

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
 Data File : VD063637.D
 Acq On : 16 Aug 2019 14:54
 Operator : JC/SY
 Sample : K43546-13RE
 Misc : 2.61g/5ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7RE

Quant Time: Aug 17 06:01:23 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	674807	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	895052	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	507683	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	118879	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	435833	60.42	ug/l	-0.02
Spiked Amount			Recovery	=	120.84%	
35) Dibromofluoromethane	6.92	113	462725	61.38	ug/l	-0.01
Spiked Amount			Recovery	=	122.76%	
50) Toluene-d8	10.41	98	771006	46.52	ug/l	-0.01
Spiked Amount			Recovery	=	93.04%	
62) 4-Bromofluorobenzene	13.55	95	162580	21.64	ug/l	-0.01
Spiked Amount			Recovery	=	43.28%	

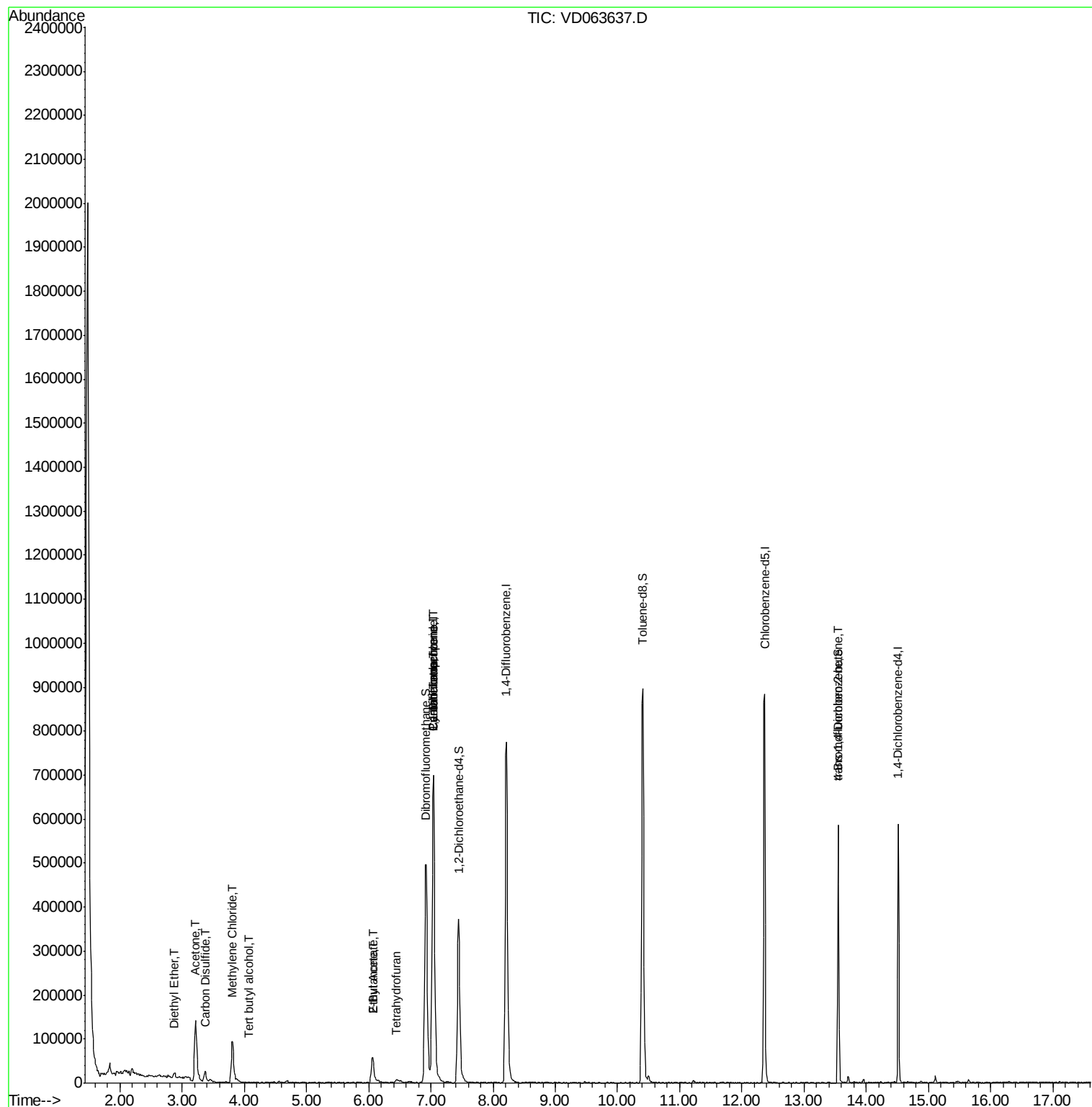
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.87	74	3862	2.202	ug/l	74
11) Tert butyl alcohol	4.06	59	710	2.261	ug/l #	71
16) Acetone	3.21	43	289000	197.095	ug/l	97
17) Carbon Disulfide	3.37	76	47029	2.733	ug/l	100
20) Methylene Chloride	3.81	84	59712	9.418	ug/l	95
25) 2-Butanone	6.06	43	125798	86.867	ug/l	98
29) Tetrahydrofuran	6.45	42	5730	8.491	ug/l #	85
31) Cyclohexane	7.04	56	14113	2.167	ug/l #	7
36) 1,1-Dichloropropene	7.03	75	53583	6.772	ug/l #	48
37) Ethyl Acetate	6.06	43	125621	37.888	ug/l #	73
38) Carbon Tetrachloride	7.04	117	64137	5.378	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	73619	200.762	ug/l #	1

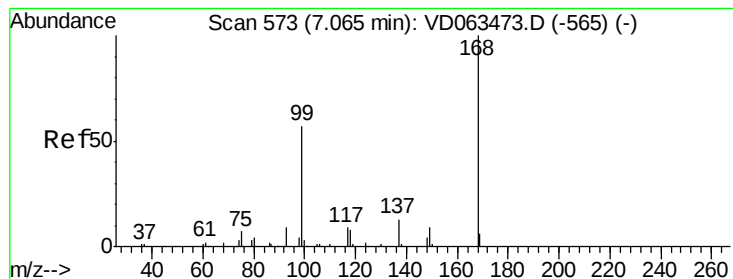
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD063637.D

Acq: 16 Aug 2019 14:54

Instrument :

MSVOA_D

ClientSampleId :

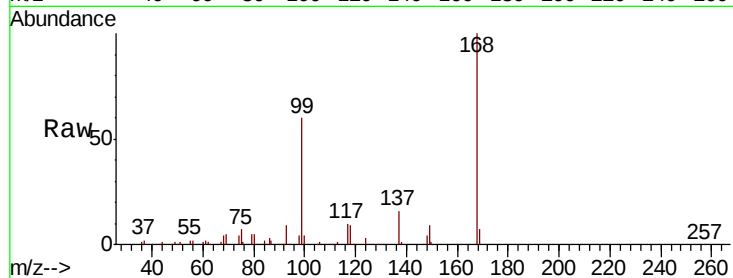
TP-7RE

Tgt Ion:168 Resp: 674807

Ion Ratio Lower Upper

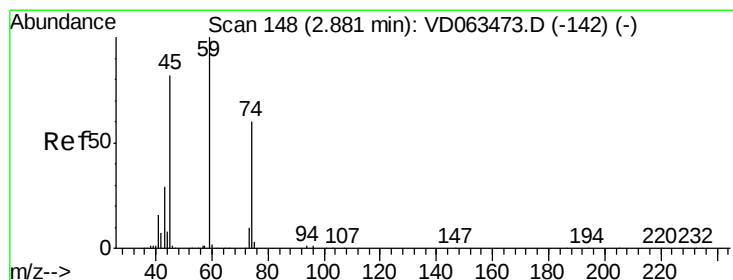
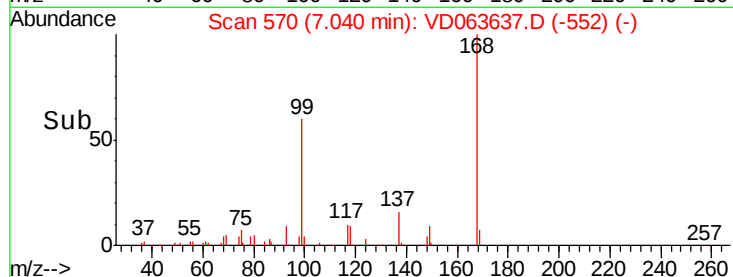
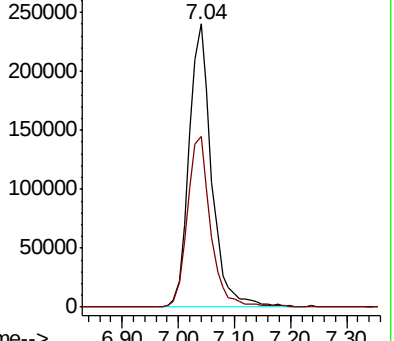
168 100

99 60.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 2.202 ug/l

RT: 2.87 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD063637.D

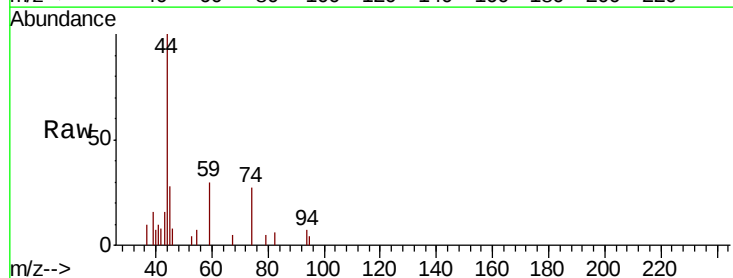
Acq: 16 Aug 2019 14:54

Tgt Ion: 74 Resp: 3862

Ion Ratio Lower Upper

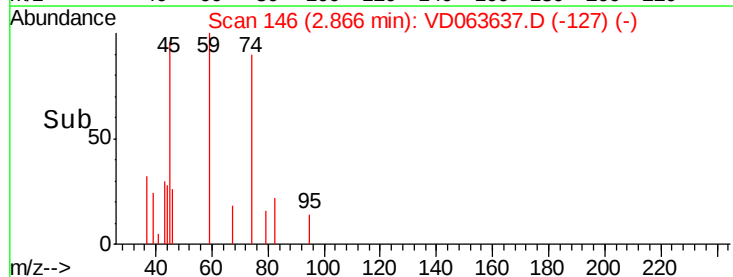
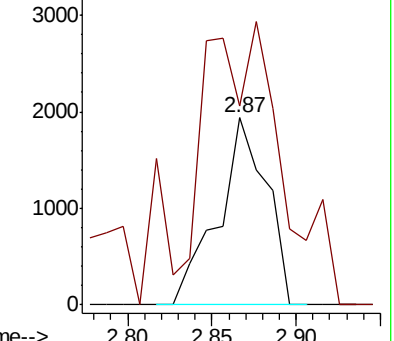
74 100

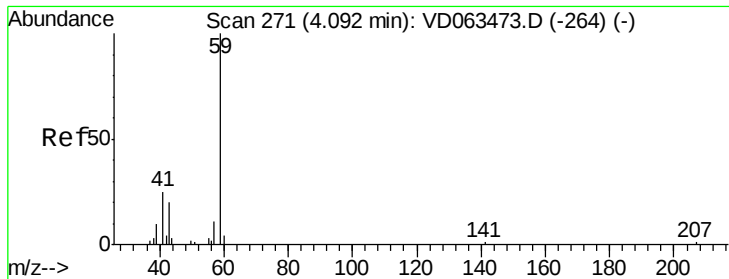
45 106.0 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



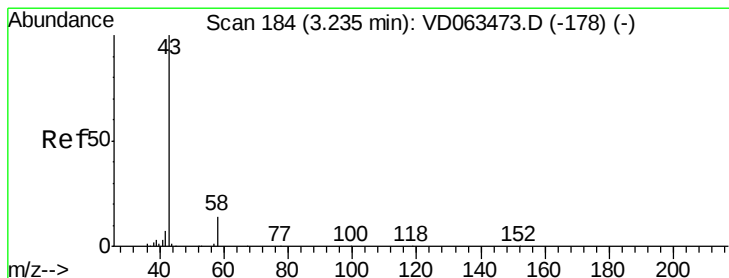
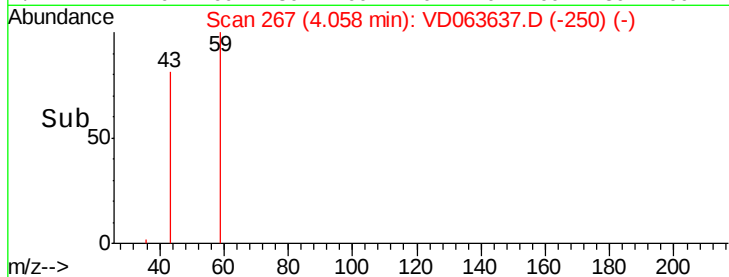
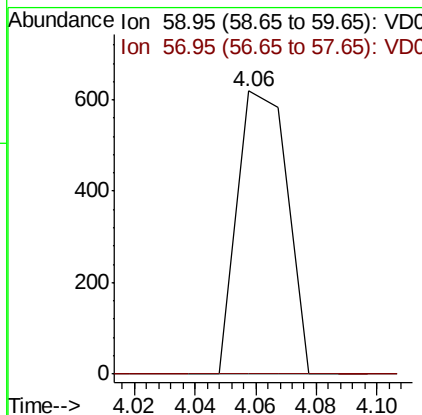
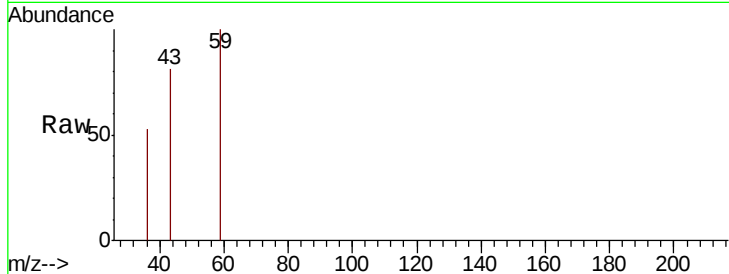


#11

Tert butyl alcohol
 Concen: 2.261 ug/l
 RT: 4.06 min Scan# 267
 Delta R.T. -0.03 min
 Lab File: VD063637.D
 Acq: 16 Aug 2019 14:54

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 TP-7RE

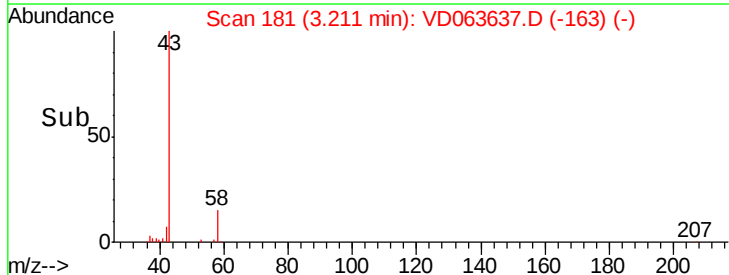
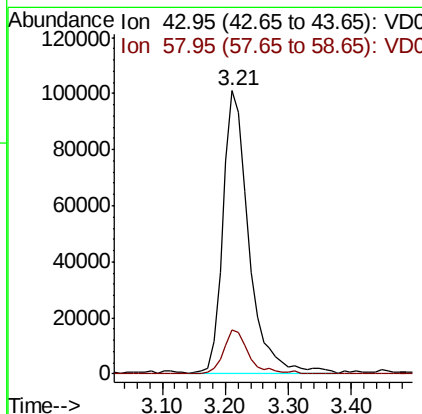
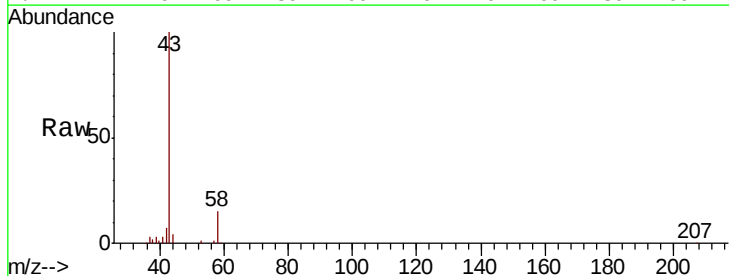
Tgt Ion: 59 Resp: 710
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

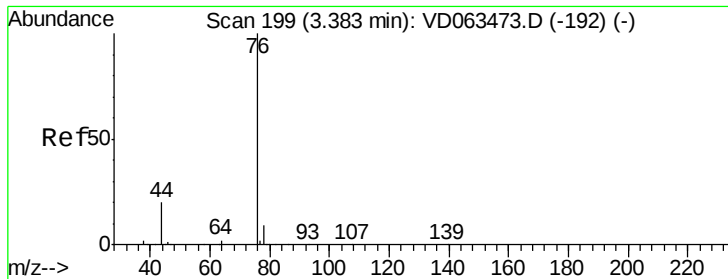


#16

Acetone
 Concen: 197.095 ug/l
 RT: 3.21 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VD063637.D
 Acq: 16 Aug 2019 14:54

Tgt Ion: 43 Resp: 289000
 Ion Ratio Lower Upper
 43 100
 58 15.5 11.4 17.2





#17

Carbon Disulfide

Concen: 2.733 ug/l

RT: 3.37 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD063637.D

Acq: 16 Aug 2019 14:54

Instrument :

MSVOA_D

ClientSampleId :

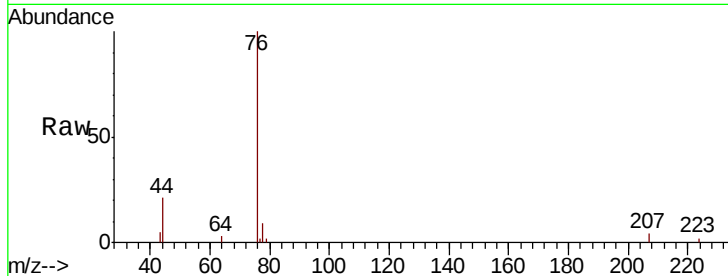
TP-7RE

Tgt Ion: 76 Resp: 47029

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

20000

15000

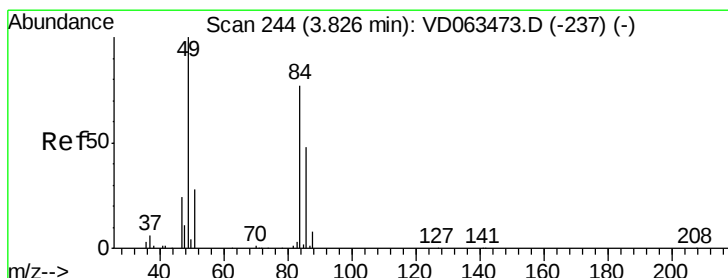
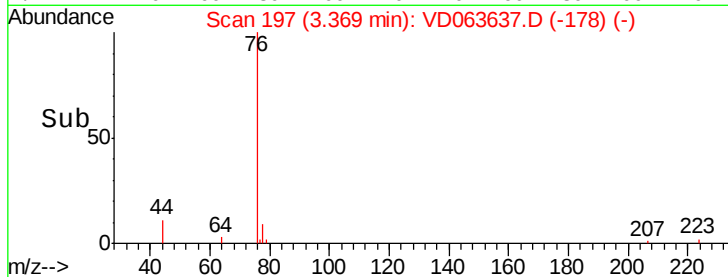
10000

5000

0

3.30 3.40 3.50

Time-->



#20

Methylene Chloride

Concen: 9.418 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD063637.D

Acq: 16 Aug 2019 14:54

Tgt Ion: 84 Resp: 59712

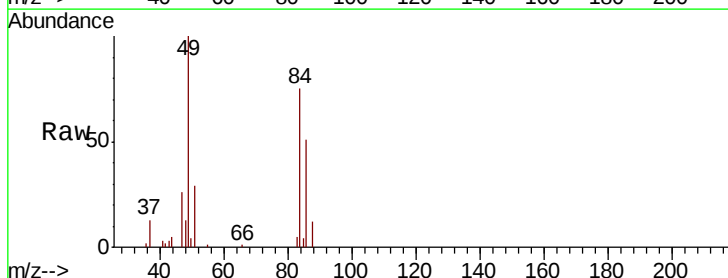
Ion Ratio Lower Upper

84 100

49 133.7 103.4 155.2

51 38.9 28.5 42.7

86 68.6 49.4 74.2



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

50000

40000

30000

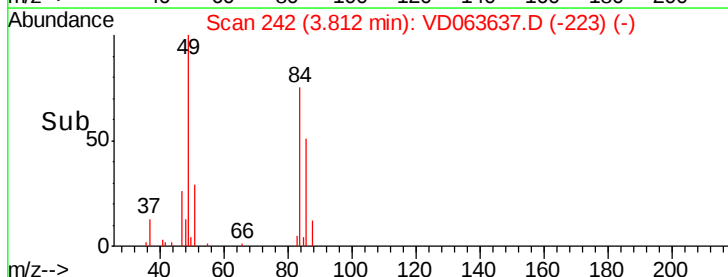
20000

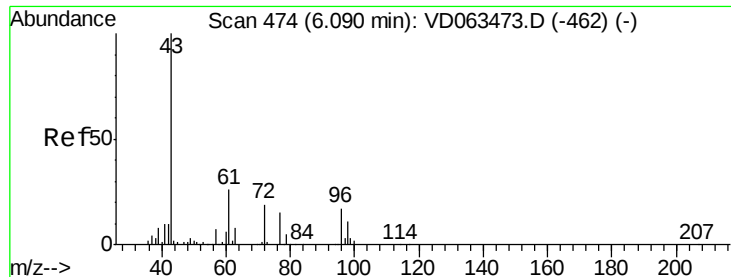
10000

0

3.70 3.80 3.90 4.00

Time-->

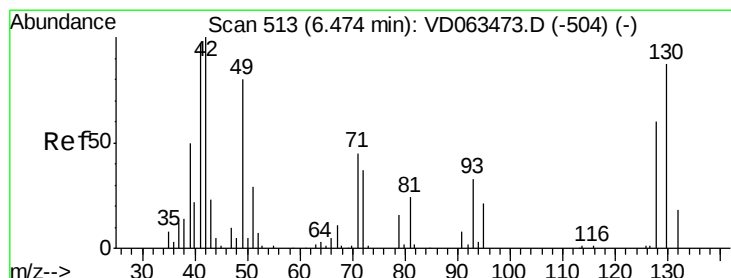
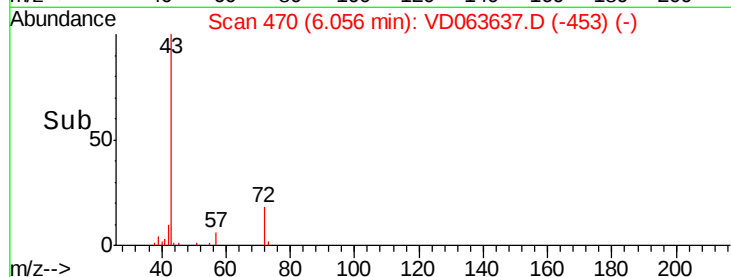
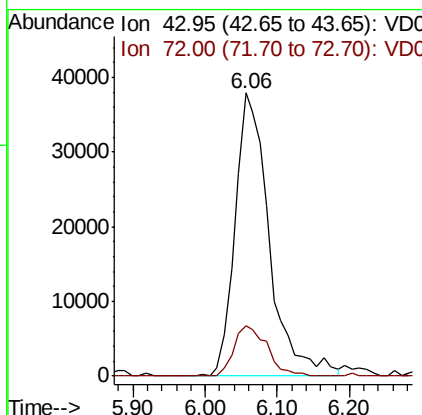
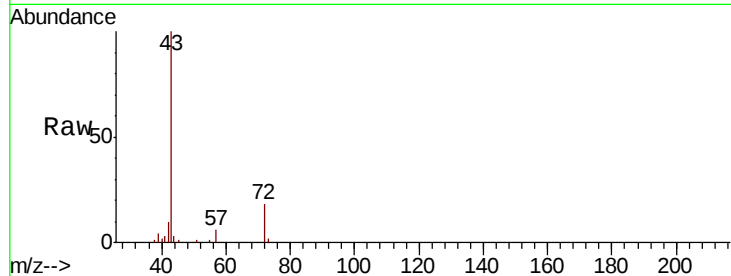




#25
 2-Butanone
 Concen: 86.867 ug/l
 RT: 6.06 min Scan# 470
 Delta R.T. -0.03 min
 Lab File: VD063637.D
 Acq: 16 Aug 2019 14:54

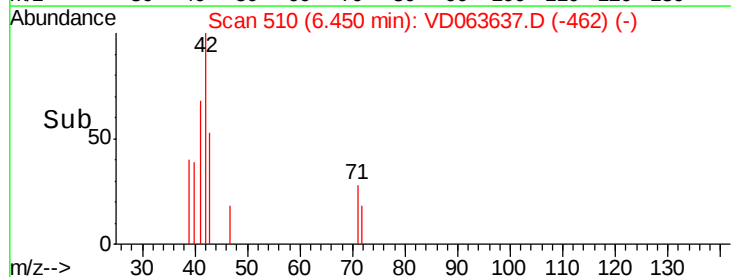
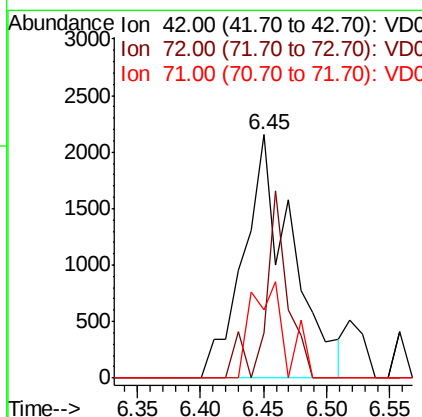
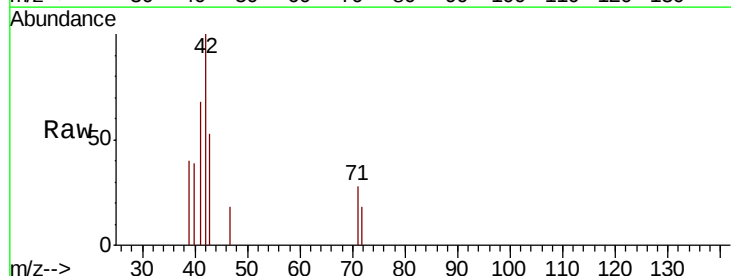
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7RE

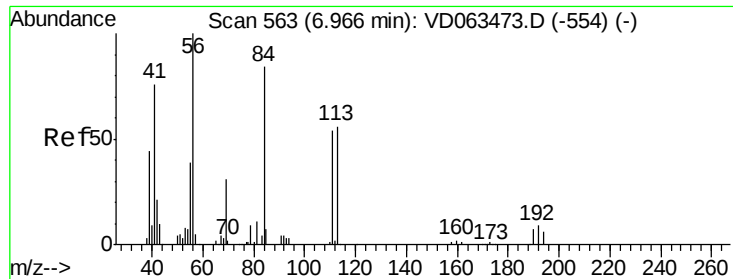
Tgt Ion: 43 Resp: 125798
 Ion Ratio Lower Upper
 43 100
 72 17.9 15.1 22.7



#29
 Tetrahydrofuran
 Concen: 8.491 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.02 min
 Lab File: VD063637.D
 Acq: 16 Aug 2019 14:54

Tgt Ion: 42 Resp: 5730
 Ion Ratio Lower Upper
 42 100
 72 35.6 31.5 47.3
 71 28.2 33.8 50.8#

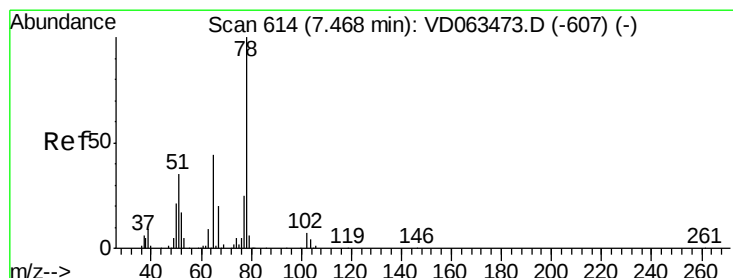
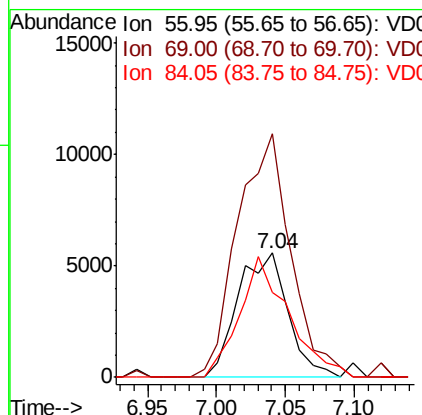
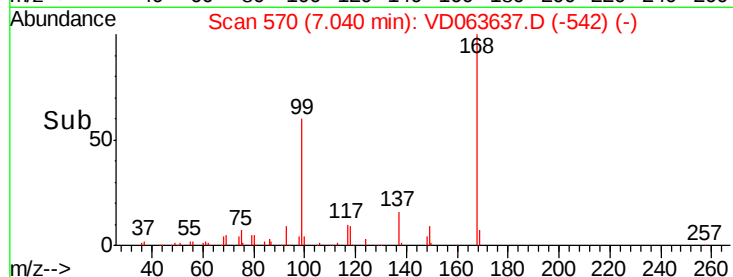
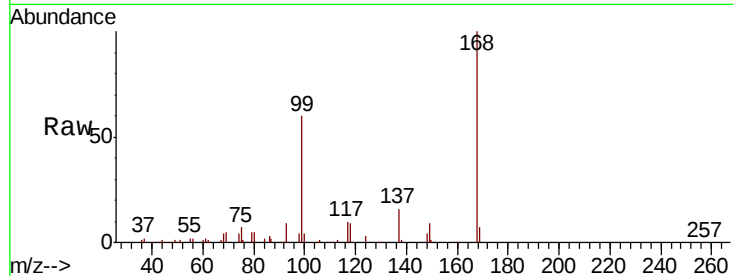




#31
Cyclohexane
Concen: 2.167 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063637.D
Acq: 16 Aug 2019 14:54

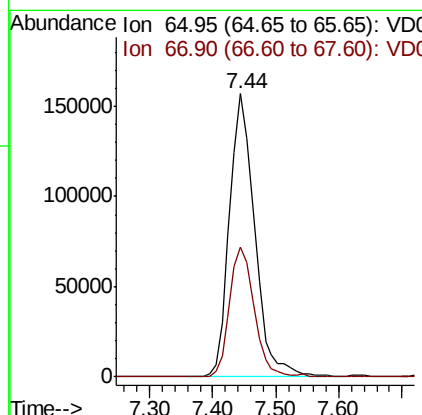
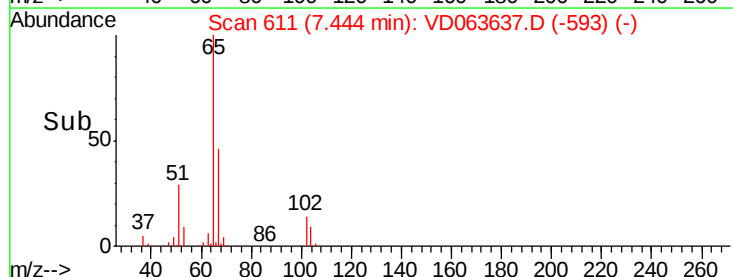
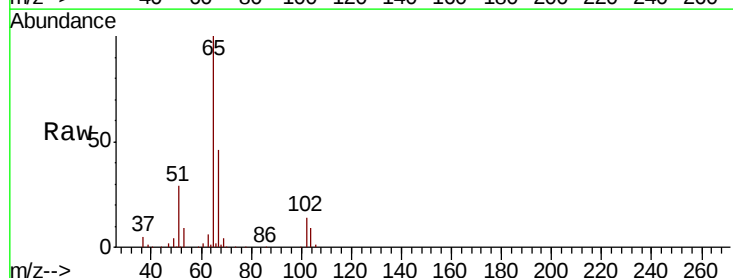
Instrument :
MSVOA_D
ClientSampleId :
TP-7RE

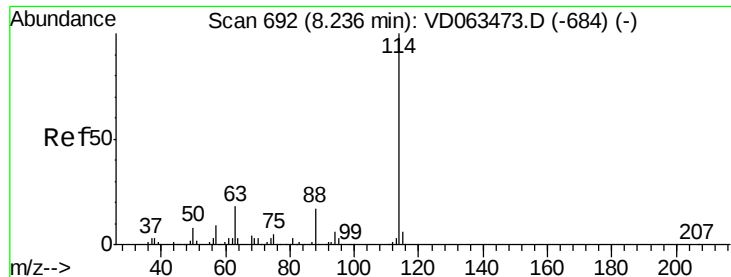
Tgt Ion: 56 Resp: 14113
Ion Ratio Lower Upper
56 100
69 195.9 25.0 37.6#
84 68.7 69.7 104.5#



#33
1,2-Dichloroethane-d4
Concen: 60.422 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.02 min
Lab File: VD063637.D
Acq: 16 Aug 2019 14:54

Tgt Ion: 65 Resp: 435833
Ion Ratio Lower Upper
65 100
67 45.9 0.0 89.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD063637.D

Acq: 16 Aug 2019 14:54

Instrument :

MSVOA_D

ClientSampleId :

TP-7RE

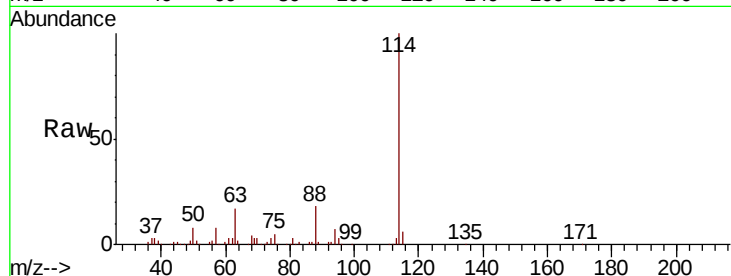
Tgt Ion:114 Resp: 895052

Ion Ratio Lower Upper

114 100

63 16.6 0.0 36.2

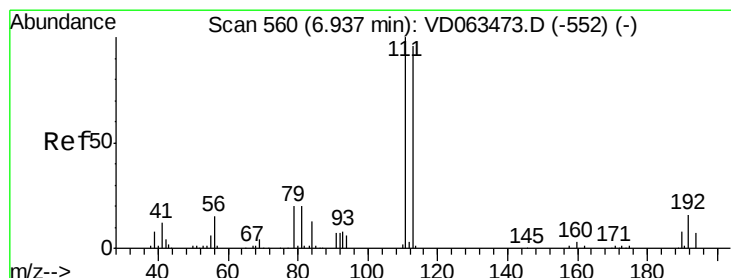
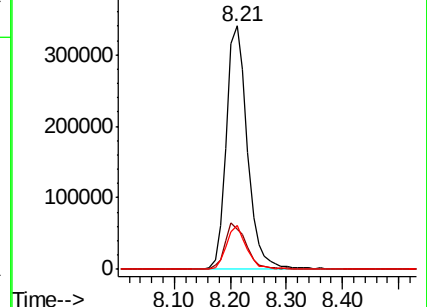
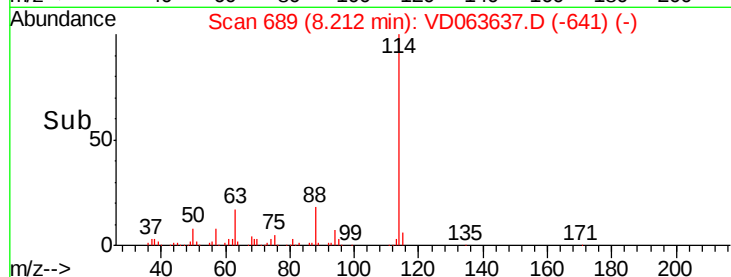
88 18.2 0.0 35.0



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: 61.384 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD063637.D

Acq: 16 Aug 2019 14:54

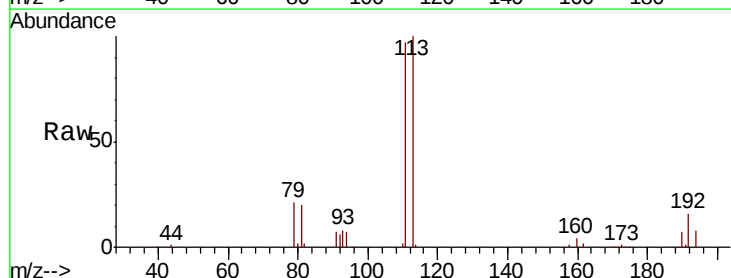
Tgt Ion:113 Resp: 462725

Ion Ratio Lower Upper

113 100

111 97.3 83.1 124.7

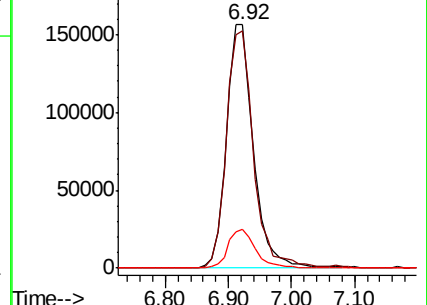
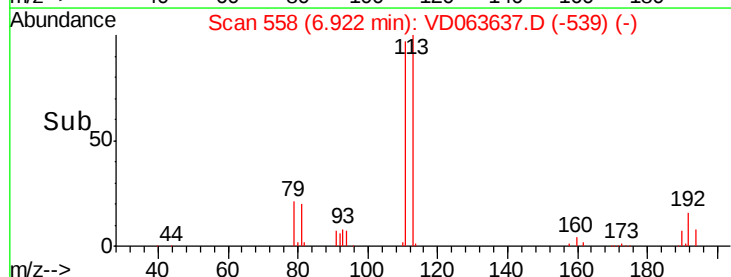
192 15.9 13.1 19.7

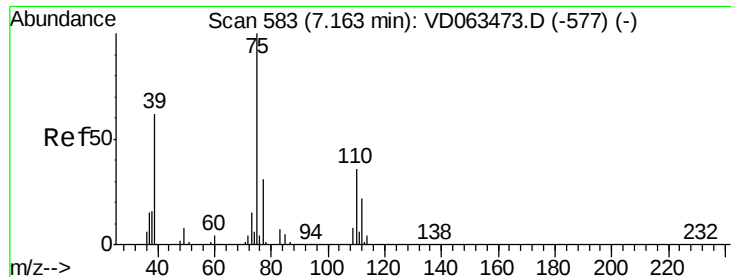


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

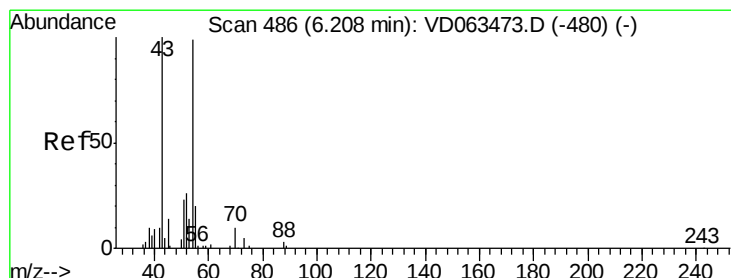
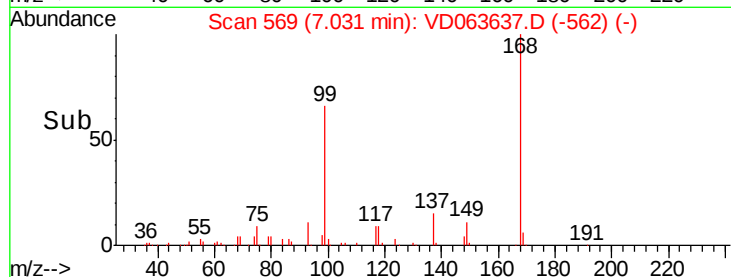
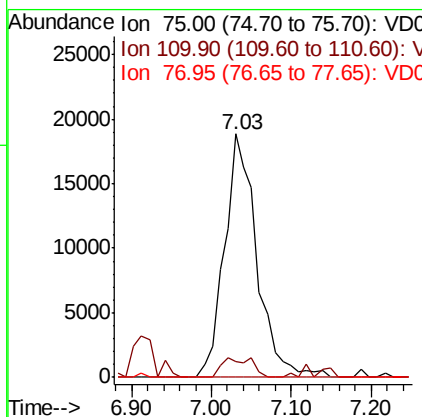
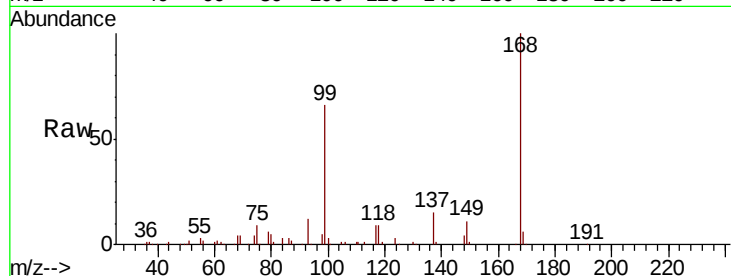




#36
 1,1-Dichloropropene
 Concen: 6.772 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.13 min
 Lab File: VD063637.D
 Acq: 16 Aug 2019 14:54

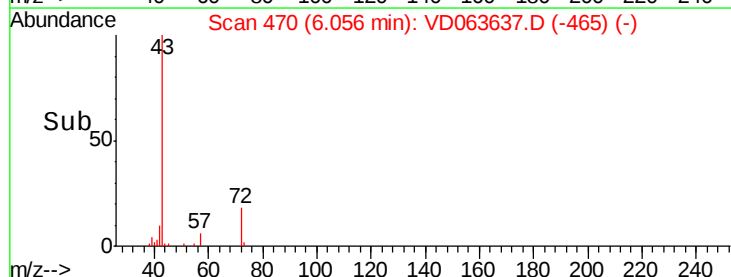
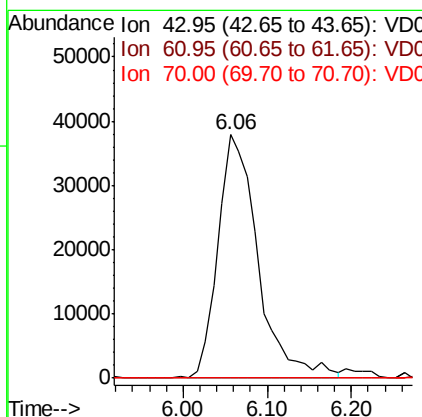
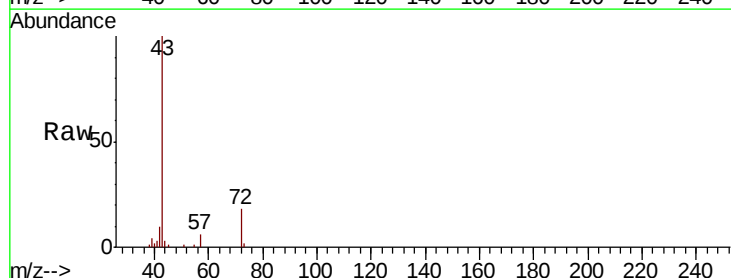
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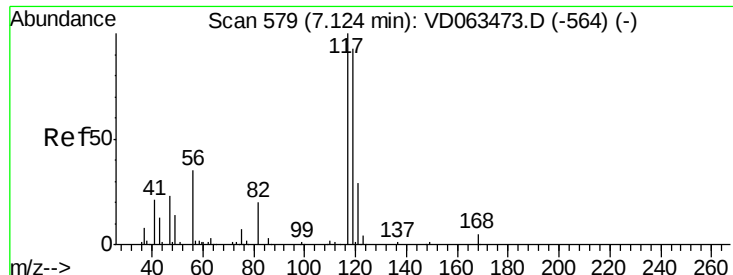
Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.5	17.6	52.8#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 37.888 ug/l
 RT: 6.06 min Scan# 470
 Delta R.T. -0.15 min
 Lab File: VD063637.D
 Acq: 16 Aug 2019 14:54

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.0	13.6#
70	0.0	6.9	10.3#





#38

Carbon Tetrachloride

Concen: 5.378 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD063637.D

Acq: 16 Aug 2019 14:54

Instrument :

MSVOA_D

ClientSampleId :

TP-7RE

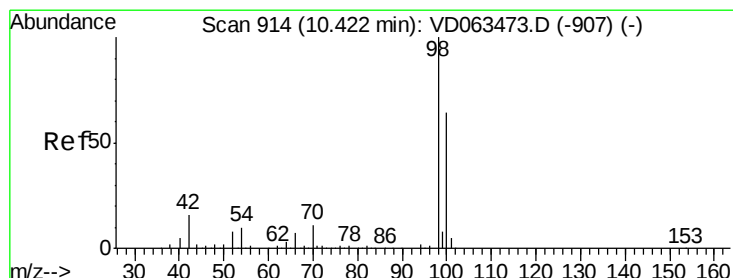
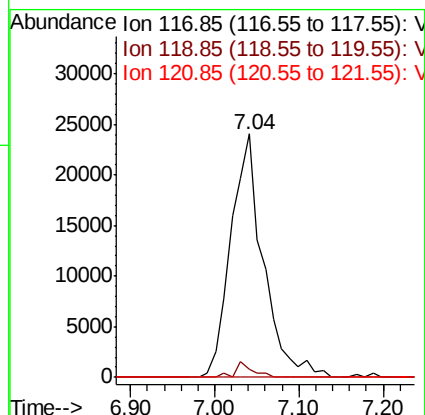
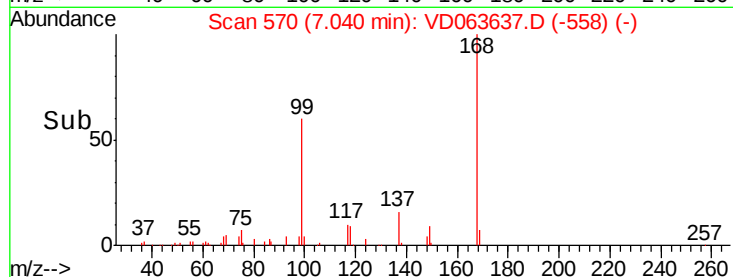
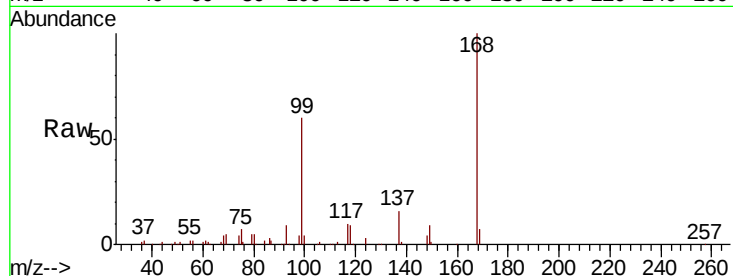
Tgt Ion:117 Resp: 64137

Ion Ratio Lower Upper

117 100

119 3.1 74.2 111.2#

121 0.0 23.1 34.7#



#50

Toluene-d8

Concen: 46.522 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD063637.D

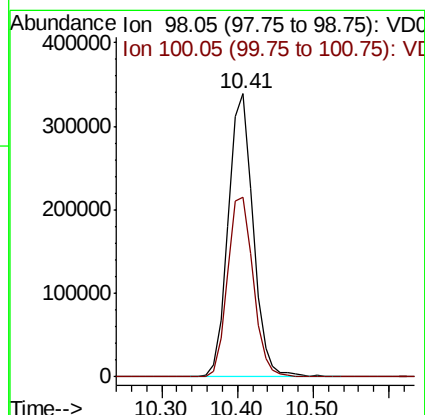
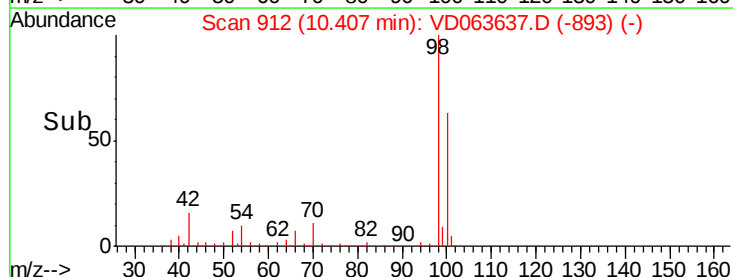
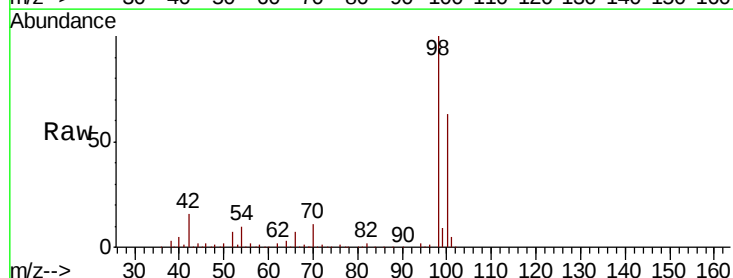
Acq: 16 Aug 2019 14:54

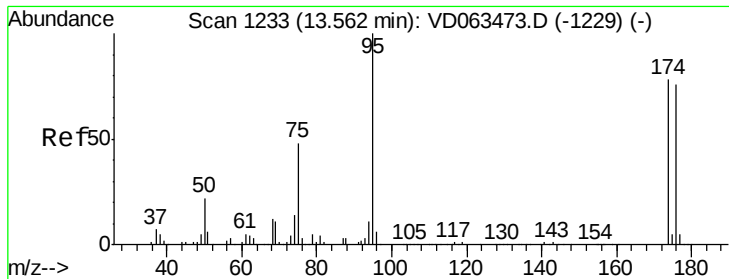
Tgt Ion: 98 Resp: 771006

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 21.644 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063637.D

Acq: 16 Aug 2019 14:54

Instrument :

MSVOA_D

ClientSampleId :

TP-7RE

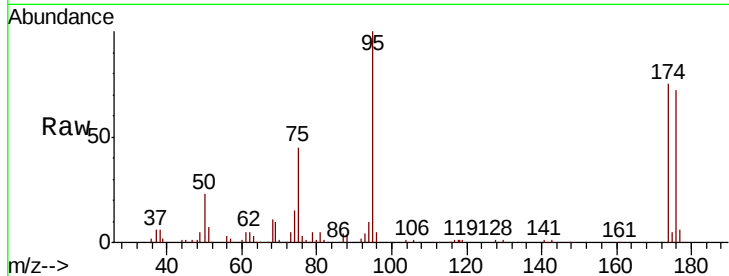
Tgt Ion: 95 Resp: 162580

Ion Ratio Lower Upper

95 100

174 75.3 0.0 155.4

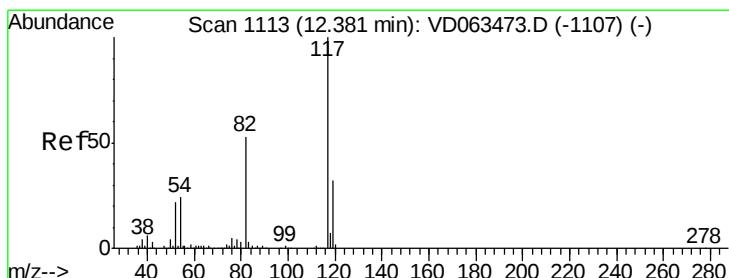
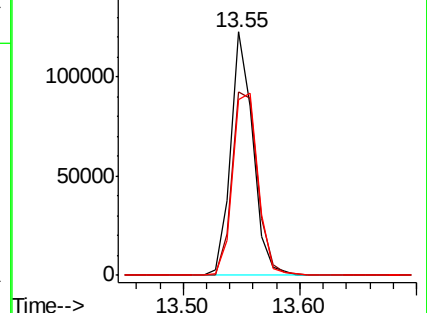
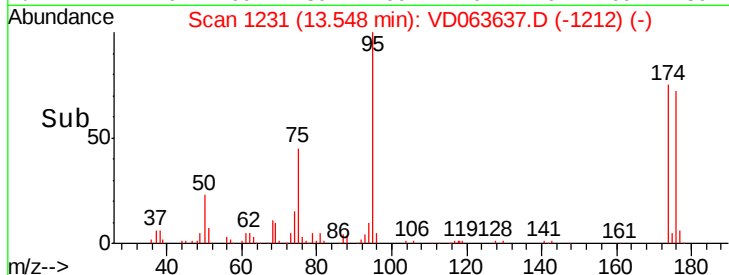
176 72.2 0.0 152.4



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# 1111

Delta R.T. -0.01 min

Lab File: VD063637.D

Acq: 16 Aug 2019 14:54

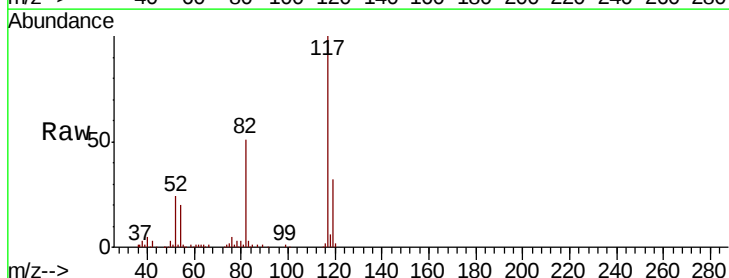
Tgt Ion: 117 Resp: 507683

Ion Ratio Lower Upper

117 100

82 50.8 42.0 63.0

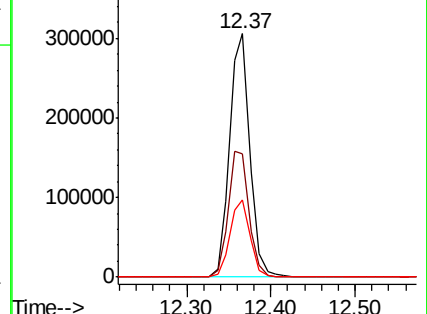
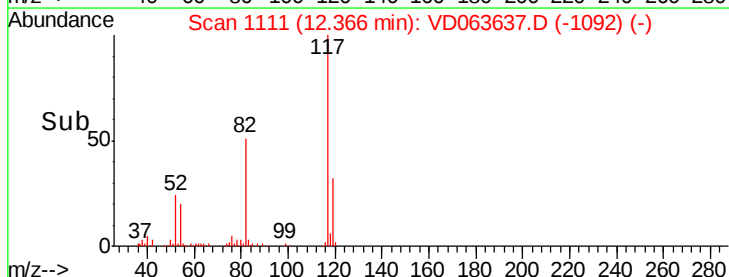
119 31.7 25.4 38.0

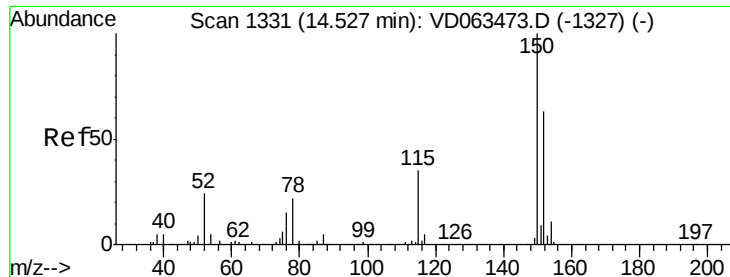


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



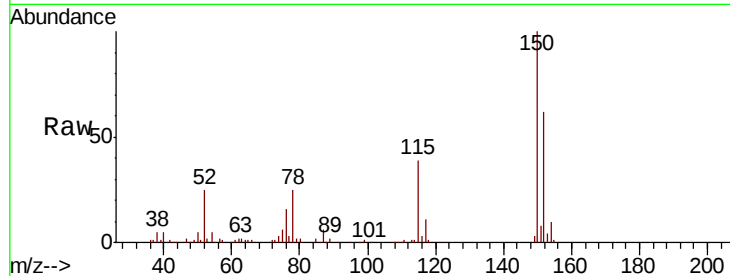


#72

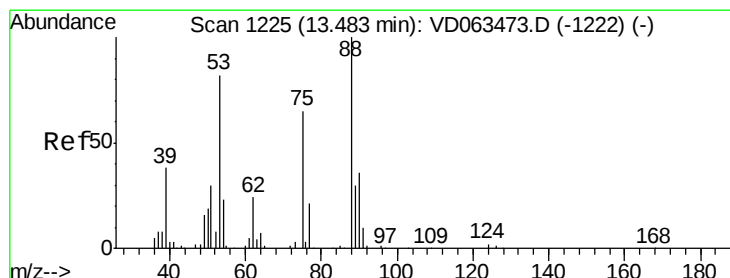
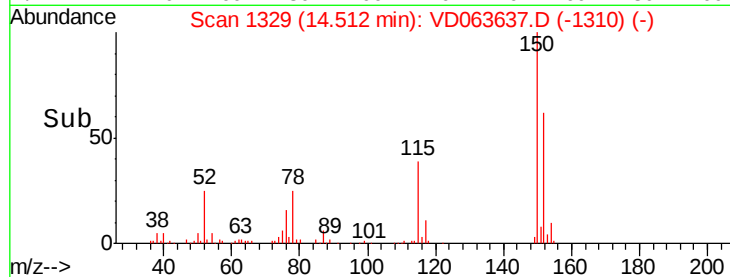
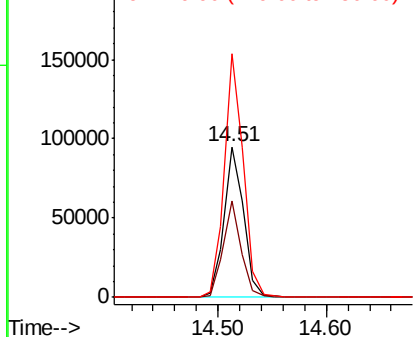
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063637.D
Acq: 16 Aug 2019 14:54

Instrument :
MSVOA_D
ClientSampleId :
TP-7RE

Tgt Ion:152 Resp: 118879
Ion Ratio Lower Upper
152 100
115 63.8 30.9 92.7
150 162.0 0.0 318.6



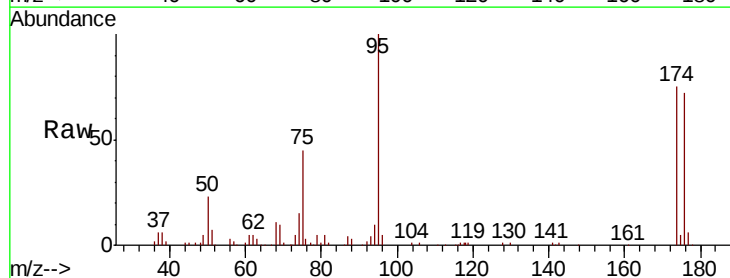
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 200.762 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. 0.06 min
Lab File: VD063637.D
Acq: 16 Aug 2019 14:54

Tgt Ion: 75 Resp: 73619
Ion Ratio Lower Upper
75 100
53 0.0 101.0 151.4#
89 0.0 37.0 55.6#



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

