

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080319\
 Data File : VD063365.D
 Acq On : 3 Aug 2019 16:56
 Operator : VA/AP
 Sample : K4135-02
 Misc : 5.74g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-A1-(0-1)

Quant Time: Aug 04 06:08:16 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	869187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1093514	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	826237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	372592	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	483005	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	6.92	113	524258	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	
50) Toluene-d8	10.41	98	1038967	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	13.55	95	398218	41.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.64%	

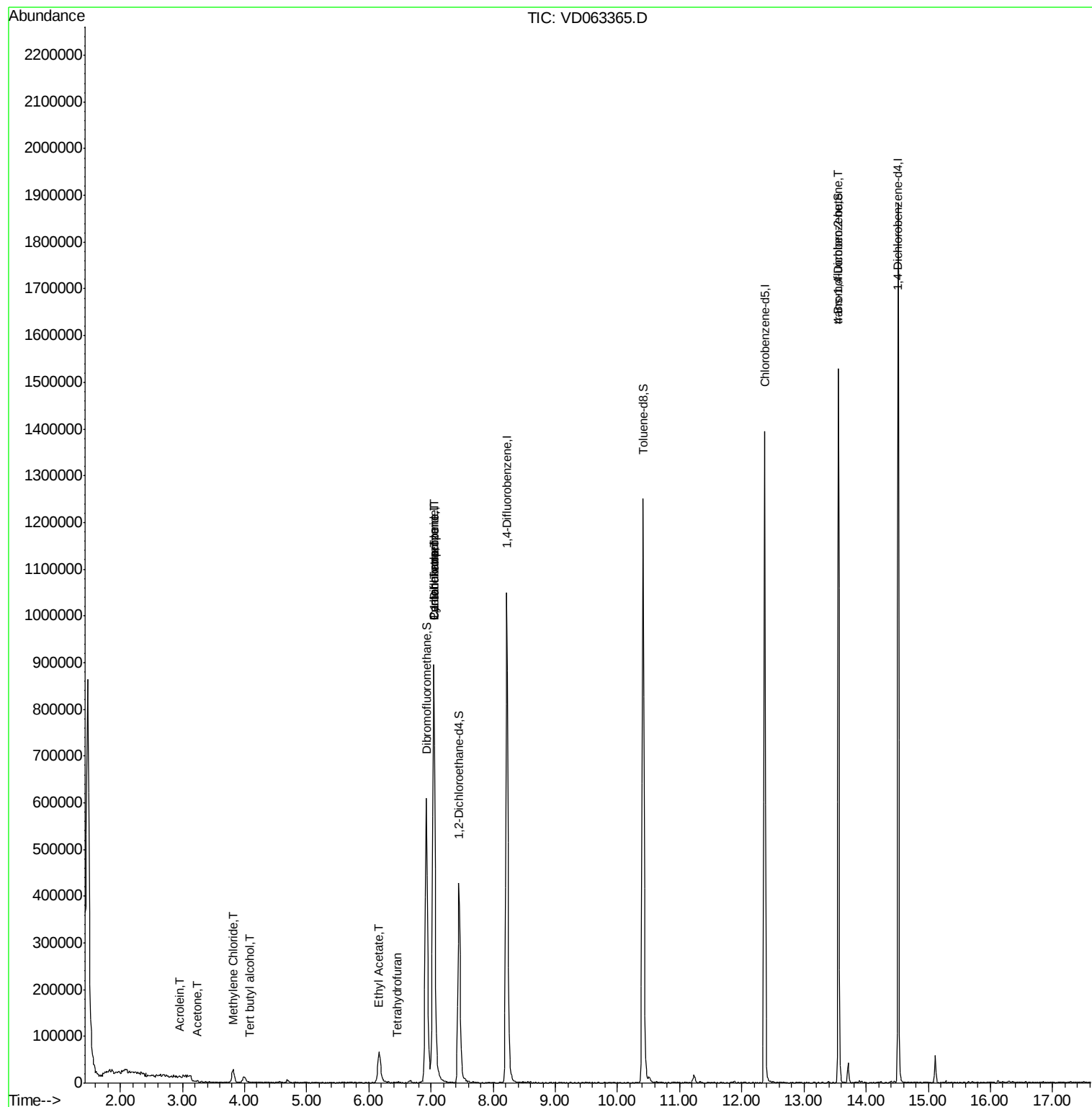
Target Compounds						Qvalue
11) Tert butyl alcohol	4.08	59	954	2.254	ug/l #	69
13) Acrolein	2.94	56	1109	2.723	ug/l	91
16) Acetone	3.23	43	2076	1.105	ug/l #	62
20) Methylene Chloride	3.82	84	17509	2.305	ug/l #	84
29) Tetrahydrofuran	6.46	42	1864	2.088	ug/l #	49
31) Cyclohexane	7.05	56	18395	2.141	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	64748	6.488	ug/l #	53
37) Ethyl Acetate	6.15	43	5353	1.194	ug/l #	13
38) Carbon Tetrachloride	7.05	117	86736	5.773	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	192105	154.586	ug/l #	3

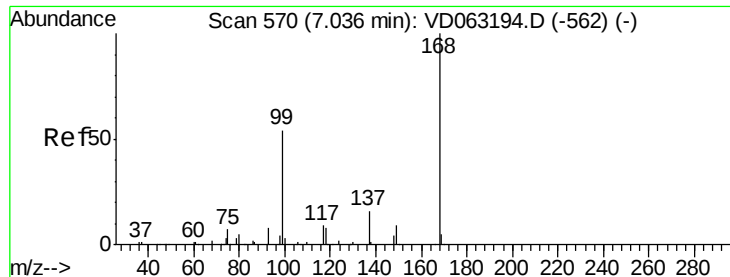
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063365.D

Acq: 3 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

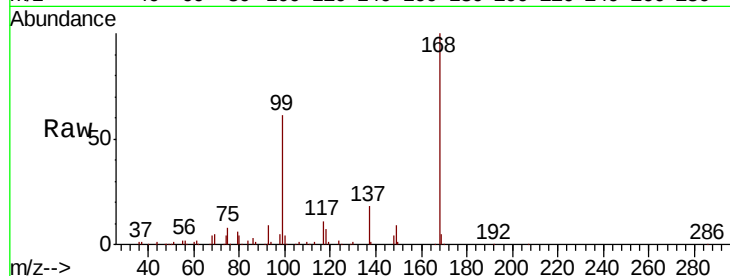
1S-A1-(0-1)

Tgt Ion:168 Resp: 869187

Ion Ratio Lower Upper

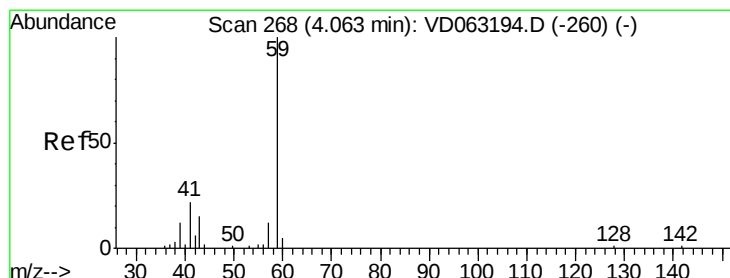
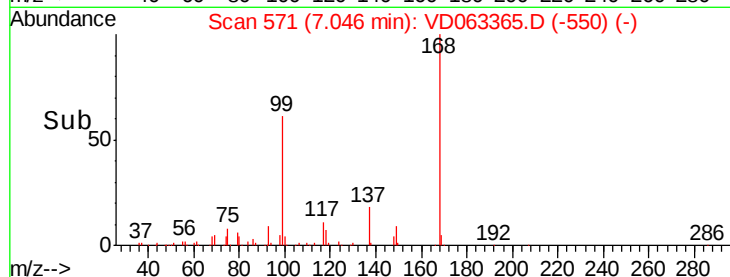
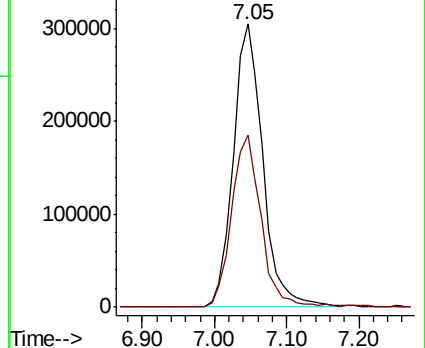
168 100

99 60.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 2.254 ug/l

RT: 4.08 min Scan# 270

Delta R.T. 0.02 min

Lab File: VD063365.D

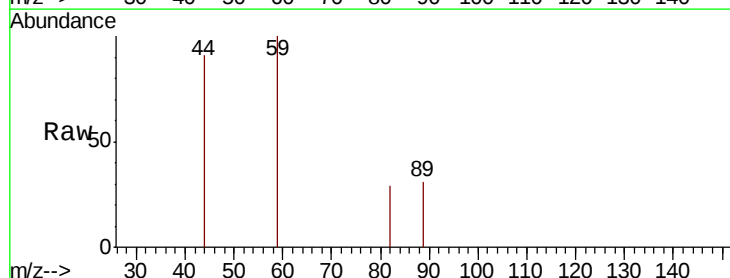
Acq: 3 Aug 2019 16:56

Tgt Ion: 59 Resp: 954

Ion Ratio Lower Upper

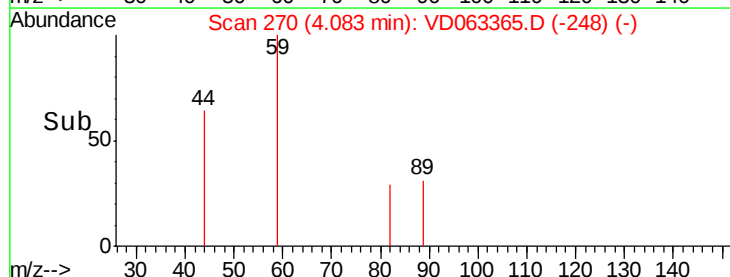
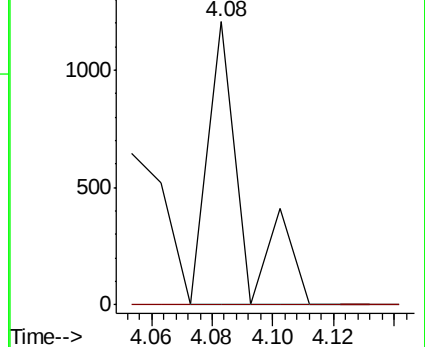
59 100

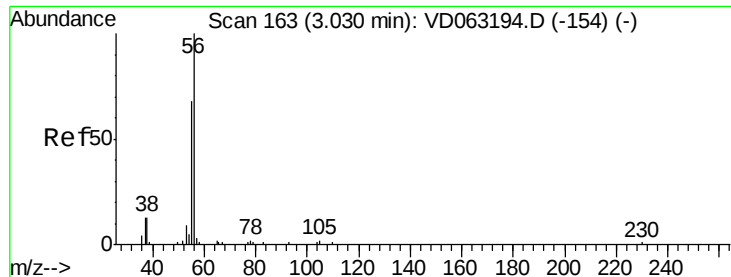
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 2.723 ug/l

RT: 2.94 min Scan# 154

Delta R.T. -0.09 min

Lab File: VD063365.D

Acq: 3 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

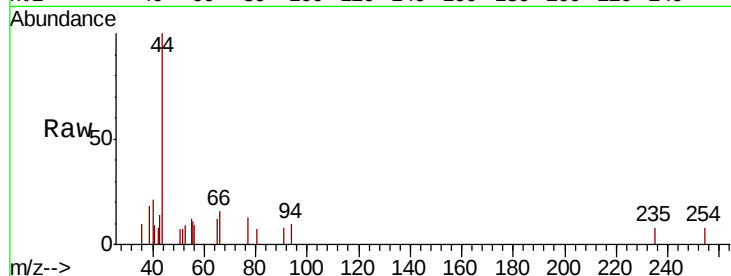
1S-A1-(0-1)

Tgt Ion: 56 Resp: 1109

Ion Ratio Lower Upper

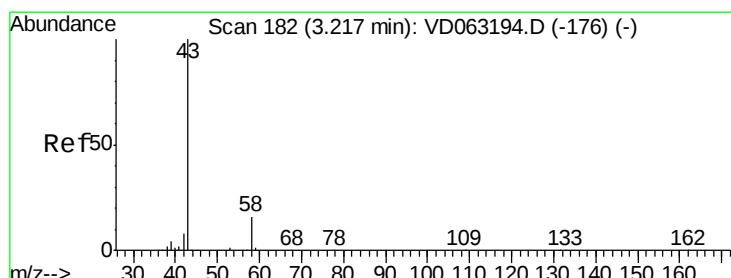
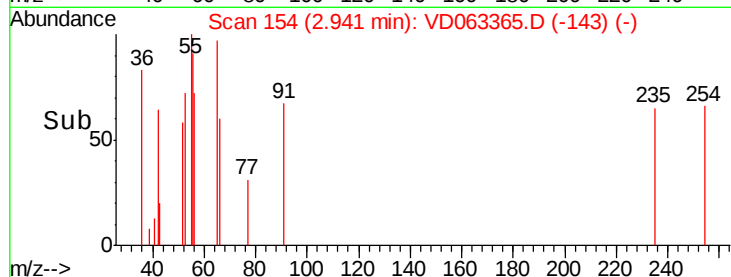
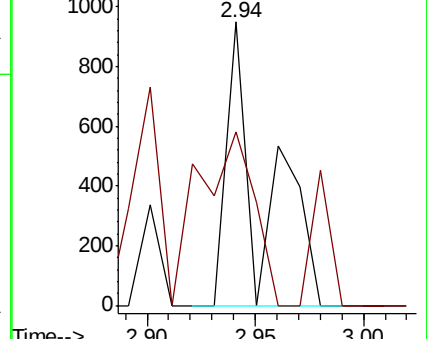
56 100

55 61.4 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 1.105 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063365.D

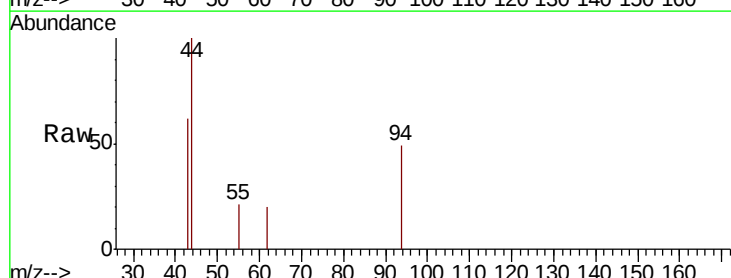
Acq: 3 Aug 2019 16:56

Tgt Ion: 43 Resp: 2076

Ion Ratio Lower Upper

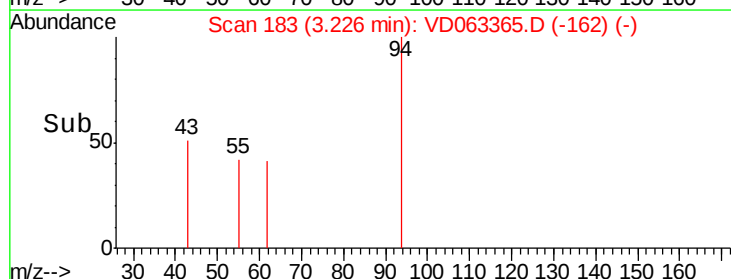
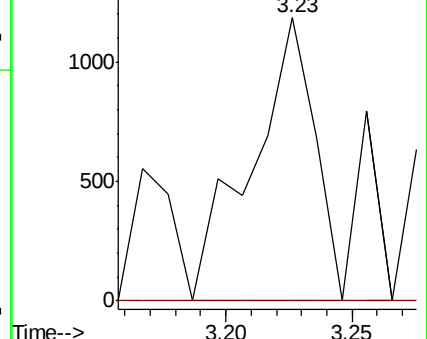
43 100

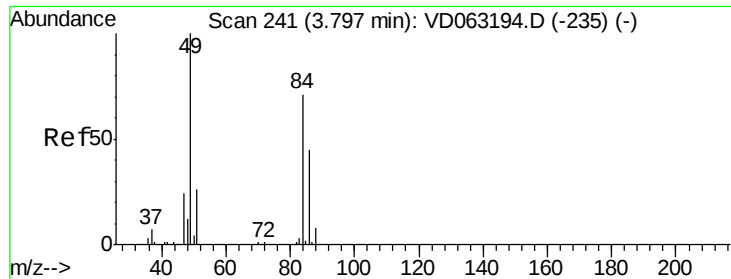
58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

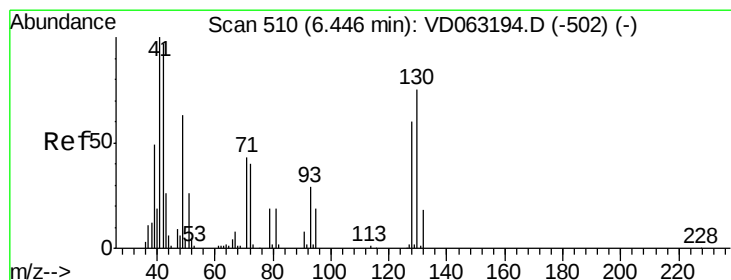
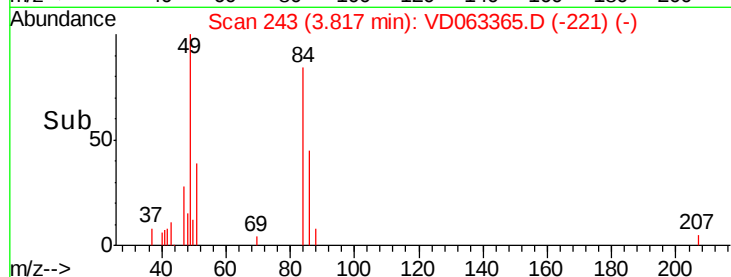
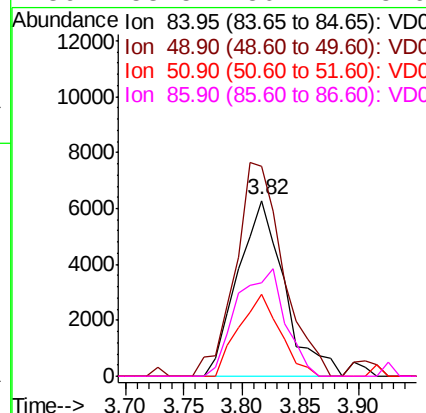
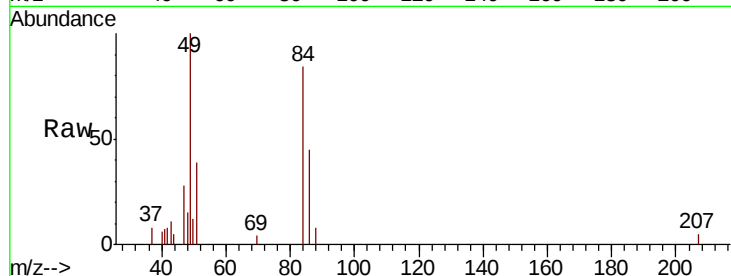




#20
Methylene Chloride
Concen: 2.305 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063365.D
Acq: 3 Aug 2019 16:56

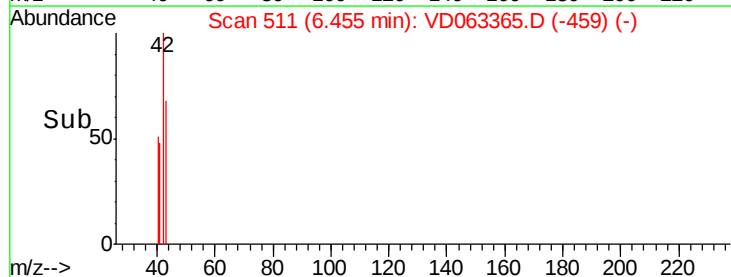
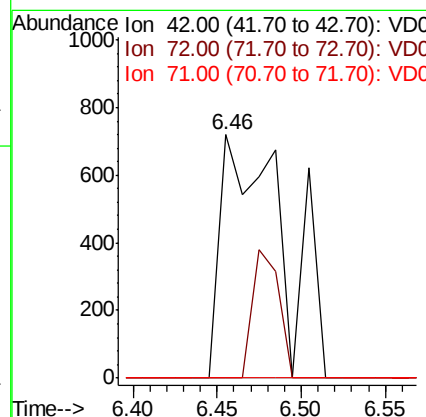
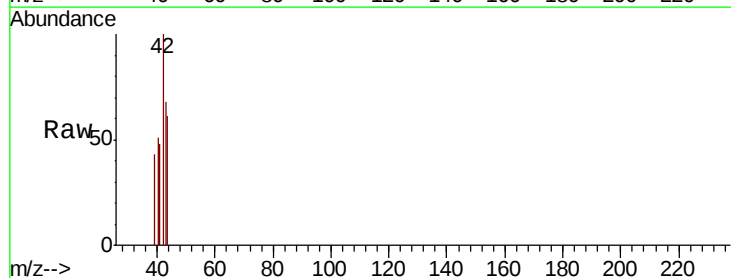
Instrument :
MSVOA_D
ClientSampleId :
1S-A1-(0-1)

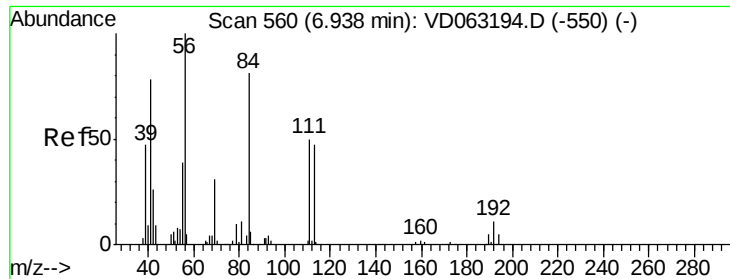
Tgt Ion: 84 Resp: 17509
Ion Ratio Lower Upper
84 100
49 119.1 112.5 168.7
51 47.0 29.6 44.4#
86 53.5 50.4 75.6



#29
Tetrahydrofuran
Concen: 2.088 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD063365.D
Acq: 3 Aug 2019 16:56

Tgt Ion: 42 Resp: 1864
Ion Ratio Lower Upper
42 100
72 22.0 33.4 50.2#
71 0.0 35.7 53.5#

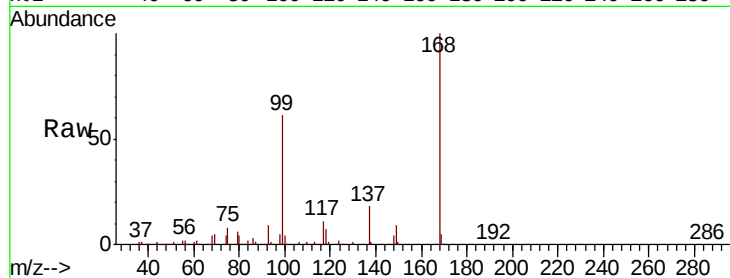




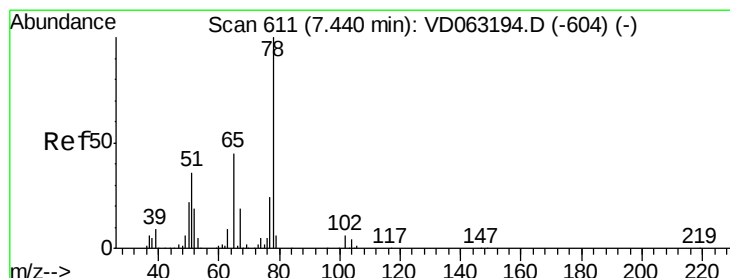
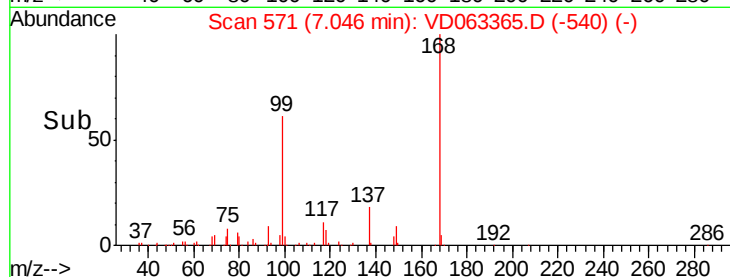
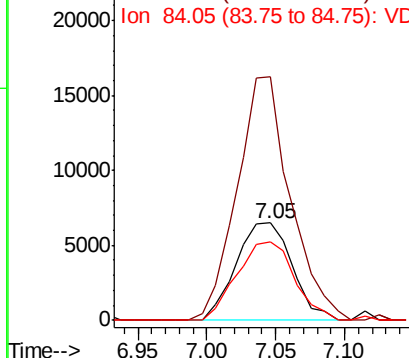
#31
Cyclohexane
Concen: 2.141 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063365.D
Acq: 3 Aug 2019 16:56

Instrument :
MSVOA_D
ClientSampleId :
1S-A1-(0-1)

Tgt Ion: 56 Resp: 18395
Ion Ratio Lower Upper
56 100
69 250.6 24.5 36.7#
84 81.2 64.9 97.3

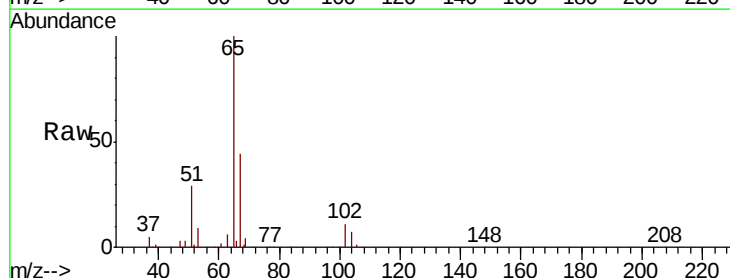


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

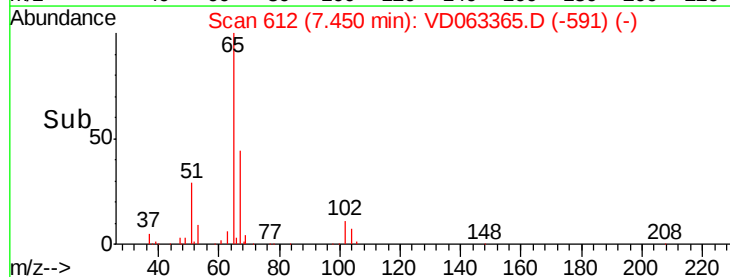
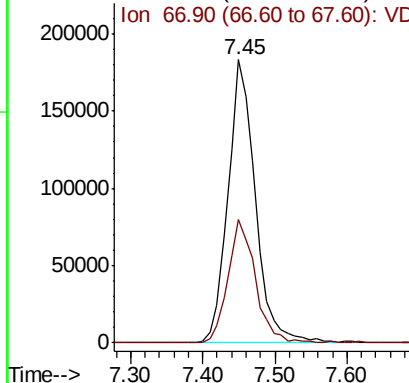


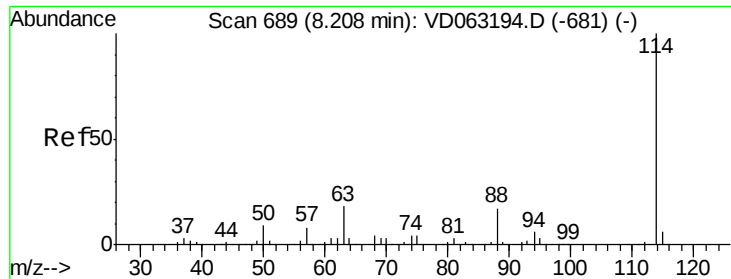
#33
1,2-Dichloroethane-d4
Concen: 50.081 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063365.D
Acq: 3 Aug 2019 16:56

Tgt Ion: 65 Resp: 483005
Ion Ratio Lower Upper
65 100
67 43.5 0.0 85.8



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

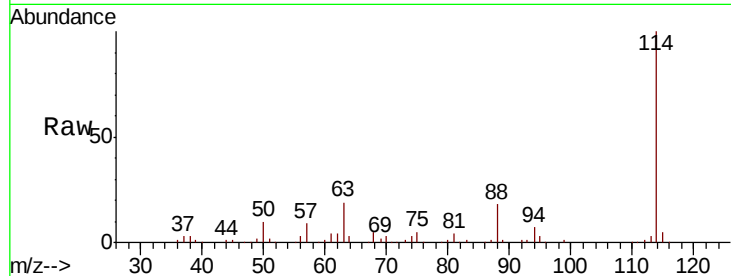




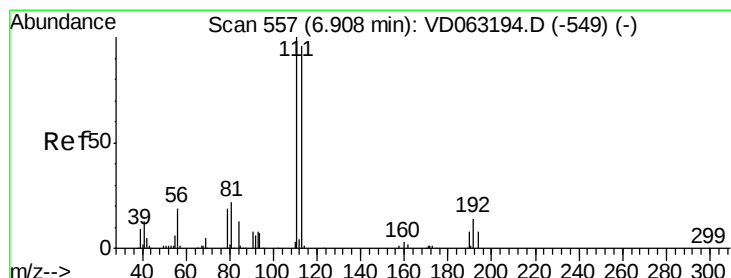
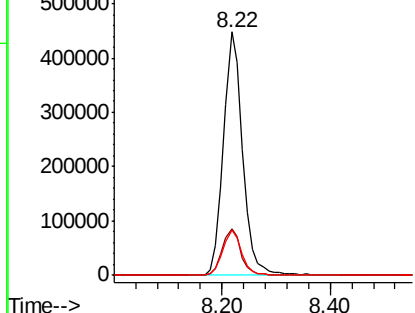
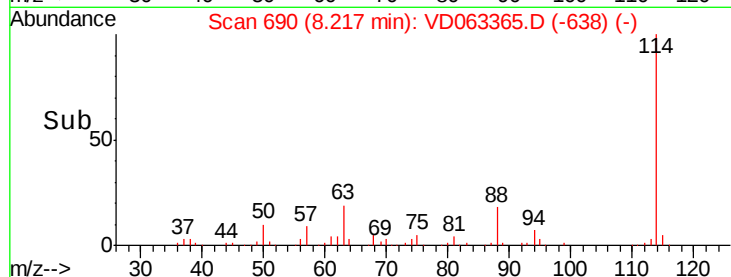
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063365.D
 Acq: 3 Aug 2019 16:56

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-A1-(0-1)

Tgt Ion:114 Resp: 1093514
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 35.2
 88 18.4 0.0 34.6

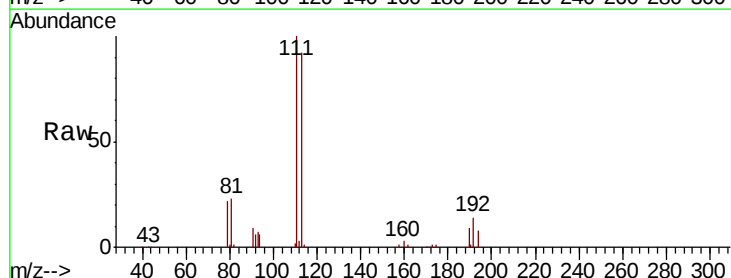


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

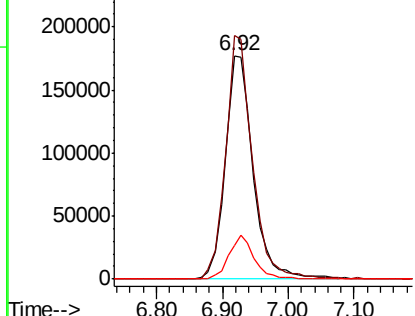
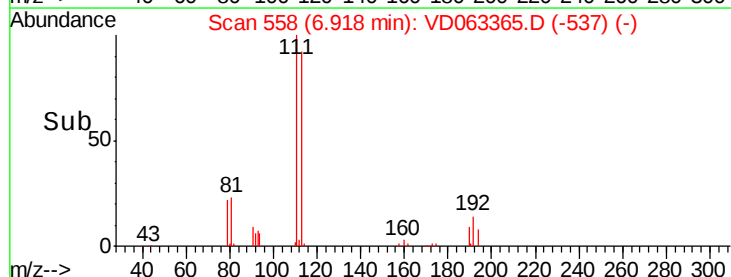


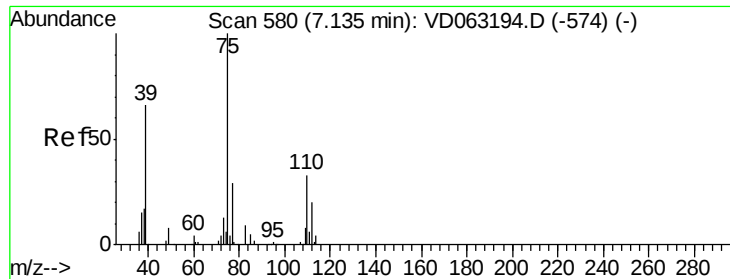
#35
 Dibromofluoromethane
 Concen: 56.153 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063365.D
 Acq: 3 Aug 2019 16:56

Tgt Ion:113 Resp: 524258
 Ion Ratio Lower Upper
 113 100
 111 109.1 83.2 124.8
 192 15.0 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

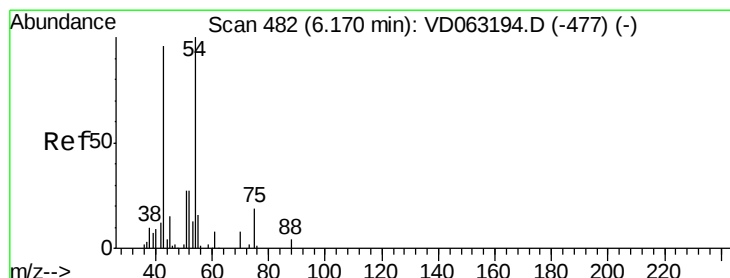
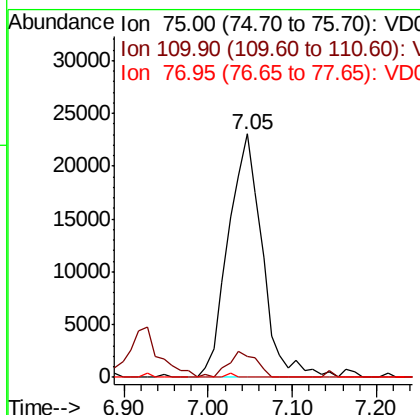
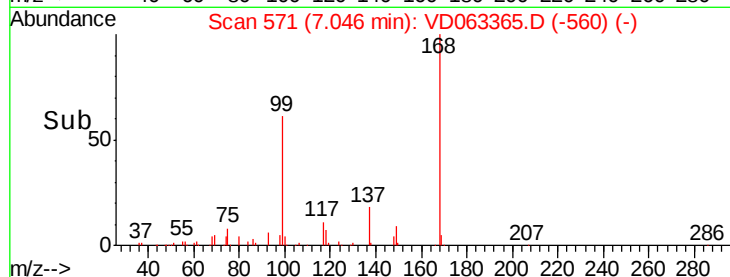
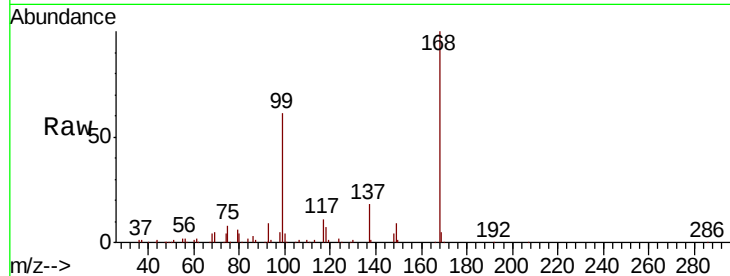




#36
 1,1-Dichloropropene
 Concen: 6.488 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD063365.D
 Acq: 3 Aug 2019 16:56

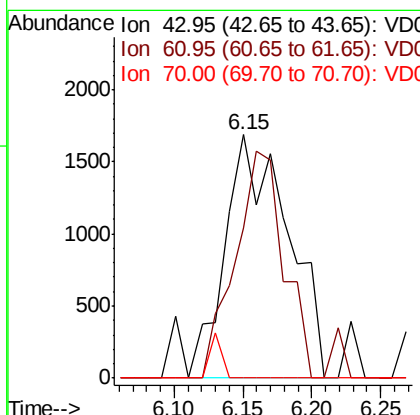
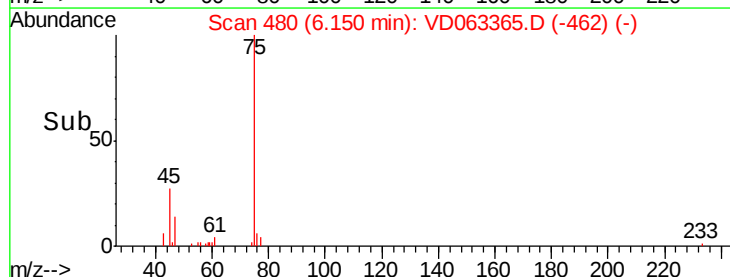
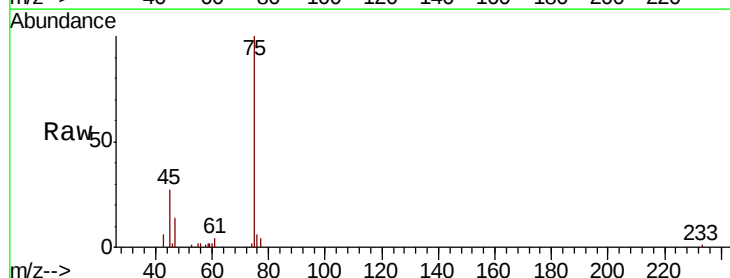
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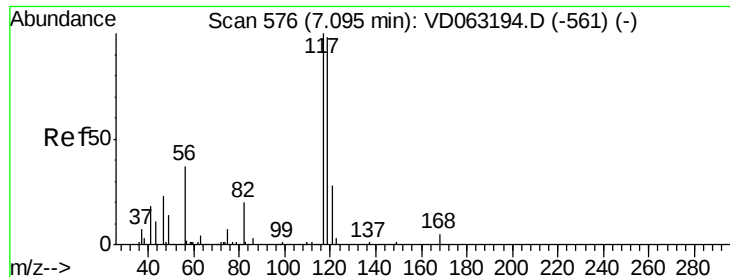
Tgt Ion: 75 Resp: 64748
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.1 48.2#
 77 0.0 22.7 34.1#



#37
 Ethyl Acetate
 Concen: 1.194 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: VD063365.D
 Acq: 3 Aug 2019 16:56

Tgt Ion: 43 Resp: 5353
 Ion Ratio Lower Upper
 43 100
 61 61.9 11.3 16.9#
 70 0.0 5.1 7.7#





#38

Carbon Tetrachloride

Concen: 5.773 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063365.D

Acq: 3 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

1S-A1-(0-1)

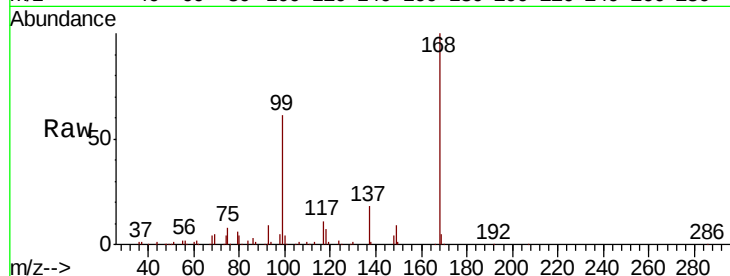
Tgt Ion:117 Resp: 86736

Ion Ratio Lower Upper

117 100

119 5.7 78.2 117.2#

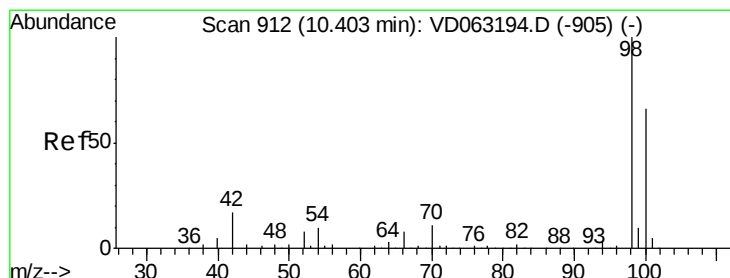
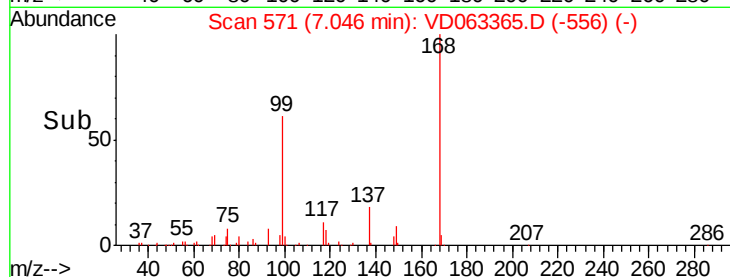
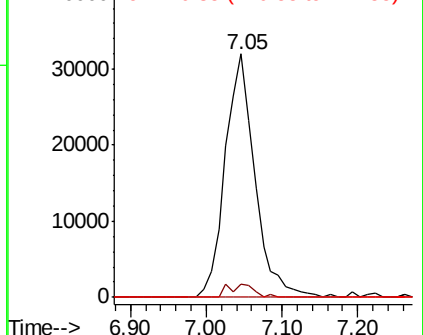
121 0.0 22.1 33.1#



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: 49.724 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063365.D

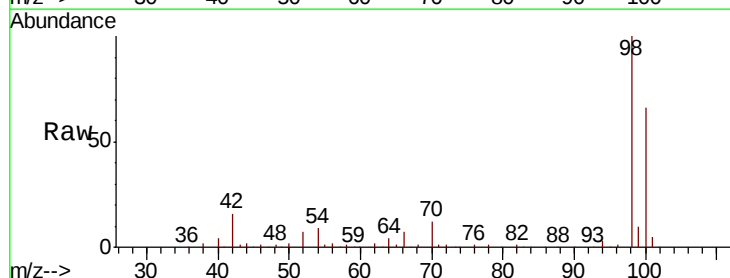
Acq: 3 Aug 2019 16:56

Tgt Ion: 98 Resp: 1038967

Ion Ratio Lower Upper

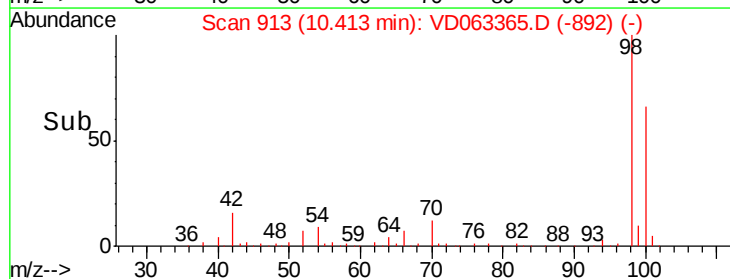
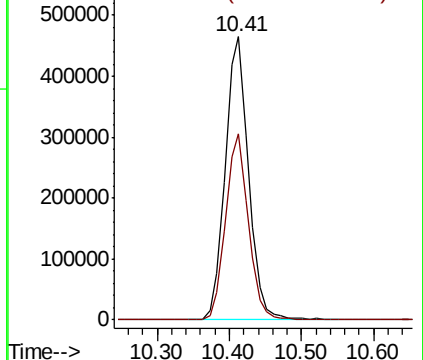
98 100

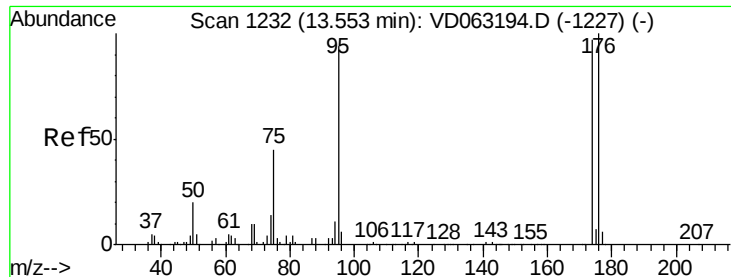
100 65.7 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 41.823 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063365.D

Acq: 3 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

1S-A1-(0-1)

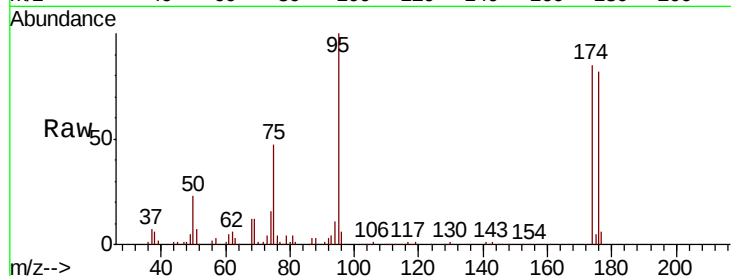
Tgt Ion: 95 Resp: 398218

Ion Ratio Lower Upper

95 100

174 84.9 0.0 205.4

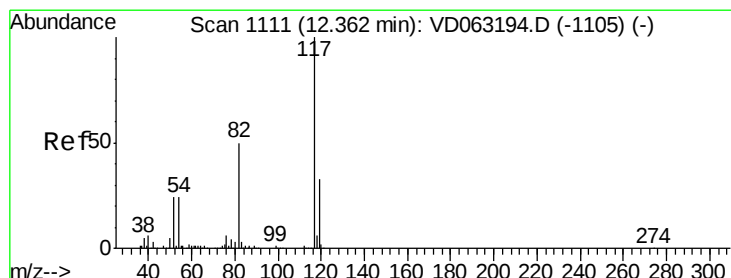
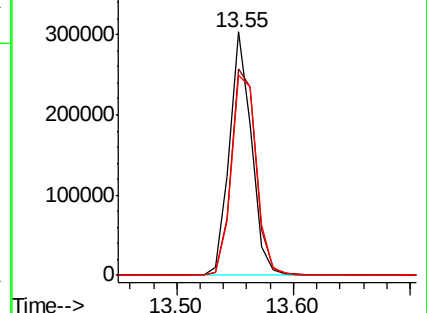
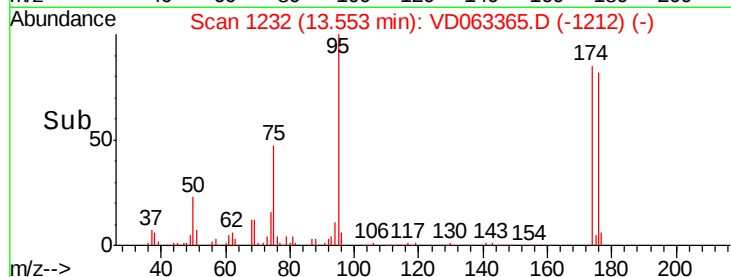
176 82.1 0.0 211.8



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063365.D

Acq: 3 Aug 2019 16:56

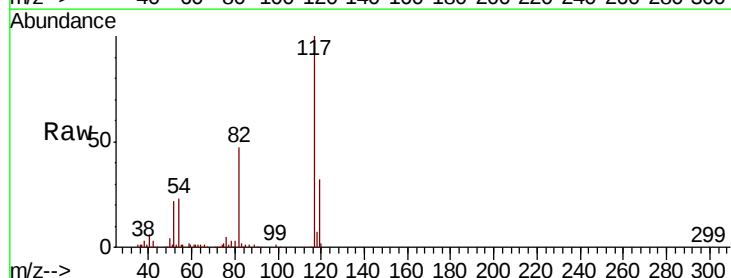
Tgt Ion: 117 Resp: 826237

Ion Ratio Lower Upper

117 100

82 47.3 40.1 60.1

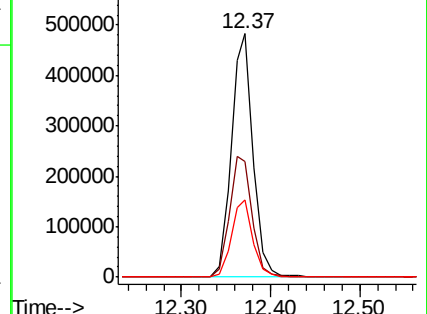
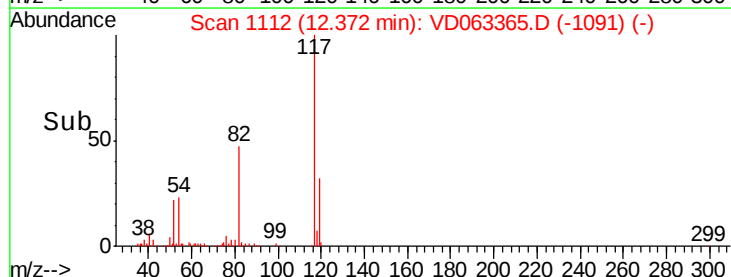
119 31.5 26.5 39.7

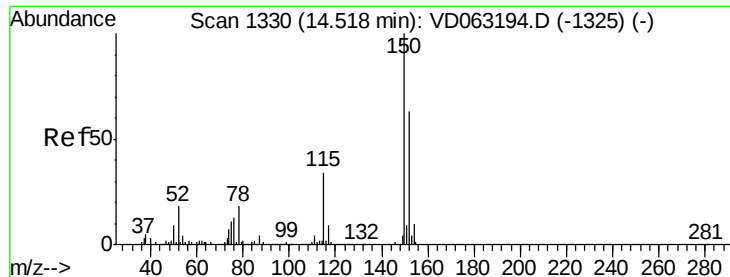


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063365.D

Acq: 3 Aug 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

1S-A1-(0-1)

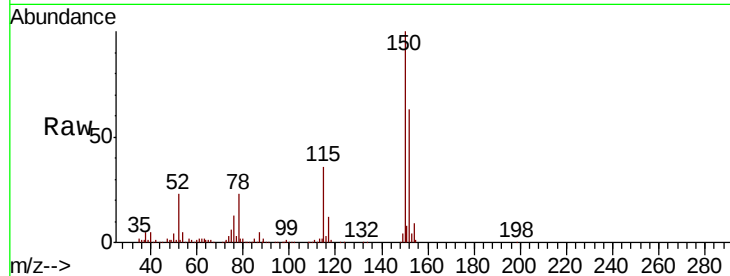
Tgt Ion:152 Resp: 372592

Ion Ratio Lower Upper

152 100

115 57.3 27.5 82.4

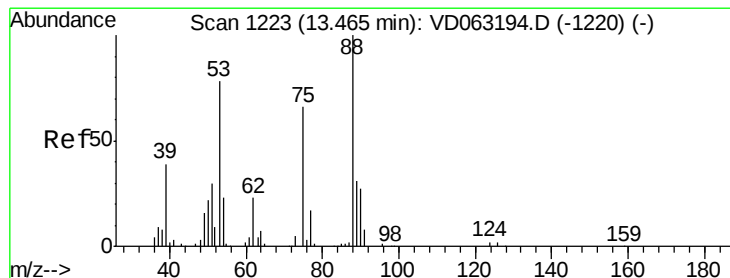
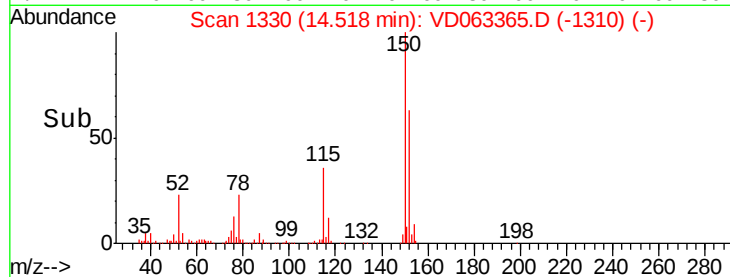
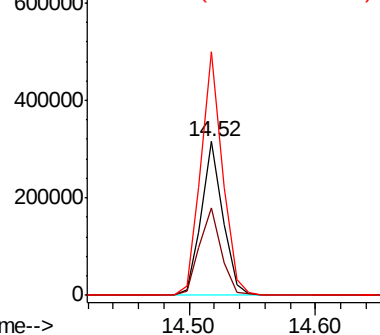
150 158.7 0.0 320.6



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: 154.586 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063365.D

Acq: 3 Aug 2019 16:56

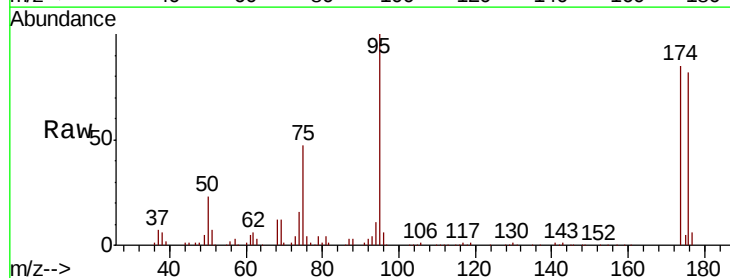
Tgt Ion: 75 Resp: 192105

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

