

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
 Data File : VD063724.D
 Acq On : 21 Aug 2019 20:23
 Operator : JC/SY
 Sample : K4388-12RE
 Misc : 5.97g/5ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T4-D-(2)

Quant Time: Aug 22 01:29:00 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	988825	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1310398	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	997630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	376273	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	607745	57.50	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	115.00%	
35) Dibromofluoromethane	6.92	113	690579	62.57	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	125.14%	
50) Toluene-d8	10.41	98	1429723	58.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.84%	
62) 4-Bromofluorobenzene	13.55	95	487921	44.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.74%	

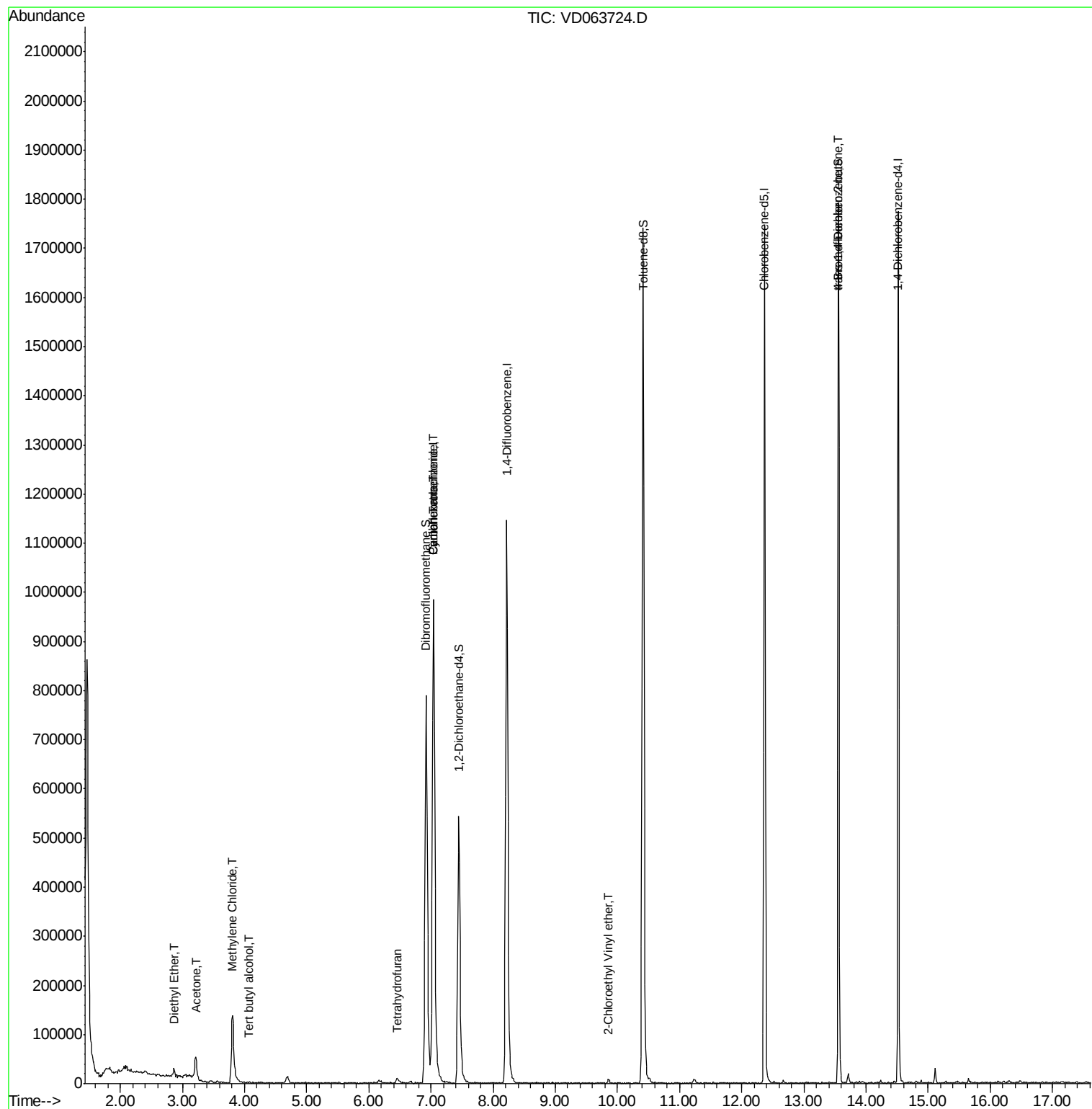
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.86	74	5477	2.131	ug/l	82
11) Tert butyl alcohol	4.07	59	2165	4.705	ug/l #	71
16) Acetone	3.22	43	92199	42.911	ug/l	99
20) Methylene Chloride	3.81	84	89692	9.654	ug/l	91
29) Tetrahydrofuran	6.46	42	8673	8.771	ug/l #	92
31) Cyclohexane	7.04	56	21324	2.234	ug/l #	19
38) Carbon Tetrachloride	7.04	117	92999	5.327	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.86	63	3794	1.194	ug/l #	80
81) trans-1,4-Dichloro-2-buten	13.55	75	218666	188.398	ug/l #	1

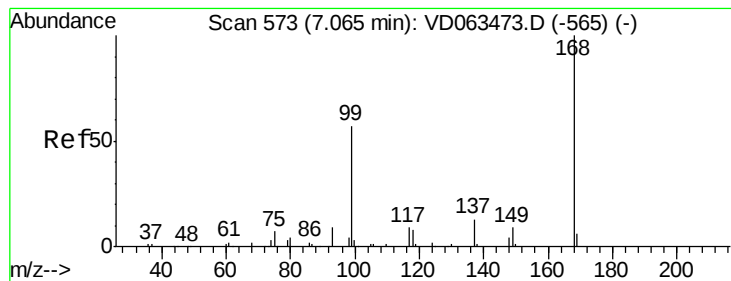
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
Data File : VD063724.D
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ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
T4-D-(2)

Quant Time: Aug 22 01:29:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063724.D

Acq: 21 Aug 2019 20:23

Instrument :

MSVOA_D

ClientSampleId :

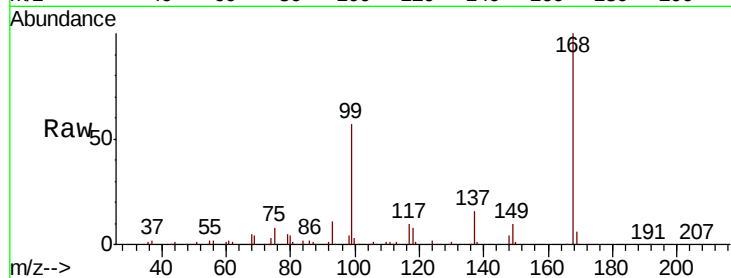
T4-D-(2)

Tgt Ion:168 Resp: 988825

Ion Ratio Lower Upper

168 100

99 57.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

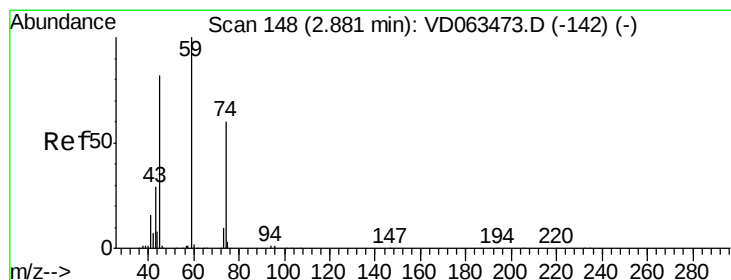
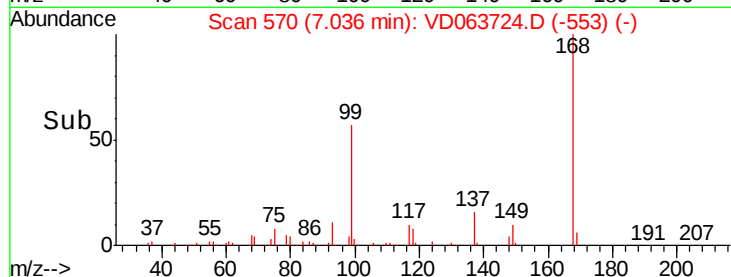
200000

100000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#8

Diethyl Ether

Concen: 2.131 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD063724.D

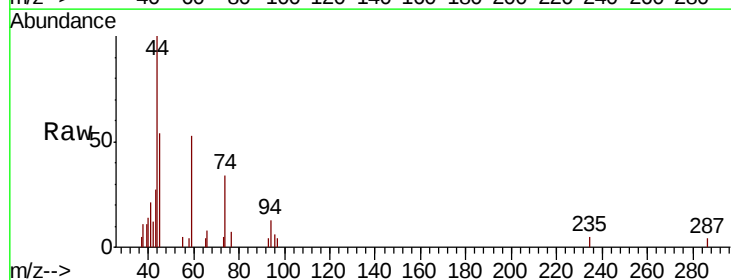
Acq: 21 Aug 2019 20:23

Tgt Ion: 74 Resp: 5477

Ion Ratio Lower Upper

74 100

45 158.1 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.86

4000

3000

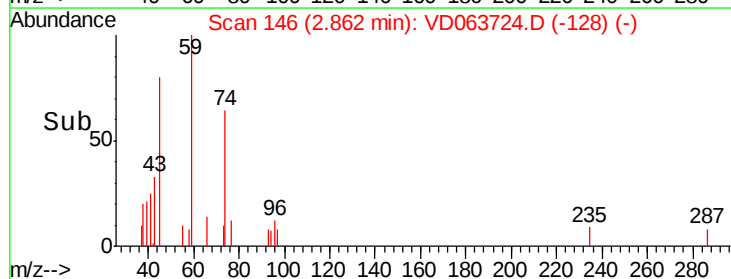
2000

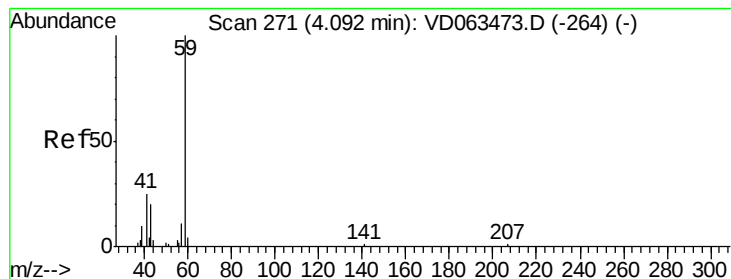
1000

0

Time-->

2.80 2.85 2.90



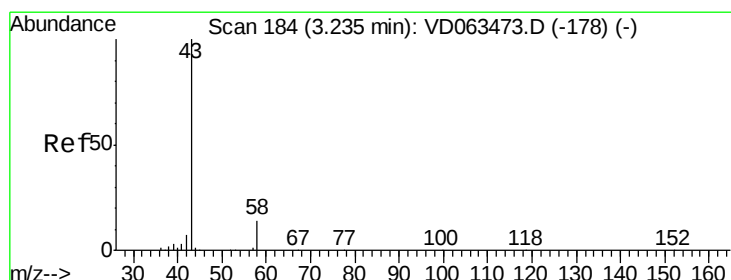
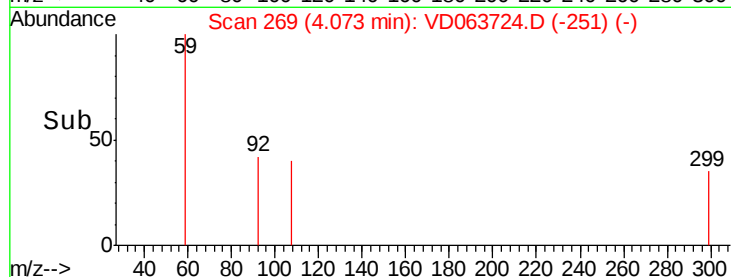
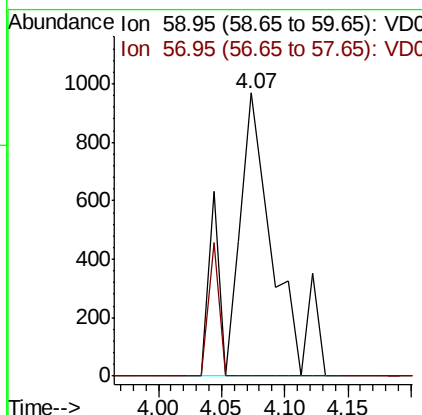
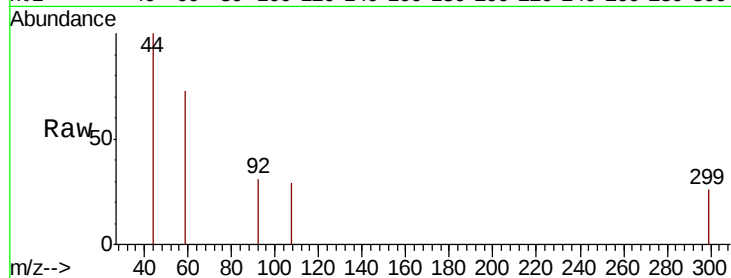


#11

Tert butyl alcohol
 Concen: 4.705 ug/l
 RT: 4.07 min Scan# 269
 Delta R.T. -0.02 min
 Lab File: VD063724.D
 Acq: 21 Aug 2019 20:23

Instrument :
 MSVOA_D
 ClientSampled :
 T4-D-(2)

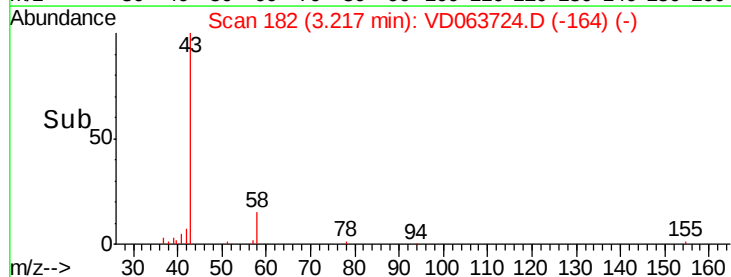
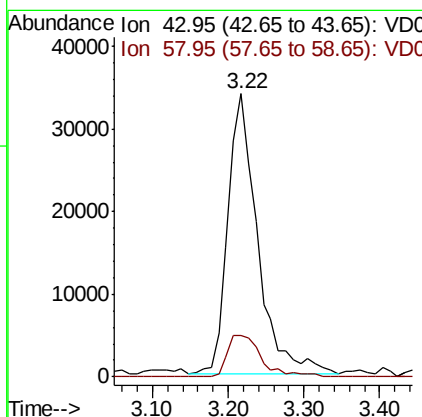
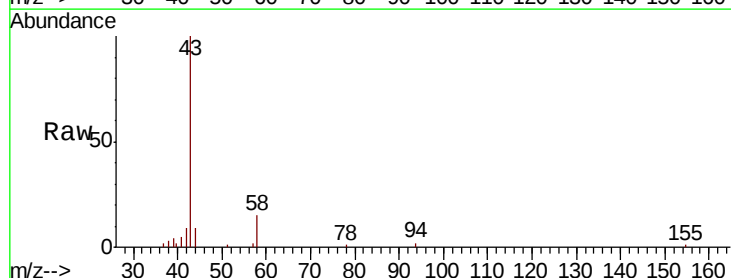
Tgt Ion: 59 Resp: 2165
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

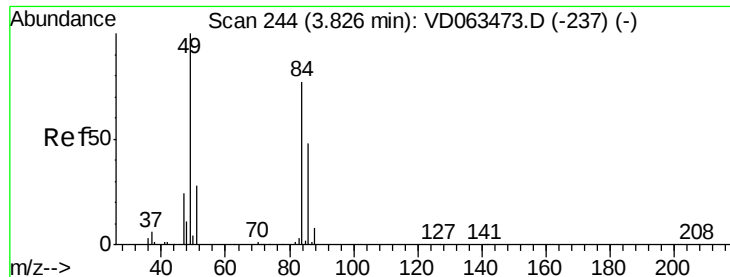


#16

Acetone
 Concen: 42.911 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. -0.02 min
 Lab File: VD063724.D
 Acq: 21 Aug 2019 20:23

Tgt Ion: 43 Resp: 92199
 Ion Ratio Lower Upper
 43 100
 58 14.9 11.4 17.2





#20

Methylene Chloride

Concen: 9.654 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD063724.D

Acq: 21 Aug 2019 20:23

Instrument :

MSVOA_D

ClientSampleId :

T4-D-(2)

Tgt Ion: 84 Resp: 89692

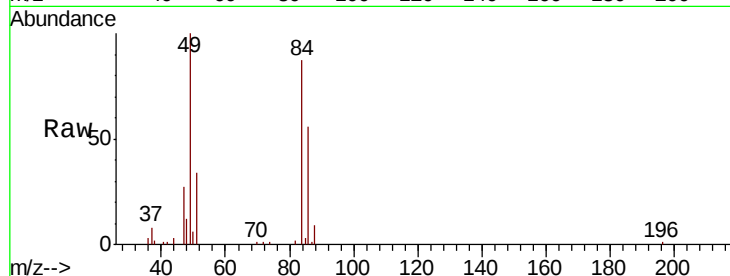
Ion Ratio Lower Upper

84 100

49 115.2 103.4 155.2

51 38.9 28.5 42.7

86 64.6 49.4 74.2

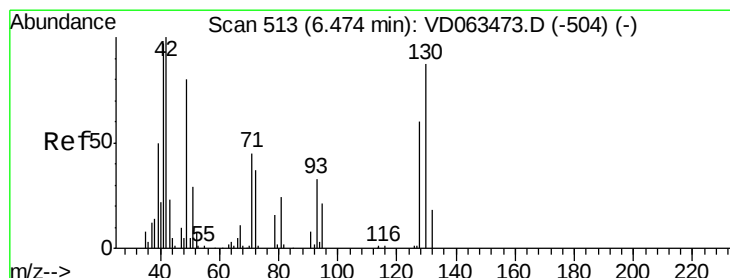
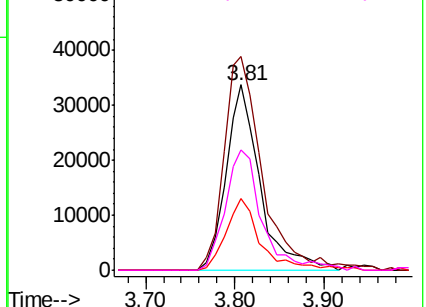
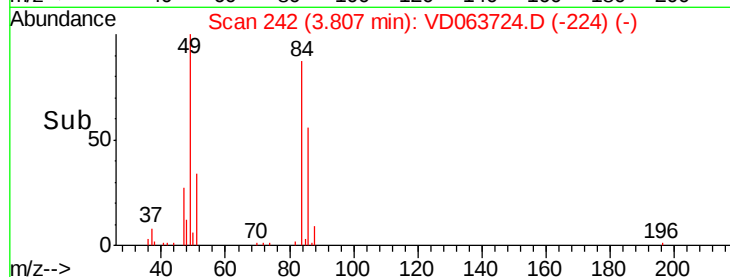


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#29

Tetrahydrofuran

Concen: 8.771 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD063724.D

Acq: 21 Aug 2019 20:23

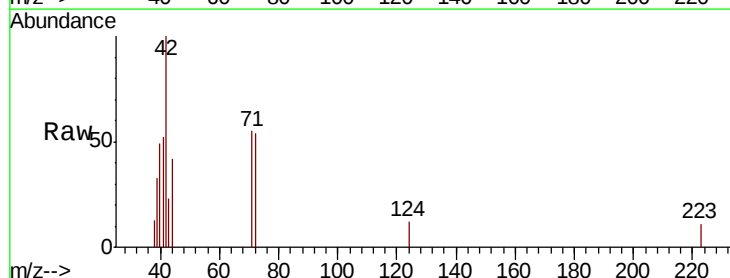
Tgt Ion: 42 Resp: 8673

Ion Ratio Lower Upper

42 100

72 48.4 31.5 47.3#

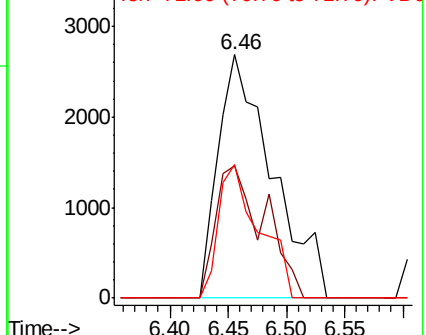
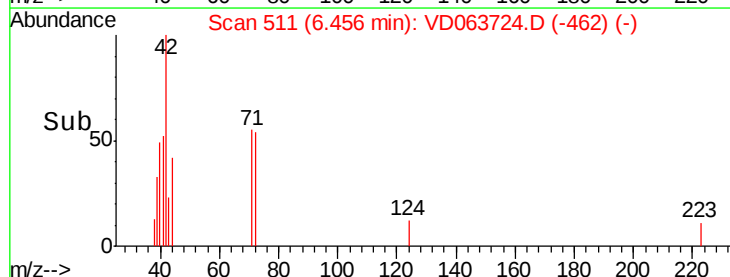
71 41.2 33.8 50.8

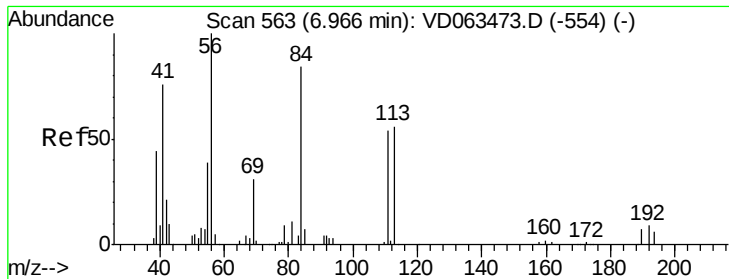


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

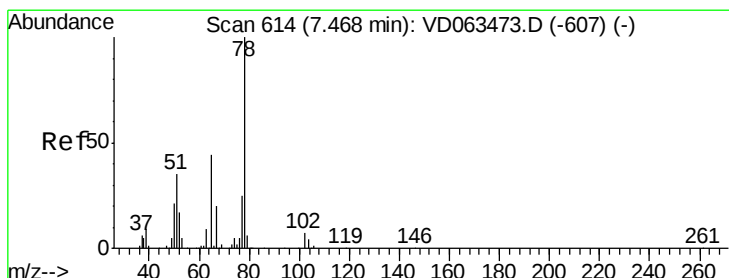
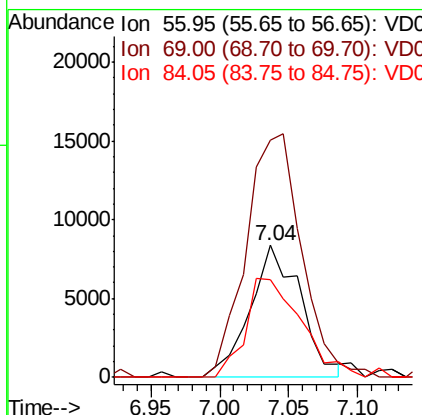
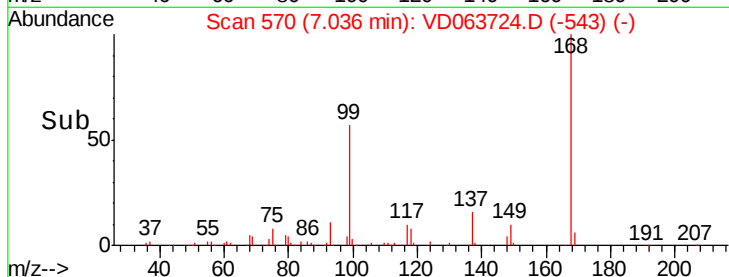
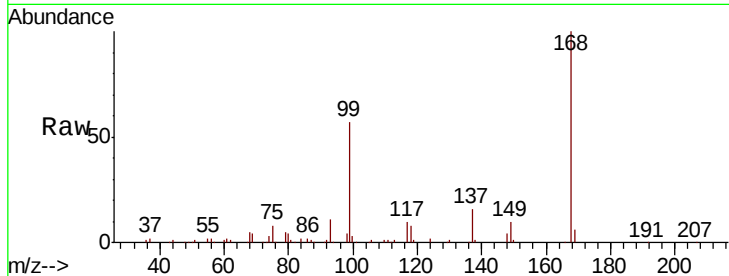




#31
Cyclohexane
Concen: 2.234 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063724.D
Acq: 21 Aug 2019 20:23

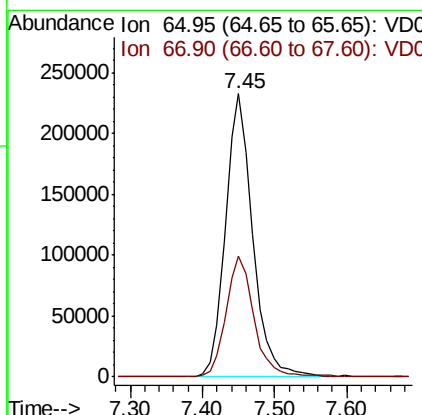
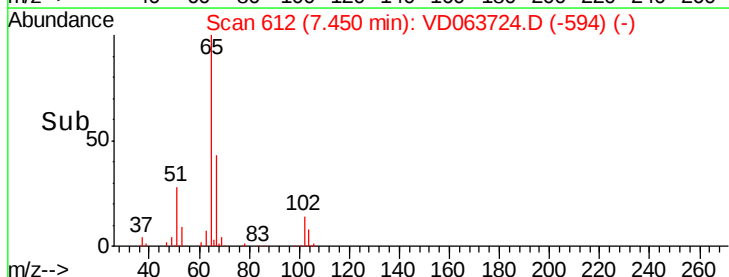
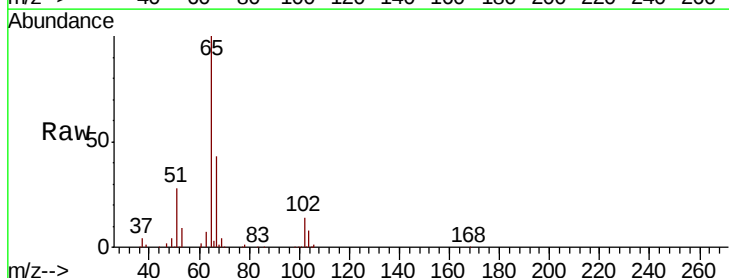
Instrument :
MSVOA_D
ClientSampleId :
T4-D-(2)

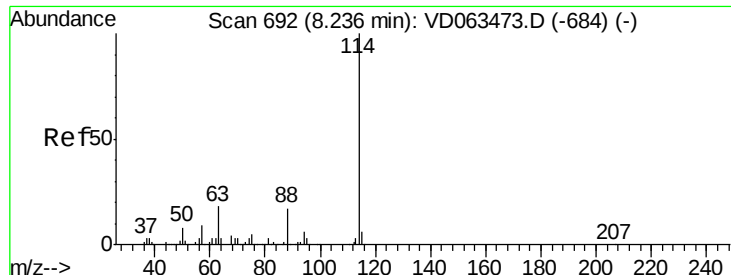
Tgt Ion: 56 Resp: 21324
Ion Ratio Lower Upper
56 100
69 179.9 25.0 37.6#
84 74.2 69.7 104.5



#33
1,2-Dichloroethane-d4
Concen: 57.498 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063724.D
Acq: 21 Aug 2019 20:23

Tgt Ion: 65 Resp: 607745
Ion Ratio Lower Upper
65 100
67 42.9 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: VD063724.D

Acq: 21 Aug 2019 20:23

Instrument :

MSVOA_D

ClientSampleId :

T4-D-(2)

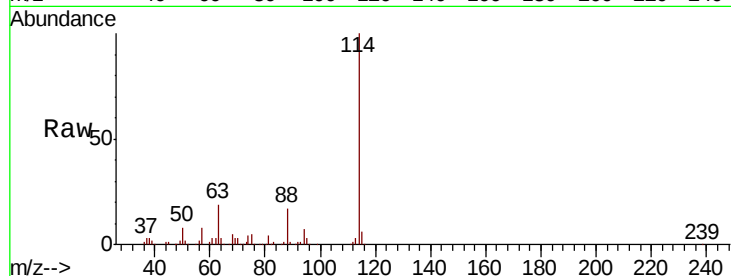
Tgt Ion:114 Resp: 1310398

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.2

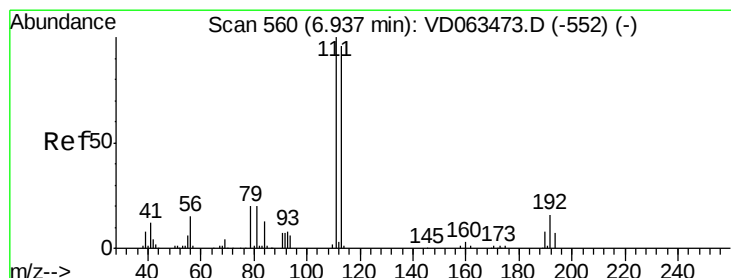
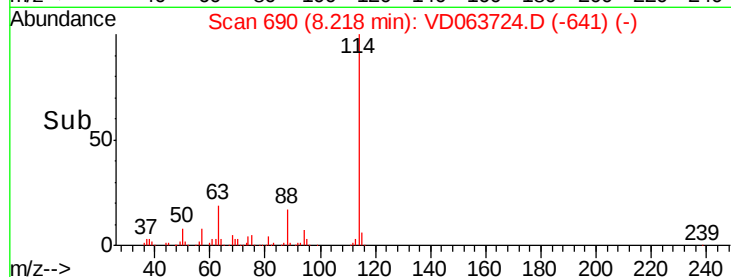
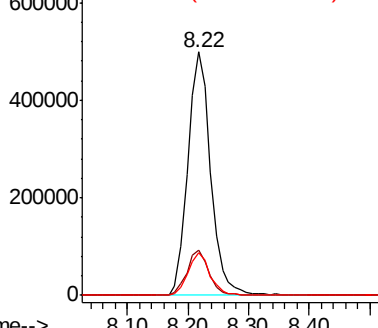
88 17.4 0.0 35.0



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: 62.574 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063724.D

Acq: 21 Aug 2019 20:23

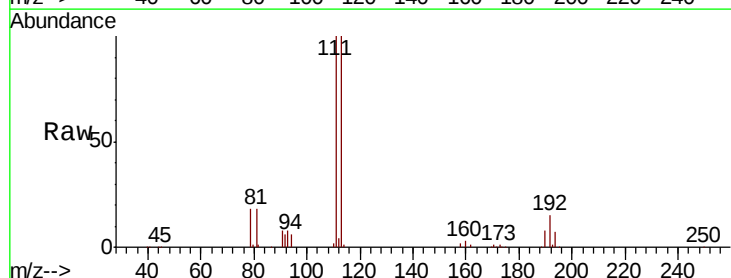
Tgt Ion:113 Resp: 690579

Ion Ratio Lower Upper

113 100

111 99.5 83.1 124.7

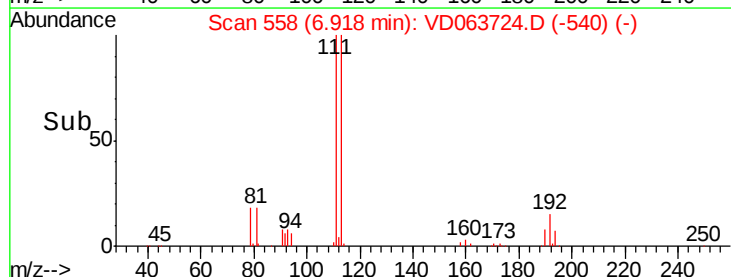
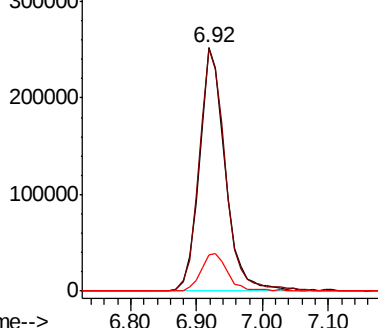
192 15.1 13.1 19.7

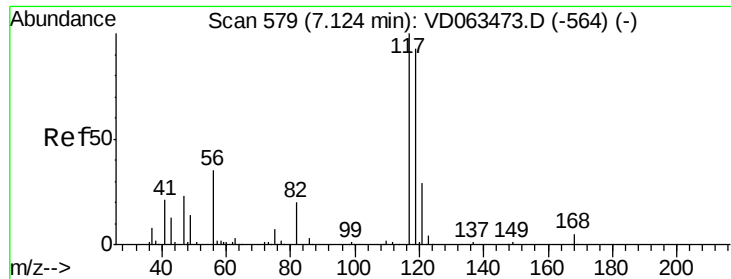


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#38

Carbon Tetrachloride

Concen: 5.327 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063724.D

Acq: 21 Aug 2019 20:23

Instrument :

MSVOA_D

ClientSampleId :

T4-D-(2)

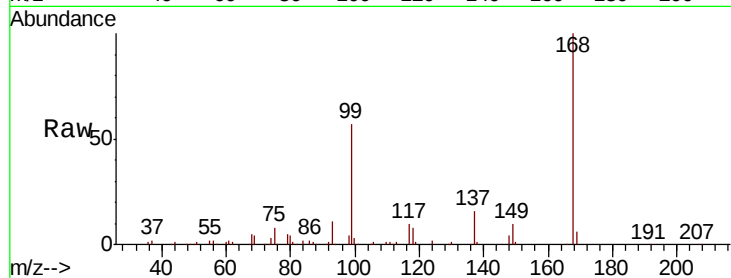
Tgt Ion:117 Resp: 92999

Ion Ratio Lower Upper

117 100

119 5.0 74.2 111.2#

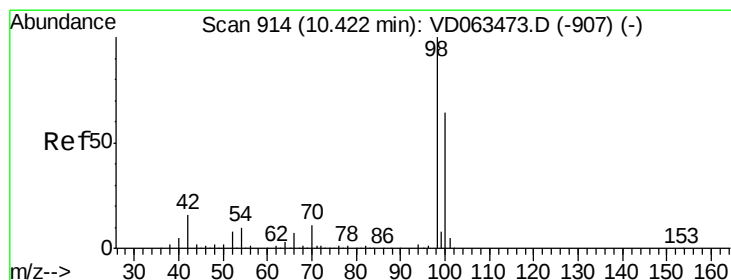
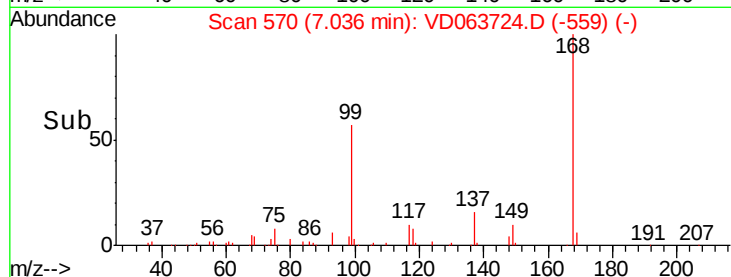
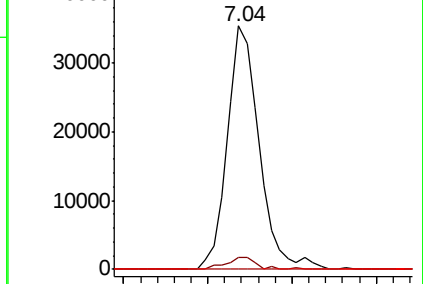
121 0.0 23.1 34.7#



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: 58.924 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063724.D

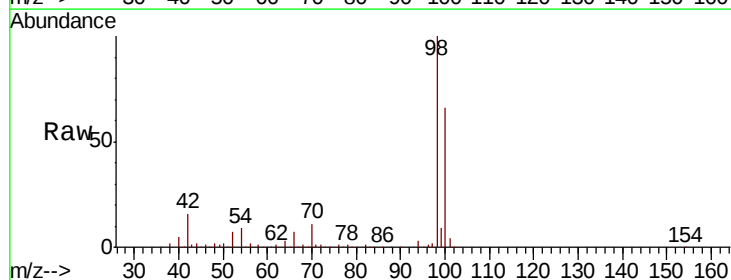
Acq: 21 Aug 2019 20:23

Tgt Ion: 98 Resp: 1429723

Ion Ratio Lower Upper

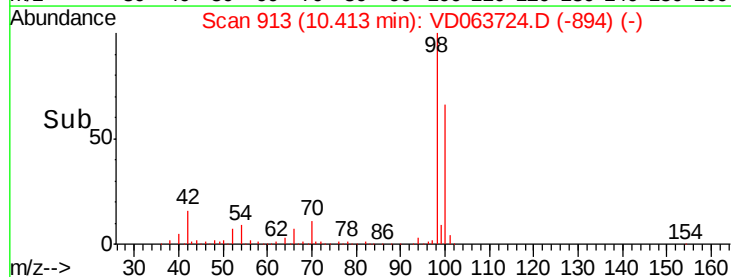
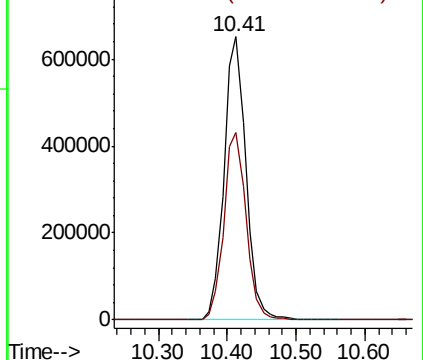
98 100

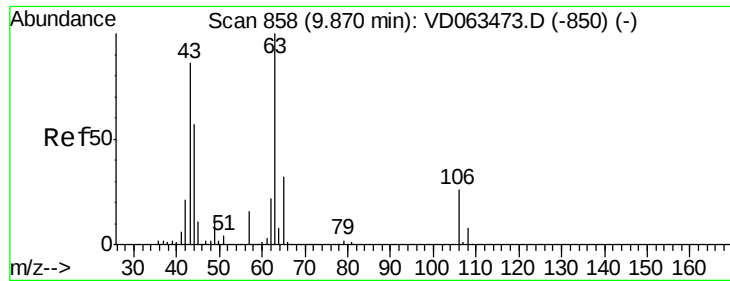
100 66.2 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

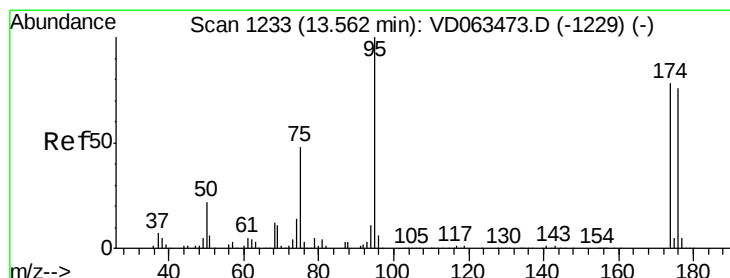
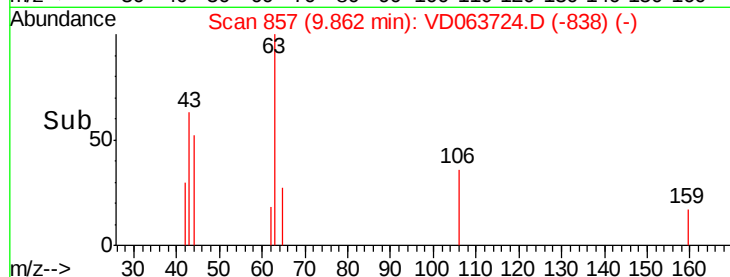
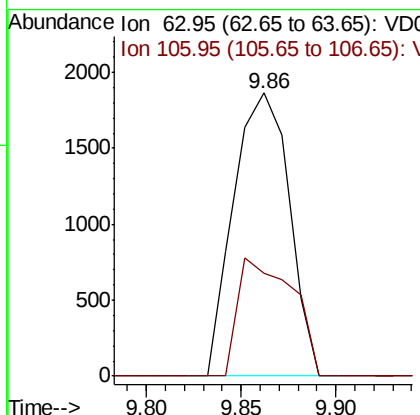
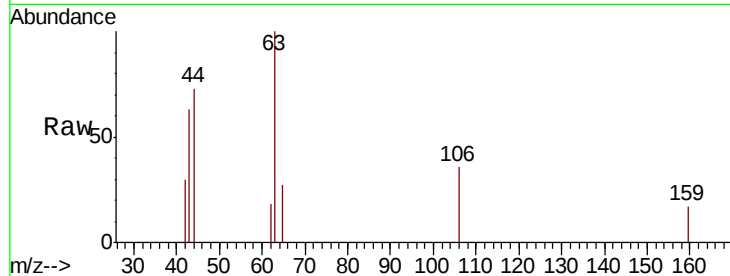




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.194 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD063724.D
 Acq: 21 Aug 2019 20:23

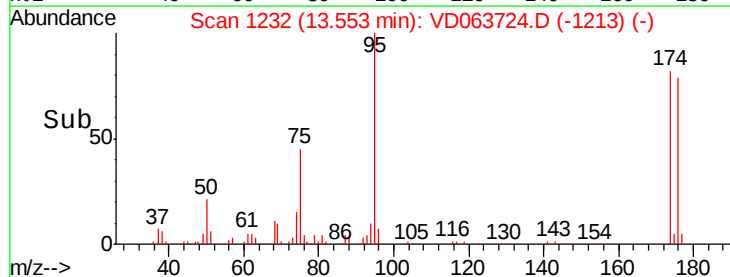
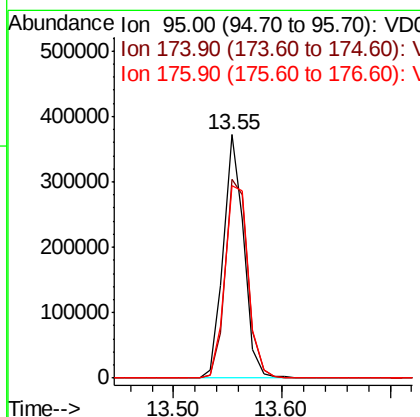
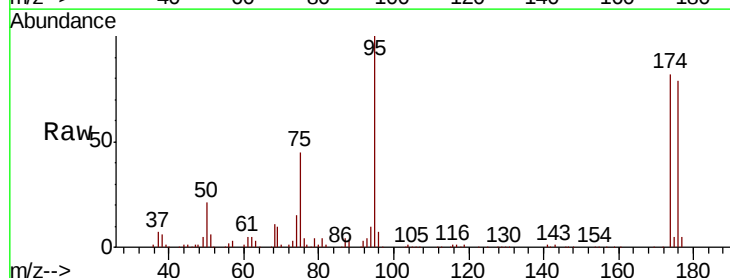
Instrument :
 MSVOA_D
 ClientSampleId :
 T4-D-(2)

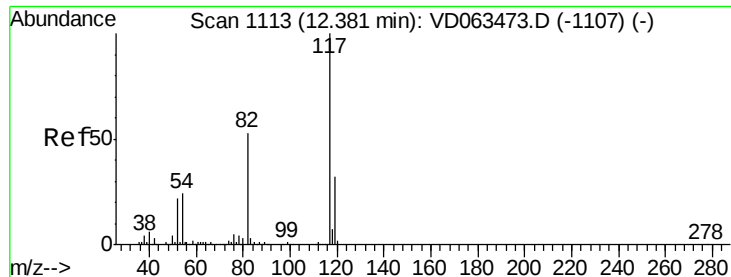
Tgt Ion: 63 Resp: 3794
 Ion Ratio Lower Upper
 63 100
 106 36.4 20.8 31.2#



#62
 4-Bromofluorobenzene
 Concen: 44.367 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD063724.D
 Acq: 21 Aug 2019 20:23

Tgt Ion: 95 Resp: 487921
 Ion Ratio Lower Upper
 95 100
 174 81.7 0.0 155.4
 176 79.0 0.0 152.4

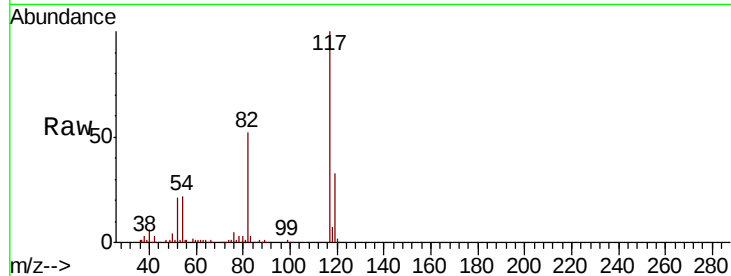




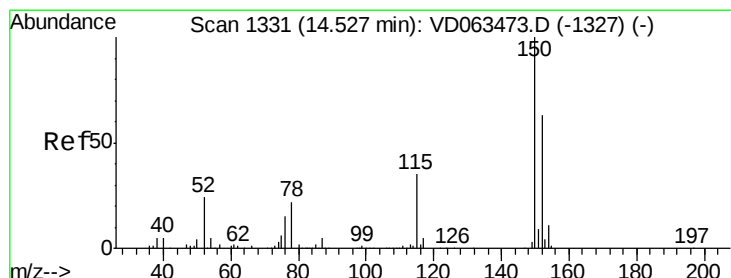
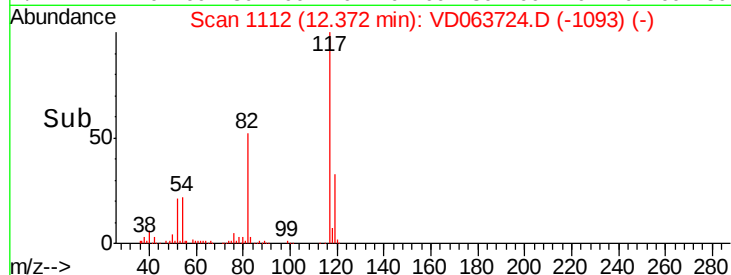
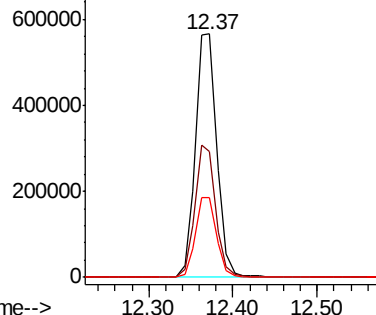
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063724.D
Acq: 21 Aug 2019 20:23

Instrument :
MSVOA_D
ClientSampleId :
T4-D-(2)

Tgt Ion:117 Resp: 997630
Ion Ratio Lower Upper
117 100
82 51.5 42.0 63.0
119 32.9 25.4 38.0

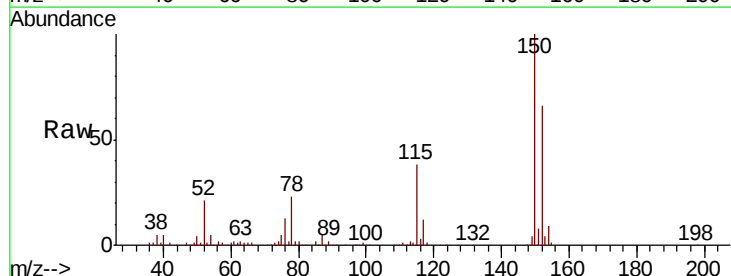


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

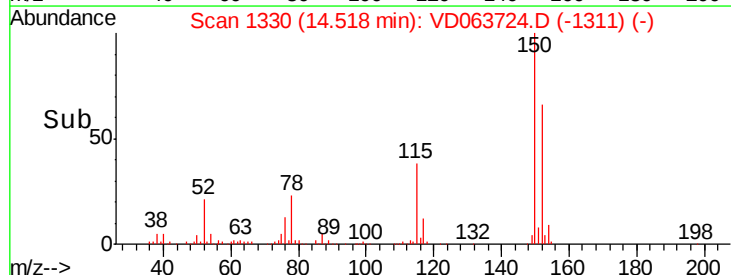
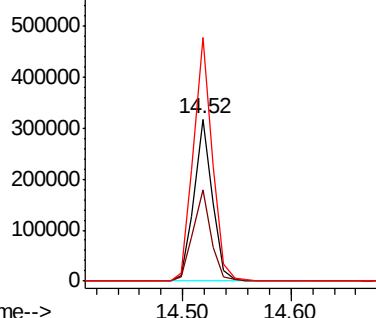


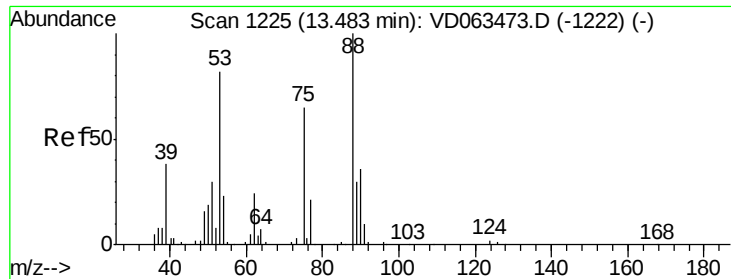
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063724.D
Acq: 21 Aug 2019 20:23

Tgt Ion:152 Resp: 376273
Ion Ratio Lower Upper
152 100
115 56.5 30.9 92.7
150 150.4 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: 188.398 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063724.D

Acq: 21 Aug 2019 20:23

Instrument :

MSVOA_D

ClientSampleId :

T4-D-(2)

Tgt Ion: 75 Resp: 218666

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#

