

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082219\
 Data File : VD063744.D
 Acq On : 22 Aug 2019 20:09
 Operator : JC/SY
 Sample : K4451-03
 Misc : 6.50g/5ml/MSVOA_D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-3

Quant Time: Aug 23 07:01:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	933257	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1366342	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1202034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	607877	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	651158	65.27	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	130.54%	
35) Dibromofluoromethane	6.92	113	755134	65.62	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	131.24%	
50) Toluene-d8	10.40	98	1645571	65.04	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	130.08%	
62) 4-Bromofluorobenzene	13.55	95	617605	53.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.72%	

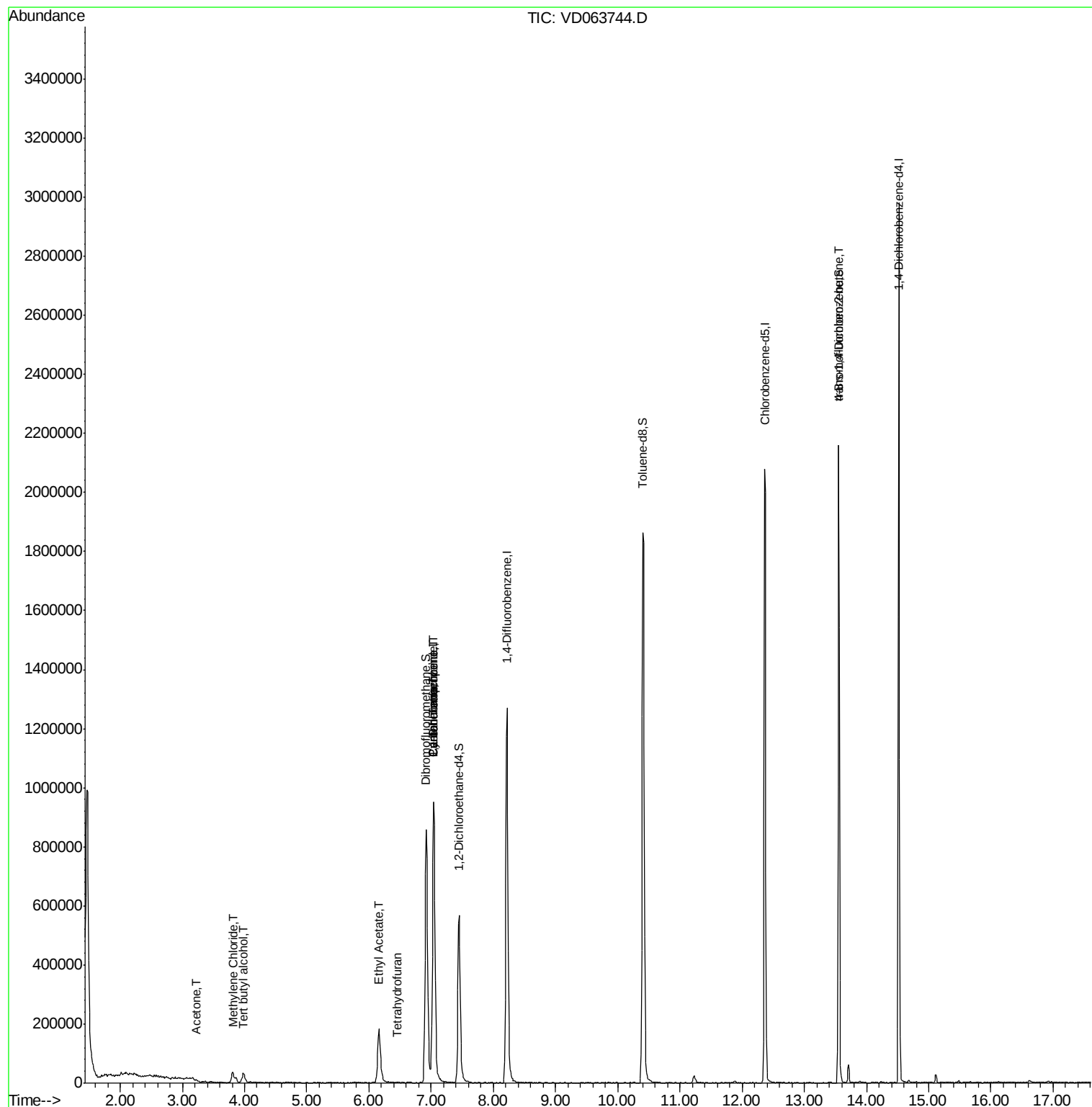
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	30102	69.317	ug/l #	71
16) Acetone	3.22	43	15710	7.747	ug/l	95
20) Methylene Chloride	3.81	84	22852	2.606	ug/l #	84
29) Tetrahydrofuran	6.45	42	1591	1.705	ug/l #	59
31) Cyclohexane	7.05	56	16896	1.876	ug/l #	2
36) 1,1-Dichloropropene	7.04	75	71720	5.938	ug/l #	48
37) Ethyl Acetate	6.15	43	12934	2.555	ug/l #	1
38) Carbon Tetrachloride	7.04	117	90241	4.957	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	278230	148.383	ug/l #	1

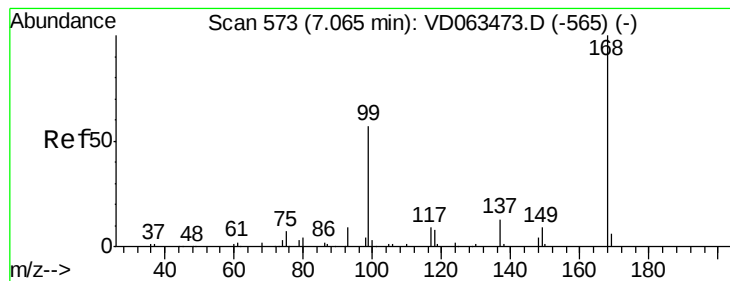
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063744.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_D

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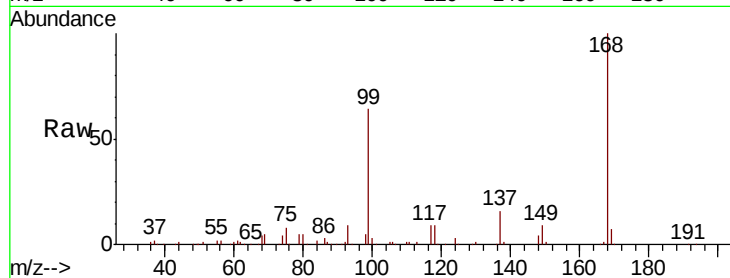
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Tgt Ion:168 Resp: 933257

Ion Ratio Lower Upper

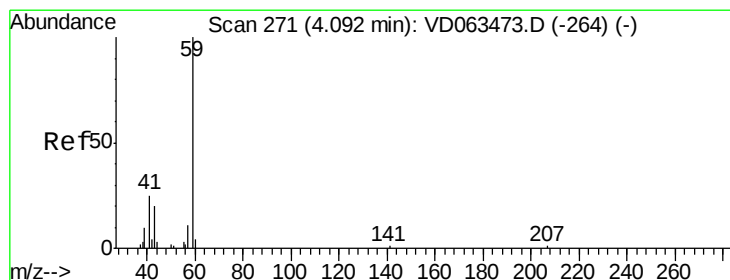
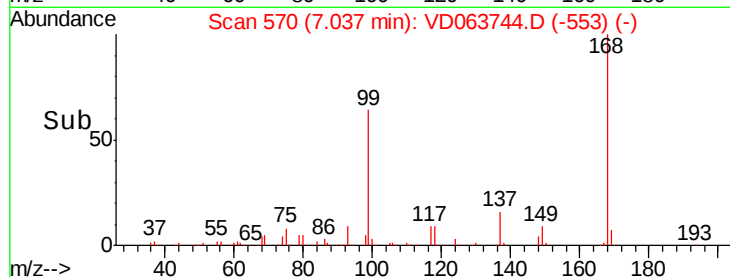
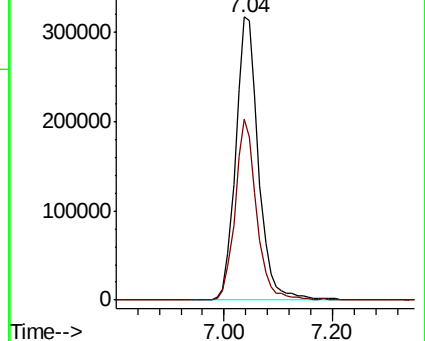
168 100

99 64.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 69.317 ug/l

RT: 3.98 min Scan# 259

Delta R.T. -0.12 min

Lab File: VD063744.D

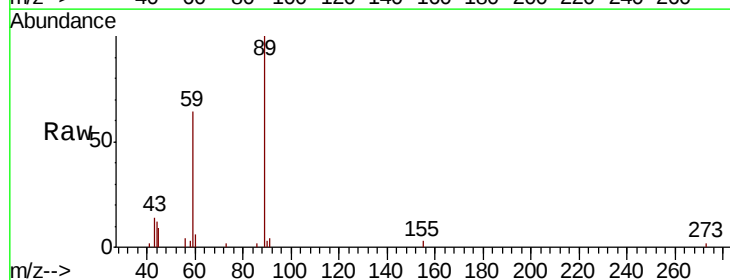
Acq: 22 Aug 2019 20:09

Tgt Ion: 59 Resp: 30102

Ion Ratio Lower Upper

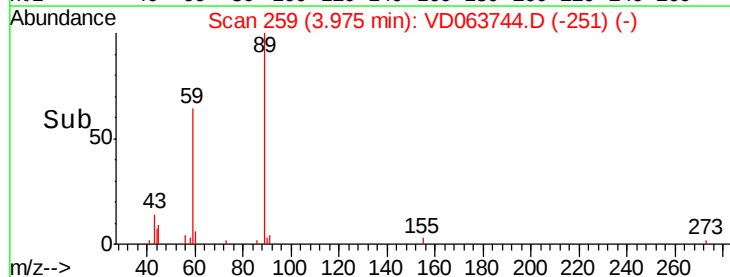
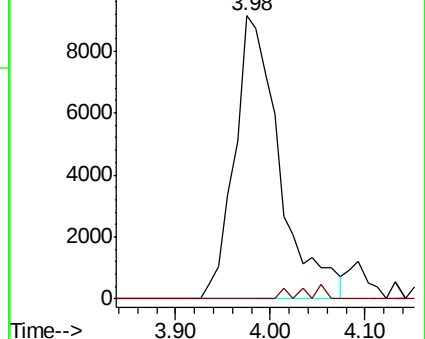
59 100

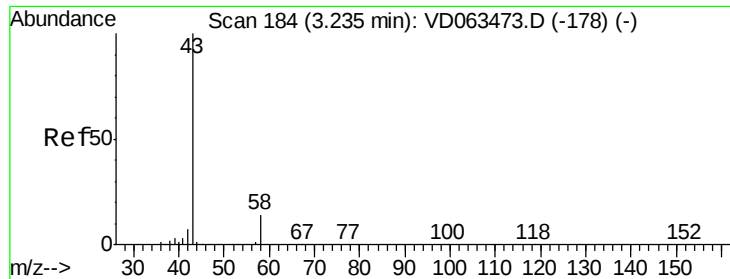
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

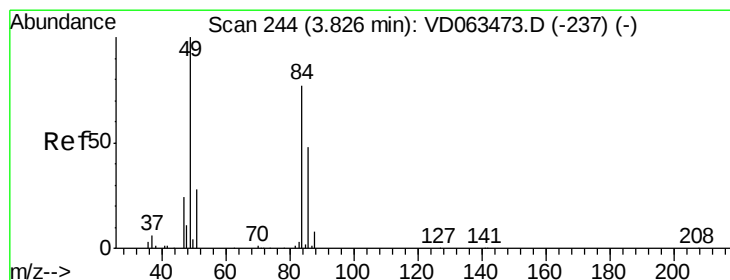
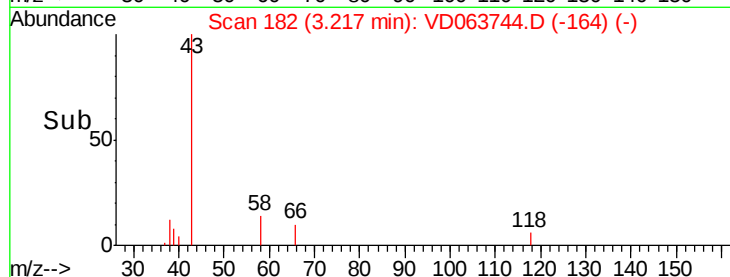
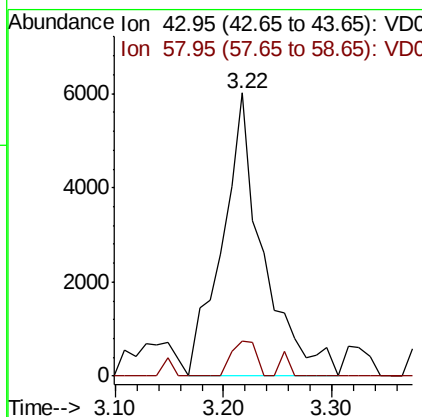
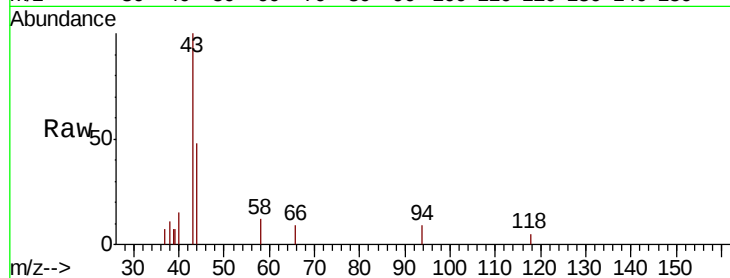




#16
Acetone
Concen: 7.747 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.02 min
Lab File: VD063744.D
Acq: 22 Aug 2019 20:09

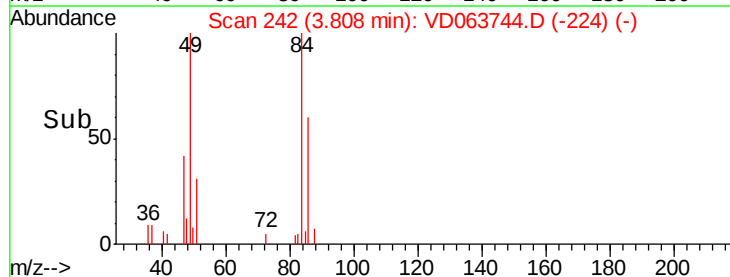
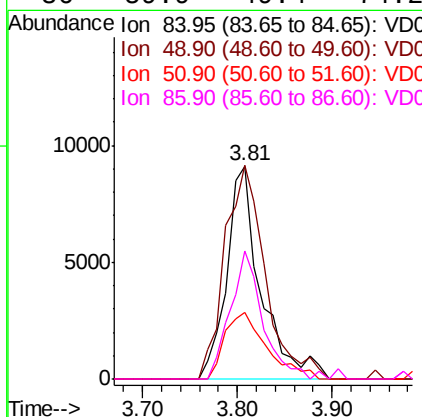
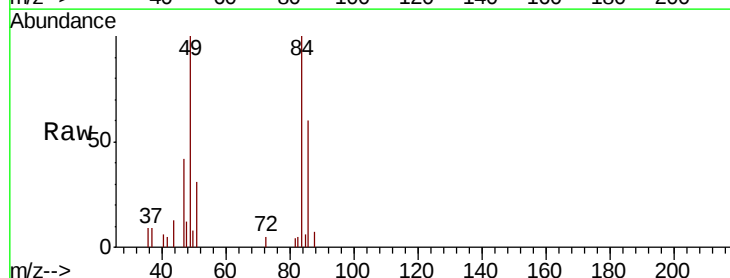
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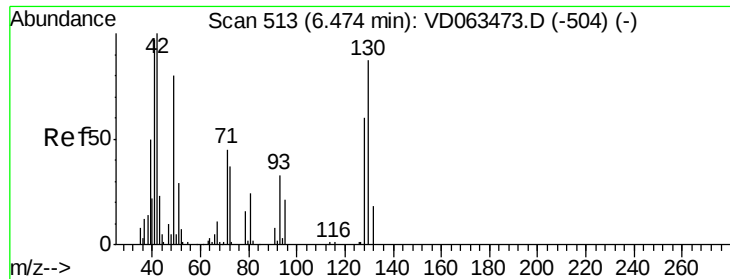
Tgt Ion: 43 Resp: 15710
Ion Ratio Lower Upper
43 100
58 12.2 11.4 17.2



#20
Methylene Chloride
Concen: 2.606 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063744.D
Acq: 22 Aug 2019 20:09

Tgt Ion: 84 Resp: 22852
Ion Ratio Lower Upper
84 100
49 100.3 103.4 155.2#
51 31.0 28.5 42.7
86 59.9 49.4 74.2

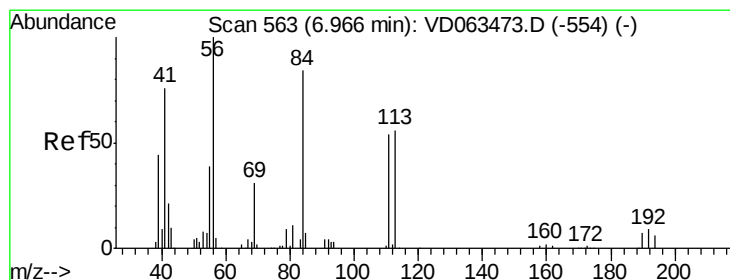
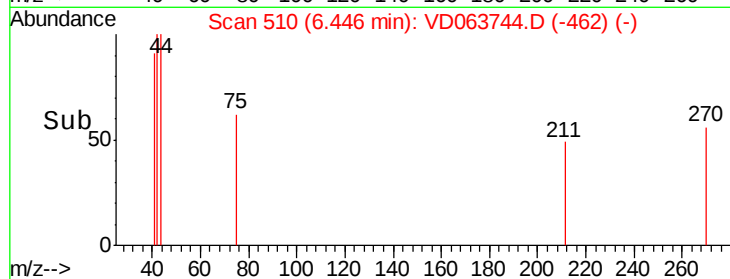
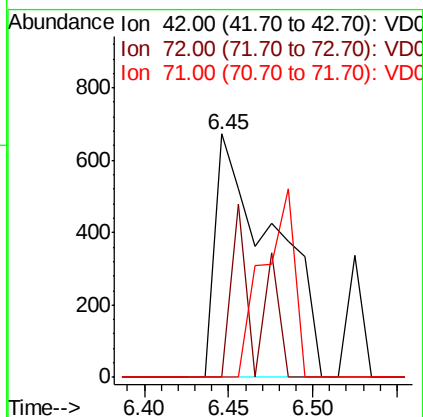
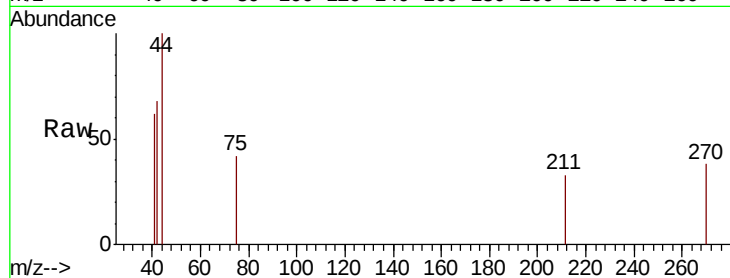




#29
Tetrahydrofuran
Concen: 1.705 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.03 min
Lab File: VD063744.D
Acq: 22 Aug 2019 20:09

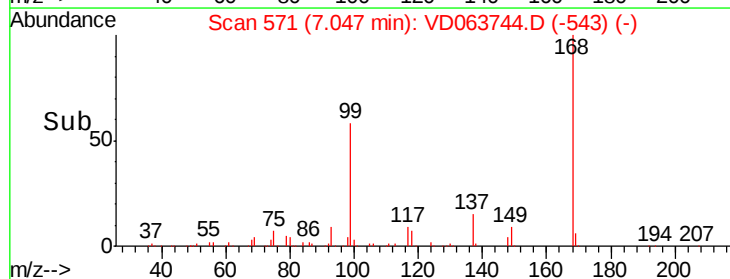
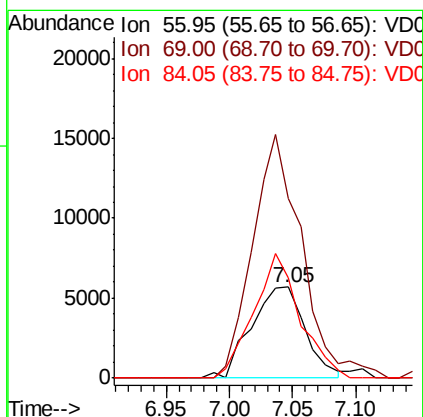
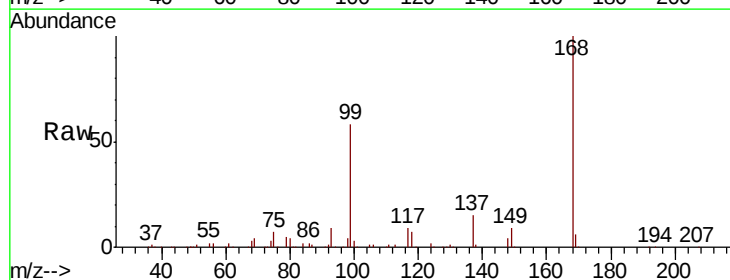
Instrument :
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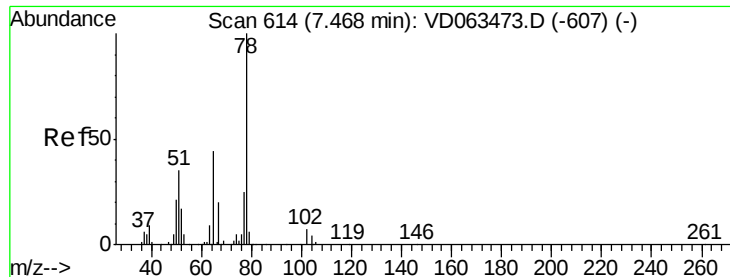
Tgt Ion: 42 Resp: 1591
Ion Ratio Lower Upper
42 100
72 30.5 31.5 47.3#
71 0.0 33.8 50.8#



#31
Cyclohexane
Concen: 1.876 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD063744.D
Acq: 22 Aug 2019 20:09

Tgt Ion: 56 Resp: 16896
Ion Ratio Lower Upper
56 100
69 198.0 25.0 37.6#
84 110.5 69.7 104.5#

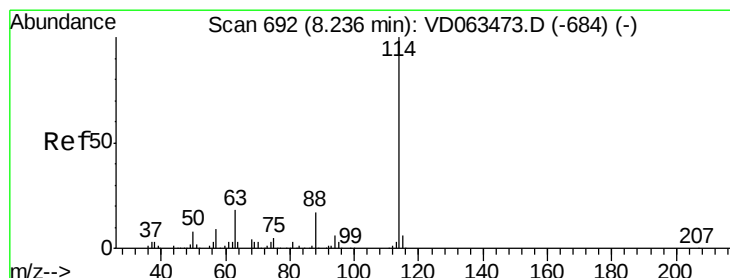
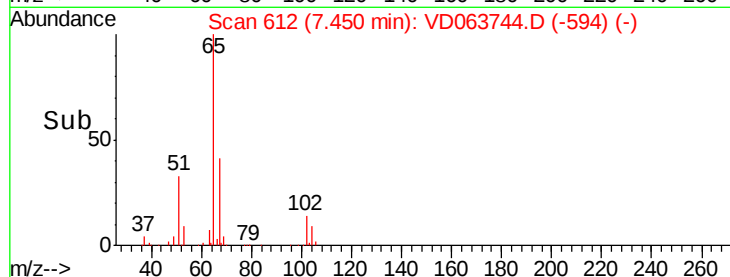
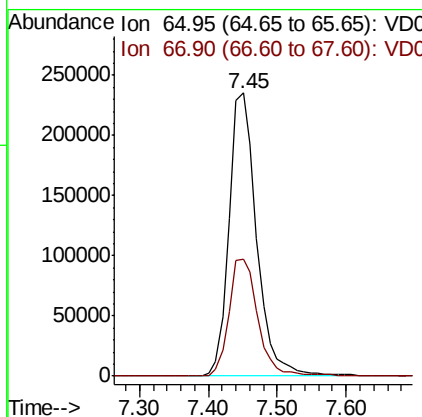
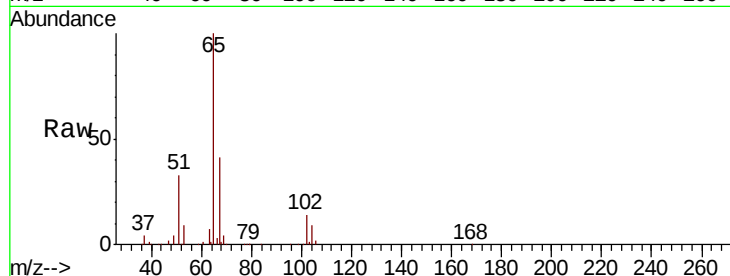




#33
 1,2-Dichloroethane-d4
 Concen: 65.274 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD063744.D
 Acq: 22 Aug 2019 20:09

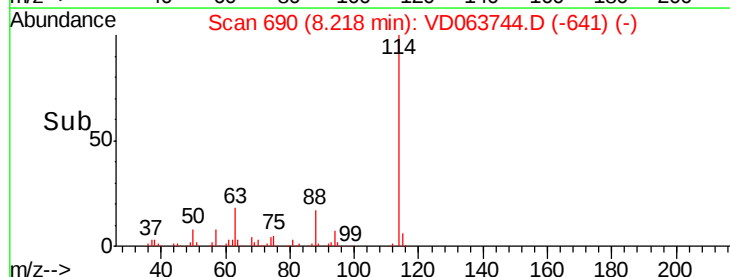
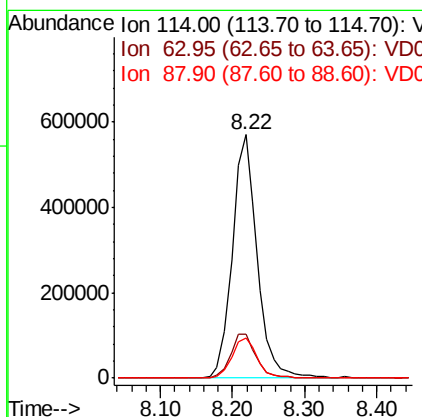
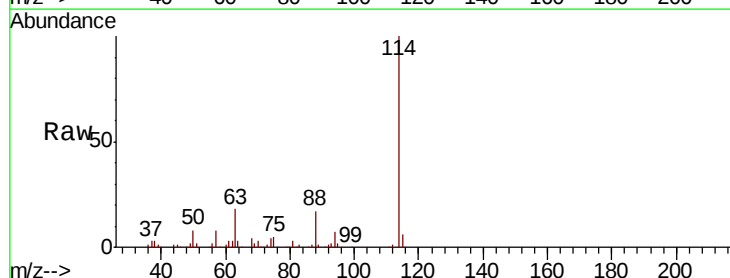
Instrument :
 MSVOA_D
 ClientSampleId :
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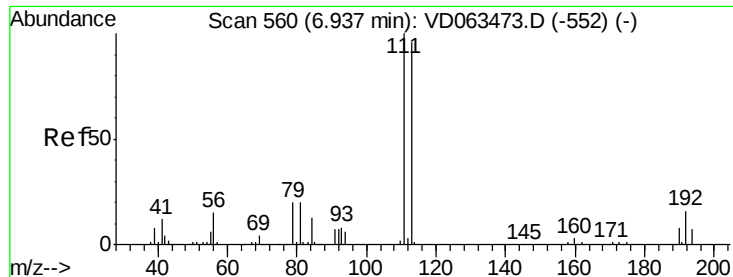
Tgt Ion: 65 Resp: 651158
 Ion Ratio Lower Upper
 65 100
 67 41.5 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD063744.D
 Acq: 22 Aug 2019 20:09

Tgt Ion: 114 Resp: 1366342
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.2
 88 16.6 0.0 35.0

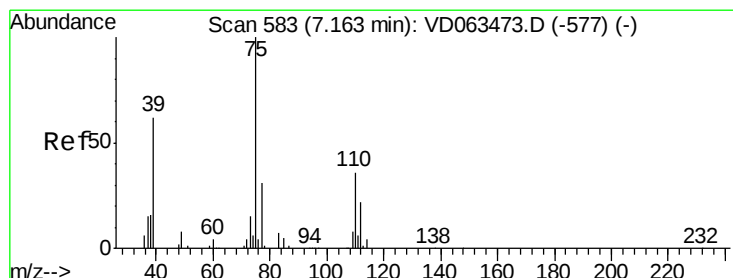
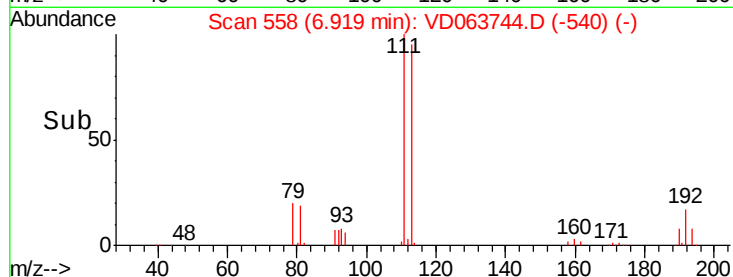
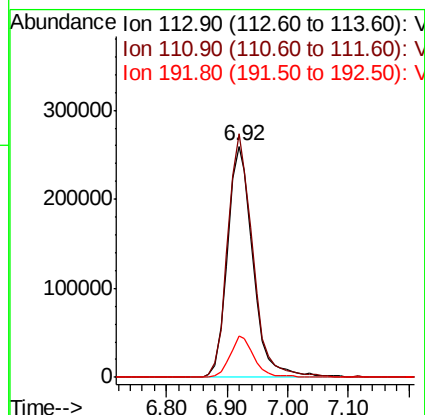
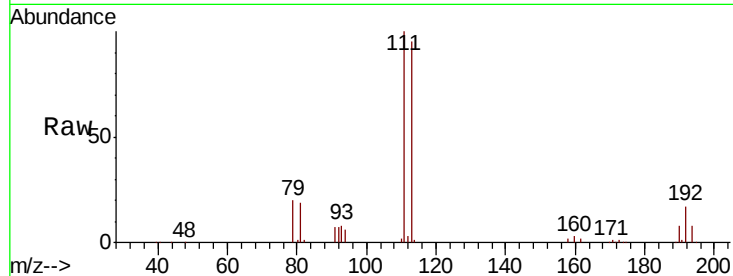




#35
 Dibromofluoromethane
 Concen: 65.621 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD063744.D
 Acq: 22 Aug 2019 20:09

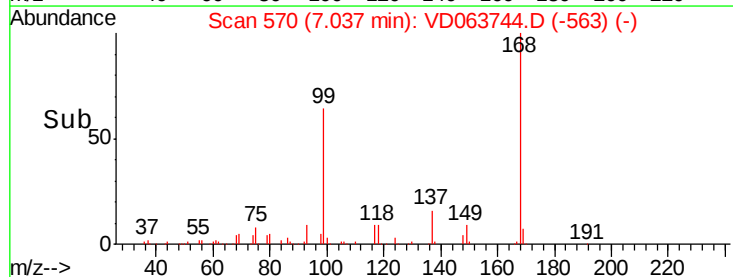
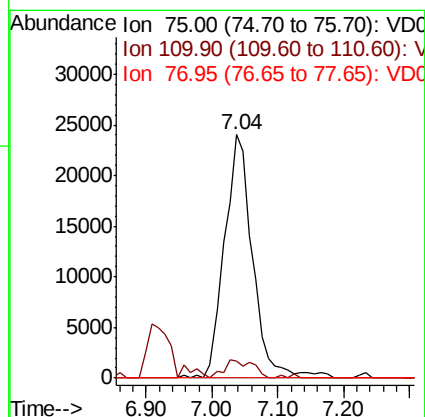
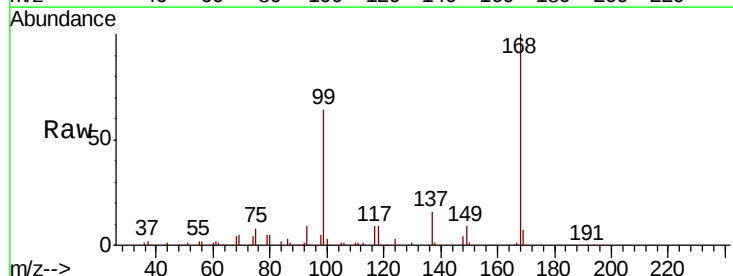
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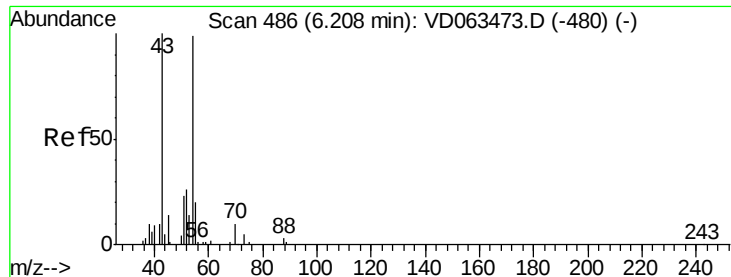
Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.3	83.1	124.7
192	17.8	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 5.938 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063744.D
 Acq: 22 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.9	17.6	52.8#
77	0.0	24.3	36.5#





#37

Ethyl Acetate

Concen: 2.555 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.06 min

Lab File: VD063744.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_D

ClientSampleId :

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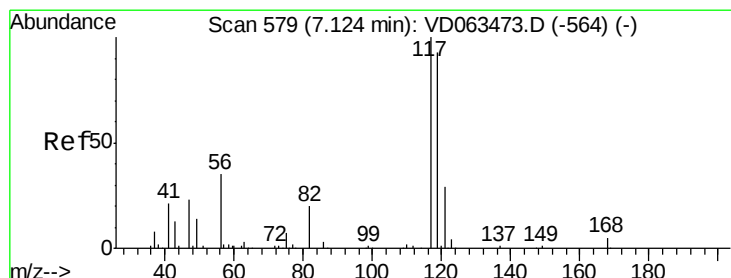
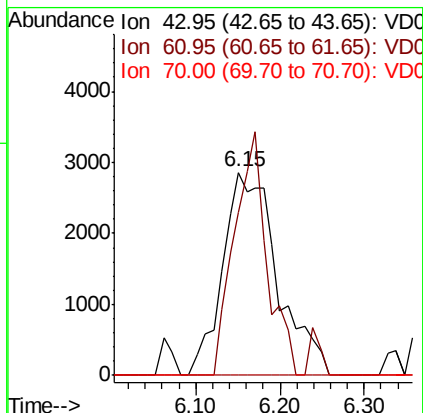
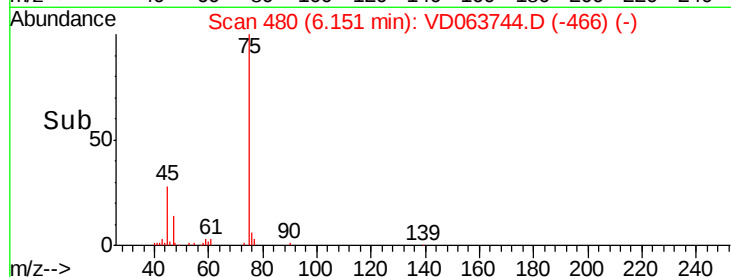
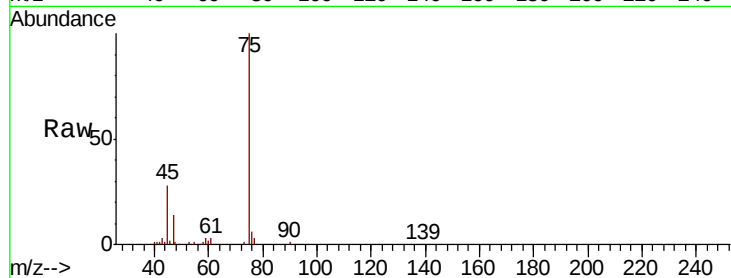
Tgt Ion: 43 Resp: 12934

Ion Ratio Lower Upper

43 100

61 80.1 9.0 13.6#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 4.957 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063744.D

Acq: 22 Aug 2019 20:09

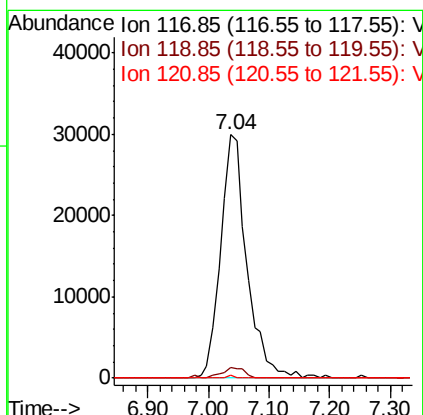
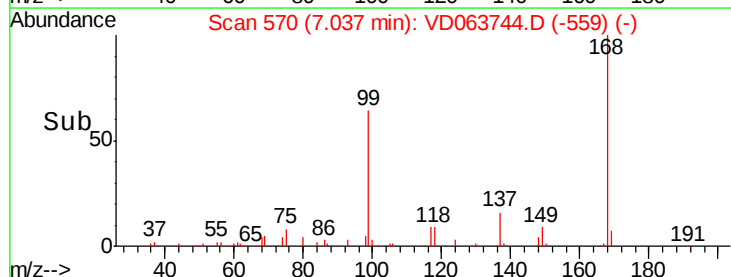
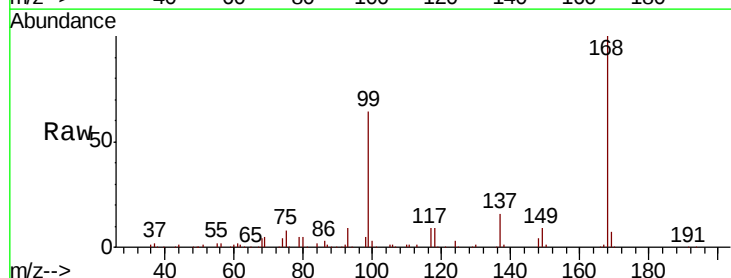
Tgt Ion: 117 Resp: 90241

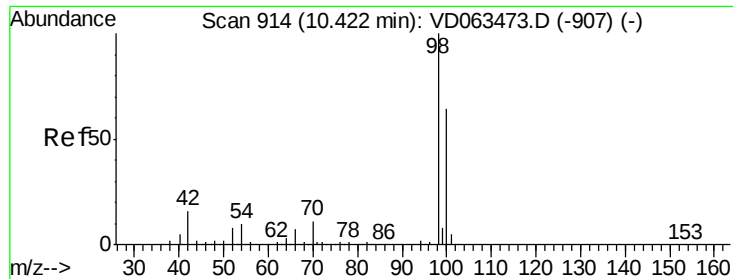
Ion Ratio Lower Upper

117 100

119 4.6 74.2 111.2#

121 1.0 23.1 34.7#

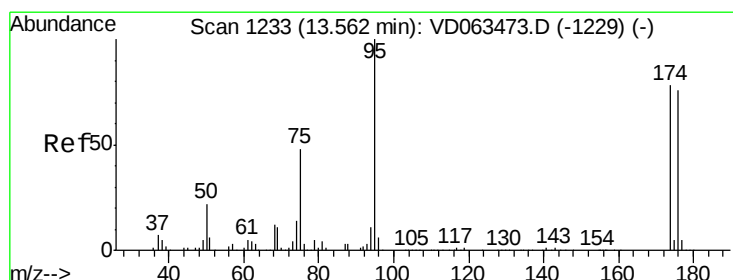
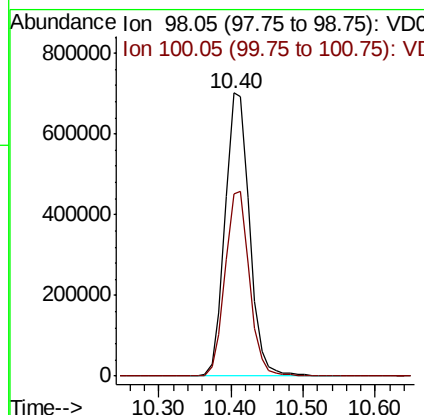
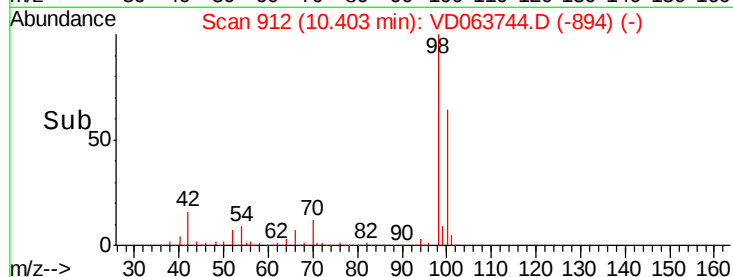
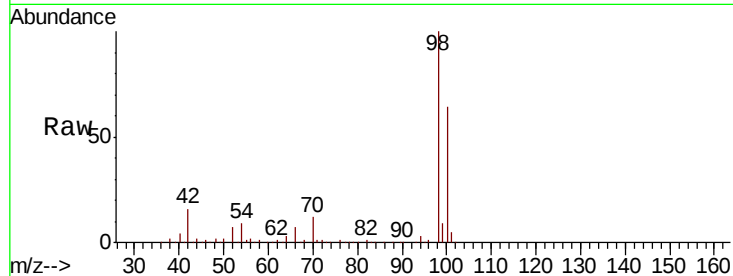




#50
Toluene-d8
Concen: 65.043 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063744.D
Acq: 22 Aug 2019 20:09

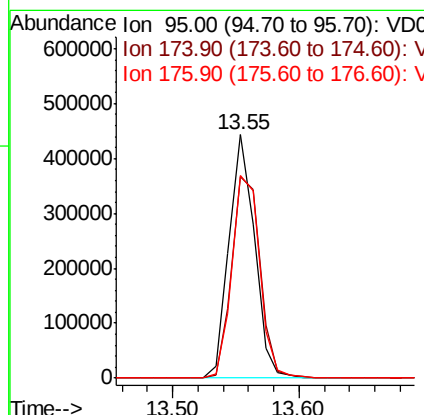
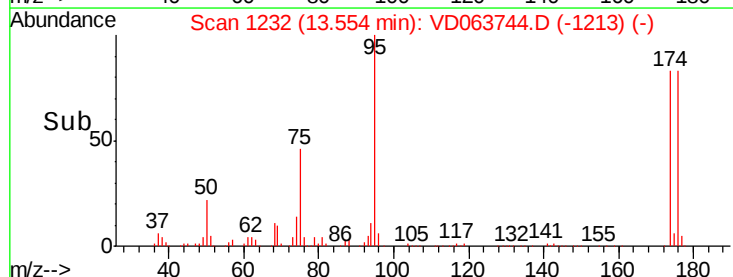
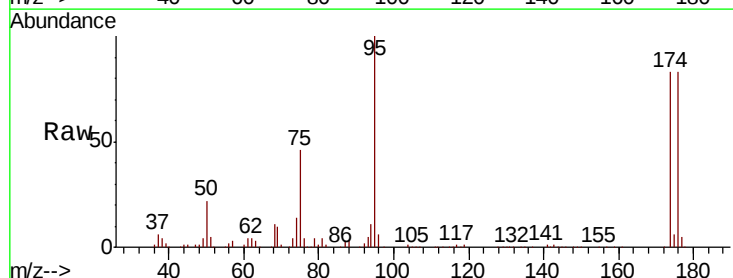
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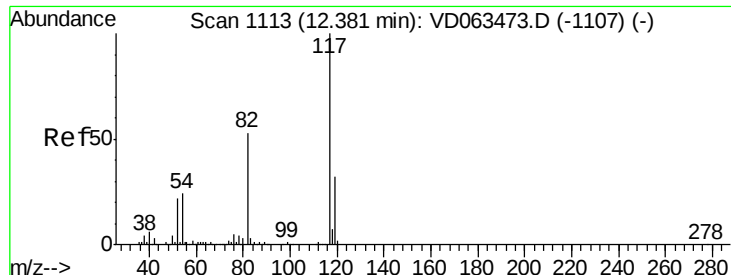
Tgt Ion: 98 Resp: 1645571
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 53.860 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063744.D
Acq: 22 Aug 2019 20:09

Tgt Ion: 95 Resp: 617605
Ion Ratio Lower Upper
95 100
174 82.8 0.0 155.4
176 83.1 0.0 152.4

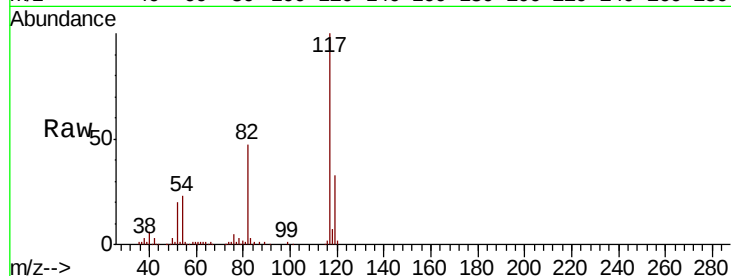




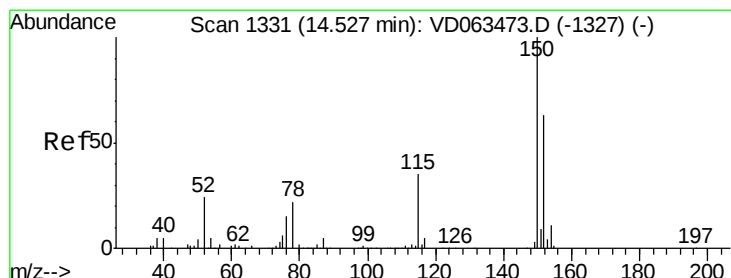
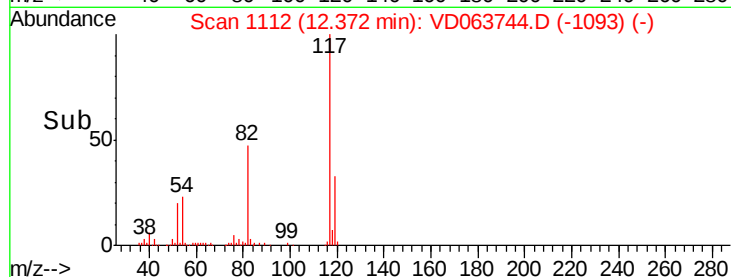
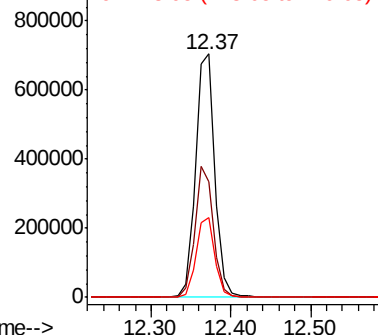
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063744.D
Acq: 22 Aug 2019 20:09

Instrument :
MSVOA_D
ClientSampleId :
B-3

Tgt Ion:117 Resp: 1202034
Ion Ratio Lower Upper
117 100
82 47.5 42.0 63.0
119 32.9 25.4 38.0

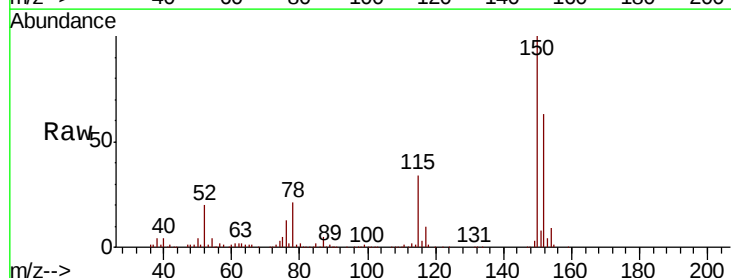


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

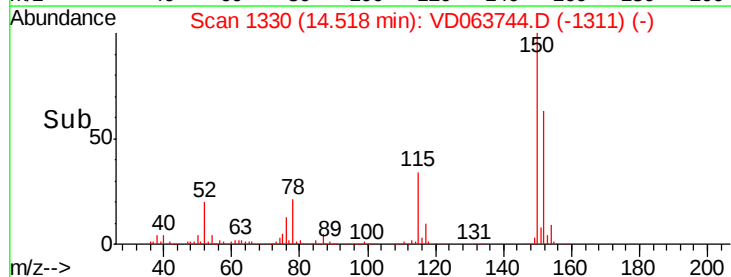
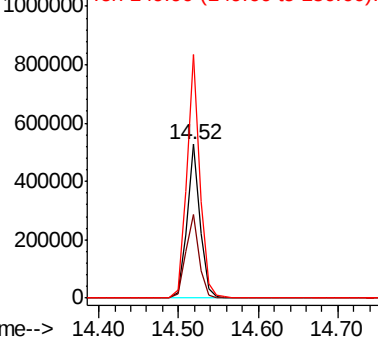


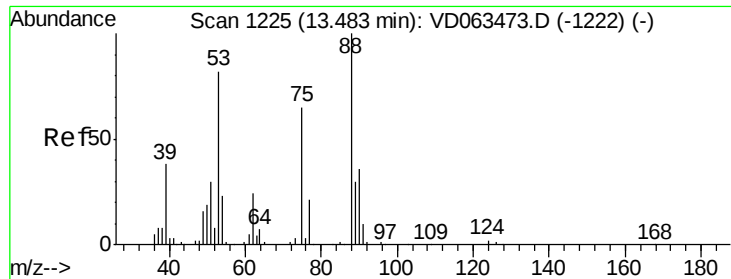
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063744.D
Acq: 22 Aug 2019 20:09

Tgt Ion:152 Resp: 607877
Ion Ratio Lower Upper
152 100
115 54.5 30.9 92.7
150 158.5 0.0 318.6



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: 148.383 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063744.D

Acq: 22 Aug 2019 20:09

Instrument :

MSVOA_D

ClientSampleId :

B-3

Tgt Ion: 75 Resp: 278230

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#

