

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
 Data File : VD063387.D
 Acq On : 5 Aug 2019 18:11
 Operator : VA/AP
 Sample : K4130-19RE
 Misc : 5.70g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-M-(30)

Quant Time: Aug 06 07:51:40 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	7.04	168	975721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1482205	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1163596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	572054	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	522000	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
35) Dibromofluoromethane	6.92	113	593008	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
50) Toluene-d8	10.40	98	1291588	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	
62) 4-Bromofluorobenzene	13.55	95	520788	40.35	ug/l	0.00
Spiked Amount			Recovery	=	80.70%	

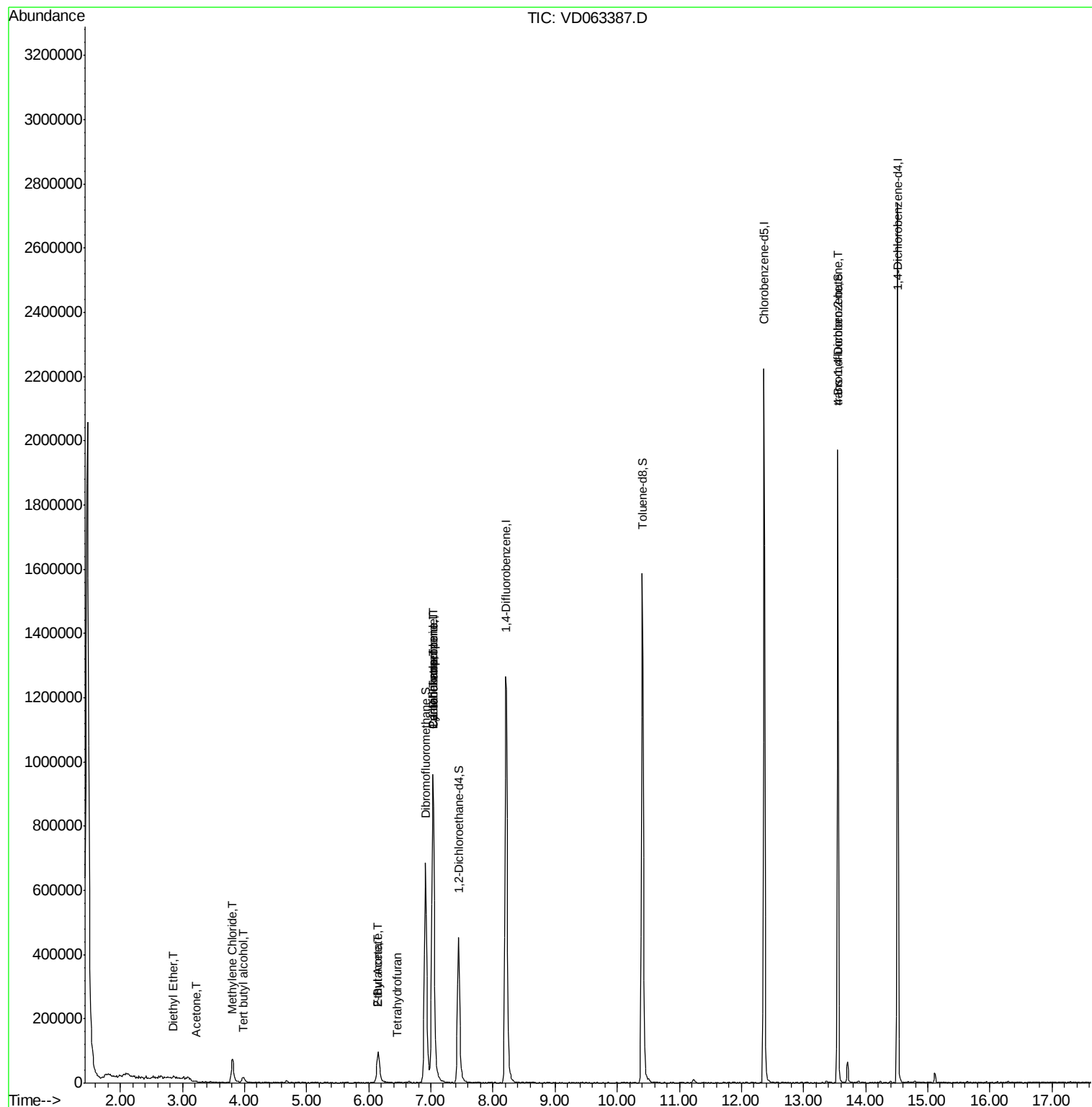
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.86	74	2930	1.125	ug/l	74
11) Tert butyl alcohol	3.98	59	14489	30.495	ug/l #	69
16) Acetone	3.22	43	4576	2.169	ug/l #	76
20) Methylene Chloride	3.81	84	49616	5.819	ug/l	93
25) 2-Butanone	6.14	43	8538	4.033	ug/l #	56
29) Tetrahydrofuran	6.46	42	1406	1.403	ug/l #	59
31) Cyclohexane	7.04	56	20162	2.091	ug/l #	8
36) 1,1-Dichloropropene	7.04	75	75056	5.549	ug/l #	54
37) Ethyl Acetate	6.14	43	8539	1.405	ug/l #	22
38) Carbon Tetrachloride	7.04	117	97686	4.797	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	232960	122.099	ug/l #	3

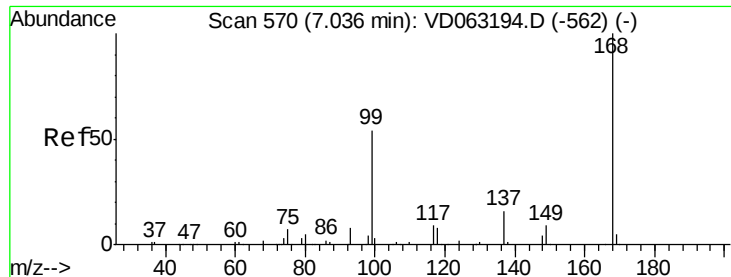
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
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Quant Time: Aug 06 07:51:40 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: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD063387.D

Acq: 5 Aug 2019 18:11

Instrument :

MSVOA_D

ClientSampleId :

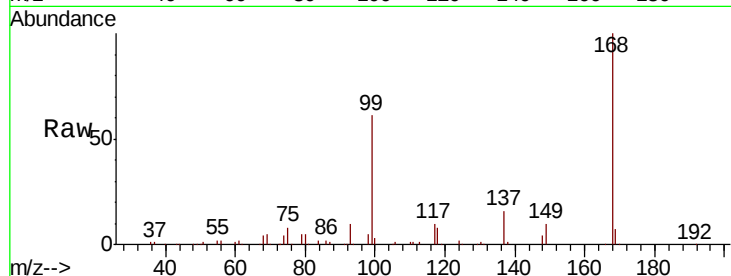
1S-M-(30)

Tgt Ion:168 Resp: 975721

Ion Ratio Lower Upper

168 100

99 61.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

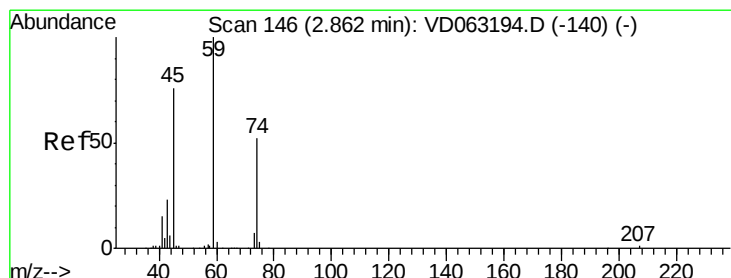
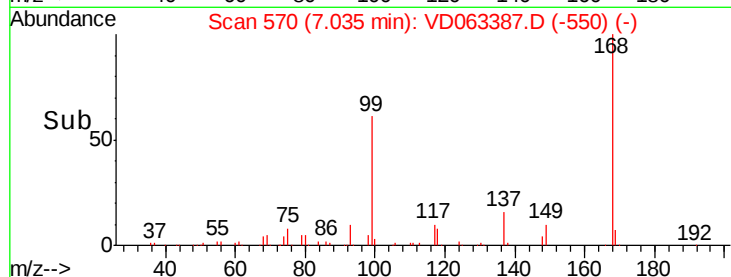
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#8

Diethyl Ether

Concen: 1.125 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.00 min

Lab File: VD063387.D

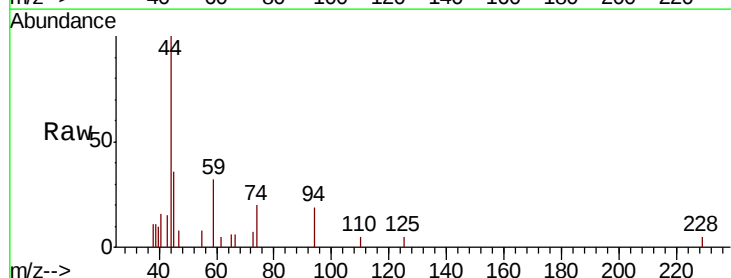
Acq: 5 Aug 2019 18:11

Tgt Ion: 74 Resp: 2930

Ion Ratio Lower Upper

74 100

45 179.7 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2500

2000

1500

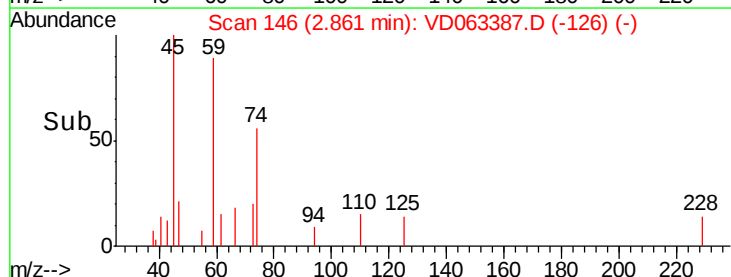
1000

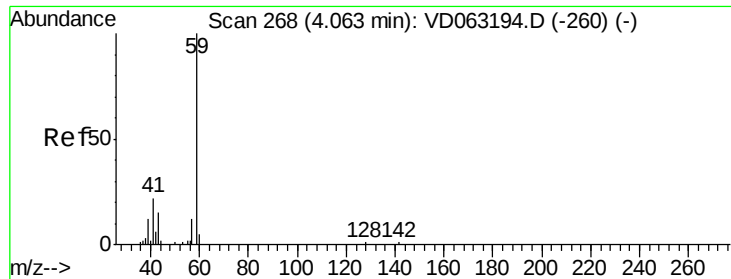
500

0

Time-->

2.80 2.85 2.90

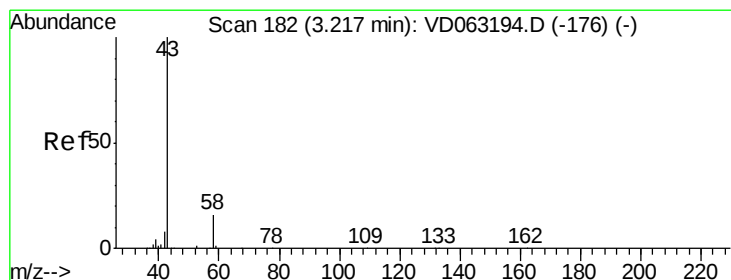
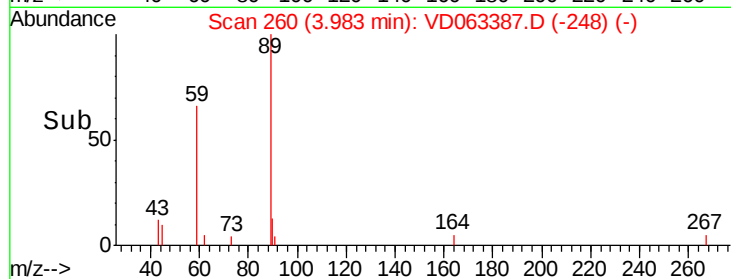
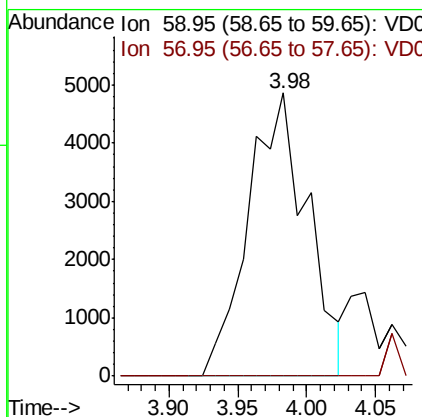
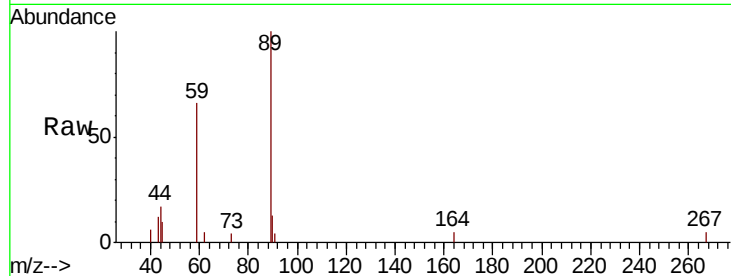




#11
Tert butyl alcohol
Concen: 30.495 ug/l
RT: 3.98 min Scan# 260
Delta R.T. -0.08 min
Lab File: VD063387.D
Acq: 5 Aug 2019 18:11

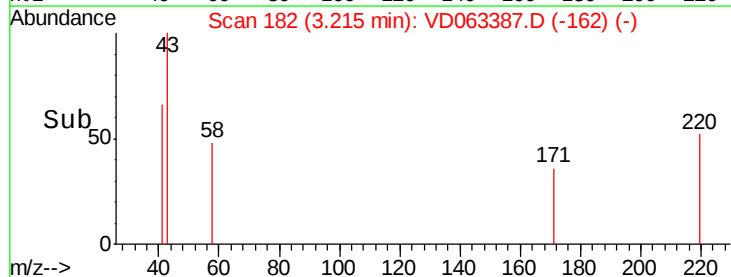
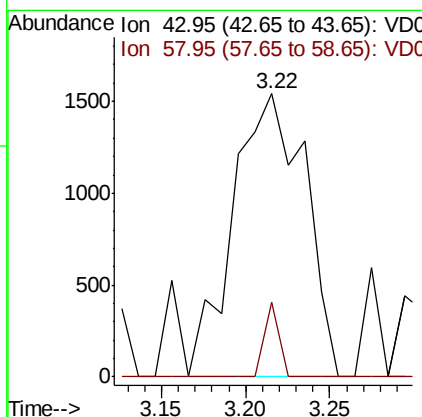
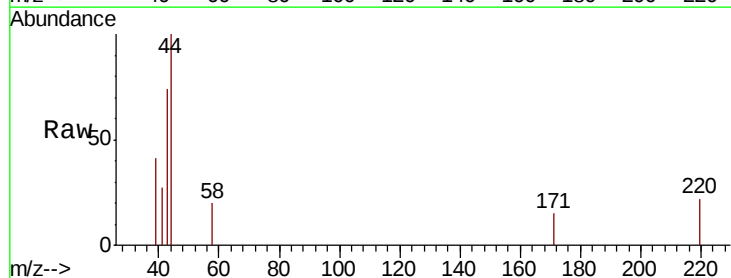
Instrument :
MSVOA_D
ClientSampleId :
1S-M-(30)

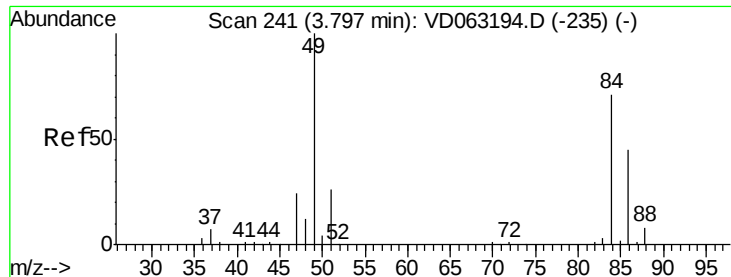
Tgt Ion: 59 Resp: 14489
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#



#16
Acetone
Concen: 2.169 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.00 min
Lab File: VD063387.D
Acq: 5 Aug 2019 18:11

Tgt Ion: 43 Resp: 4576
Ion Ratio Lower Upper
43 100
58 26.5 13.0 19.4#

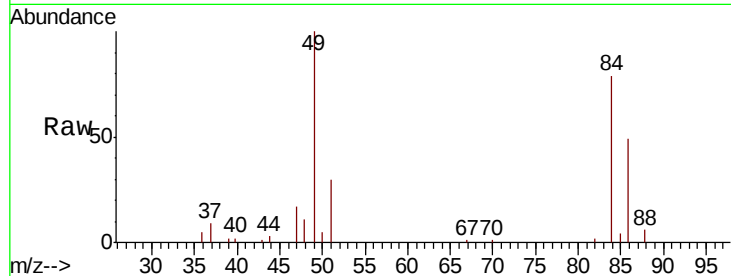




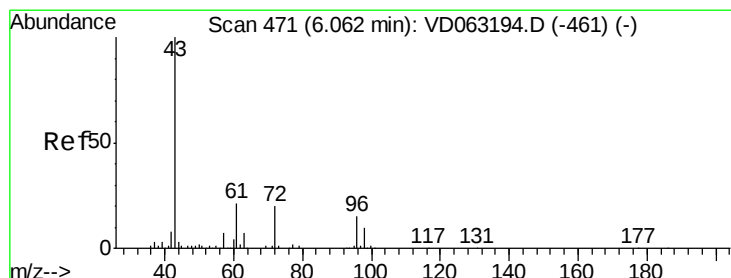
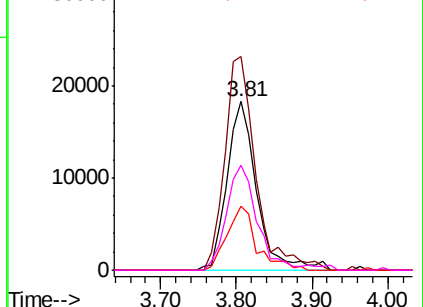
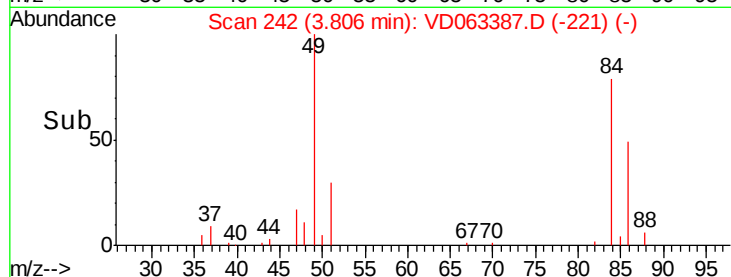
#20
Methylene Chloride
Concen: 5.819 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063387.D
Acq: 5 Aug 2019 18:11

Instrument :
MSVOA_D
ClientSampleId :
1S-M-(30)

Tgt Ion: 84 Resp: 49616
Ion Ratio Lower Upper
84 100
49 126.5 112.5 168.7
51 37.8 29.6 44.4
86 62.1 50.4 75.6

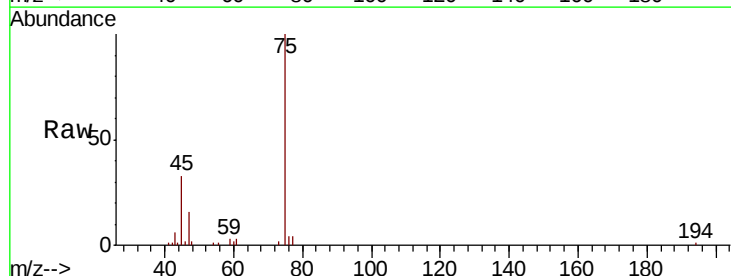


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

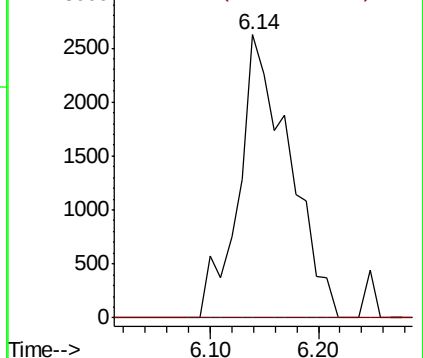
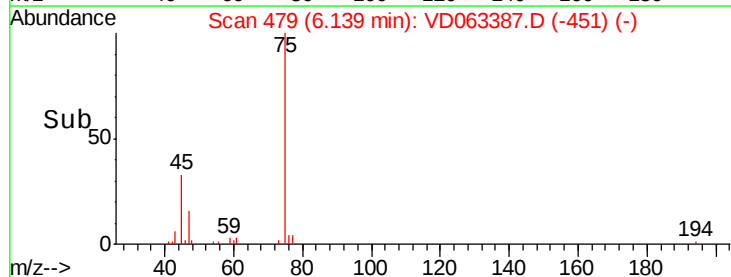


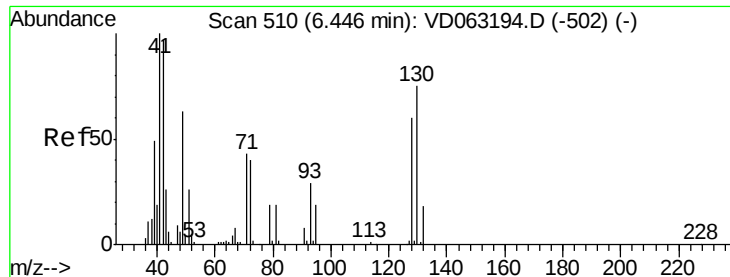
#25
2-Butanone
Concen: 4.033 ug/l
RT: 6.14 min Scan# 479
Delta R.T. 0.08 min
Lab File: VD063387.D
Acq: 5 Aug 2019 18:11

Tgt Ion: 43 Resp: 8538
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

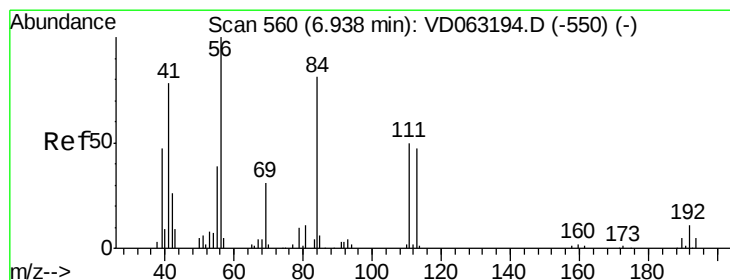
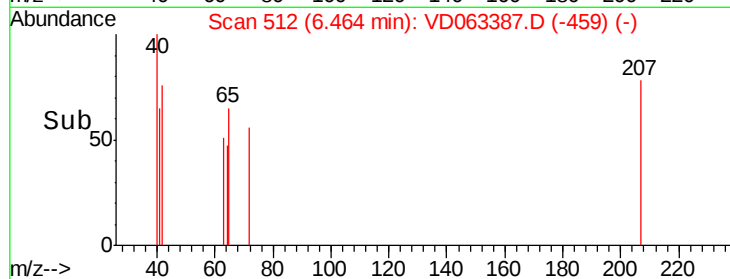
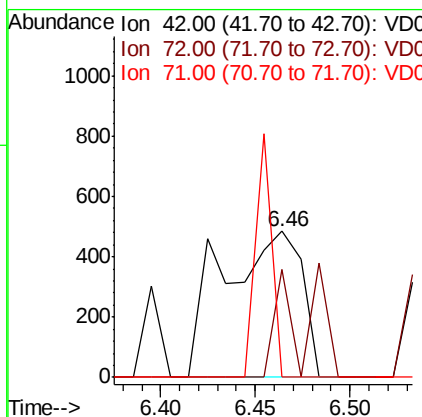
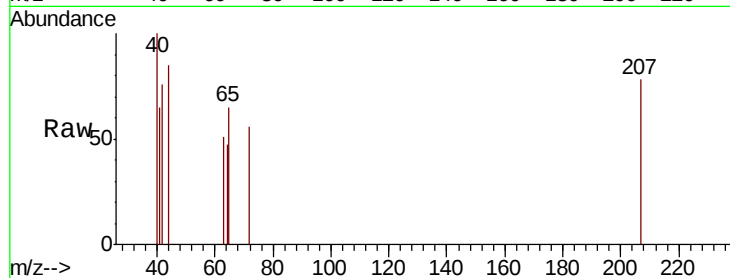




#29
Tetrahydrofuran
Concen: 1.403 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063387.D
Acq: 5 Aug 2019 18:11

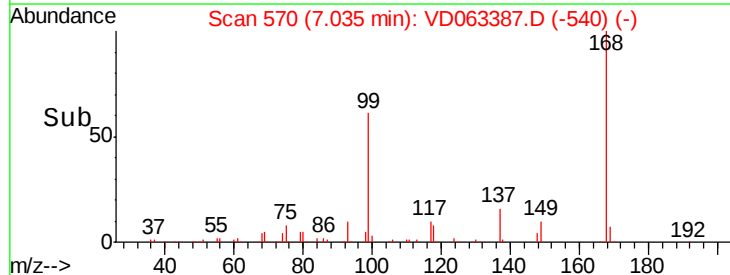
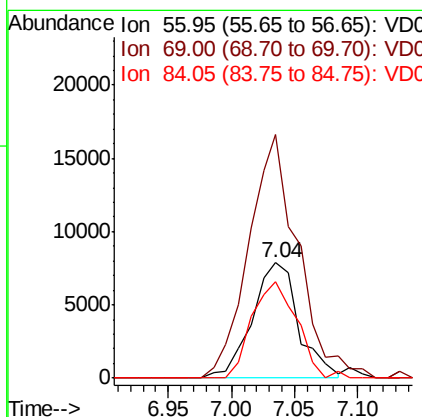
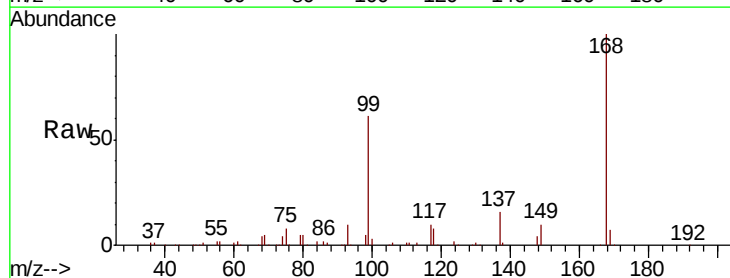
Instrument :
MSVOA_D
ClientSampled :
1S-M-(30)

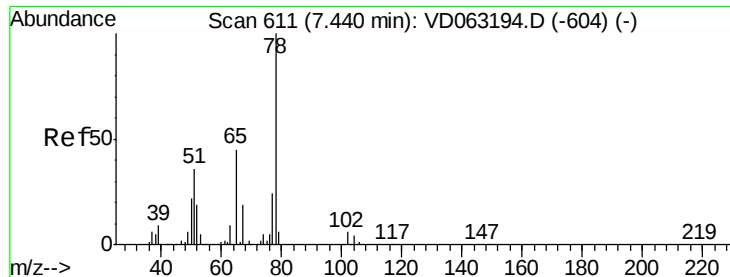
Tgt Ion: 42 Resp: 1406
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.2#
71 33.9 35.7 53.5#



#31
Cyclohexane
Concen: 2.091 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063387.D
Acq: 5 Aug 2019 18:11

Tgt Ion: 56 Resp: 20162
Ion Ratio Lower Upper
56 100
69 210.8 24.5 36.7#
84 83.6 64.9 97.3

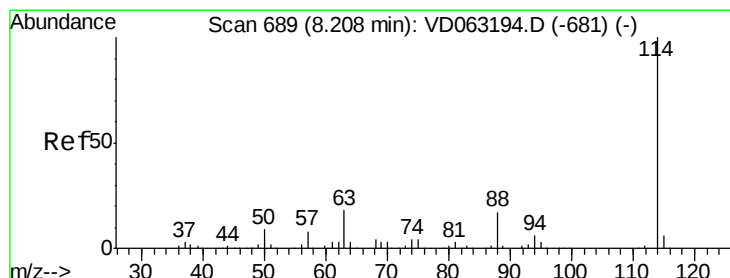
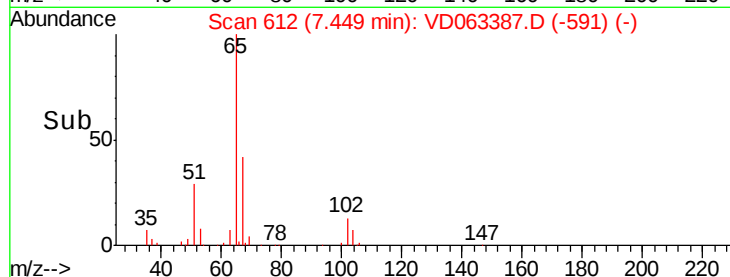
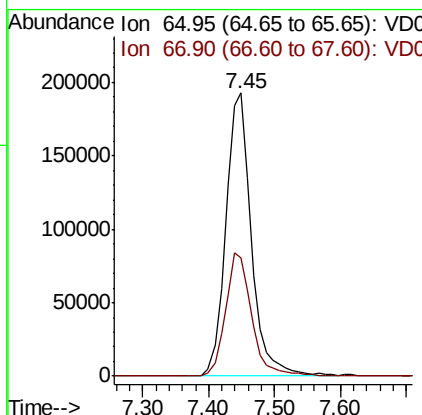
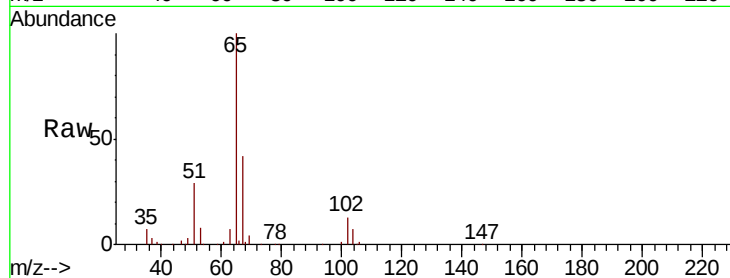




#33
 1,2-Dichloroethane-d4
 Concen: 48.215 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063387.D
 Acq: 5 Aug 2019 18:11

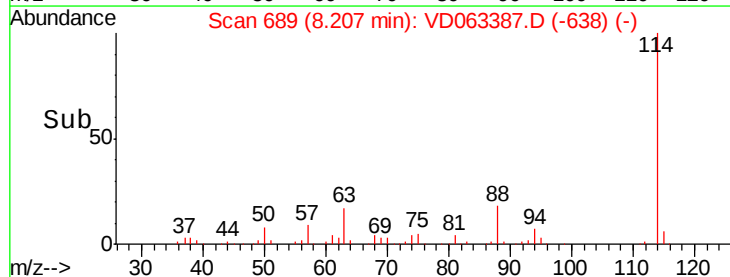
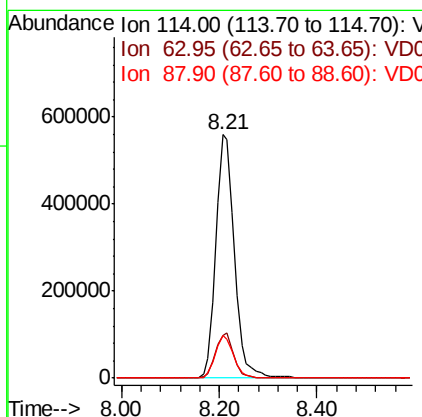
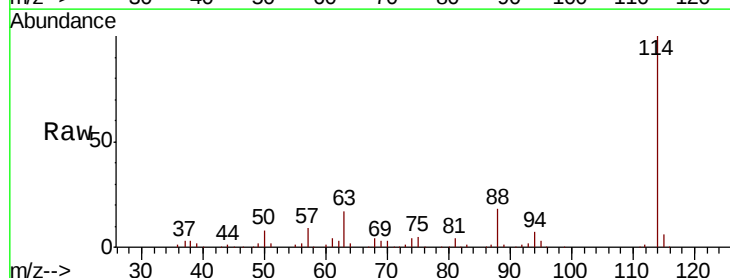
Instrument :
 MSVOA_D
 ClientSampleId :
 1S-M-(30)

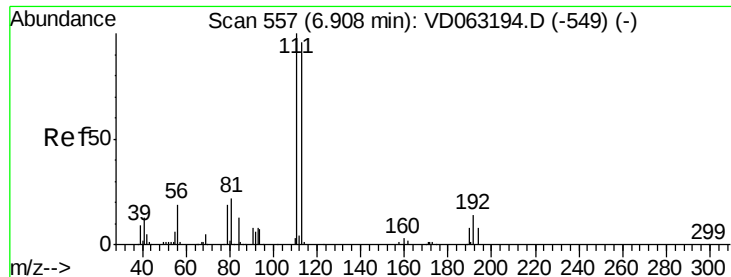
Tgt Ion: 65 Resp: 522000
 Ion Ratio Lower Upper
 65 100
 67 41.7 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD063387.D
 Acq: 5 Aug 2019 18:11

Tgt Ion: 114 Resp: 1482205
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.2
 88 17.6 0.0 34.6





#35

Dibromofluoromethane

Concen: 46.860 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063387.D

Acq: 5 Aug 2019 18:11

Instrument :

MSVOA_D

ClientSampleId :

1S-M-(30)

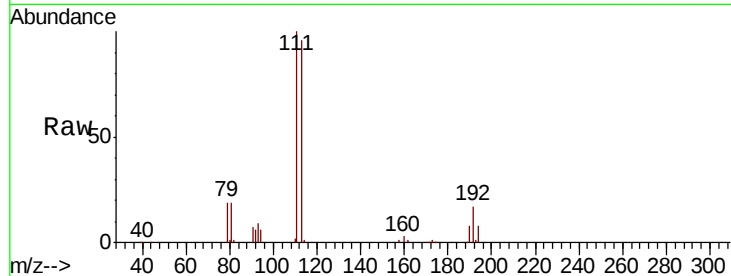
Tgt Ion:113 Resp: 593008

Ion Ratio Lower Upper

113 100

111 104.4 83.2 124.8

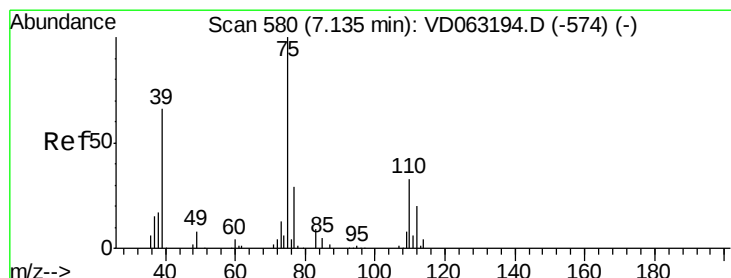
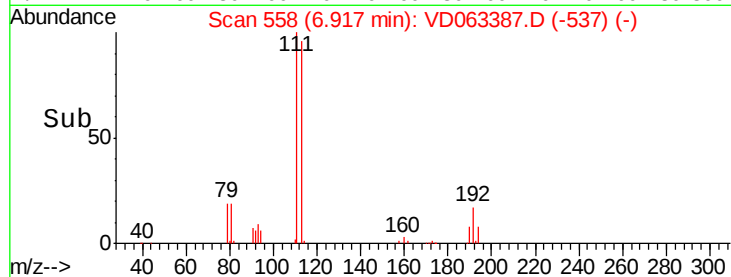
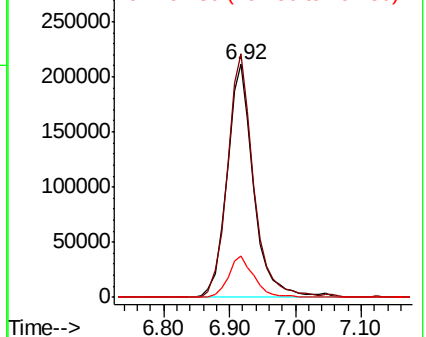
192 17.5 11.8 17.8



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: 5.549 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063387.D

Acq: 5 Aug 2019 18:11

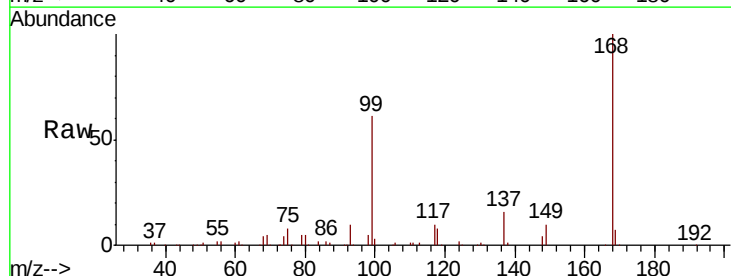
Tgt Ion: 75 Resp: 75056

Ion Ratio Lower Upper

75 100

110 10.3 16.1 48.2#

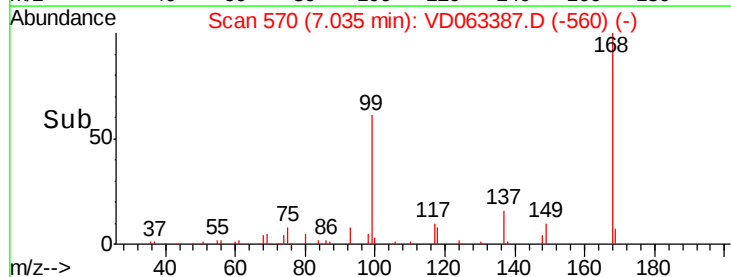
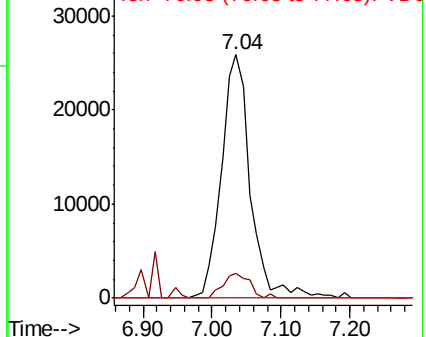
77 0.0 22.7 34.1#

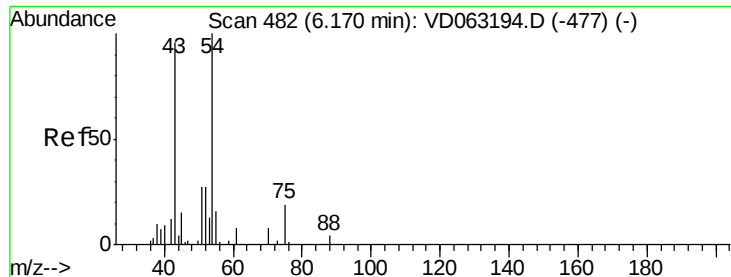


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 1.405 ug/l

RT: 6.14 min Scan# 479

Delta R.T. -0.03 min

Lab File: VD063387.D

Acq: 5 Aug 2019 18:11

Instrument :

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1S-M-(30)

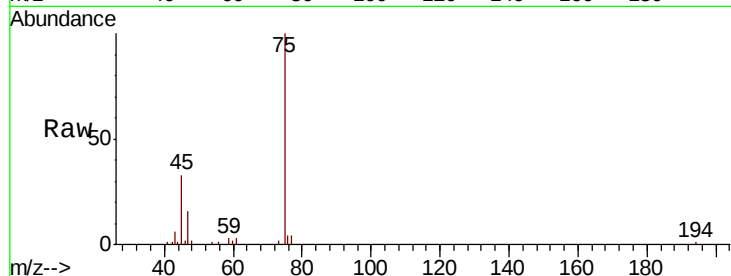
Tgt Ion: 43 Resp: 8539

Ion Ratio Lower Upper

43 100

61 57.0 11.3 16.9#

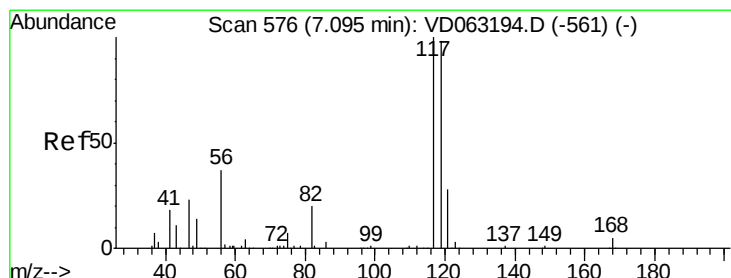
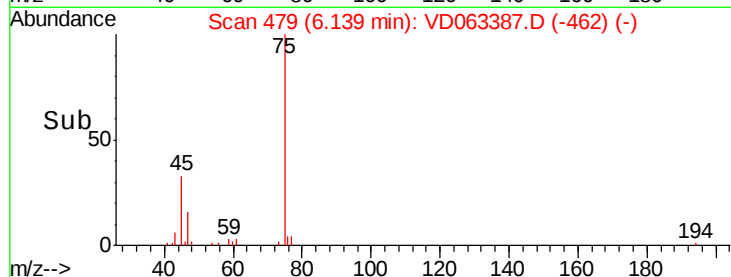
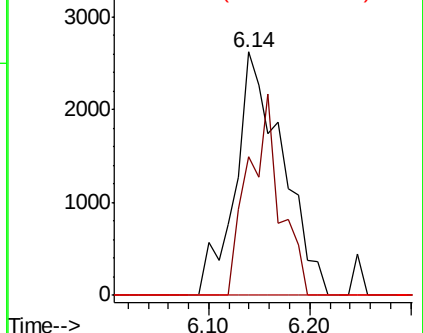
70 0.0 5.1 7.7#



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: 4.797 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063387.D

Acq: 5 Aug 2019 18:11

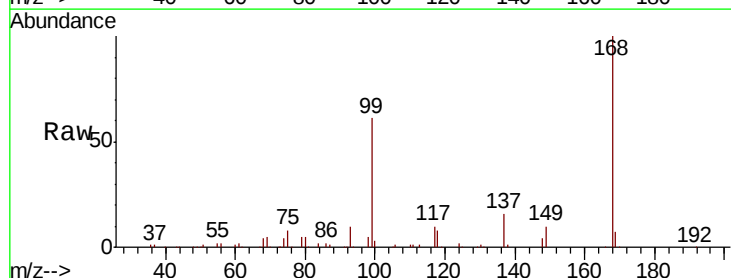
Tgt Ion: 117 Resp: 97686

Ion Ratio Lower Upper

117 100

119 3.4 78.2 117.2#

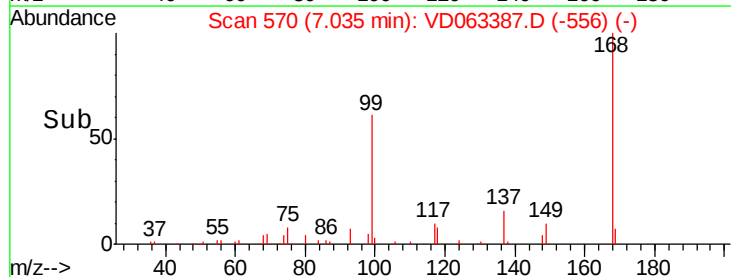
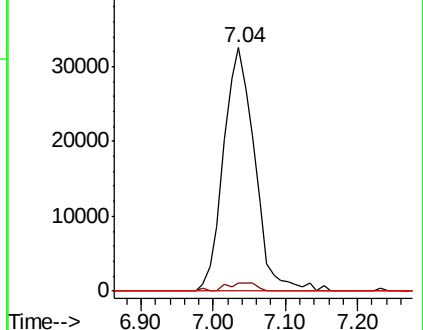
121 0.0 22.1 33.1#

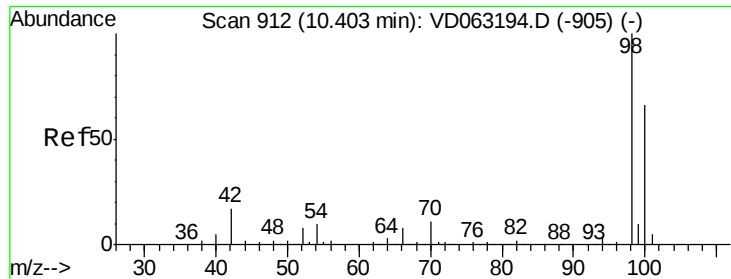


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

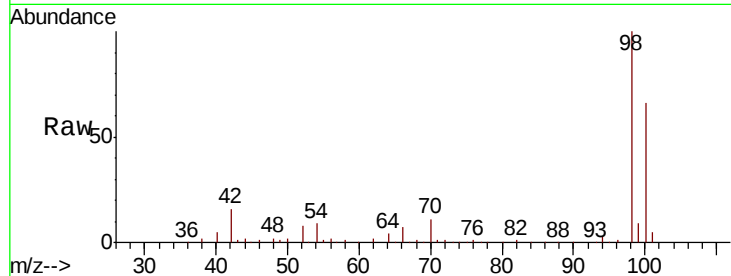




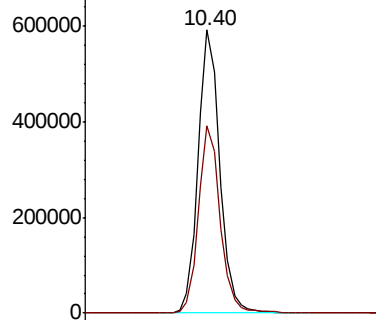
#50
Toluene-d8
Concen: 45.604 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063387.D
Acq: 5 Aug 2019 18:11

Instrument :
MSVOA_D
ClientSampleId :
1S-M-(30)

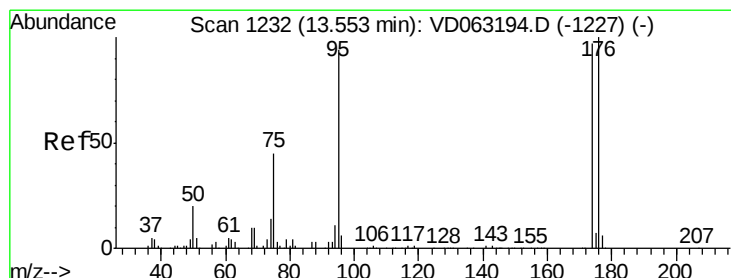
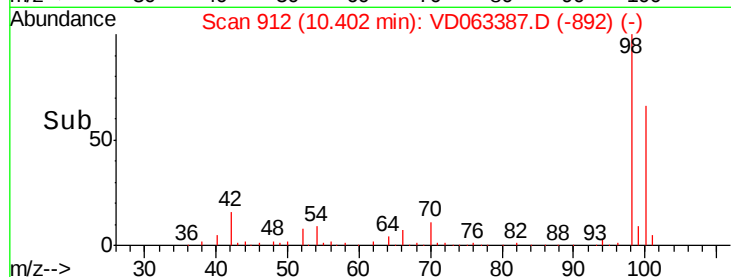
Tgt Ion: 98 Resp: 1291588
Ion Ratio Lower Upper
98 100
100 66.3 53.2 79.8



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

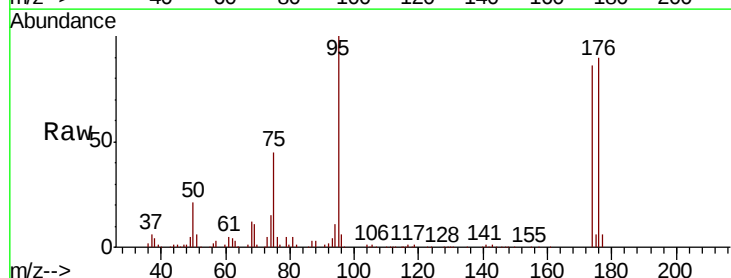


Time-->

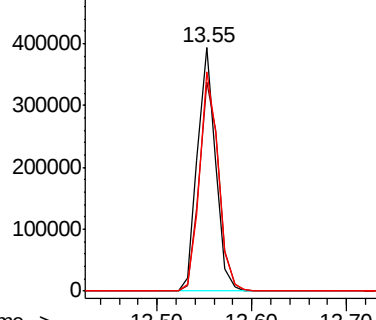


#62
4-Bromofluorobenzene
Concen: 40.352 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063387.D
Acq: 5 Aug 2019 18:11

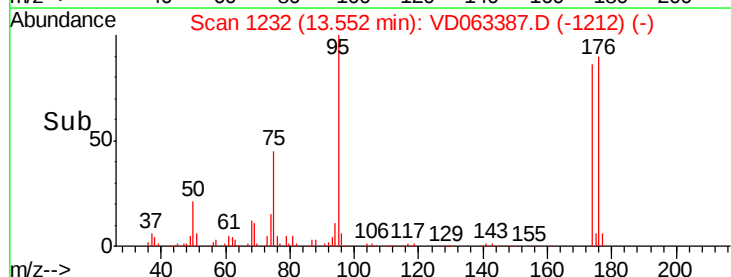
Tgt Ion: 95 Resp: 520788
Ion Ratio Lower Upper
95 100
174 86.0 0.0 205.4
176 89.9 0.0 211.8

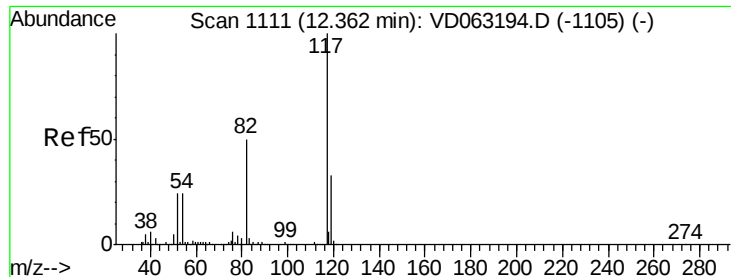


Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC



Time-->

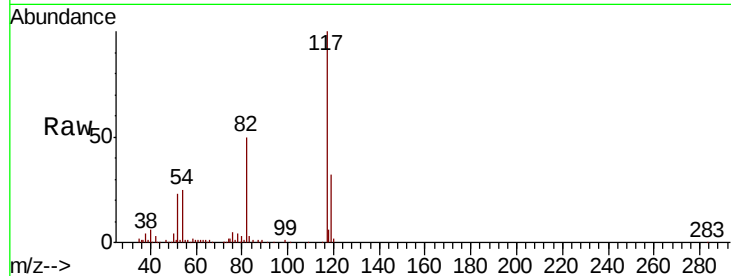




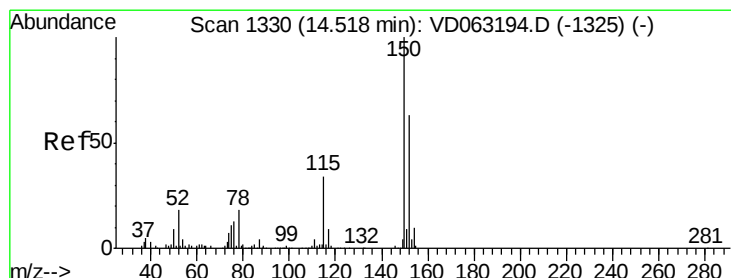
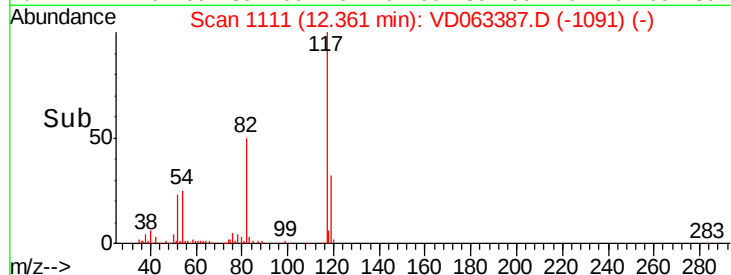
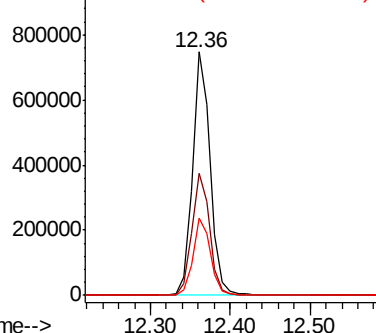
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063387.D
Acq: 5 Aug 2019 18:11

Instrument :
MSVOA_D
ClientSampleId :
1S-M-(30)

Tgt Ion:117 Resp: 1163596
Ion Ratio Lower Upper
117 100
82 50.2 40.1 60.1
119 32.0 26.5 39.7

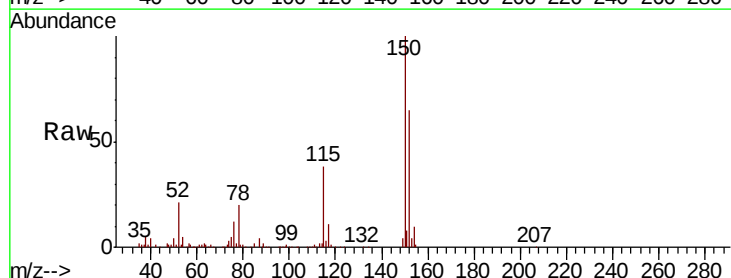


Abundance Ion 116.95 (116.65 to 117.65): V
1000000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

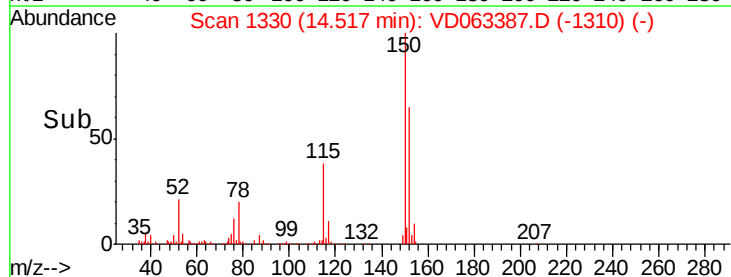
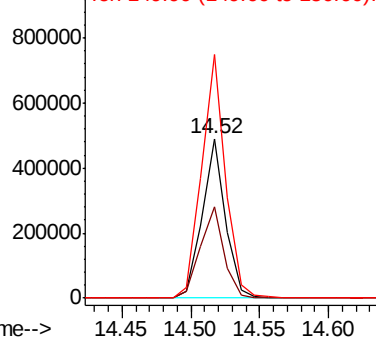


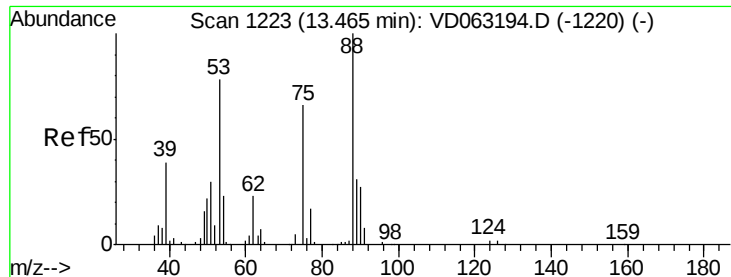
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063387.D
Acq: 5 Aug 2019 18:11

Tgt Ion:152 Resp: 572054
Ion Ratio Lower Upper
152 100
115 57.3 27.5 82.4
150 152.8 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
1000000 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: 122.099 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063387.D

Acq: 5 Aug 2019 18:11

Instrument :

MSVOA_D

ClientSampleId :

1S-M-(30)

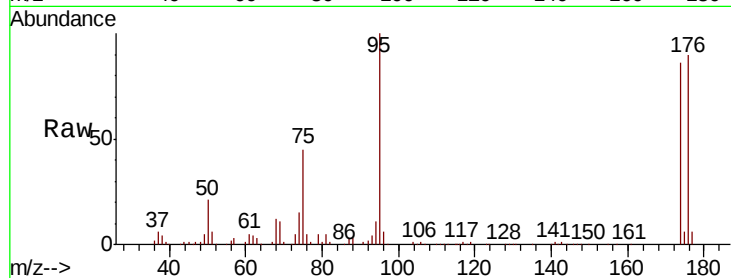
Tgt Ion: 75 Resp: 232960

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

