

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
 Data File : VD063380.D
 Acq On : 5 Aug 2019 15:00
 Operator : VA/AP
 Sample : K4090-01
 Misc : 6.07g/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-080219-A

Quant Time: Aug 06 07:49:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	977868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1406568	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1184216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	614498	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	502414	46.30	ug/l	0.00
Spiked Amount						
			Recovery	=	92.60%	
35) Dibromofluoromethane	6.92	113	606229	50.48	ug/l	0.00
Spiked Amount						
			Recovery	=	100.96%	
50) Toluene-d8	10.41	98	1370207	50.98	ug/l	0.00
Spiked Amount						
			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	13.55	95	567028	46.30	ug/l	0.00
Spiked Amount						
			Recovery	=	92.60%	

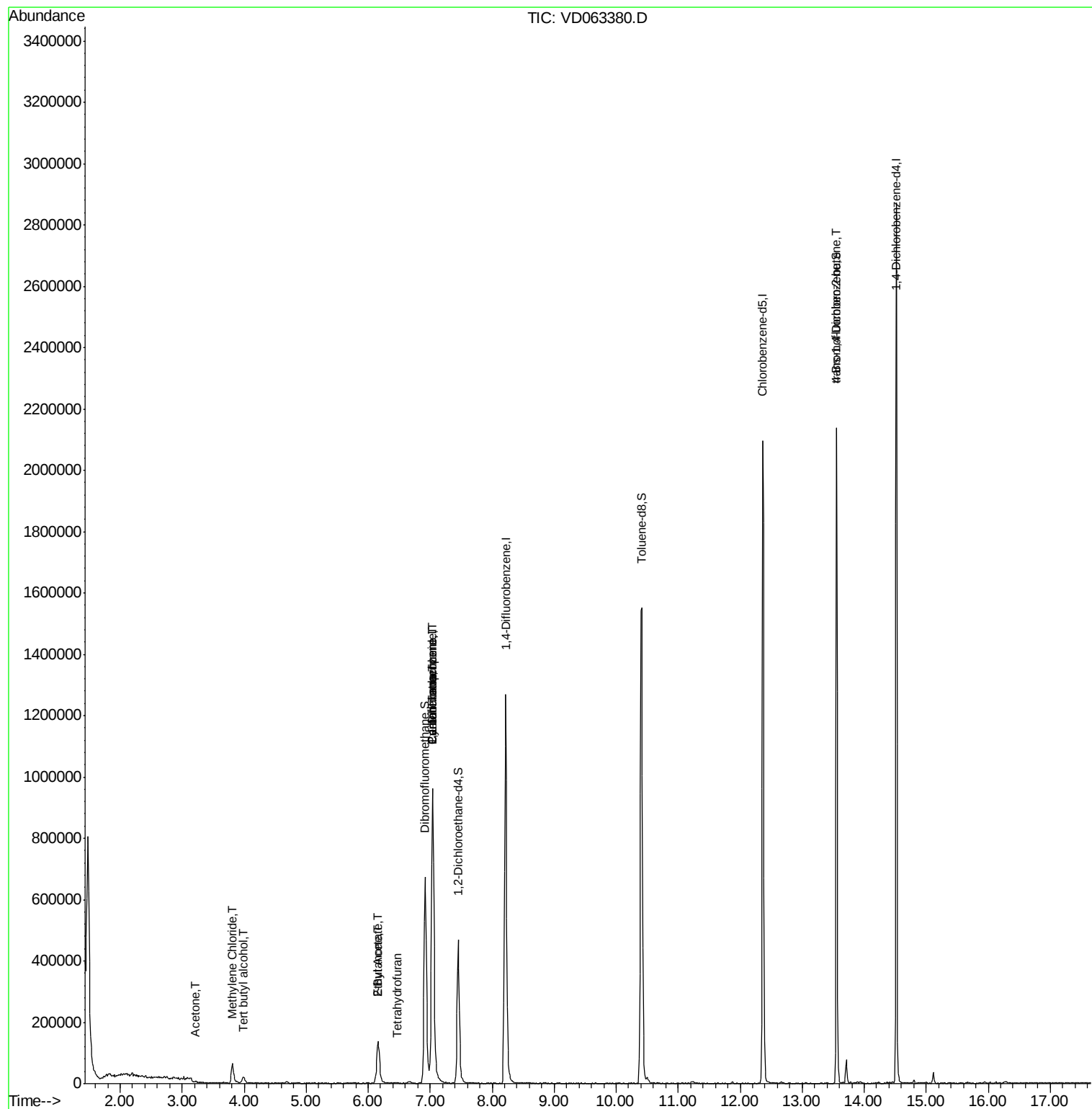
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	19152	40.221	ug/l #	69
16) Acetone	3.22	43	6741	3.189	ug/l #	62
20) Methylene Chloride	3.81	84	40175	4.701	ug/l	89
25) 2-Butanone	6.16	43	9187	4.330	ug/l #	56
29) Tetrahydrofuran	6.47	42	1565	1.558	ug/l #	68
31) Cyclohexane	7.05	56	21601	2.235	ug/l #	27
36) 1,1-Dichloropropene	7.04	75	75113	5.851	ug/l #	50
37) Ethyl Acetate	6.16	43	9188	1.593	ug/l #	1
38) Carbon Tetrachloride	7.04	117	93938	4.861	ug/l #	11
81) trans-1,4-Dichloro-2-buten	13.55	75	253019	123.452	ug/l #	3

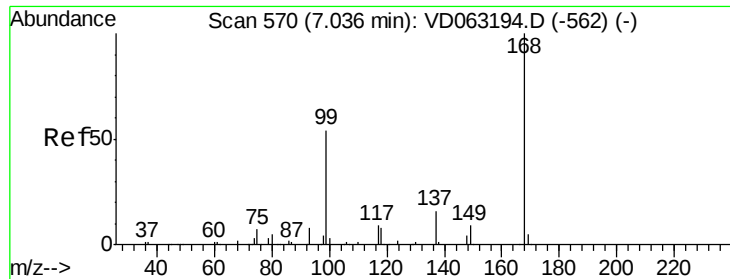
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
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Quant Time: Aug 06 07:49:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063380.D

Acq: 5 Aug 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

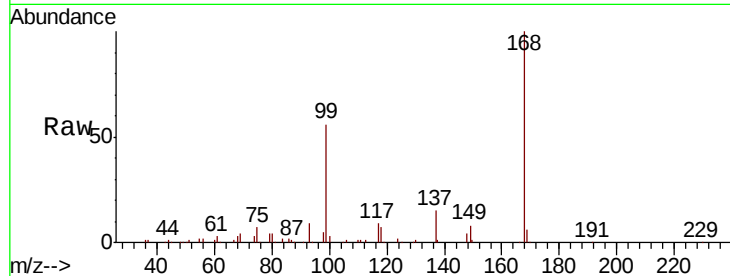
OR-02-080219-A

Tgt Ion:168 Resp: 977868

Ion Ratio Lower Upper

168 100

99 55.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

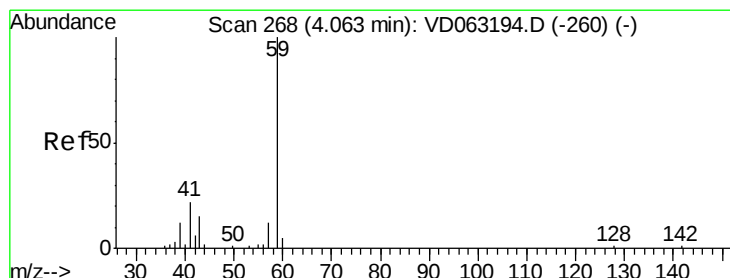
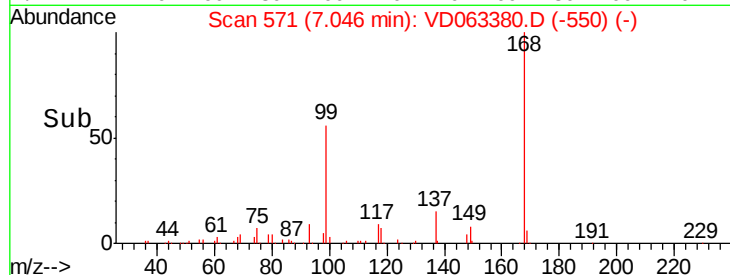
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 40.221 ug/l

RT: 3.98 min Scan# 260

Delta R.T. -0.08 min

Lab File: VD063380.D

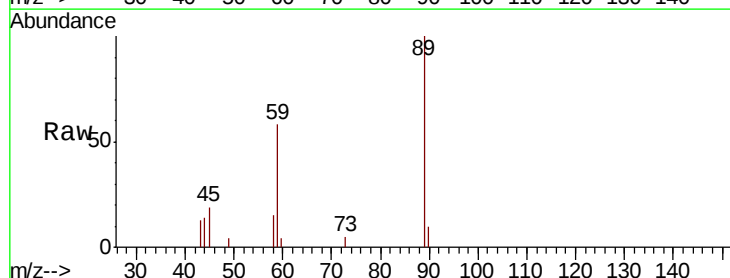
Acq: 5 Aug 2019 15:00

Tgt Ion: 59 Resp: 19152

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.98

6000

5000

4000

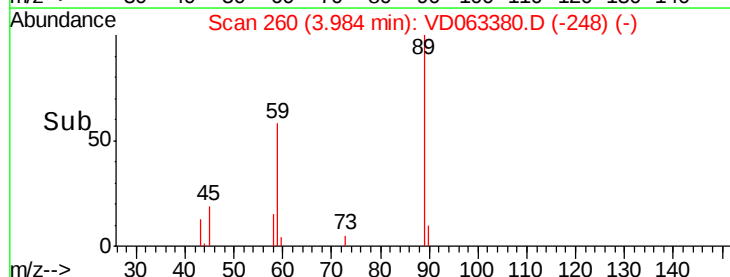
3000

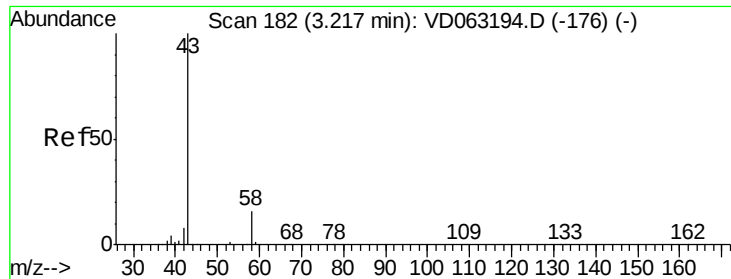
2000

1000

0

Time-->

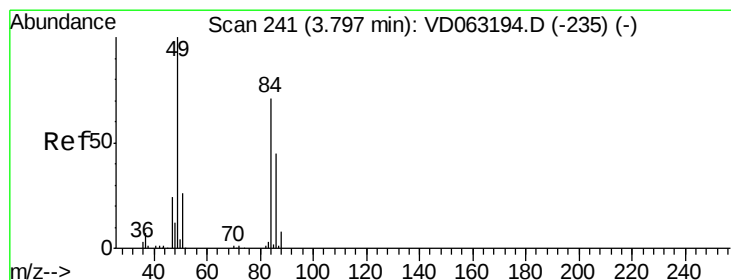
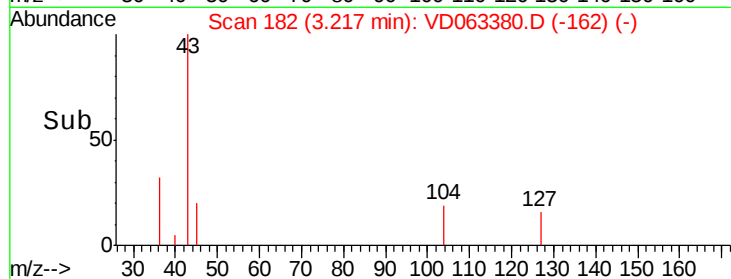
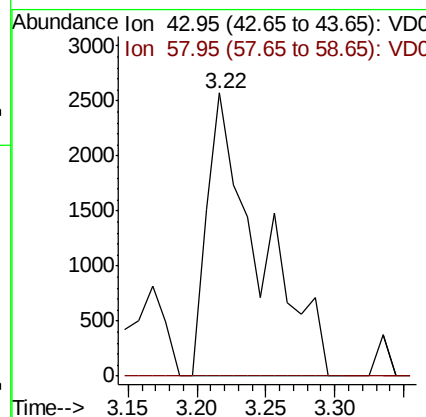
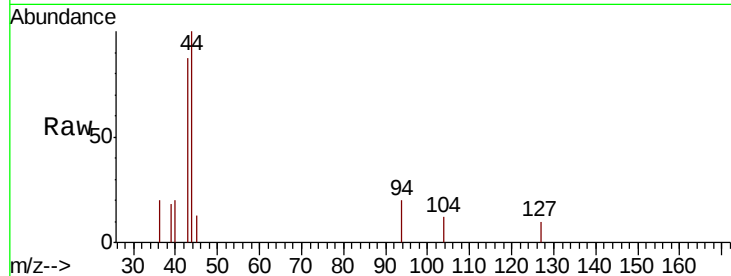




#16
Acetone
Concen: 3.189 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.00 min
Lab File: VD063380.D
Acq: 5 Aug 2019 15:00

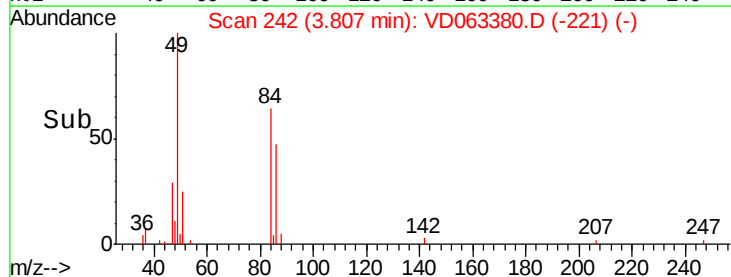
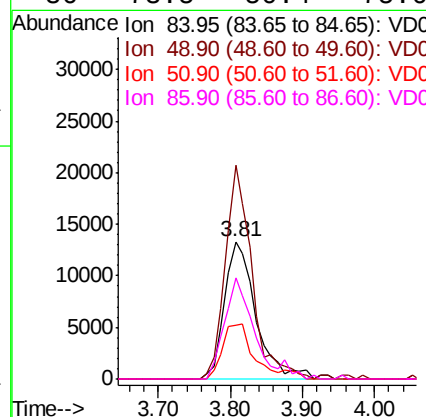
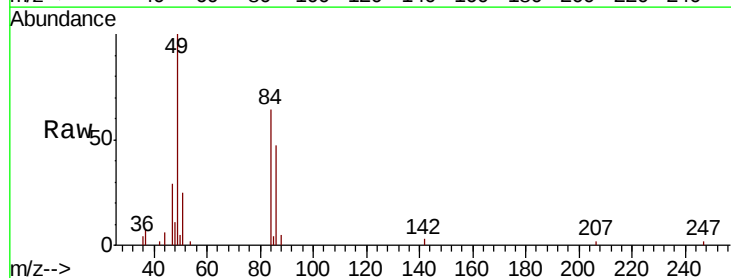
Instrument :
MSVOA_D
ClientSampleId :
OR-02-080219-A

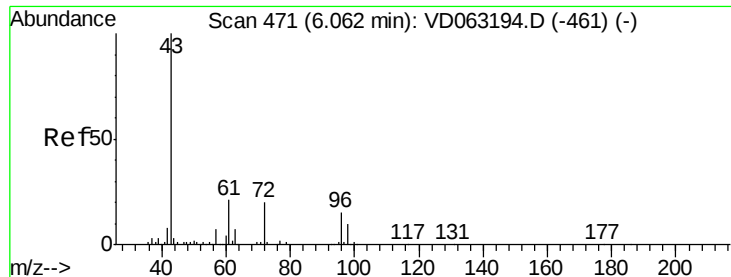
Tgt Ion: 43 Resp: 6741
Ion Ratio Lower Upper
43 100
58 0.0 13.0 19.4#



#20
Methylene Chloride
Concen: 4.701 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063380.D
Acq: 5 Aug 2019 15:00

Tgt Ion: 84 Resp: 40175
Ion Ratio Lower Upper
84 100
49 155.8 112.5 168.7
51 39.0 29.6 44.4
86 73.5 50.4 75.6





#25

2-Butanone

Concen: 4.330 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.10 min

Lab File: VD063380.D

Acq: 5 Aug 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

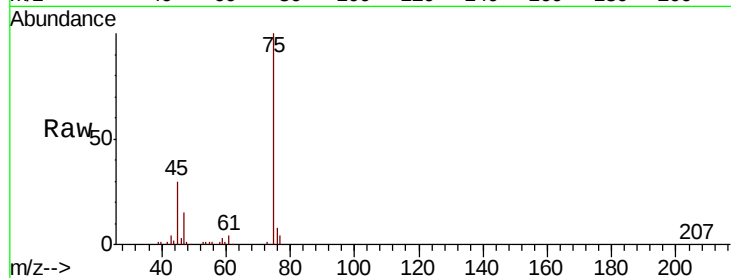
OR-02-080219-A

Tgt Ion: 43 Resp: 9187

Ion Ratio Lower Upper

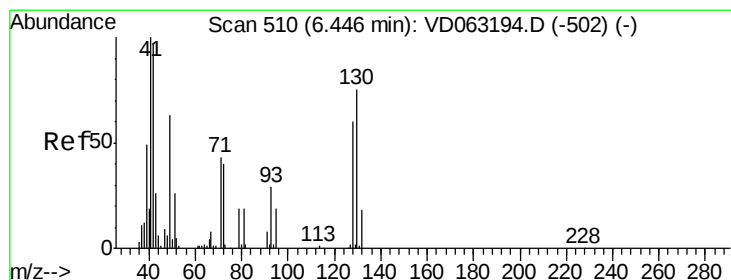
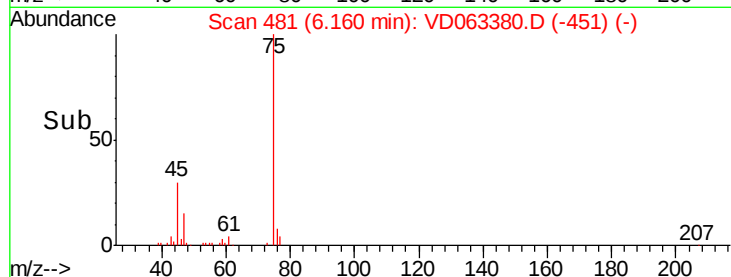
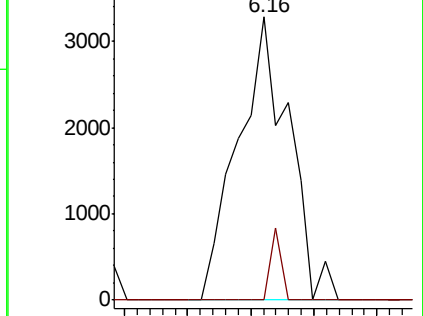
43 100

72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.558 ug/l

RT: 6.47 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063380.D

Acq: 5 Aug 2019 15:00

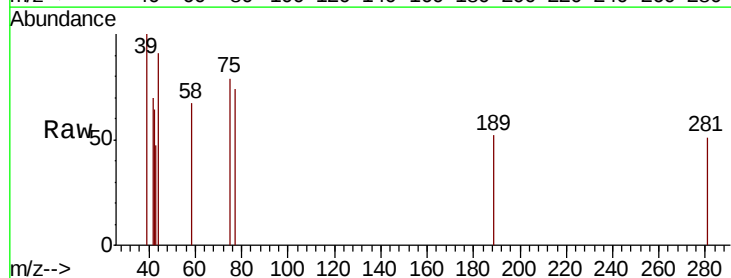
Tgt Ion: 42 Resp: 1565

Ion Ratio Lower Upper

42 100

72 15.5 33.4 50.2#

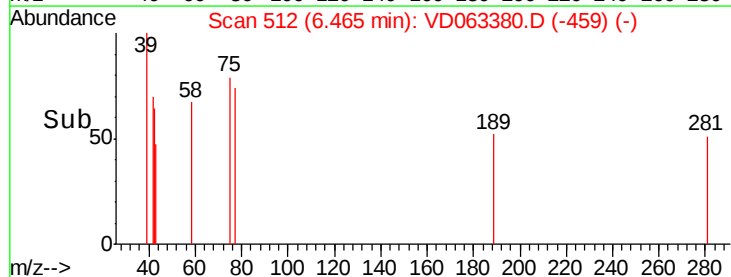
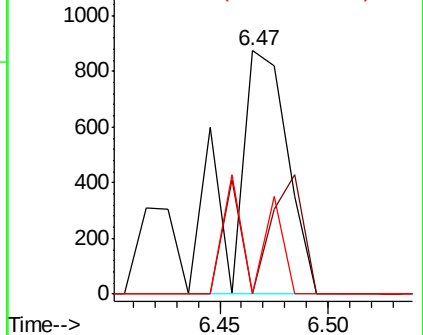
71 29.5 35.7 53.5#

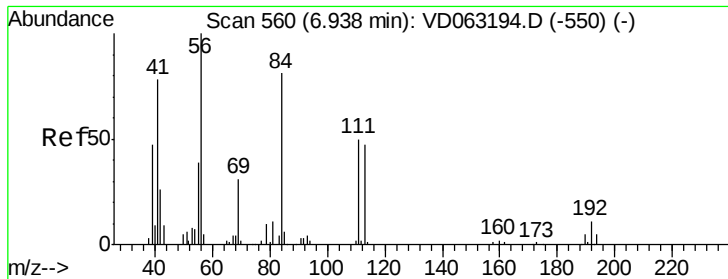


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

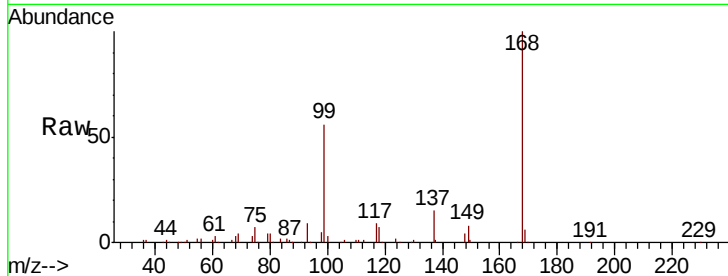




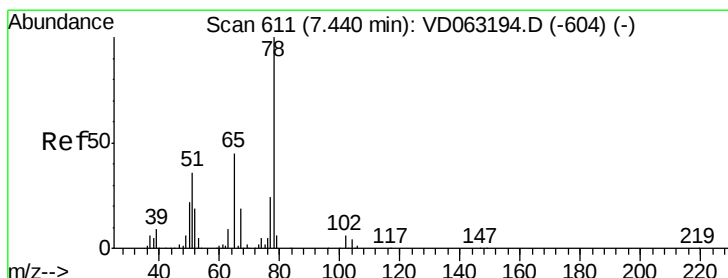
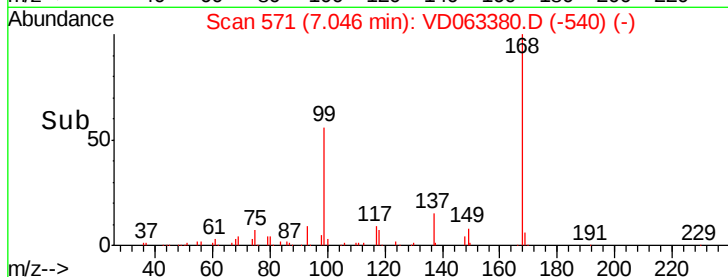
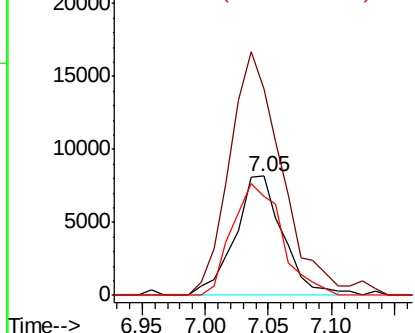
#31
Cyclohexane
Concen: 2.235 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063380.D
Acq: 5 Aug 2019 15:00

Instrument :
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OR-02-080219-A

Tgt Ion: 56 Resp: 21601
Ion Ratio Lower Upper
56 100
69 172.7 24.5 36.7#
84 82.8 64.9 97.3

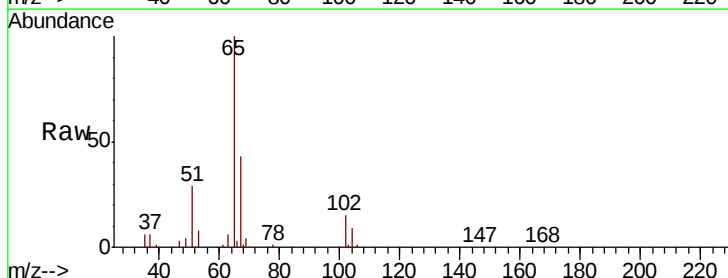


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

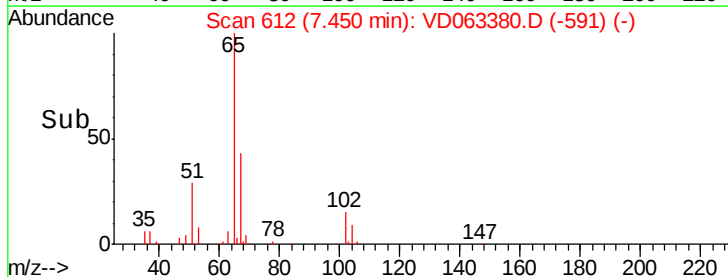
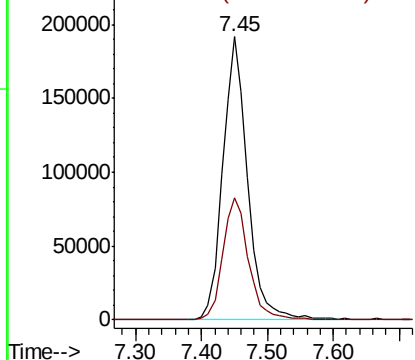


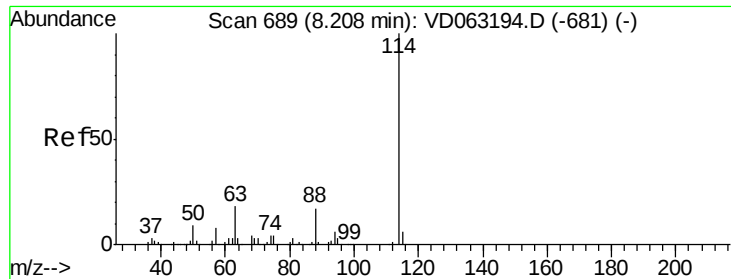
#33
1,2-Dichloroethane-d4
Concen: 46.304 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063380.D
Acq: 5 Aug 2019 15:00

Tgt Ion: 65 Resp: 502414
Ion Ratio Lower Upper
65 100
67 43.0 0.0 85.8



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# 690

Delta R.T. 0.01 min

Lab File: VD063380.D

Acq: 5 Aug 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

OR-02-080219-A

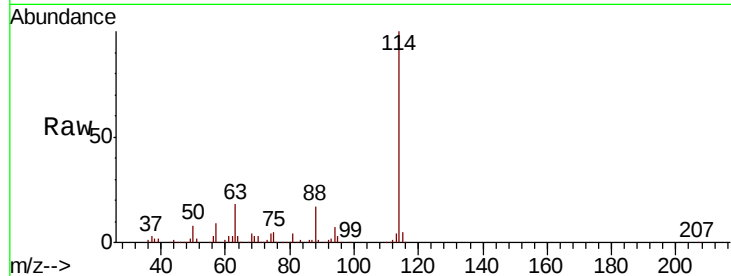
Tgt Ion:114 Resp: 1406568

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.2

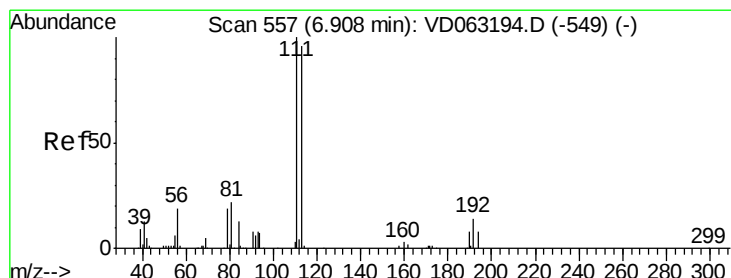
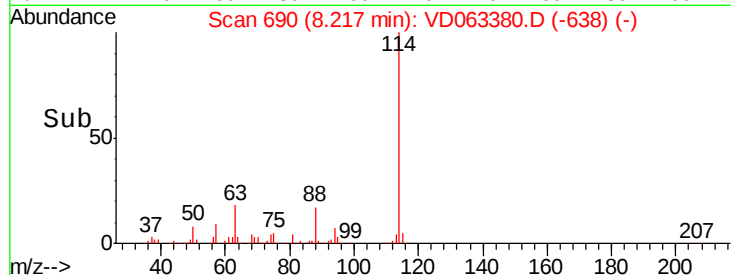
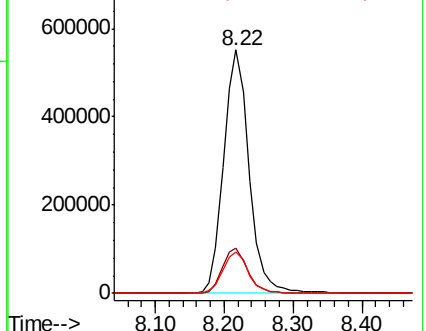
88 17.2 0.0 34.6



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: 50.481 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063380.D

Acq: 5 Aug 2019 15:00

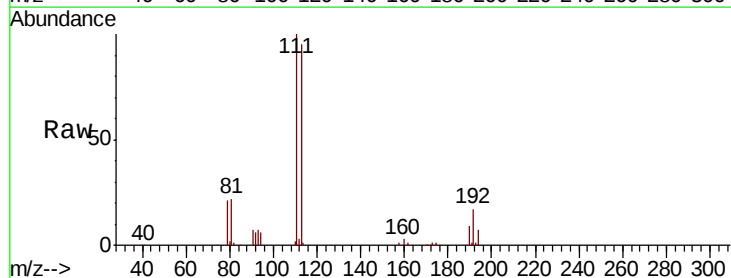
Tgt Ion:113 Resp: 606229

Ion Ratio Lower Upper

113 100

111 105.1 83.2 124.8

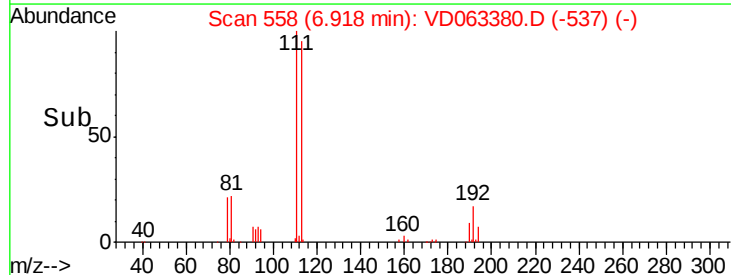
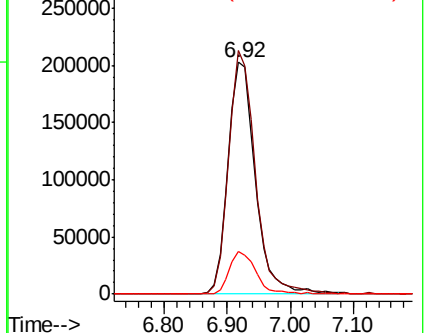
192 18.2 11.8 17.8#

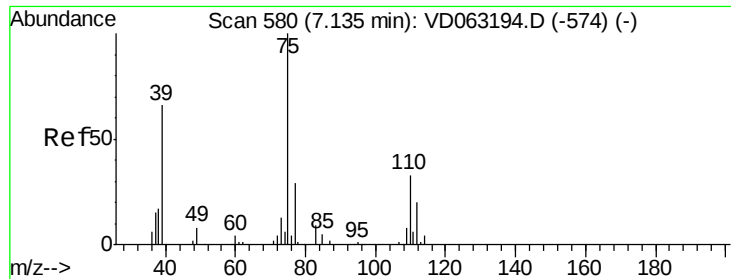


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.851 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063380.D

Acq: 5 Aug 2019 15:00

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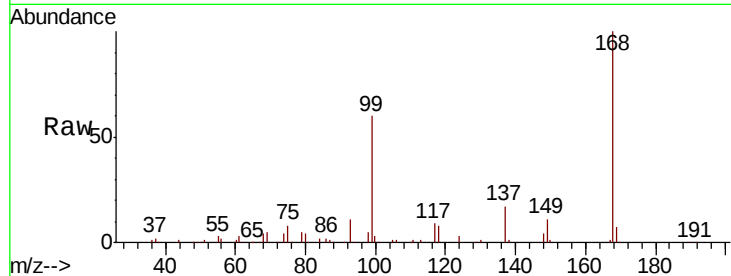
Tgt Ion: 75 Resp: 75113

Ion Ratio Lower Upper

75 100

110 6.3 16.1 48.2#

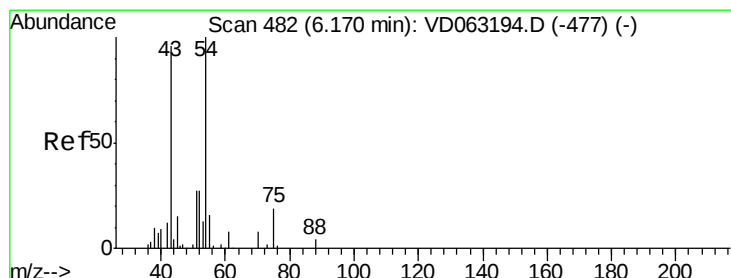
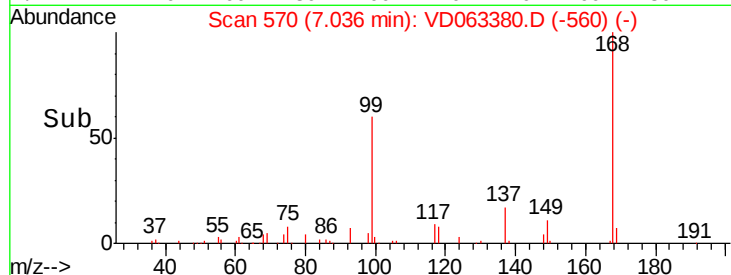
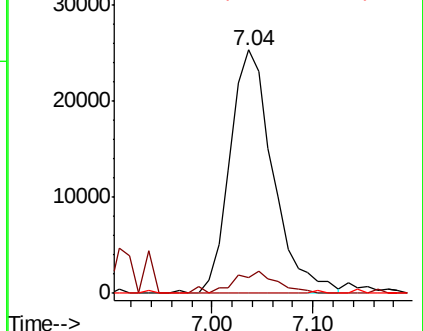
77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.593 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD063380.D

Acq: 5 Aug 2019 15:00

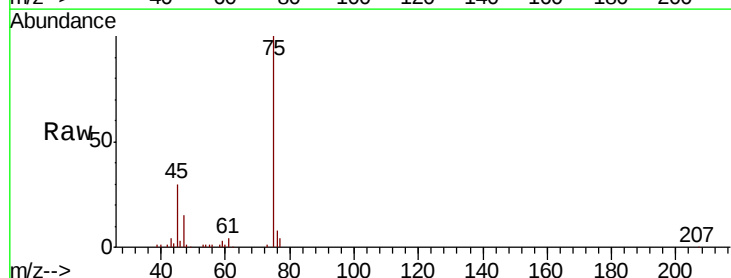
Tgt Ion: 43 Resp: 9188

Ion Ratio Lower Upper

43 100

61 90.2 11.3 16.9#

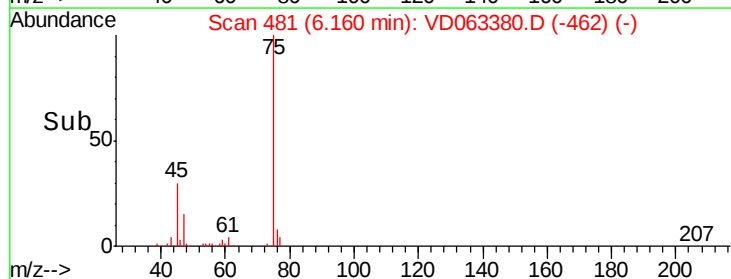
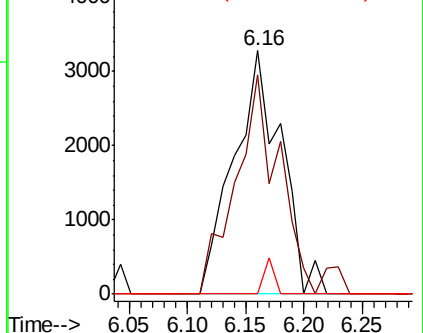
70 0.0 5.1 7.7#

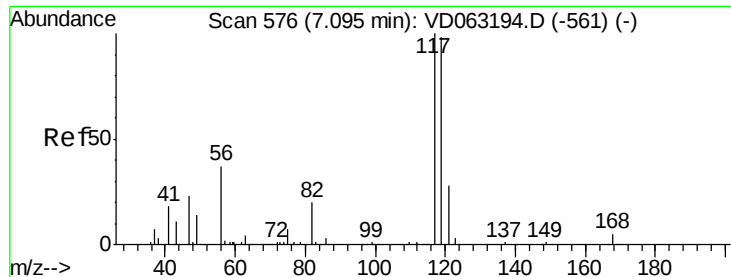


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 4.861 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063380.D

Acq: 5 Aug 2019 15:00

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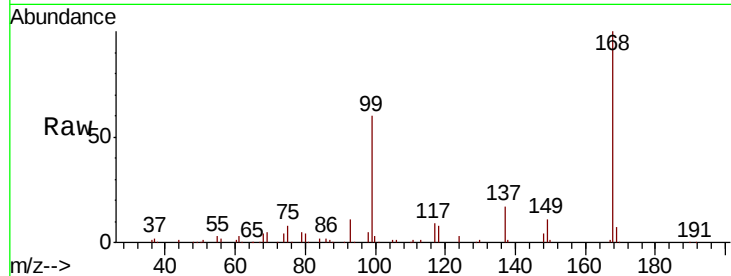
Tgt Ion:117 Resp: 93938

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

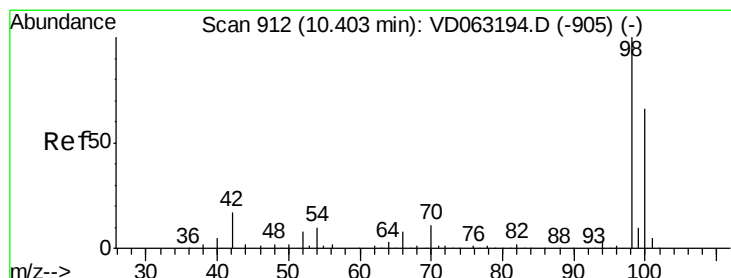
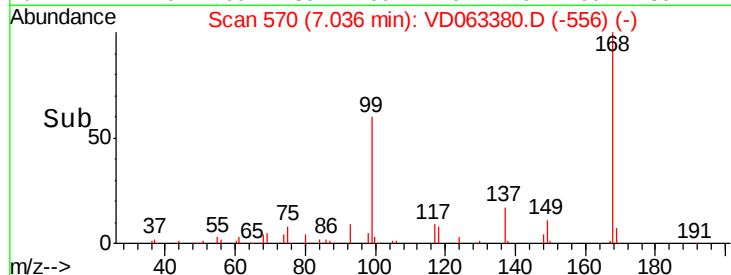
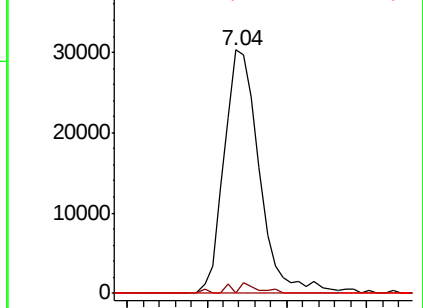
121 0.0 22.1 33.1#



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: 50.982 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063380.D

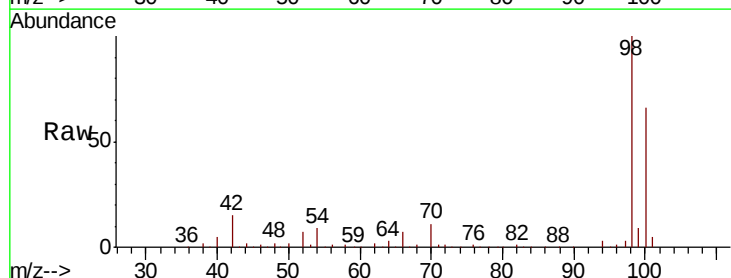
Acq: 5 Aug 2019 15:00

Tgt Ion: 98 Resp: 1370207

Ion Ratio Lower Upper

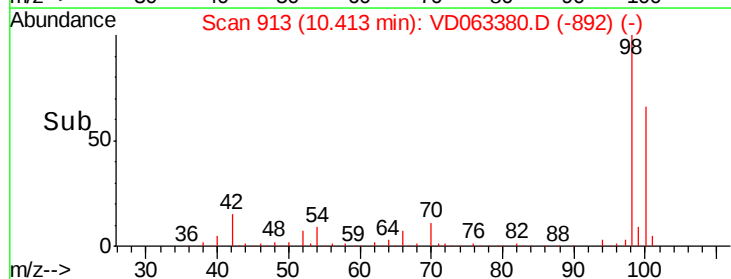
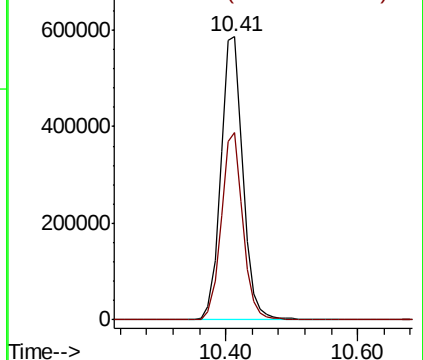
98 100

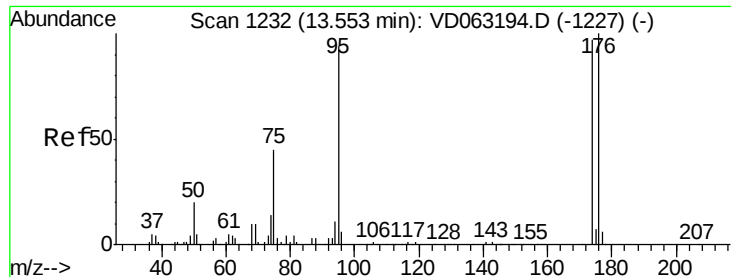
100 66.0 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 46.298 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063380.D

Acq: 5 Aug 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

OR-02-080219-A

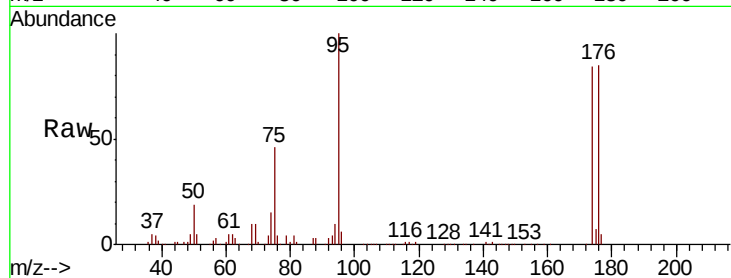
Tgt Ion: 95 Resp: 567028

Ion Ratio Lower Upper

95 100

174 84.2 0.0 205.4

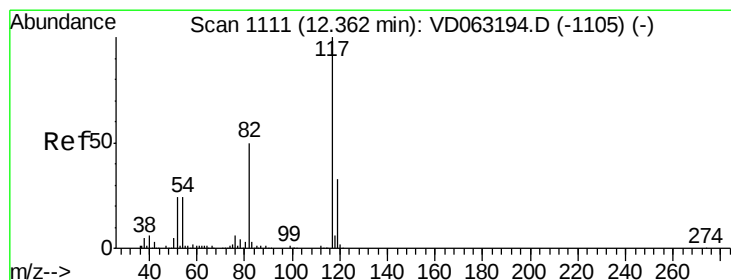
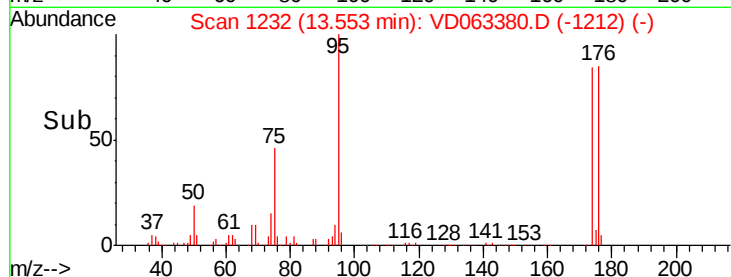
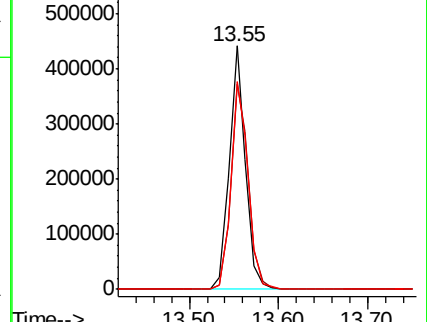
176 85.3 0.0 211.8



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: 12.36 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD063380.D

Acq: 5 Aug 2019 15:00

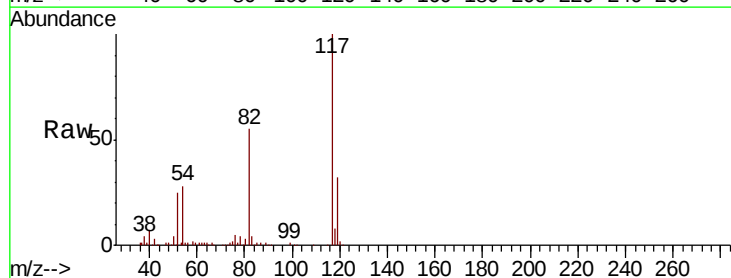
Tgt Ion: 117 Resp: 1184216

Ion Ratio Lower Upper

117 100

82 54.6 40.1 60.1

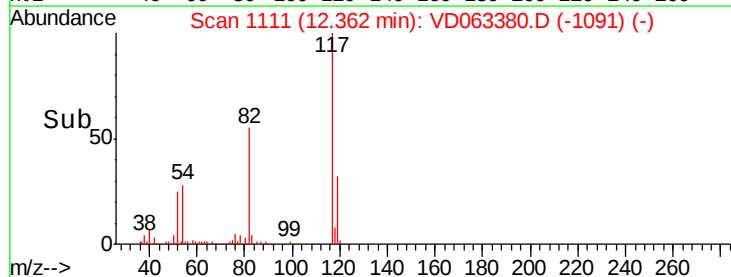
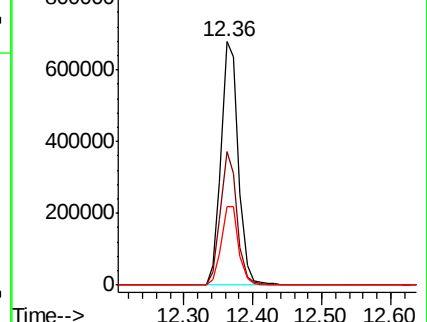
119 32.1 26.5 39.7

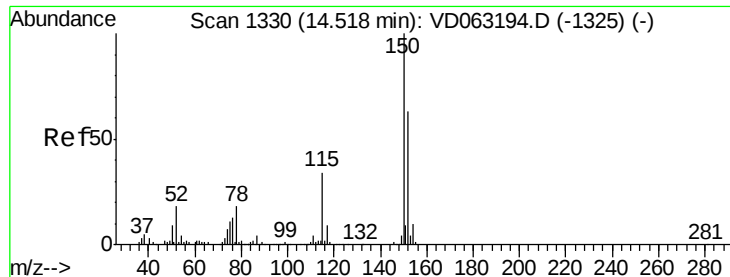


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. 0.00 min

Lab File: VD063380.D

Acq: 5 Aug 2019 15:00

Instrument :

MSVOA_D

ClientSampleId :

OR-02-080219-A

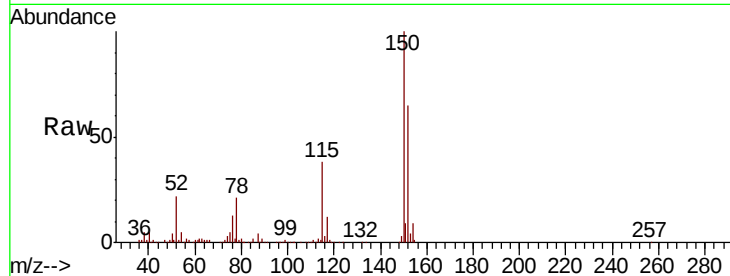
Tgt Ion:152 Resp: 614498

Ion Ratio Lower Upper

152 100

115 58.9 27.5 82.4

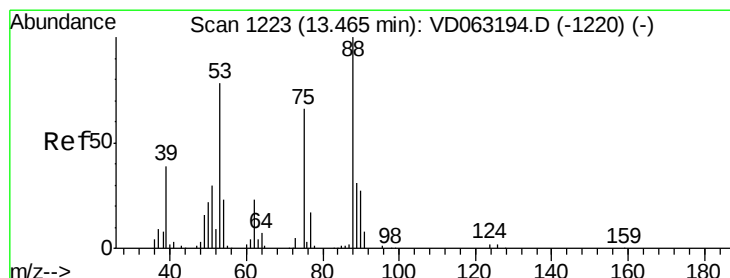
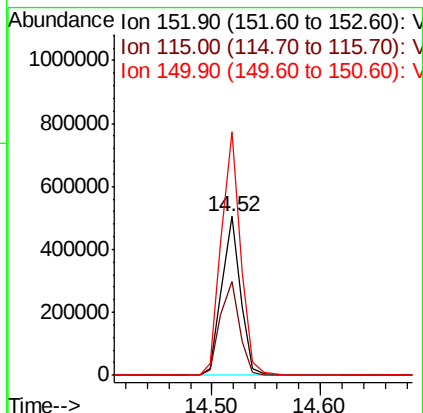
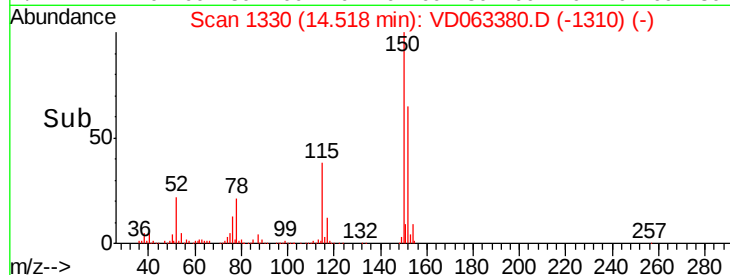
150 153.1 0.0 320.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 123.452 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063380.D

Acq: 5 Aug 2019 15:00

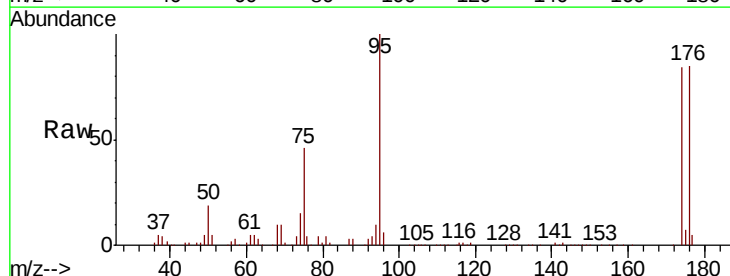
Tgt Ion: 75 Resp: 253019

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

