

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063240.D
 Acq On : 30 Jul 2019 14:31
 Operator : VA/AP
 Sample : K4043-14
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB203-GW-298-300

Quant Time: Jul 31 04:55:21 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	521964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	640773	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	358844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	79867	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	246650	42.59	ug/l	0.00
Spiked Amount			Recovery	=	85.18%	
35) Dibromofluoromethane	6.92	113	239111	43.71	ug/l	0.00
Spiked Amount			Recovery	=	87.42%	
50) Toluene-d8	10.40	98	413994	33.81	ug/l	0.00
Spiked Amount			Recovery	=	67.62%	
62) 4-Bromofluorobenzene	13.55	95	99839	17.89	ug/l	0.00
Spiked Amount			Recovery	=	35.78%	

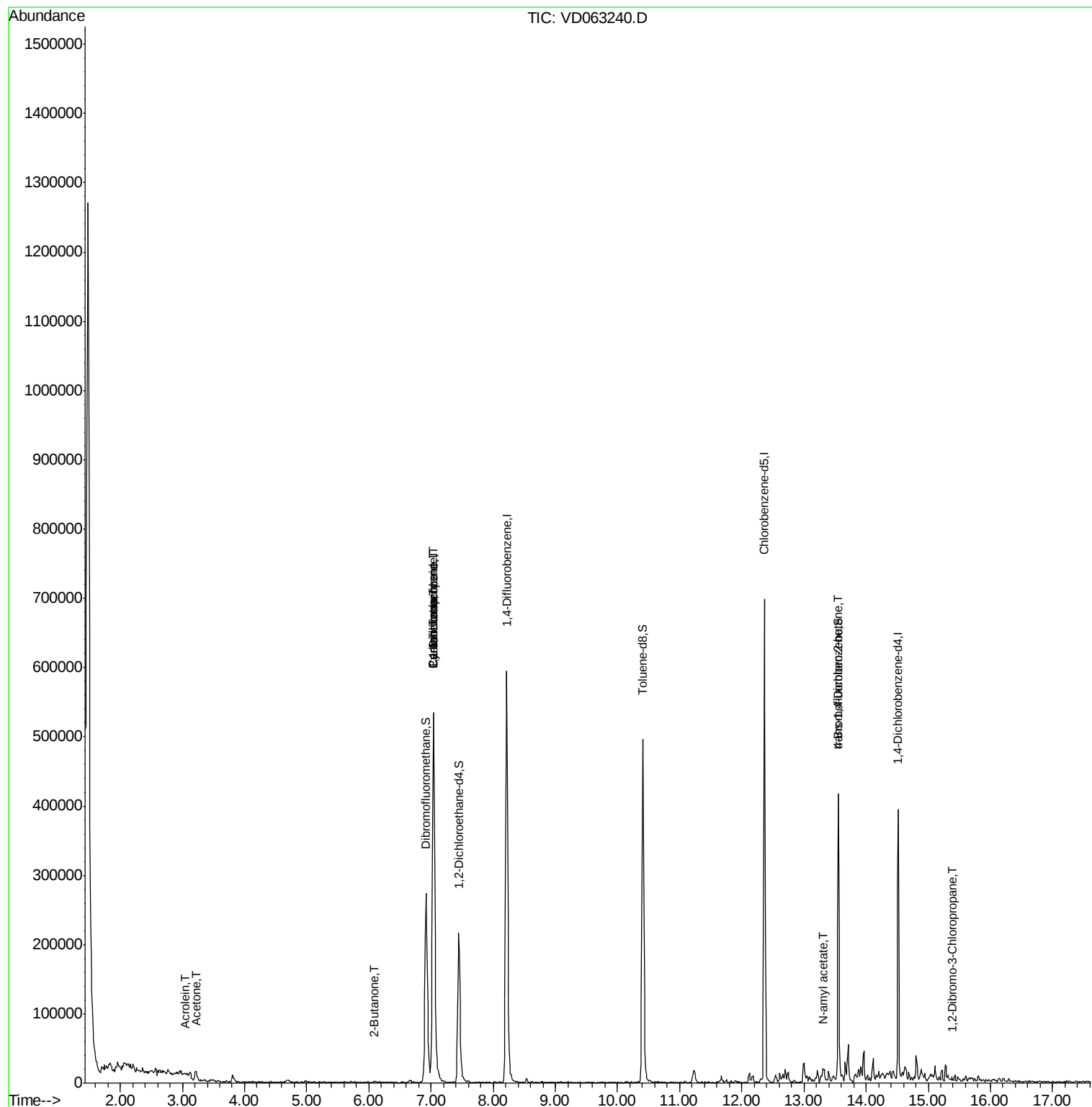
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.05	56	720	2.943	ug/l #	61
16) Acetone	3.22	43	27684	24.533	ug/l #	90
25) 2-Butanone	6.07	43	2176	1.921	ug/l #	56
31) Cyclohexane	7.04	56	12622	2.447	ug/l #	21
36) 1,1-Dichloropropene	7.05	75	37304	6.379	ug/l #	51
38) Carbon Tetrachloride	7.04	117	52137	5.922	ug/l #	17
74) N-amyl acetate	13.30	43	2414	1.822	ug/l #	9
81) trans-1,4-Dichloro-2-buten	13.55	75	50212	188.498	ug/l #	3
92) 1,2-Dibromo-3-Chloropropan	15.38	75	265	1.528	ug/l #	4

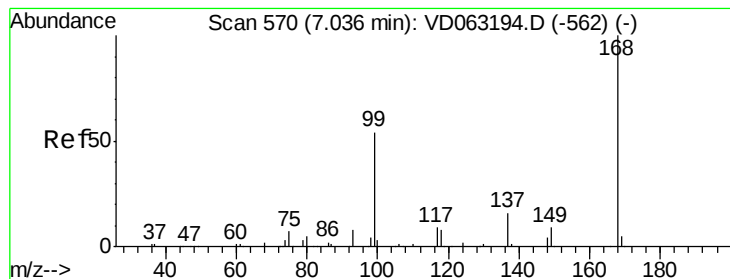
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073019\
Data File : VD063240.D
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Operator : VA/AP
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BP-VPB203-GW-298-300

Quant Time: Jul 31 04:55:21 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: VD063240.D

Acq: 30 Jul 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

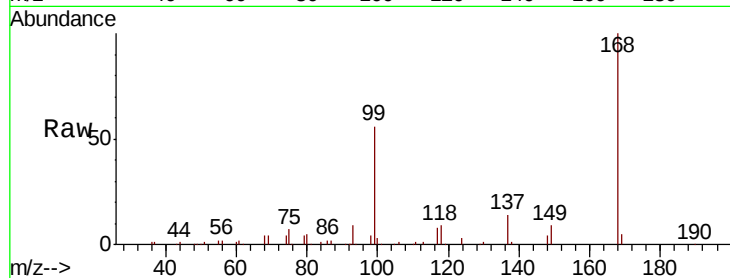
BP-VPB203-GW-298-300

Tot Ion:168 Resp: 521964

Ion Ratio Lower Upper

168 100

99 56.4 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

200000

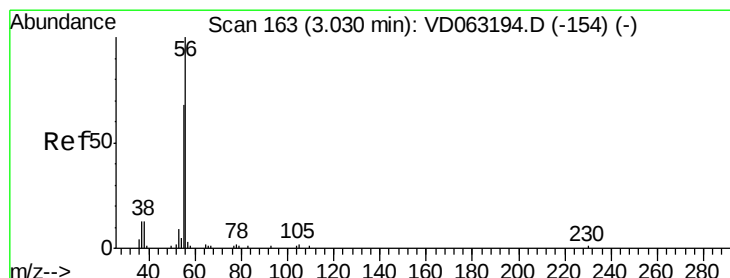
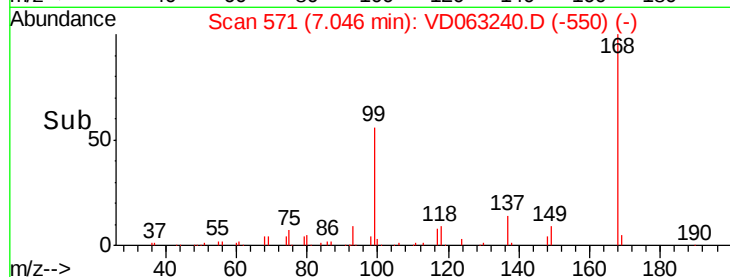
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 2.943 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD063240.D

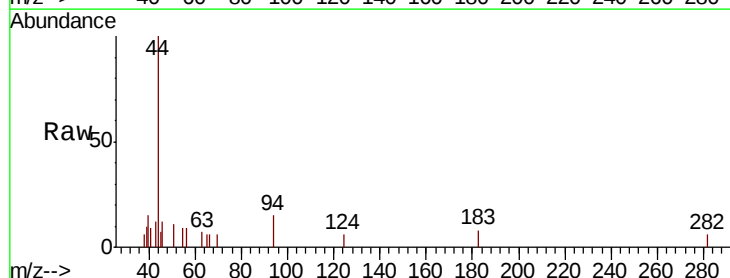
Acq: 30 Jul 2019 14:31

Tgt Ion: 56 Resp: 720

Ion Ratio Lower Upper

56 100

55 100.6 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

1200

1000

800

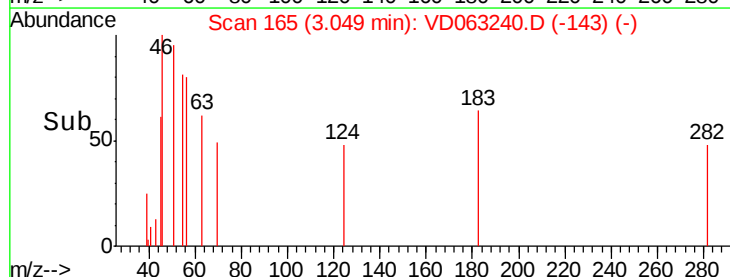
600

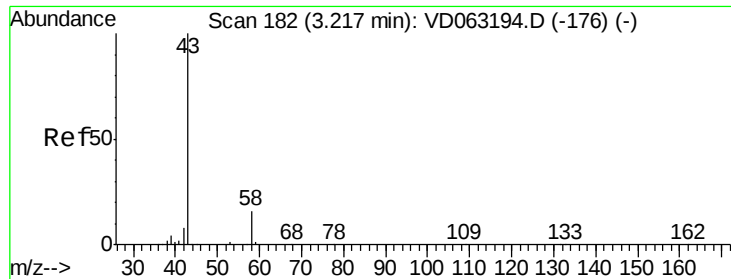
400

200

0

Time-->





#16

Acetone

Concen: 24.533 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD063240.D

Acq: 30 Jul 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

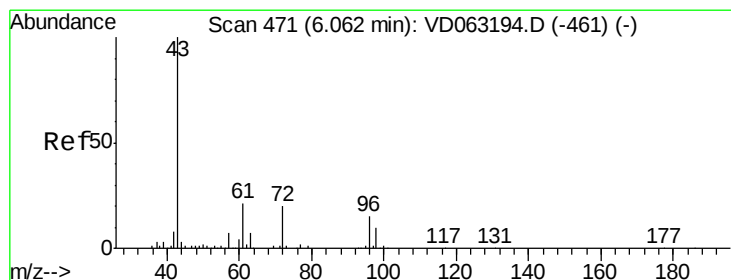
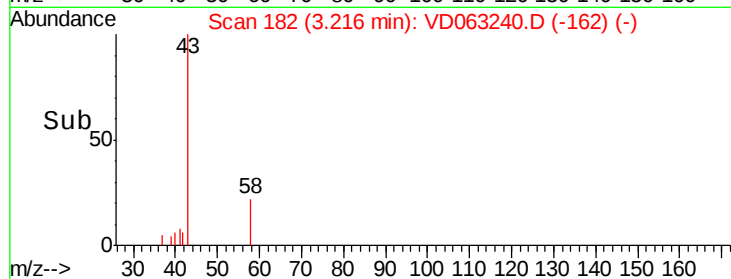
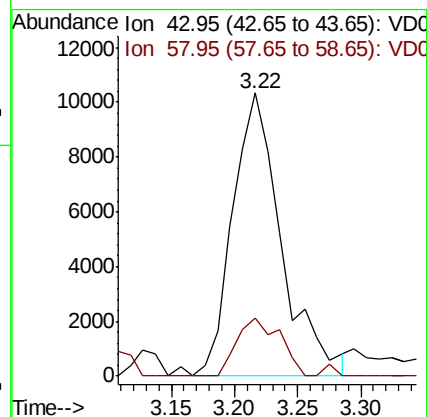
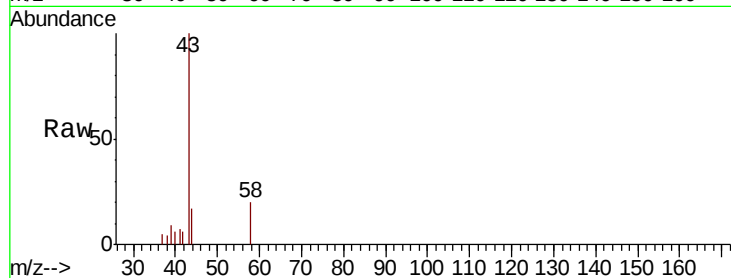
BP-VPB203-GW-298-300

Tot Ion: 43 Resp: 27684

Ion Ratio Lower Upper

43 100

58 20.4 13.0 19.4#



#25

2-Butanone

Concen: 1.921 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063240.D

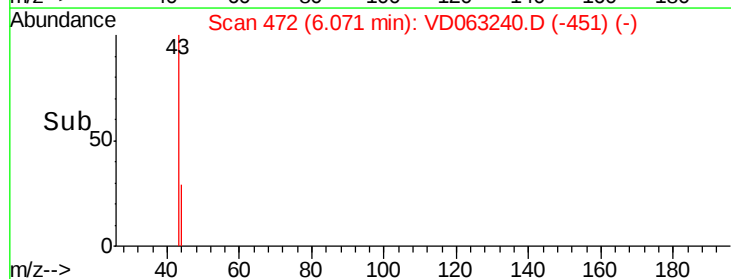
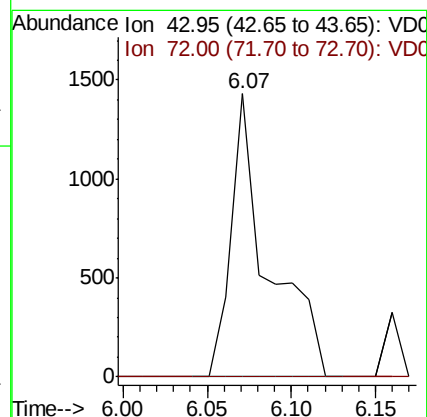
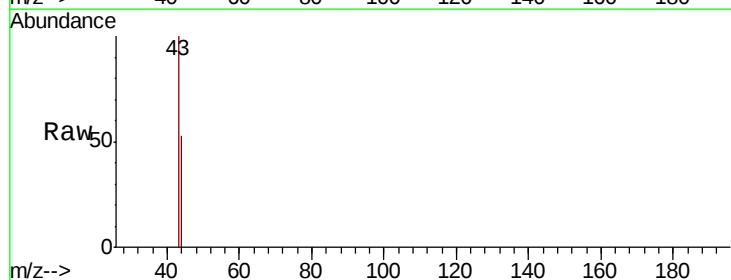
Acq: 30 Jul 2019 14:31

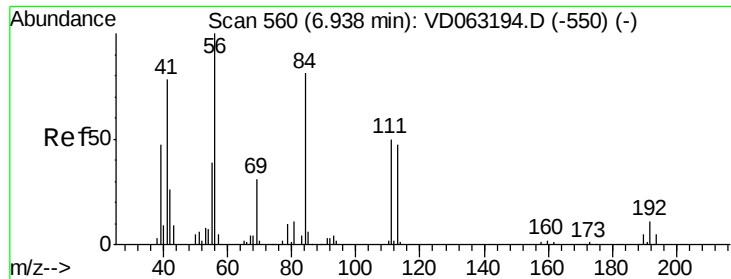
Tgt Ion: 43 Resp: 2176

Ion Ratio Lower Upper

43 100

72 0.0 16.3 24.5#

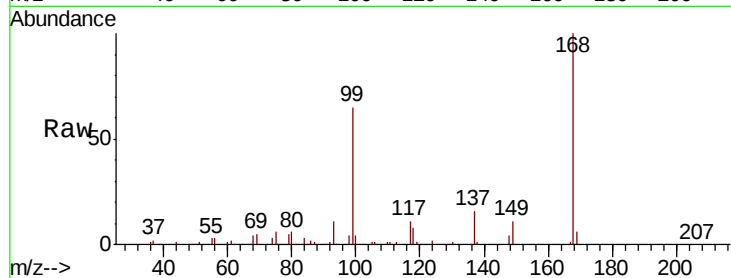




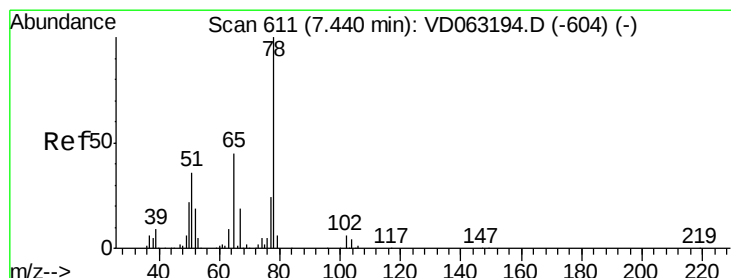
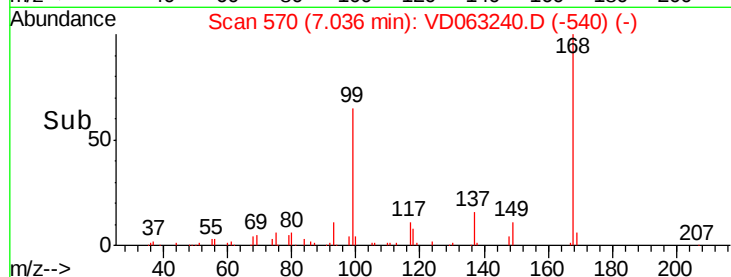
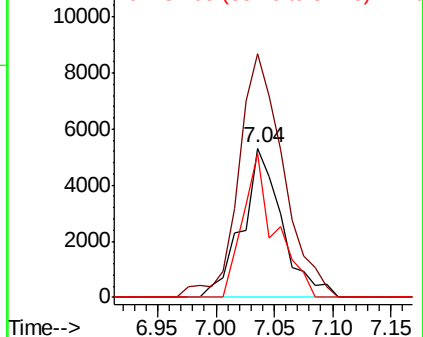
#31
Cvclohexane
Concen: 2.447 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063240.D
Acq: 30 Jul 2019 14:31

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-298-300

Tot Ion: 56 Resp: 12622
Ion Ratio Lower Upper
56 100
69 163.1 24.5 36.7#
84 96.6 64.9 97.3

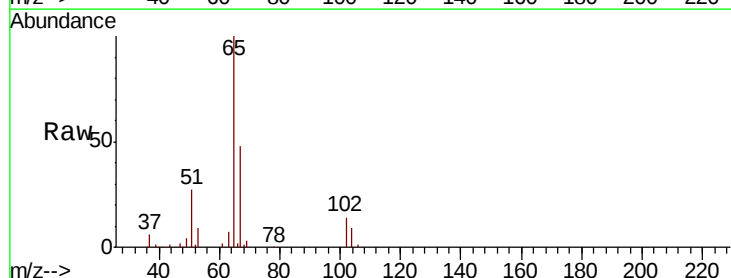


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

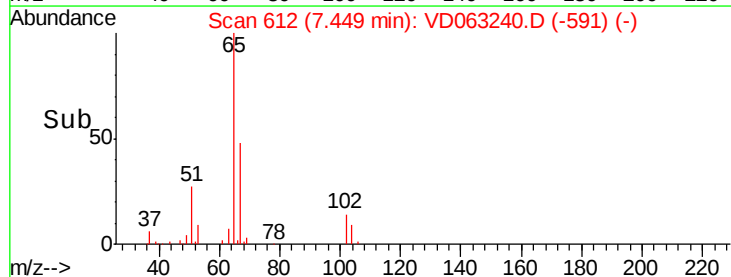
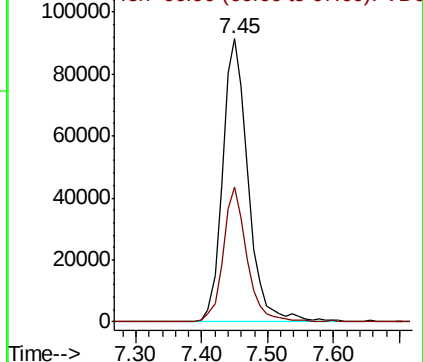


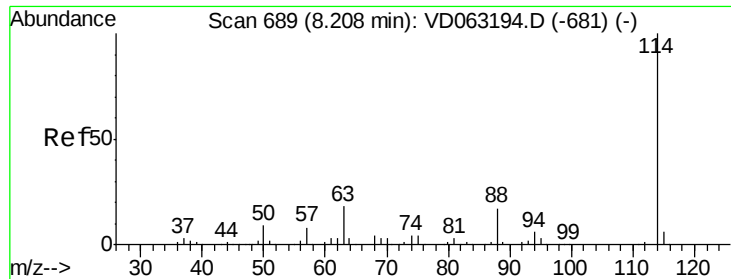
#33
1,2-Dichloroethane-d4
Concen: 42.587 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063240.D
Acq: 30 Jul 2019 14:31

Tgt Ion: 65 Resp: 246650
Ion Ratio Lower Upper
65 100
67 47.9 0.0 85.8



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

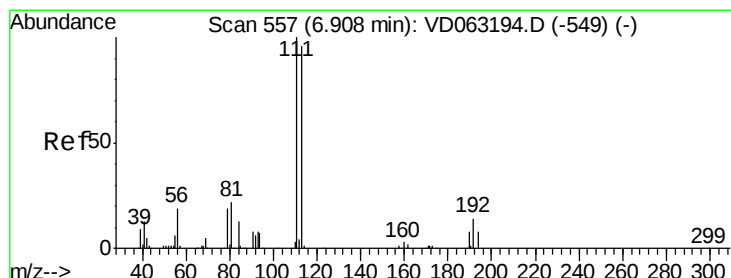
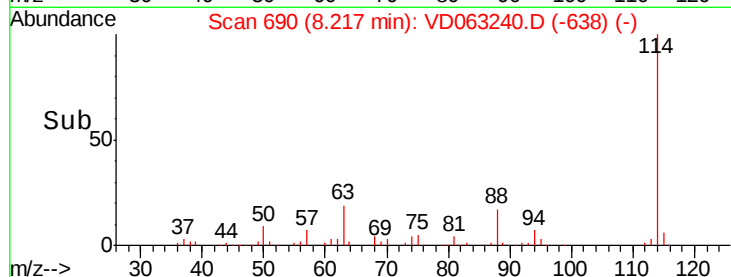
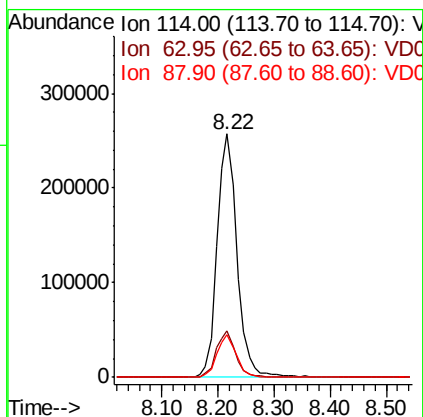
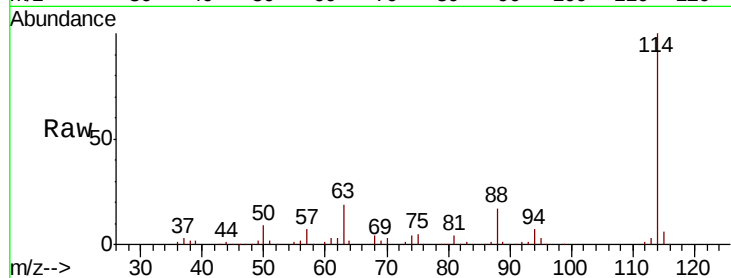




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063240.D
 Acq: 30 Jul 2019 14:31

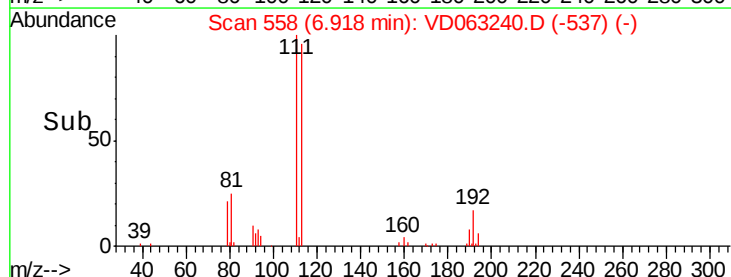
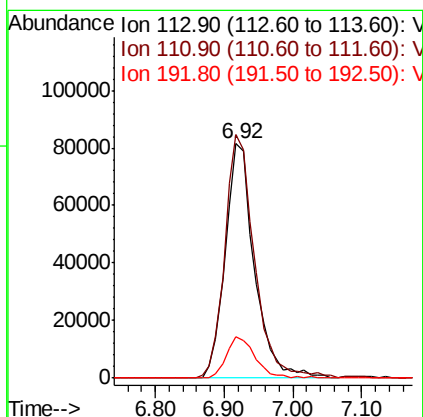
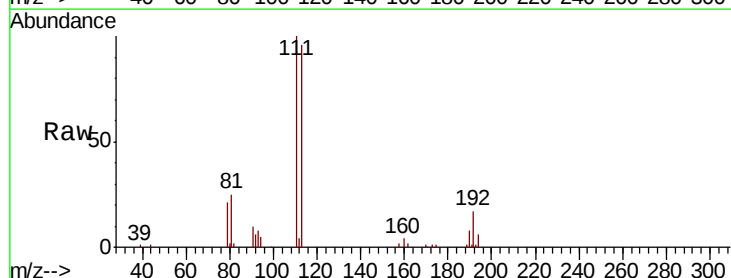
Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB203-GW-298-300

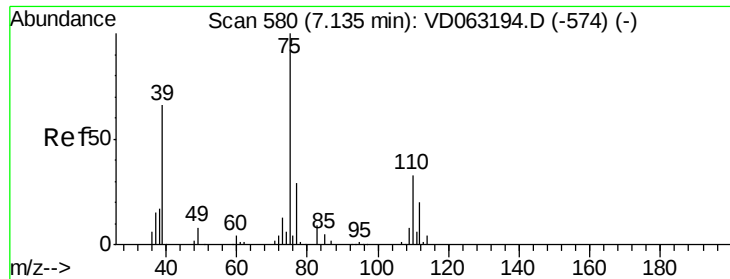
Tot Ion:114 Resp: 640773
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 35.2
 88 17.4 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 43.706 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063240.D
 Acq: 30 Jul 2019 14:31

Tgt Ion:113 Resp: 239111
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.2 124.8
 192 17.8 11.8 17.8#





#36

1,1-Dichloropropene

Concen: 6.379 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.09 min

Lab File: VD063240.D

Acq: 30 Jul 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

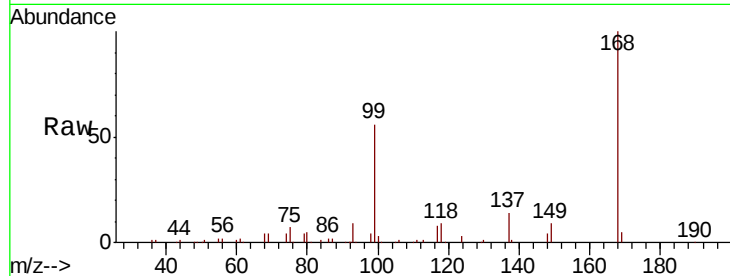
Tot Ion: 75 Resp: 37304

Ion Ratio Lower Upper

75 100

110 7.3 16.1 48.2#

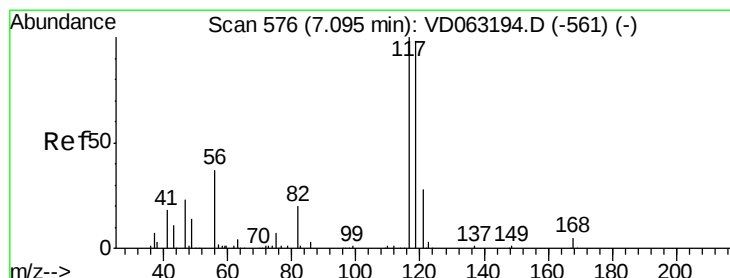
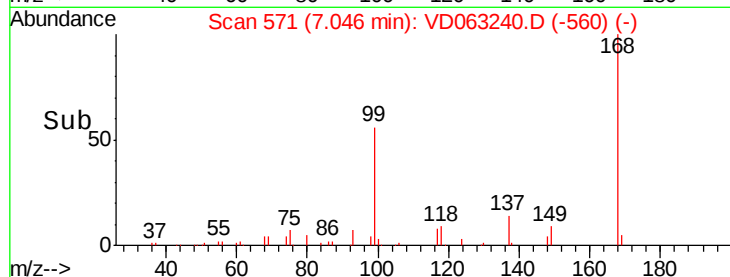
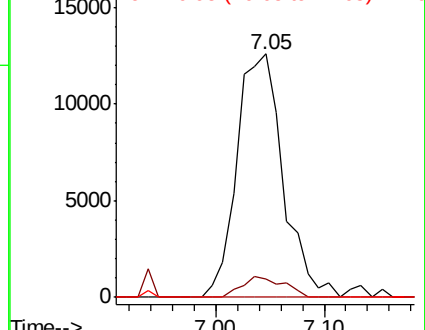
77 0.0 22.7 34.1#



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



#38

Carbon Tetrachloride

Concen: 5.922 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063240.D

Acq: 30 Jul 2019 14:31

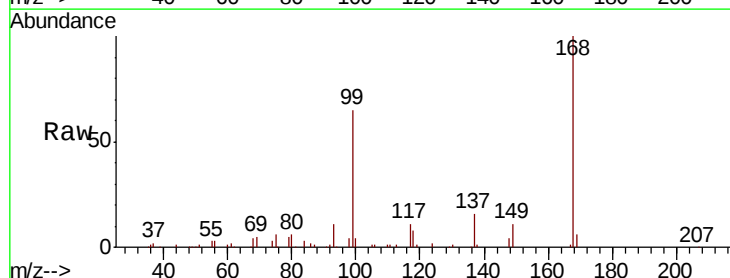
Tgt Ion: 117 Resp: 52137

Ion Ratio Lower Upper

117 100

119 7.8 78.2 117.2#

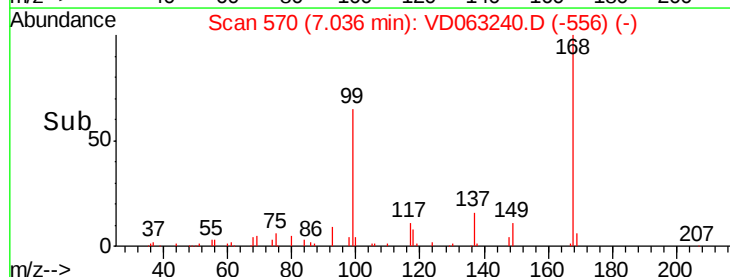
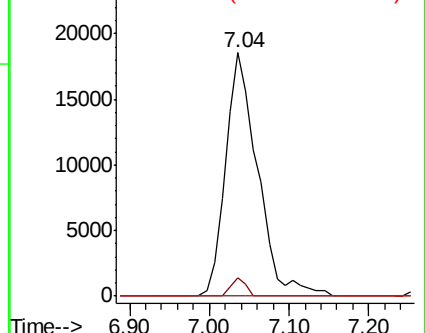
121 0.0 22.1 33.1#

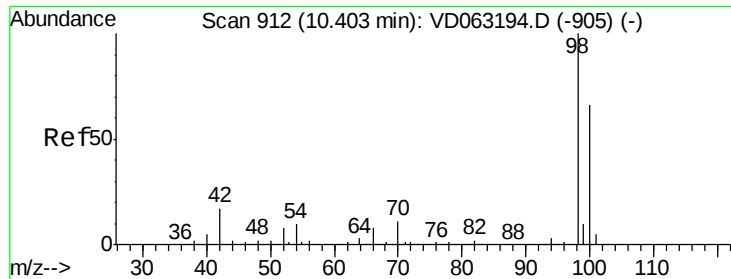


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

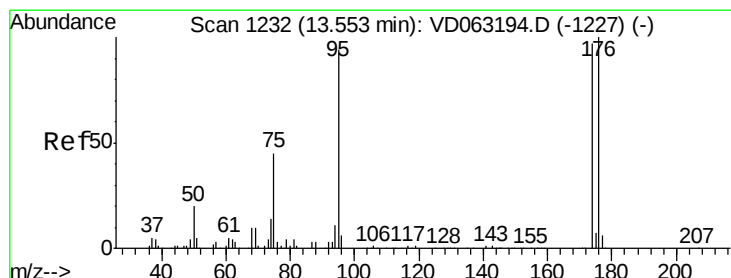
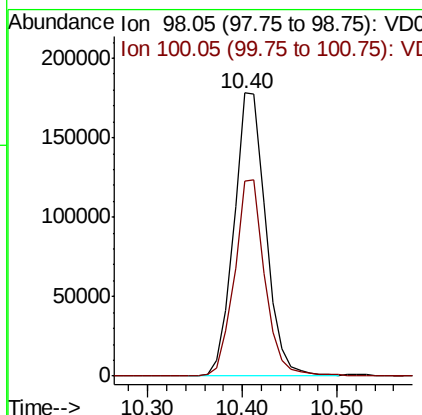
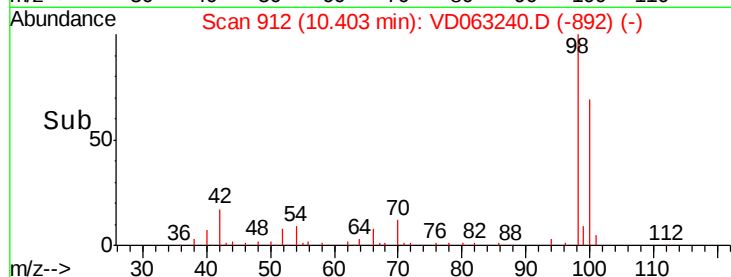
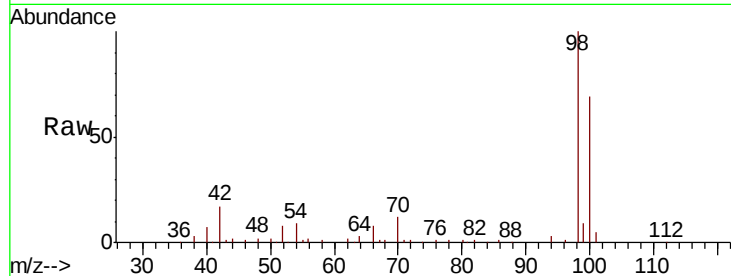




#50
Toluene-d8
Concen: 33.813 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063240.D
Acq: 30 Jul 2019 14:31

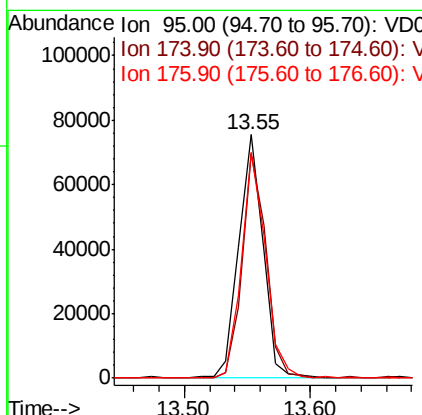
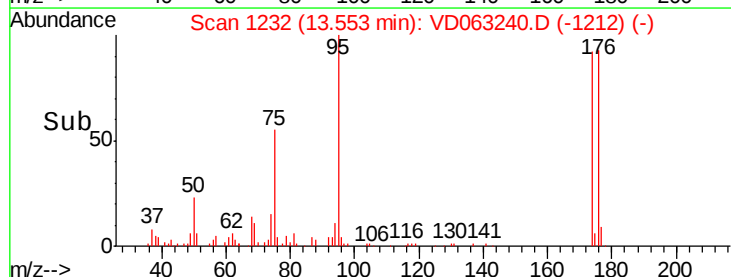
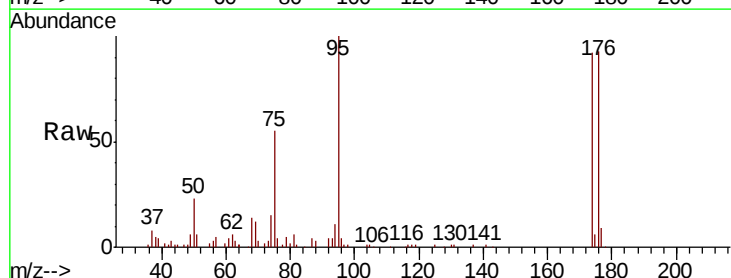
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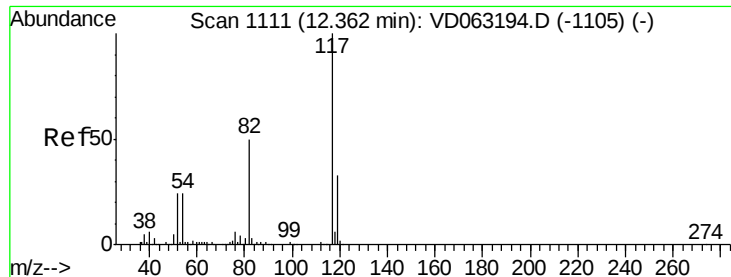
Tot Ion: 98 Resp: 413994
Ion Ratio Lower Upper
98 100
100 68.7 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 17.894 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063240.D
Acq: 30 Jul 2019 14:31

Tgt Ion: 95 Resp: 99839
Ion Ratio Lower Upper
95 100
174 92.1 0.0 205.4
176 92.9 0.0 211.8

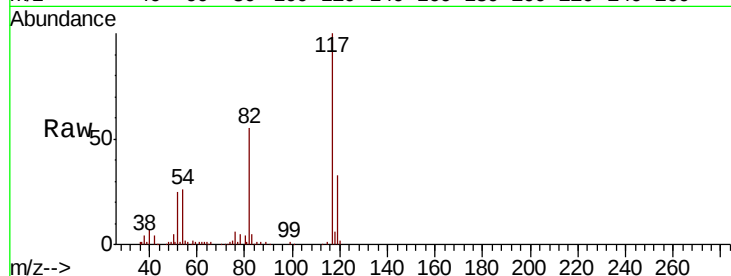




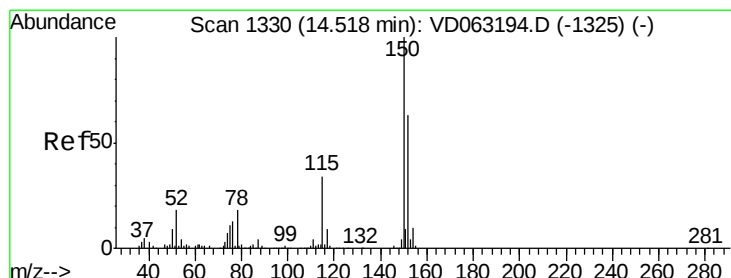
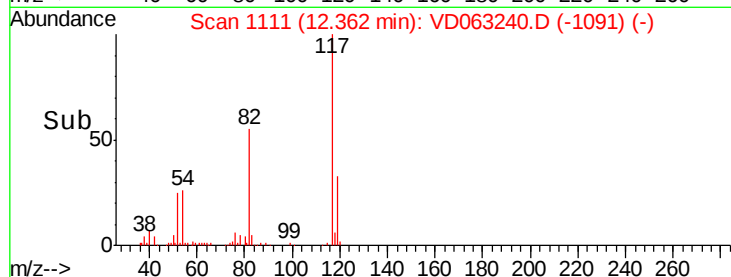
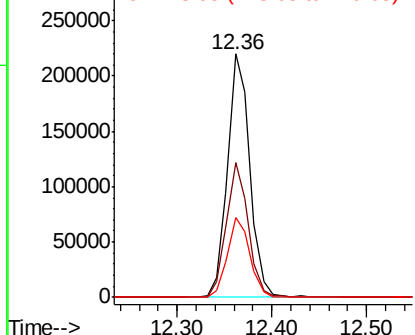
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063240.D
Acq: 30 Jul 2019 14:31

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB203-GW-298-300

Tot Ion:117 Resp: 358844
Ion Ratio Lower Upper
117 100
82 55.1 40.1 60.1
119 32.8 26.5 39.7

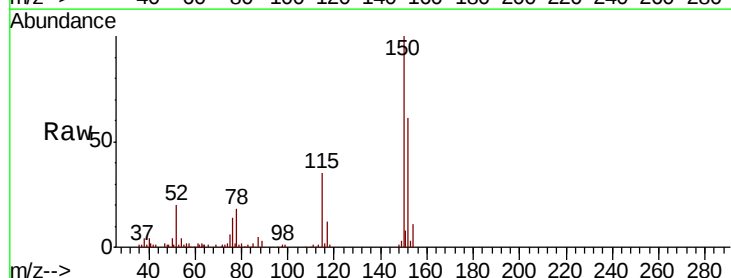


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

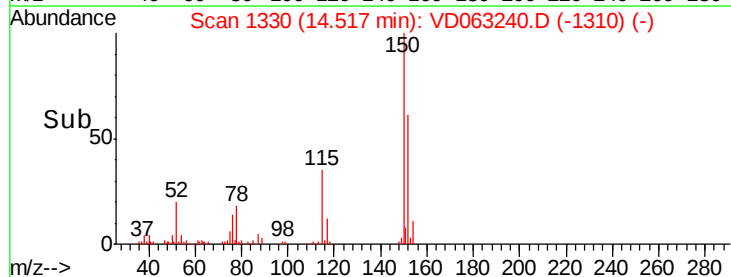
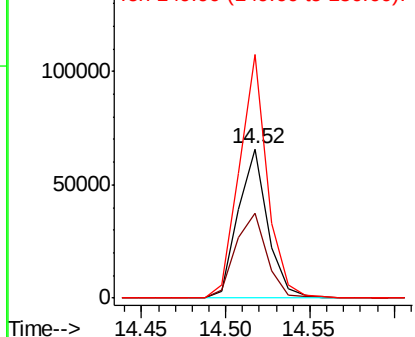


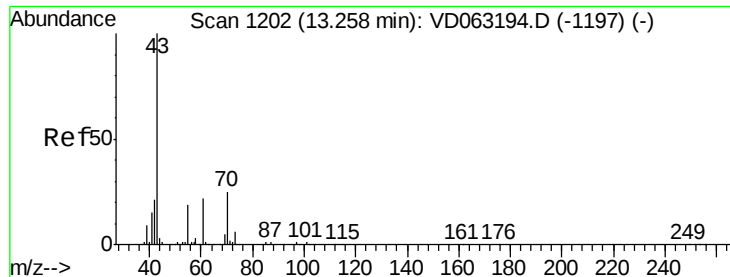
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063240.D
Acq: 30 Jul 2019 14:31

Tgt Ion:152 Resp: 79867
Ion Ratio Lower Upper
152 100
115 57.0 27.5 82.4
150 163.4 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





#74

N-amvl acetate

Concen: 1.822 ug/l

RT: 13.30 min Scan# 1206

Delta R.T. 0.04 min

Lab File: VD063240.D

Acq: 30 Jul 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

Tot Ion: 43 Resp: 2414

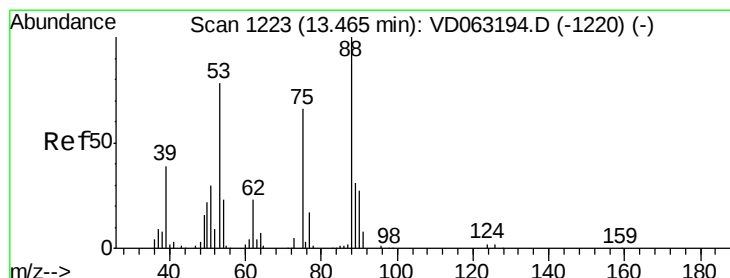
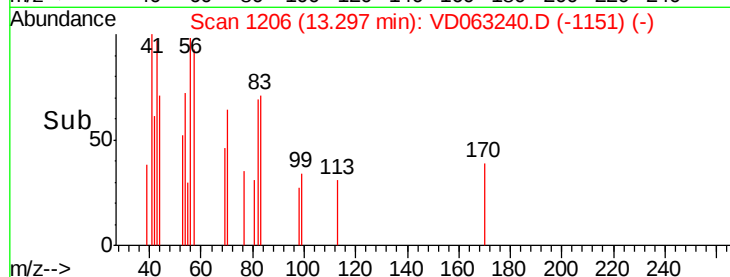
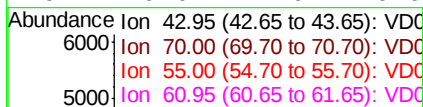
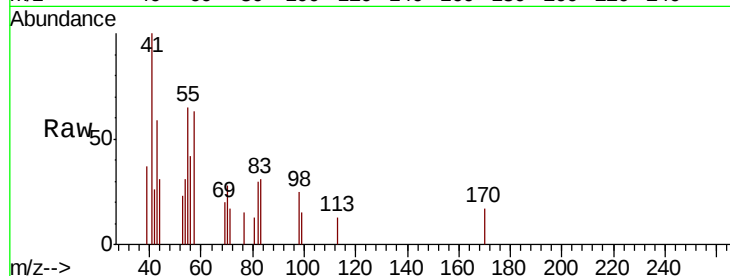
Ion Ratio Lower Upper

43 100

70 47.2 20.2 30.4#

55 111.8 14.9 22.3#

61 0.0 17.9 26.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 188.498 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063240.D

Acq: 30 Jul 2019 14:31

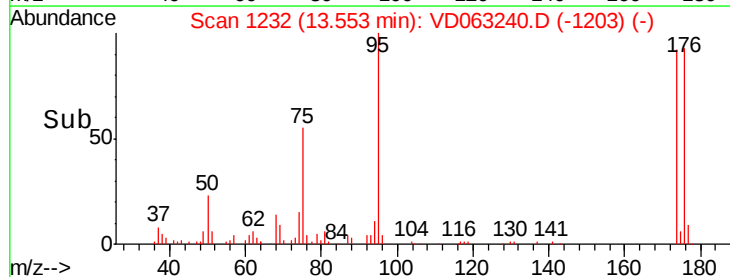
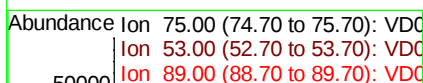
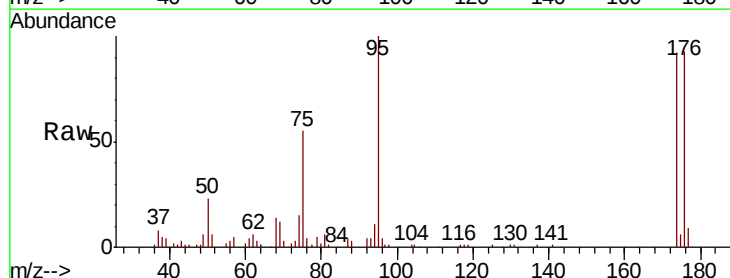
Tgt Ion: 75 Resp: 50212

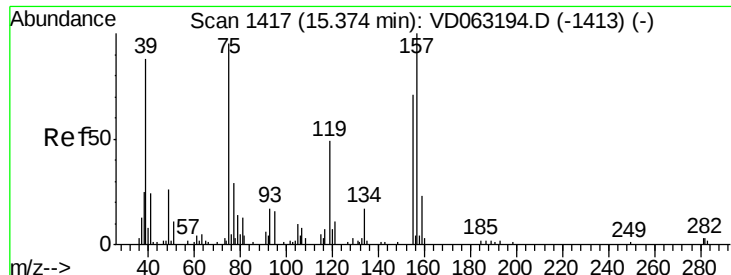
Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.528 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD063240.D

Acq: 30 Jul 2019 14:31

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB203-GW-298-300

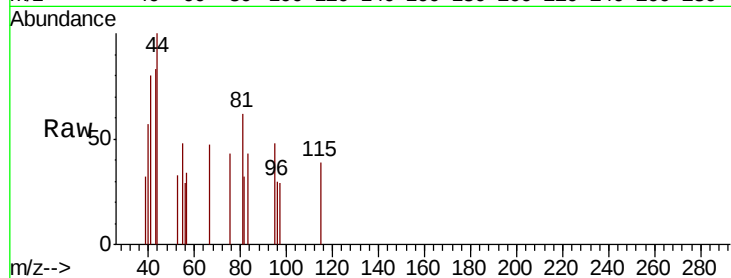
Tot Ion: 75 Resp: 265

Ion Ratio Lower Upper

75 100

155 0.0 37.0 111.0#

157 0.0 52.4 157.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

