

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
 Data File : VD063717.D
 Acq On : 21 Aug 2019 17:09
 Operator : JC/SY
 Sample : K4386-19
 Misc : 6.13g/5ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A4-(2)

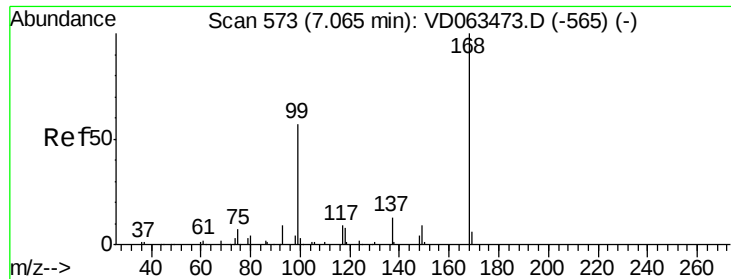
Quant Time: Aug 22 01:27:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	841031	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1205690	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	815103	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	316856	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	566728	63.04	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	126.08%	
35) Dibromofluoromethane	6.92	113	645353	63.55	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	127.10%	
50) Toluene-d8	10.41	98	1247887	55.90	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	111.80%	
62) 4-Bromofluorobenzene	13.56	95	420279	41.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.08%	

Target Compounds						Qvalue
11) Tert butyl alcohol	4.09	59	972	2.484	ug/l #	71
16) Acetone	3.22	43	41036	22.455	ug/l	99
20) Methylene Chloride	3.81	84	34285	4.339	ug/l #	71
29) Tetrahydrofuran	6.47	42	6261	7.444	ug/l	94
31) Cyclohexane	7.04	56	17612	2.170	ug/l #	9
36) 1,1-Dichloropropene	7.04	75	67503	6.333	ug/l #	47
38) Carbon Tetrachloride	7.04	117	77910	4.850	ug/l #	18
44) Trichloroethene	8.55	130	26603	2.967	ug/l	66
51) 4-Methyl-2-Pentanone	10.41	43	7495	1.831	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	191014	195.434	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD063717.D

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ClientSampleId :

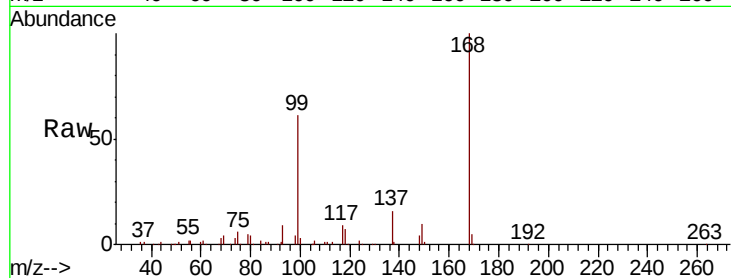
T6-A4-(2)

Tgt Ion:168 Resp: 841031

Ion Ratio Lower Upper

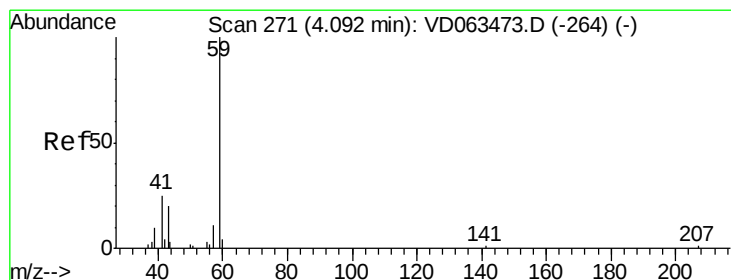
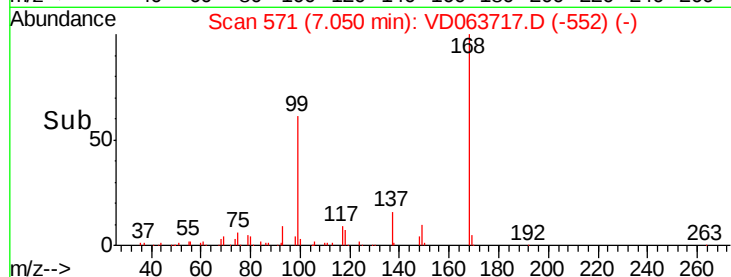
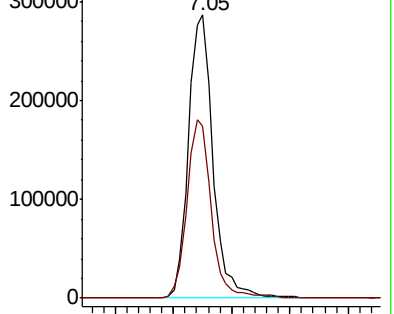
168 100

99 60.7 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: 2.484 ug/l

RT: 4.09 min Scan# 270

Delta R.T. -0.00 min

Lab File: VD063717.D

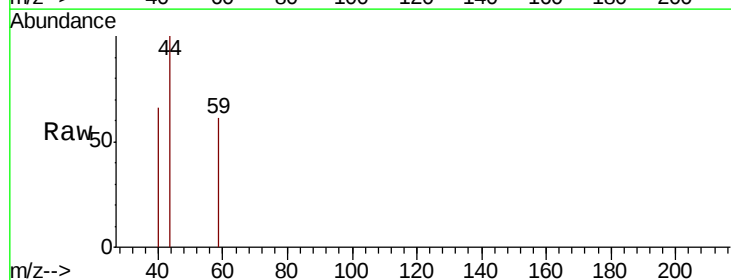
Acq: 21 Aug 2019 17:09

Tgt Ion: 59 Resp: 972

Ion Ratio Lower Upper

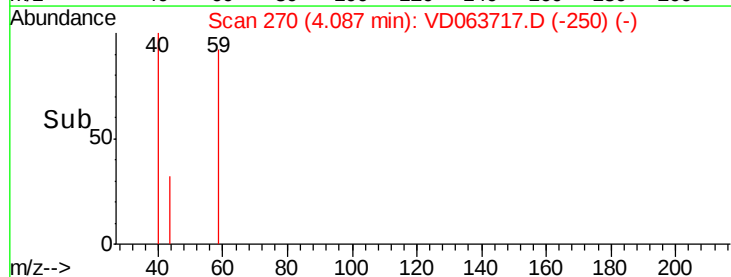
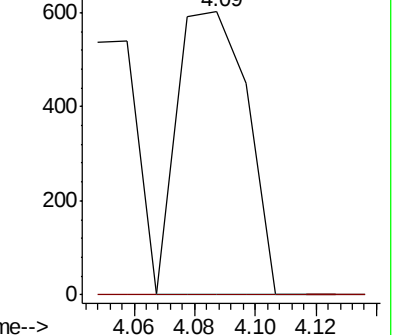
59 100

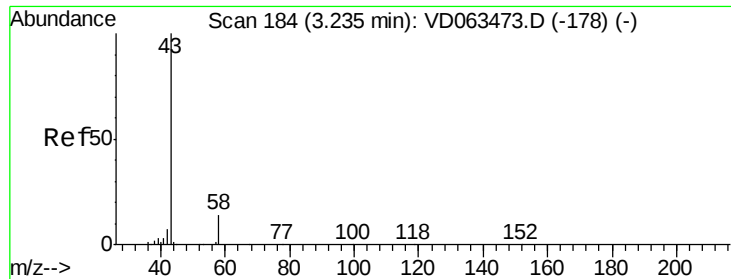
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

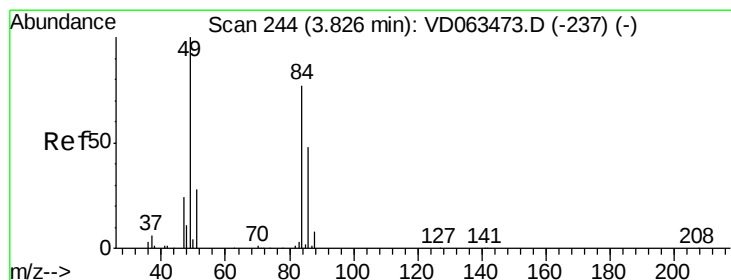
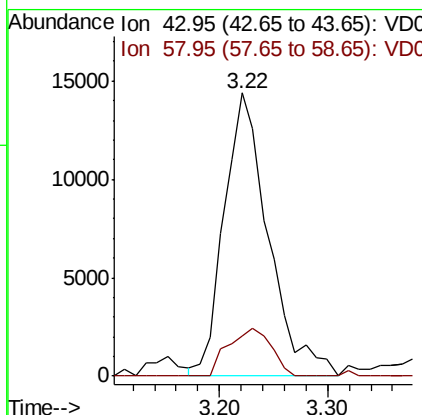
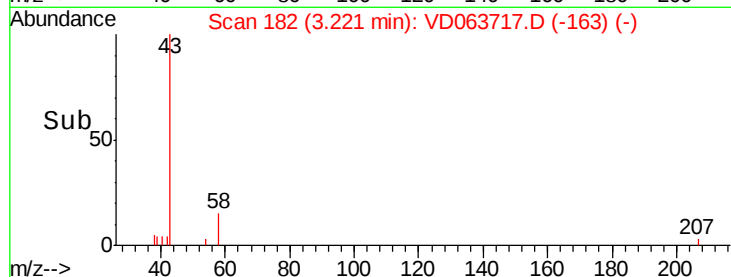
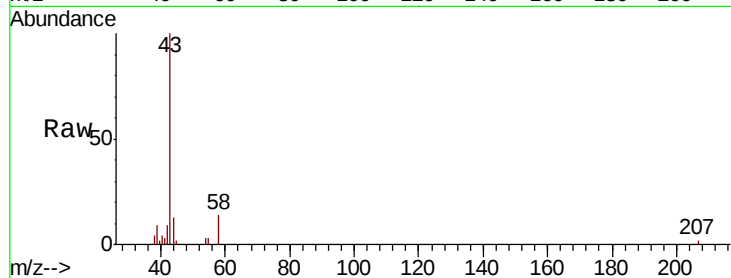




#16
Acetone
Concen: 22.455 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.01 min
Lab File: VD063717.D
Acq: 21 Aug 2019 17:09

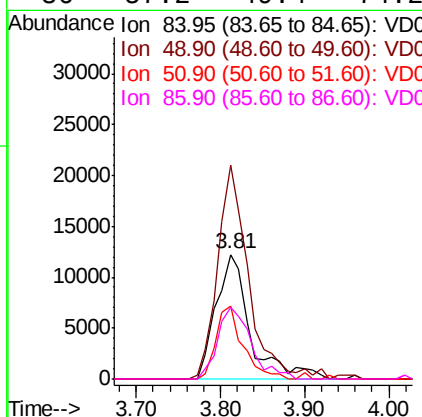
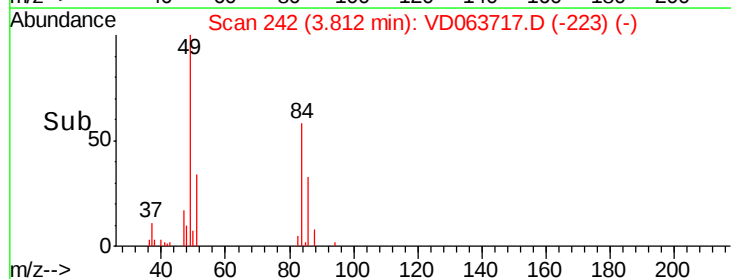
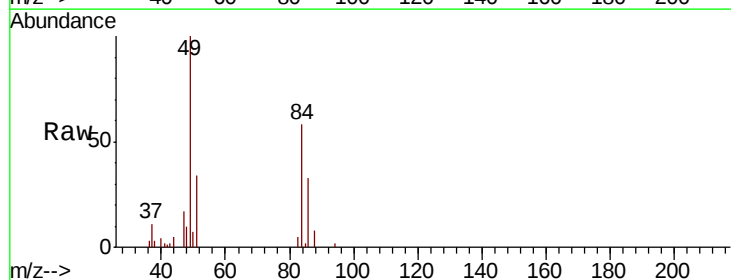
Instrument :
MSVOA_D
ClientSampleId :
T6-A4-(2)

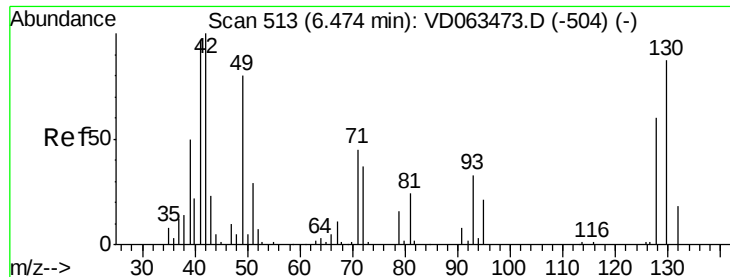
Tgt Ion: 43 Resp: 41036
Ion Ratio Lower Upper
43 100
58 14.0 11.4 17.2



#20
Methylene Chloride
Concen: 4.339 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD063717.D
Acq: 21 Aug 2019 17:09

Tgt Ion: 84 Resp: 34285
Ion Ratio Lower Upper
84 100
49 171.4 103.4 155.2#
51 59.0 28.5 42.7#
86 57.2 49.4 74.2





#29

Tetrahydrofuran

Concen: 7.444 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063717.D

Acq: 21 Aug 2019 17:09

Instrument :

MSVOA_D

ClientSampleId :

T6-A4-(2)

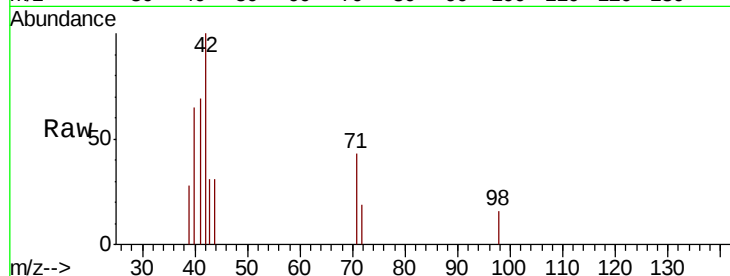
Tgt Ion: 42 Resp: 6261

Ion Ratio Lower Upper

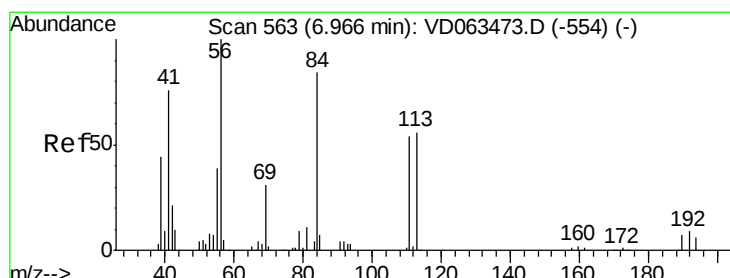
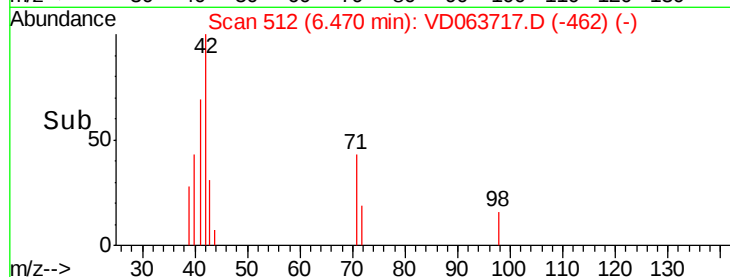
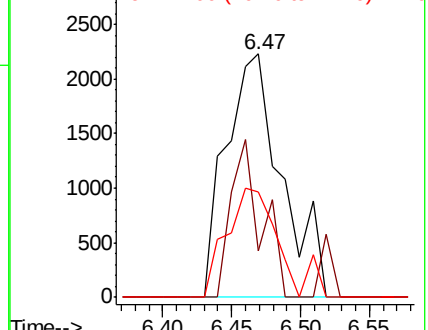
42 100

72 35.2 31.5 47.3

71 38.7 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: 2.170 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063717.D

Acq: 21 Aug 2019 17:09

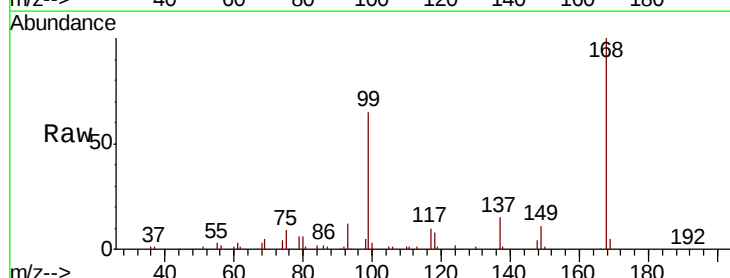
Tgt Ion: 56 Resp: 17612

Ion Ratio Lower Upper

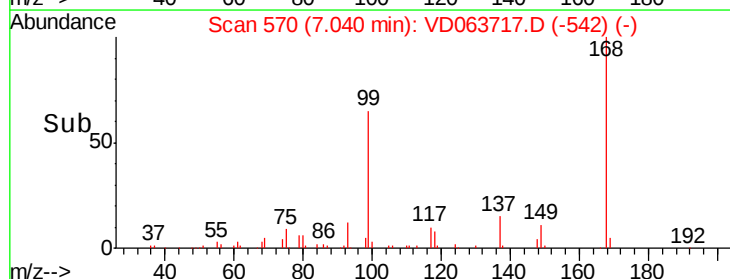
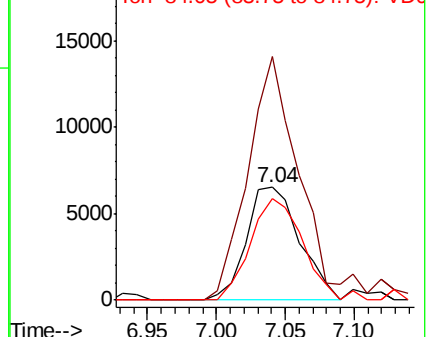
56 100

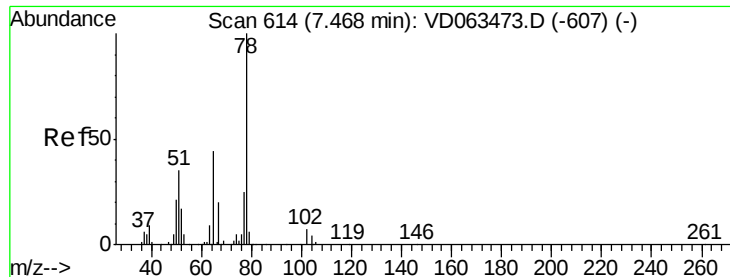
69 216.4 25.0 37.6#

84 90.3 69.7 104.5



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

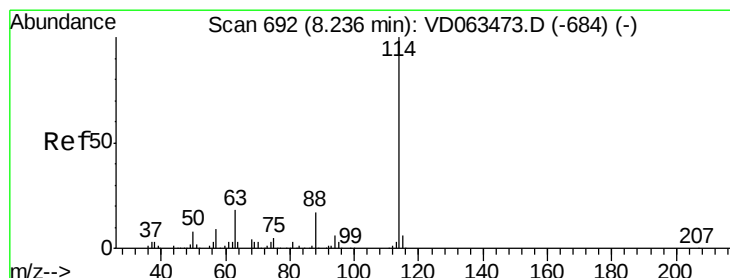
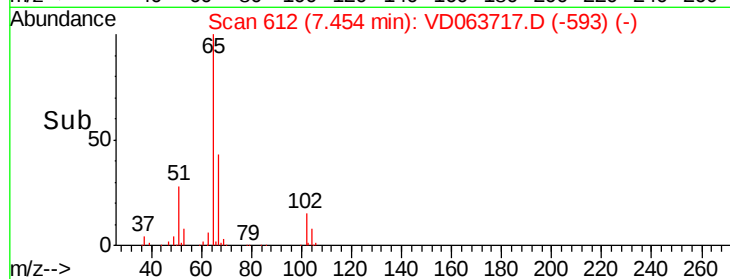
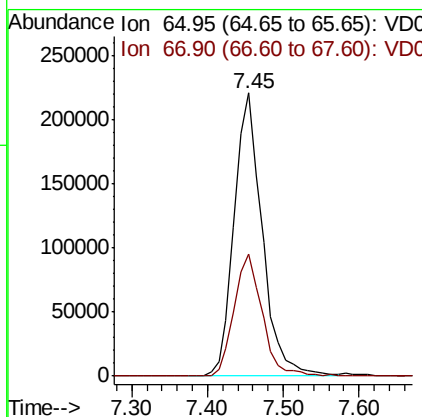
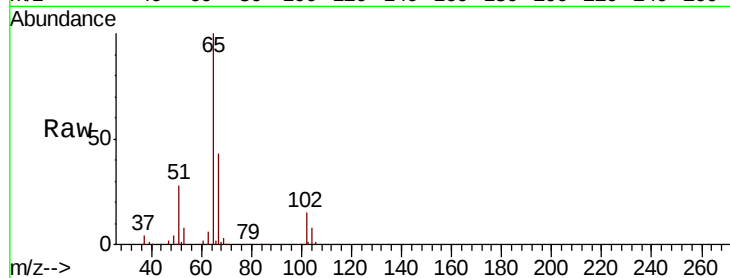




#33
 1,2-Dichloroethane-d4
 Concen: 63.040 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD063717.D
 Acq: 21 Aug 2019 17:09

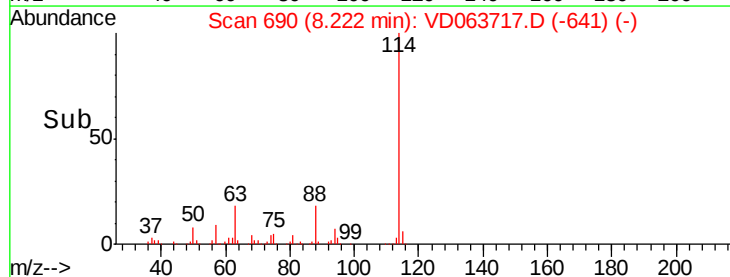
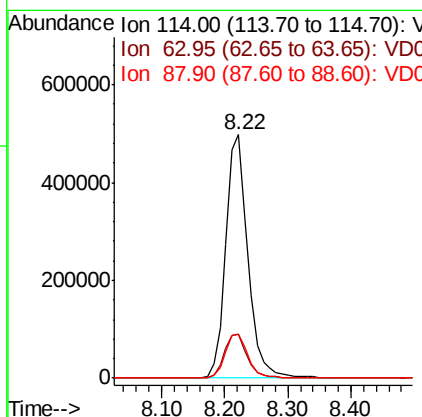
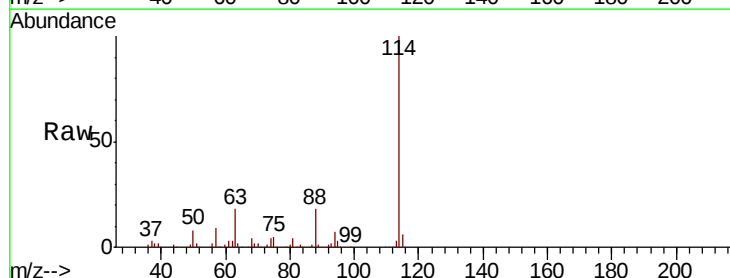
Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A4-(2)

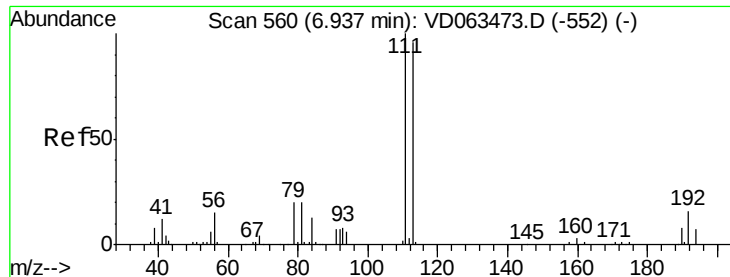
Tgt Ion: 65 Resp: 566728
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD063717.D
 Acq: 21 Aug 2019 17:09

Tgt Ion: 114 Resp: 1205690
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.2
 88 18.0 0.0 35.0

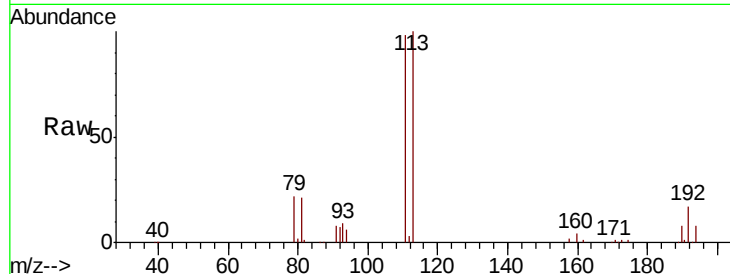




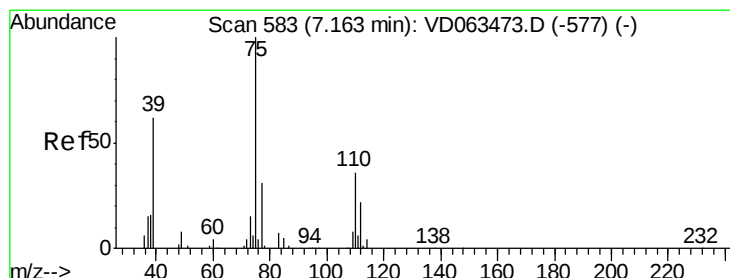
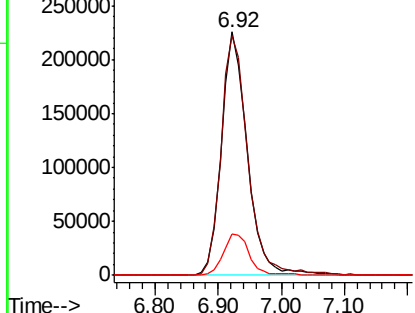
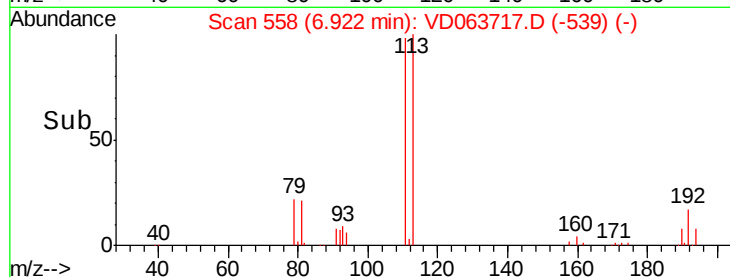
#35
 Dibromofluoromethane
 Concen: 63.554 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD063717.D
 Acq: 21 Aug 2019 17:09

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A4-(2)

Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.3	83.1	124.7
192	16.8	13.1	19.7

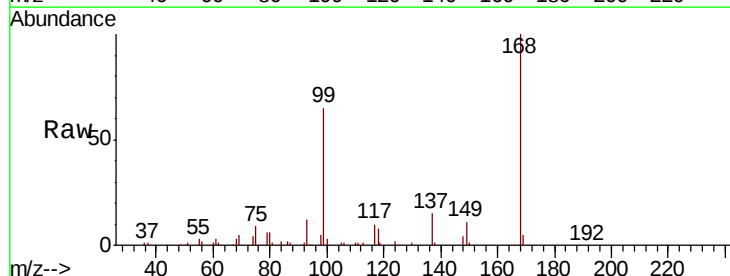


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

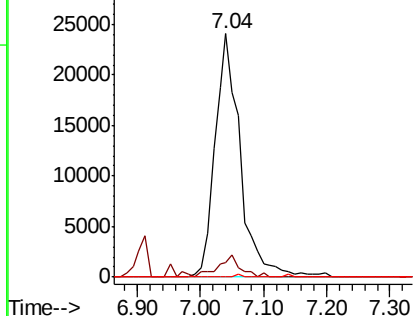
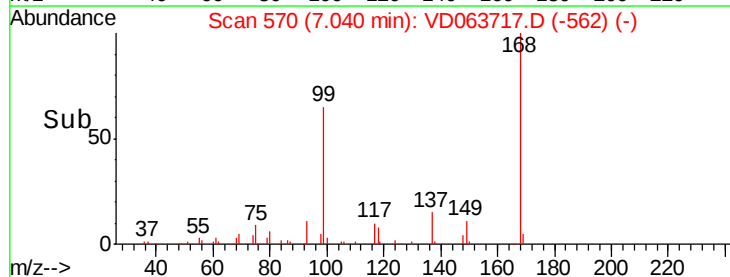


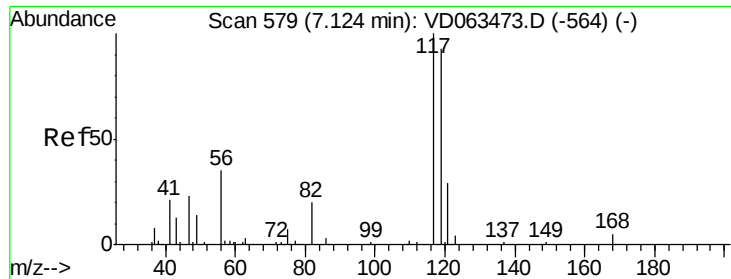
#36
 1,1-Dichloropropene
 Concen: 6.333 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.12 min
 Lab File: VD063717.D
 Acq: 21 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.7	17.6	52.8#
77	0.0	24.3	36.5#



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 4.850 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD063717.D

Acq: 21 Aug 2019 17:09

Instrument :

MSVOA_D

ClientSampleId :

T6-A4-(2)

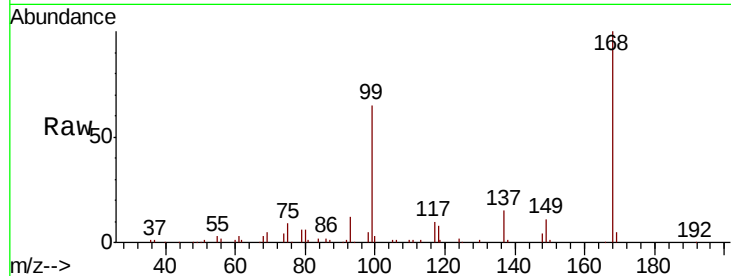
Tgt Ion:117 Resp: 77910

Ion Ratio Lower Upper

117 100

119 5.8 74.2 111.2#

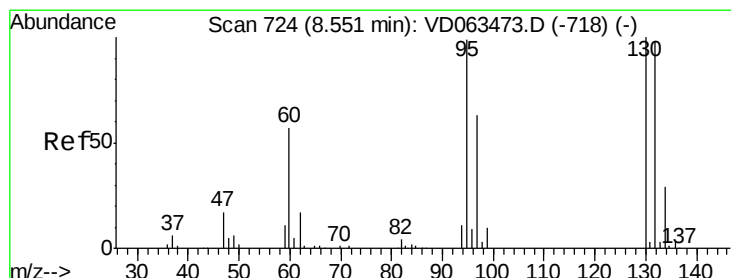
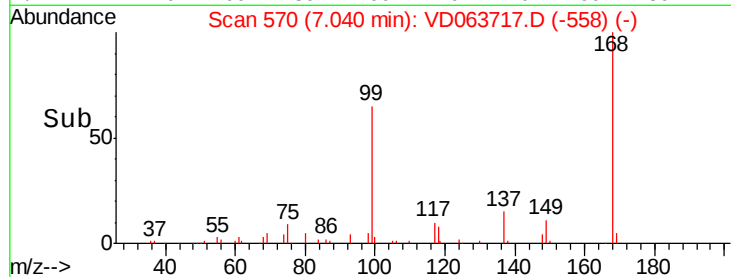
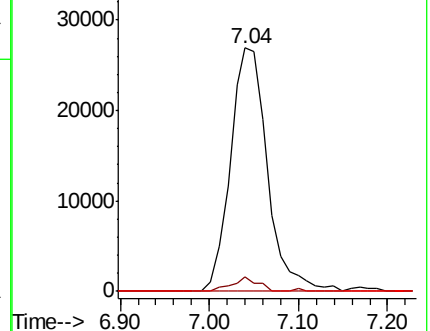
121 0.0 23.1 34.7#



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



#44

Trichloroethene

Concen: 2.967 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD063717.D

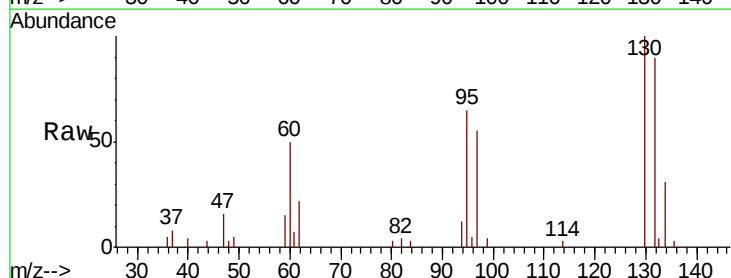
Acq: 21 Aug 2019 17:09

Tgt Ion:130 Resp: 26603

Ion Ratio Lower Upper

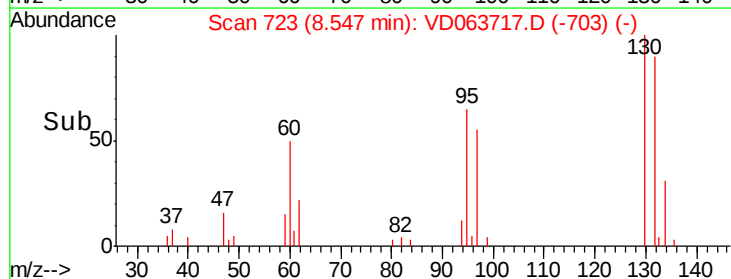
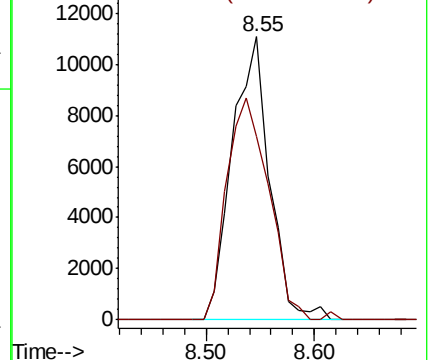
130 100

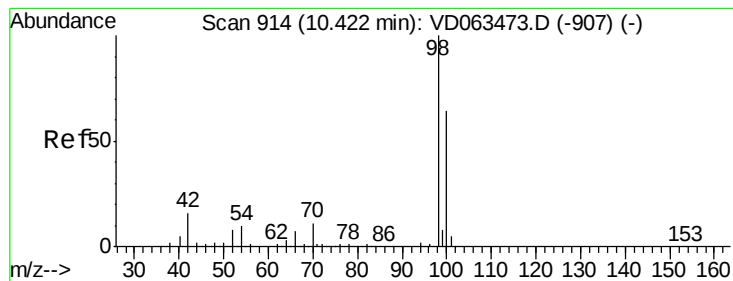
95 65.0 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 55.897 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.01 min

Lab File: VD063717.D

Acq: 21 Aug 2019 17:09

Instrument :

MSVOA_D

ClientSampleId :

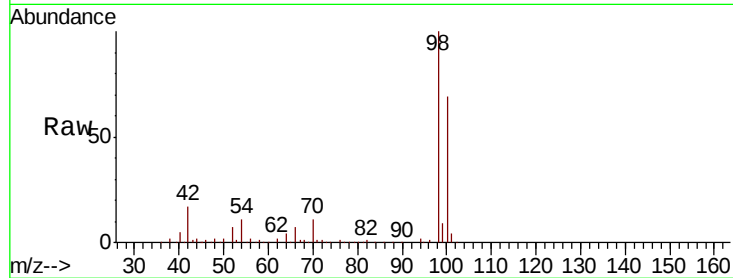
T6-A4-(2)

Tgt Ion: 98 Resp: 1247887

Ion Ratio Lower Upper

98 100

100 68.6 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.41

600000

500000

400000

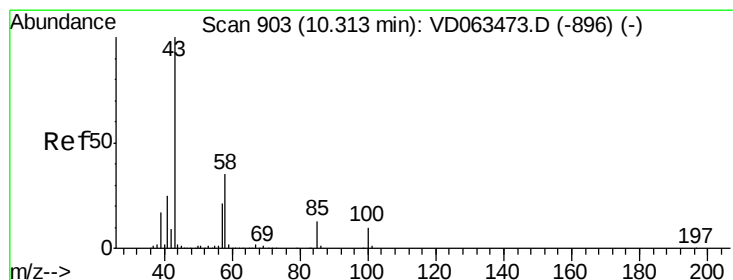
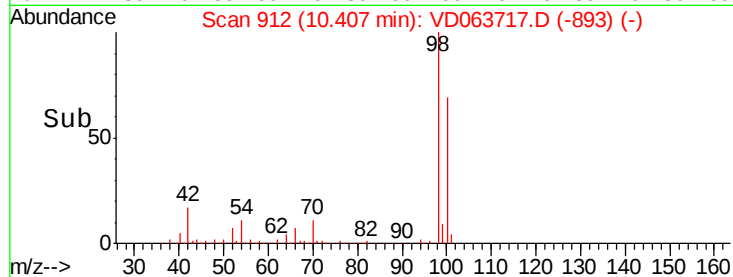
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.831 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.09 min

Lab File: VD063717.D

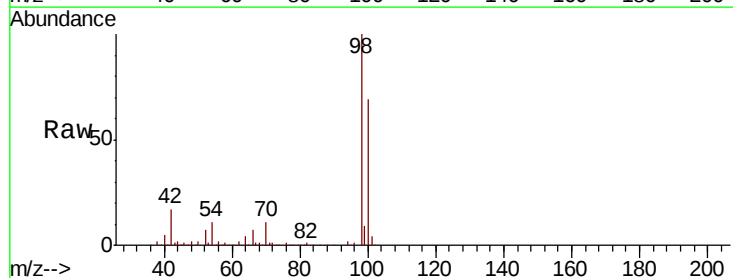
Acq: 21 Aug 2019 17:09

Tgt Ion: 43 Resp: 7495

Ion Ratio Lower Upper

43 100

58 126.1 28.0 42.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

6000

5000

4000

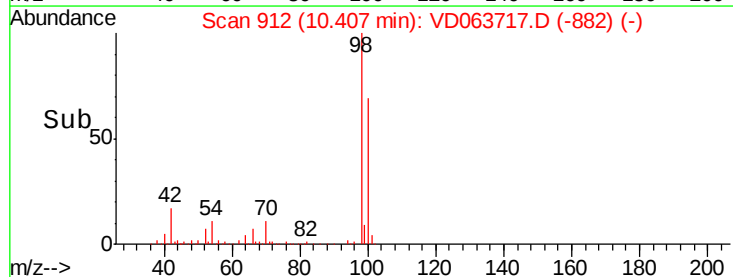
3000

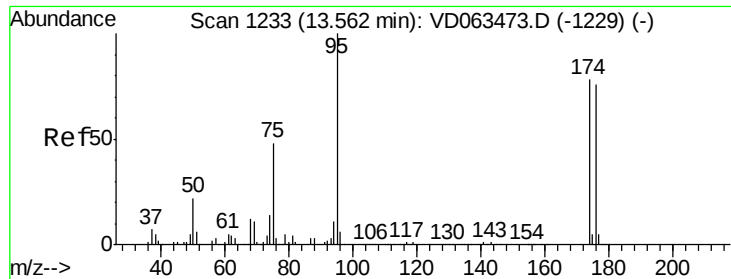
2000

1000

0

Time-->

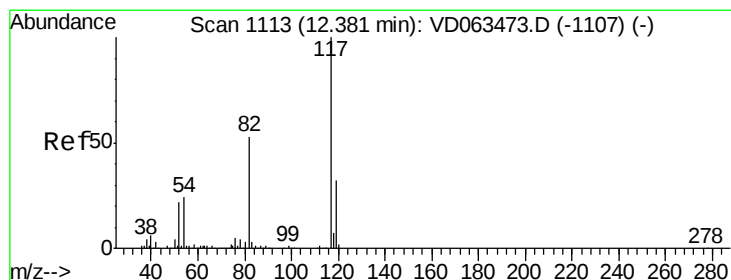
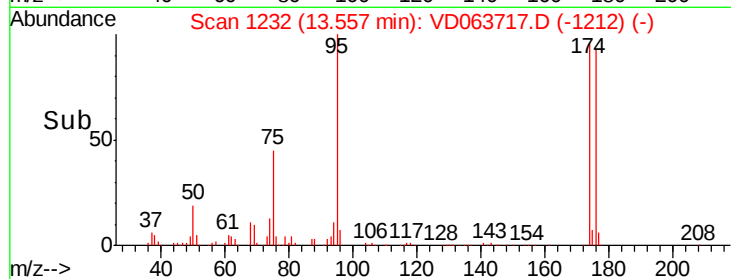
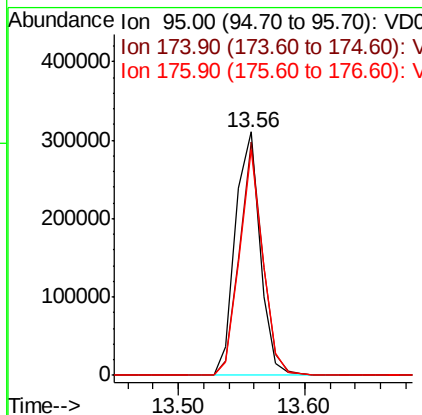
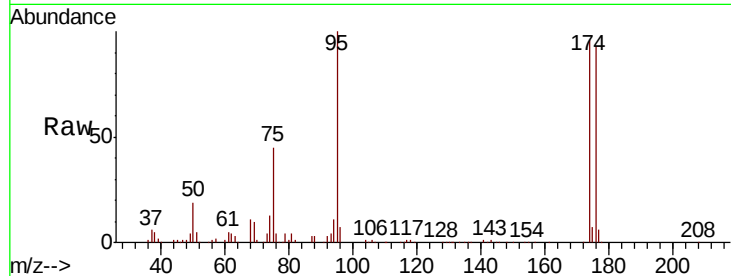




#62
4-Bromofluorobenzene
Concen: 41.535 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063717.D
Acq: 21 Aug 2019 17:09

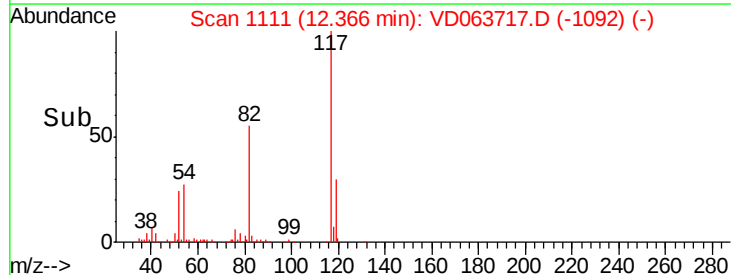
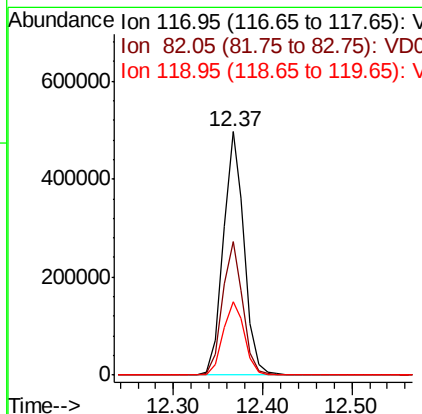
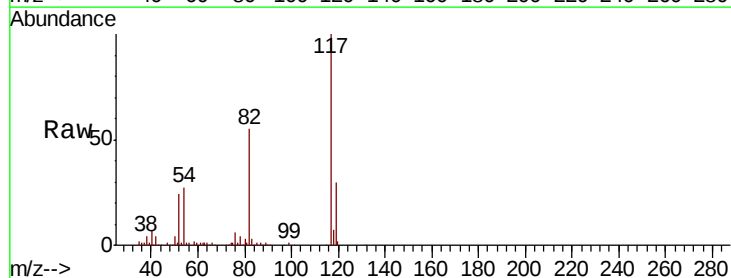
Instrument :
MSVOA_D
ClientSampleId :
T6-A4-(2)

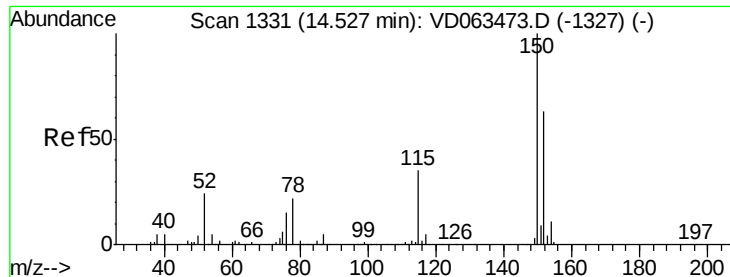
Tgt Ion: 95 Resp: 420279
Ion Ratio Lower Upper
95 100
174 96.0 0.0 155.4
176 92.9 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063717.D
Acq: 21 Aug 2019 17:09

Tgt Ion: 117 Resp: 815103
Ion Ratio Lower Upper
117 100
82 54.8 42.0 63.0
119 30.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD063717.D

Acq: 21 Aug 2019 17:09

Instrument :

MSVOA_D

ClientSampleId :

T6-A4-(2)

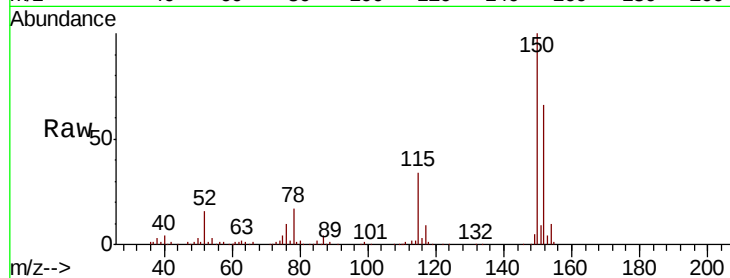
Tgt Ion:152 Resp: 316856

Ion Ratio Lower Upper

152 100

115 51.8 30.9 92.7

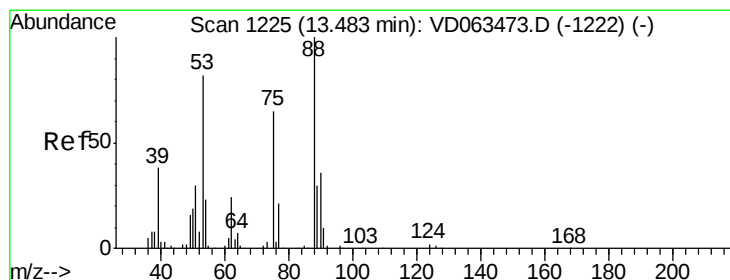
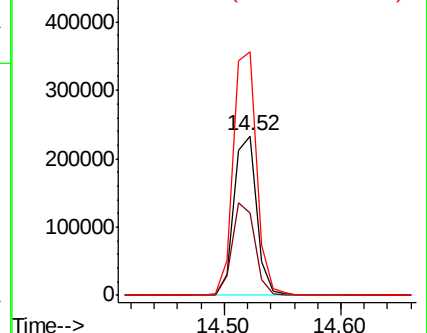
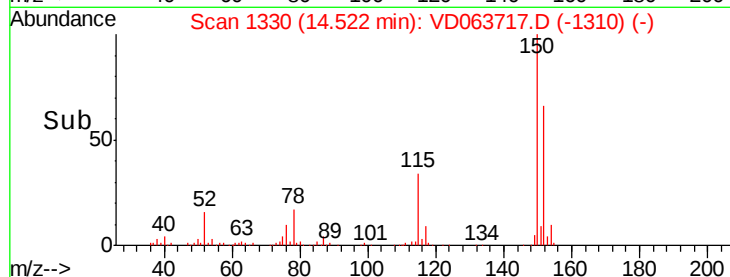
150 152.5 0.0 318.6



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: 195.434 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063717.D

Acq: 21 Aug 2019 17:09

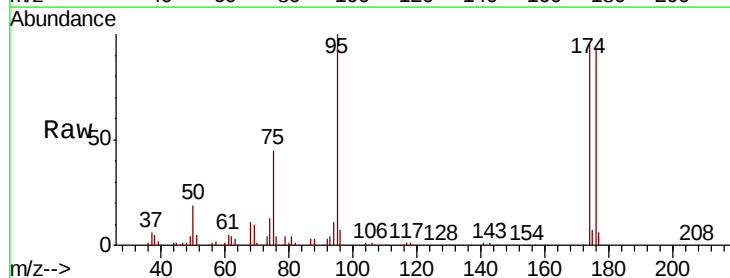
Tgt Ion: 75 Resp: 191014

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

