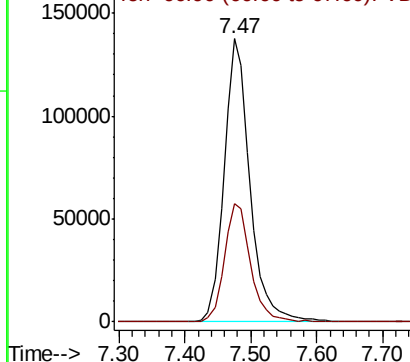
Ion Ratio Lower Upper

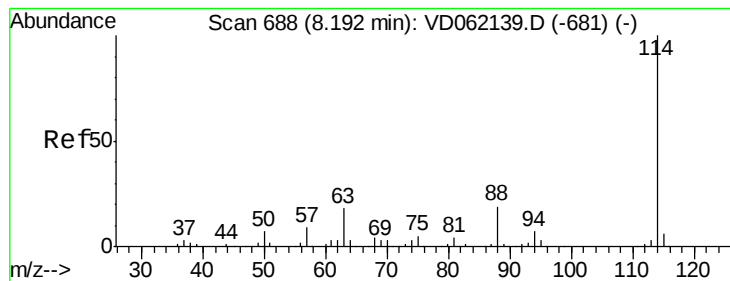
65 100

67 41.7 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: 8.24 min Scan# 693

Delta R.T. 0.05 min

Lab File: VD062347.D

Acq: 14 May 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

SU-02-050919-B

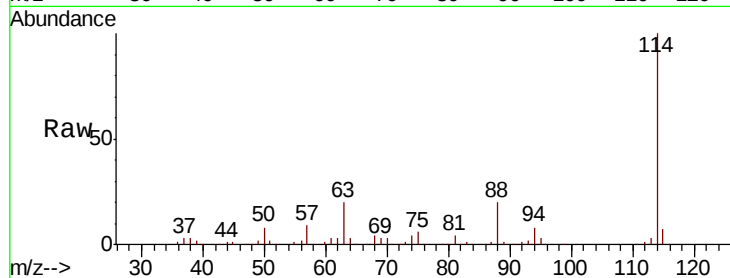
Tgt Ion:114 Resp: 1044381

Ion Ratio Lower Upper

114 100

63 19.7 0.0 32.4

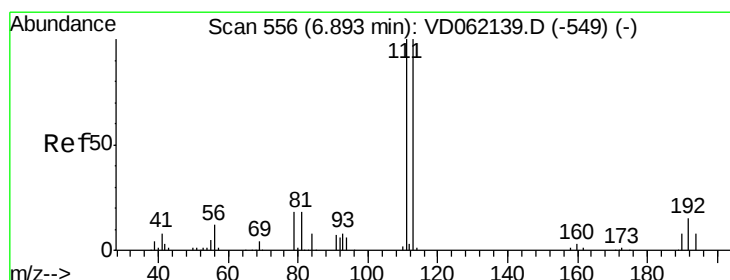
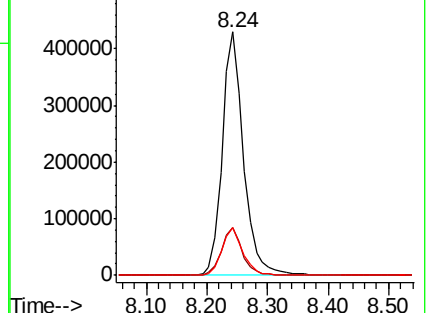
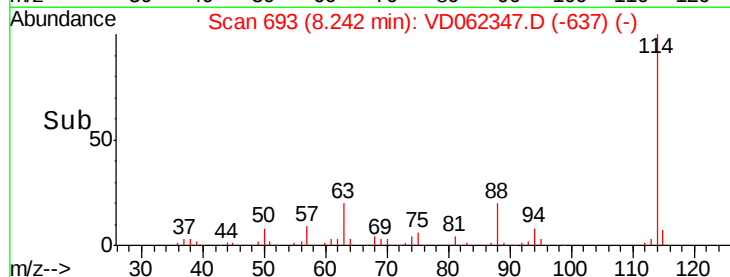
88 19.8 0.0 33.6



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: 52.095 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.06 min

Lab File: VD062347.D

Acq: 14 May 2019 15:35

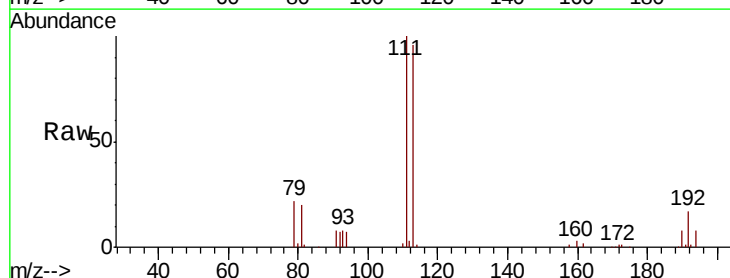
Tgt Ion:113 Resp: 451421

Ion Ratio Lower Upper

113 100

111 104.0 78.5 117.7

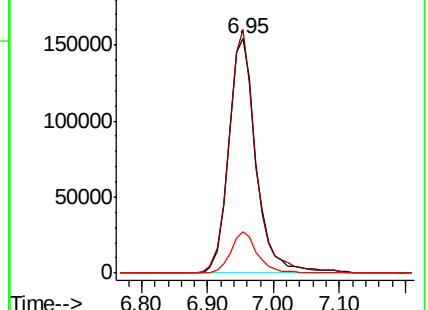
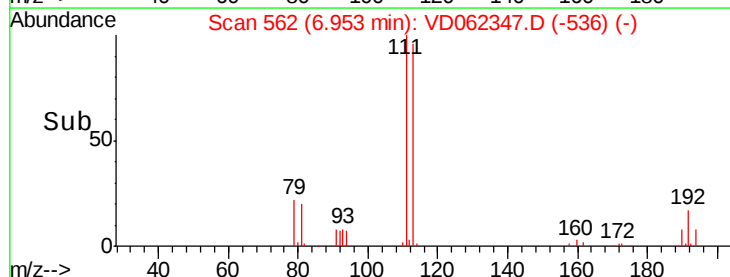
192 17.7 13.0 19.4

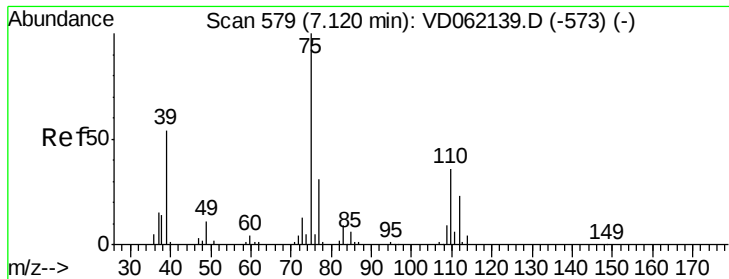


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 7.291 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.05 min

Lab File: VD062347.D

Acq: 14 May 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

SU-02-050919-B

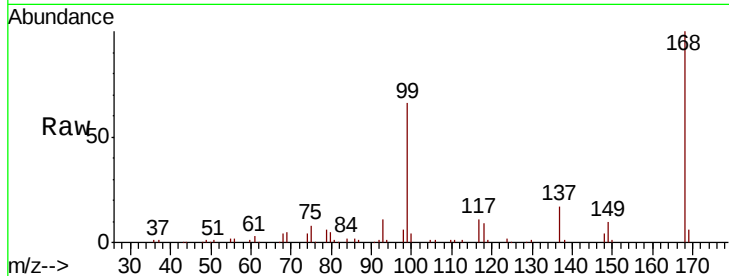
Tgt Ion: 75 Resp: 62429

Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.1#

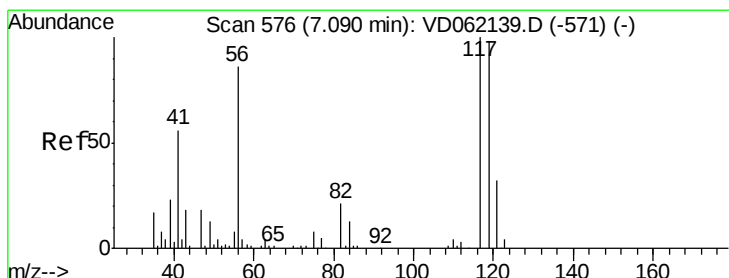
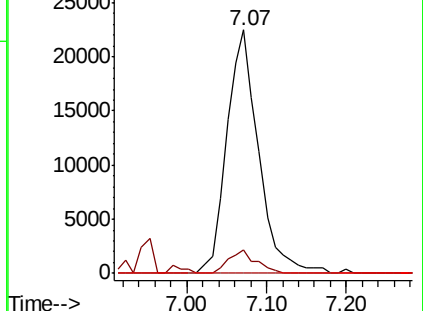
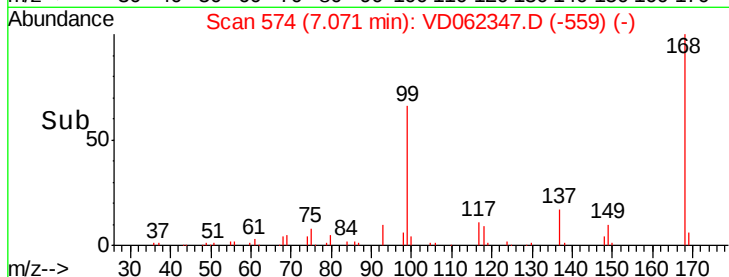
77 0.0 25.6 38.4#



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: 6.975 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.02 min

Lab File: VD062347.D

Acq: 14 May 2019 15:35

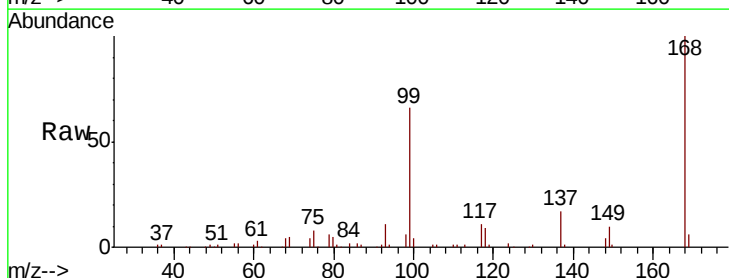
Tgt Ion: 117 Resp: 82667

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.8#

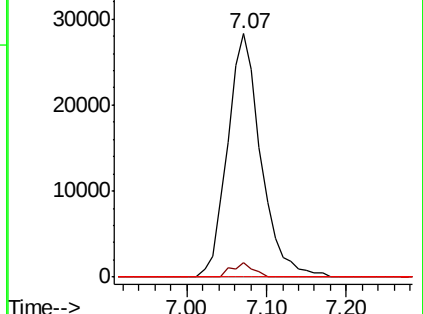
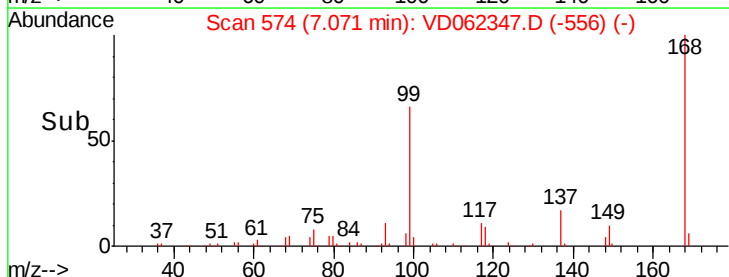
121 0.0 25.9 38.9#

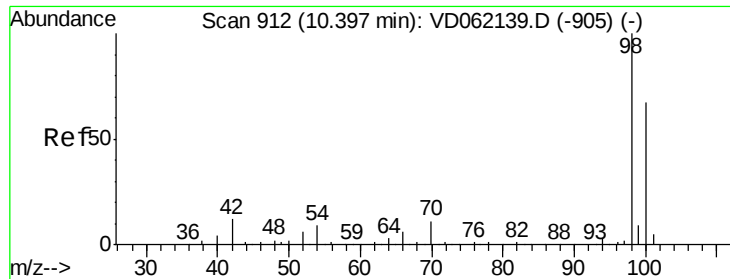


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

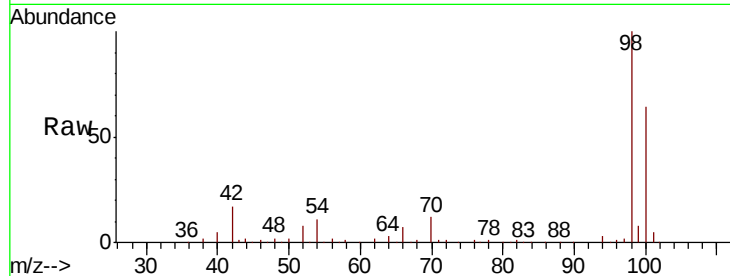




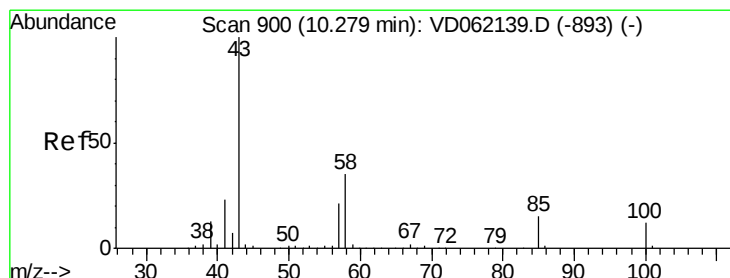
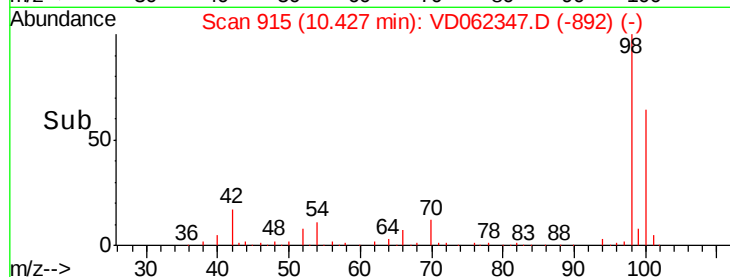
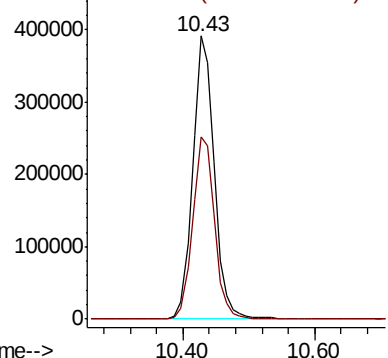
#50
Toluene-d8
Concen: 42.438 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062347.D
Acq: 14 May 2019 15:35

Instrument :
MSVOA_D
ClientSampleId :
SU-02-050919-B

Tgt Ion: 98 Resp: 886646
Ion Ratio Lower Upper
98 100
100 64.4 53.8 80.8

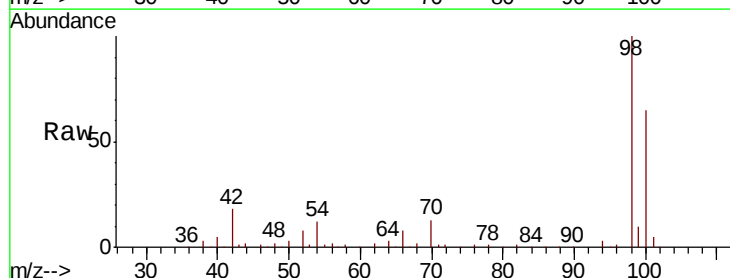


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

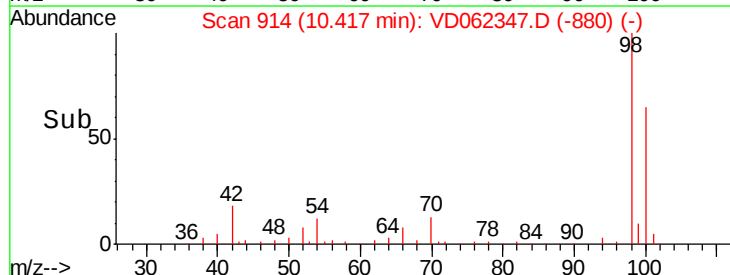
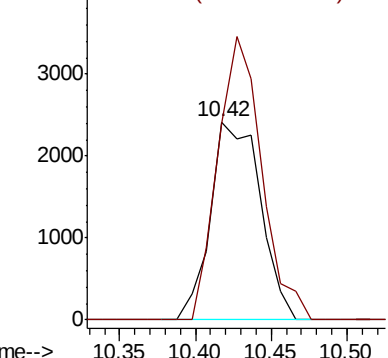


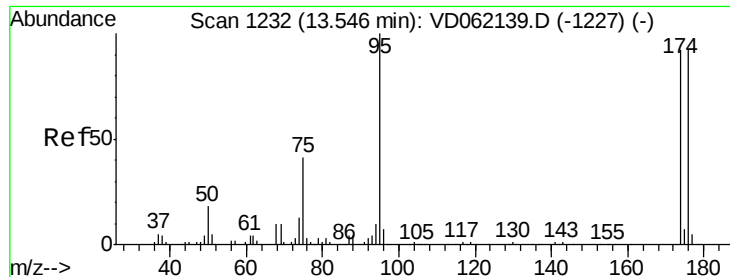
#51
4-Methyl-2-Pentanone
Concen: 1.678 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.14 min
Lab File: VD062347.D
Acq: 14 May 2019 15:35

Tgt Ion: 43 Resp: 5555
Ion Ratio Lower Upper
43 100
58 99.3 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

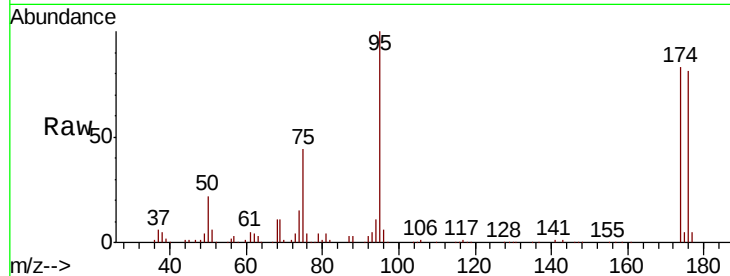




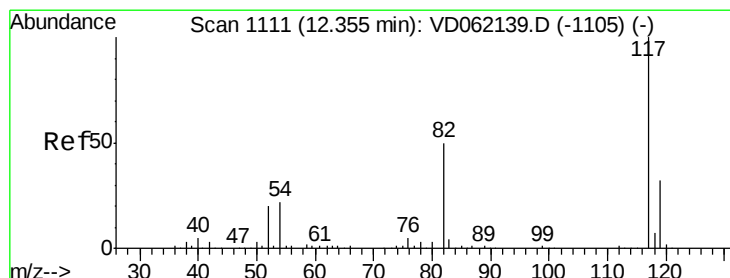
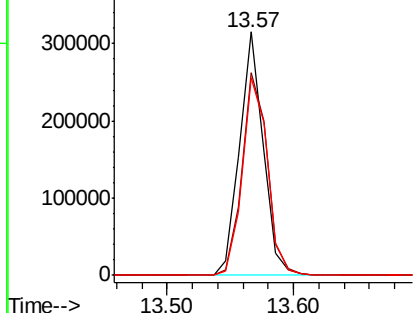
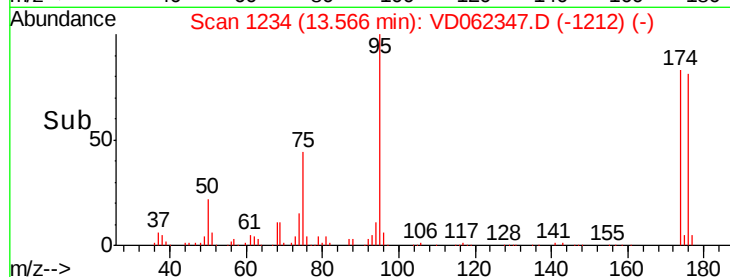
#62
4-Bromofluorobenzene
Concen: 48.215 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD062347.D
Acq: 14 May 2019 15:35

Instrument :
MSVOA_D
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Tgt Ion: 95 Resp: 404514
Ion Ratio Lower Upper
95 100
174 83.1 0.0 181.8
176 81.1 0.0 174.4

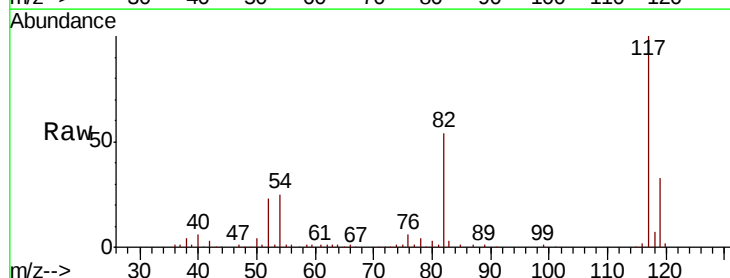


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

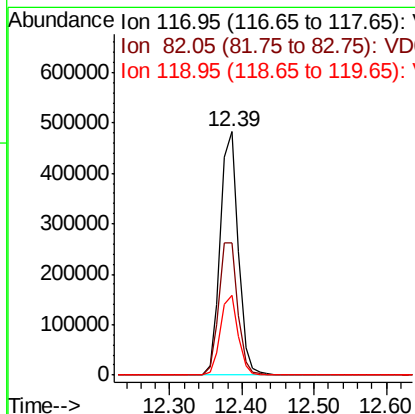
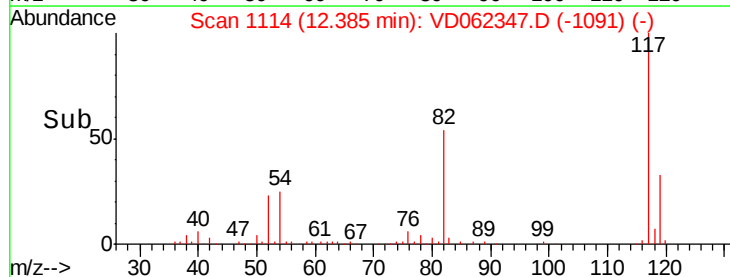


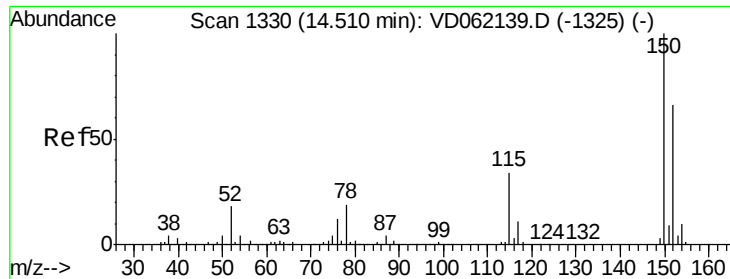
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD062347.D
Acq: 14 May 2019 15:35

Tgt Ion: 117 Resp: 828168
Ion Ratio Lower Upper
117 100
82 54.5 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: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD062347.D

Acq: 14 May 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

SU-02-050919-B

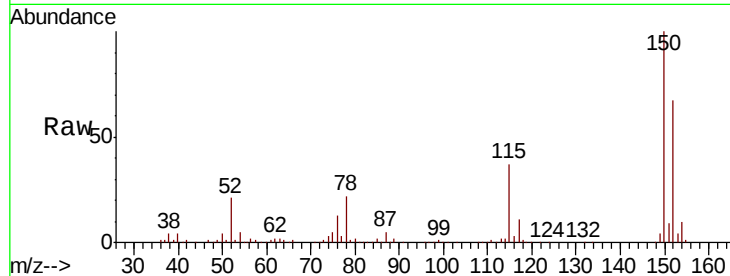
Tgt Ion:152 Resp: 428258

Ion Ratio Lower Upper

152 100

115 55.7 30.9 92.7

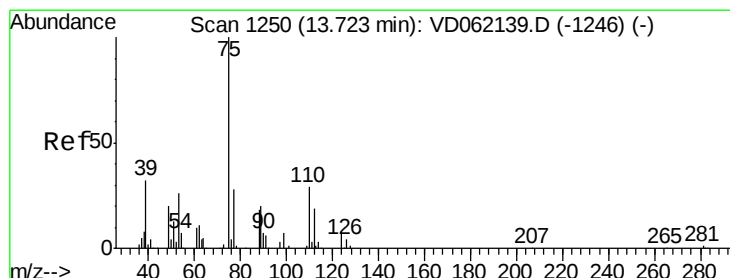
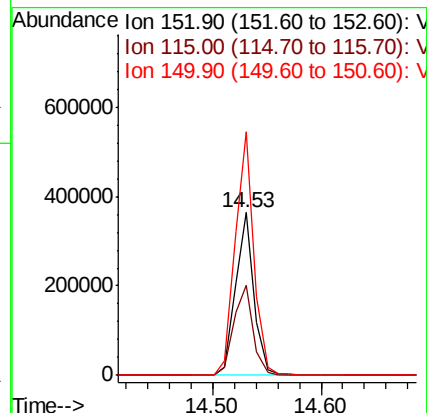
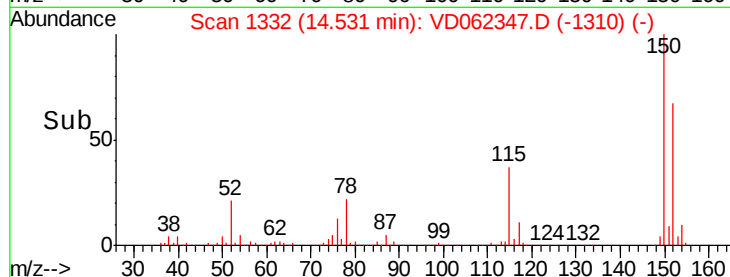
150 149.8 0.0 314.8



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: 34.123 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062347.D

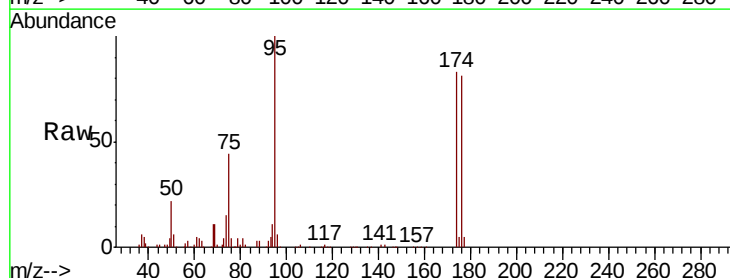
Acq: 14 May 2019 15:35

Tgt Ion: 75 Resp: 173669

Ion Ratio Lower Upper

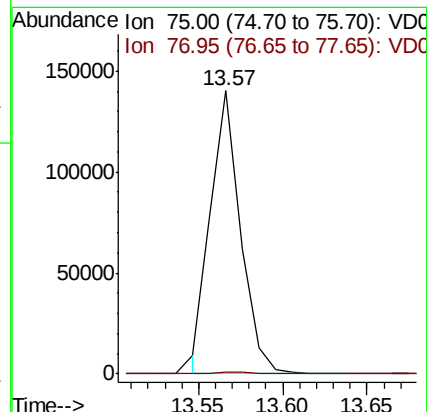
75 100

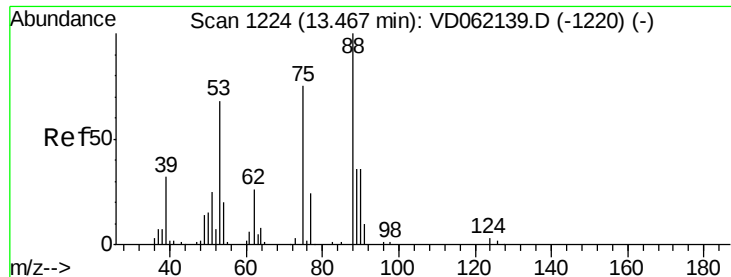
77 0.8 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 124.654 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062347.D

Acq: 14 May 2019 15:35

Instrument :

MSVOA_D

ClientSampleId :

SU-02-050919-B

Tgt Ion: 75 Resp: 179102

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

