

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063600.D
 Acq On : 15 Aug 2019 4:54
 Operator : JC/SY
 Sample : K4339-05
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 12:07:24 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	924290	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1398258	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	958456	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	309483	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	429296	43.45	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	86.90%	
35) Dibromofluoromethane	6.92	113	498903	42.37	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	84.74%	
50) Toluene-d8	10.40	98	908528	35.09	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	70.18%	
62) 4-Bromofluorobenzene	13.55	95	308970	26.33	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	52.66%	

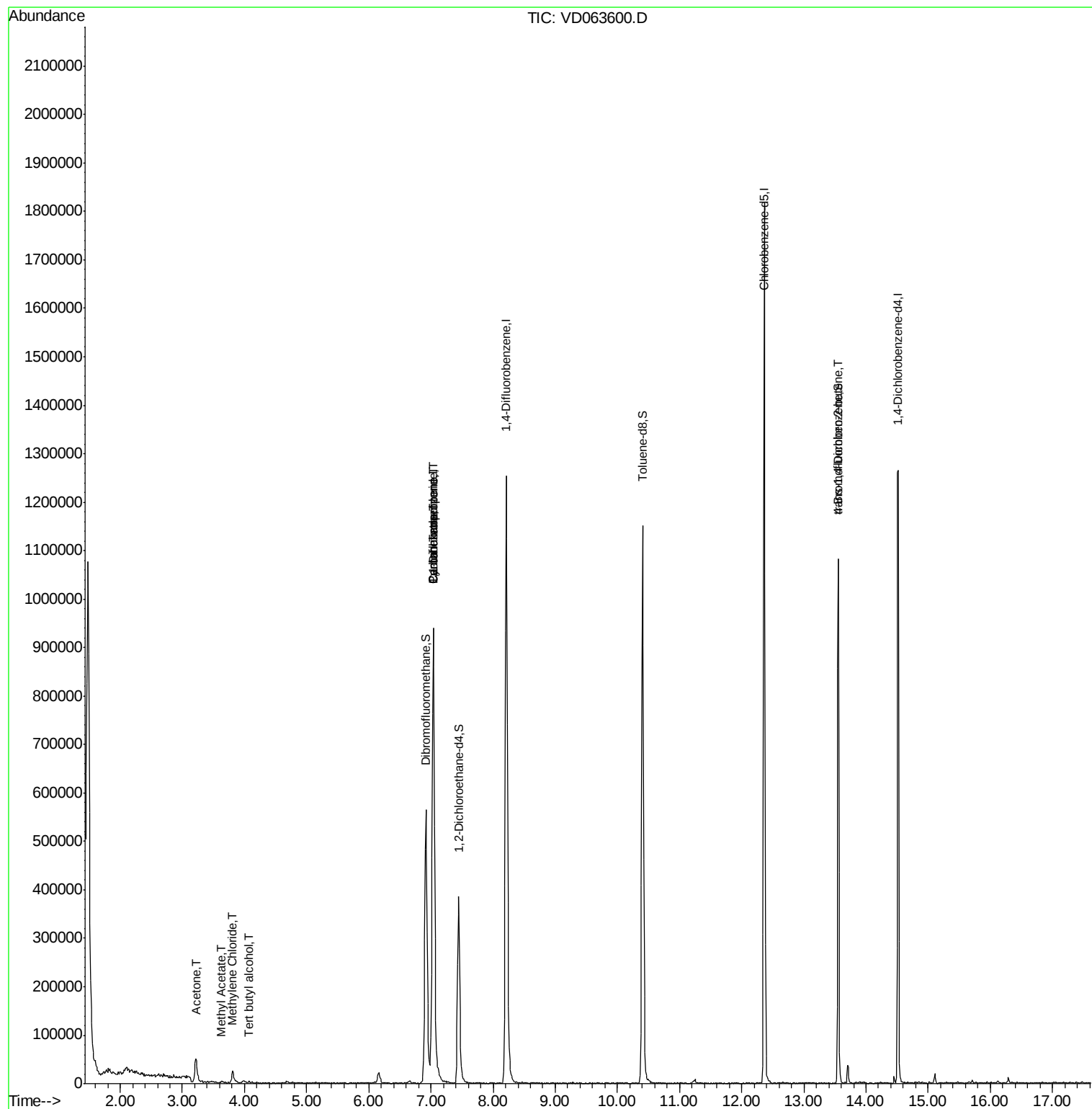
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	4447	10.340	ug/l #	71
16) Acetone	3.22	43	93507	46.558	ug/l	96
18) Methyl Acetate	3.64	43	4253	1.118	ug/l	100
20) Methylene Chloride	3.82	84	13357	1.538	ug/l	88
31) Cyclohexane	7.05	56	18000	2.018	ug/l #	5
36) 1,1-Dichloropropene	7.04	75	68425	5.536	ug/l #	49
38) Carbon Tetrachloride	7.05	117	95808	5.143	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	145917	152.850	ug/l #	1

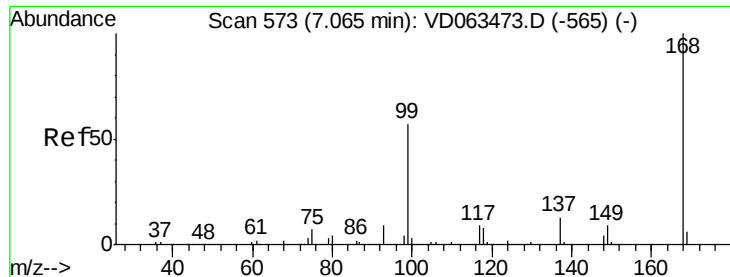
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063600.D

Acq: 15 Aug 2019 4:54

Instrument :

MSVOA_D

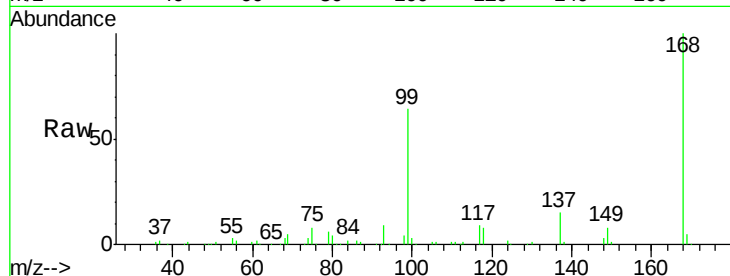
ClientSampleId :

Tot Ion:168 Resp: 924290

Ion Ratio Lower Upper

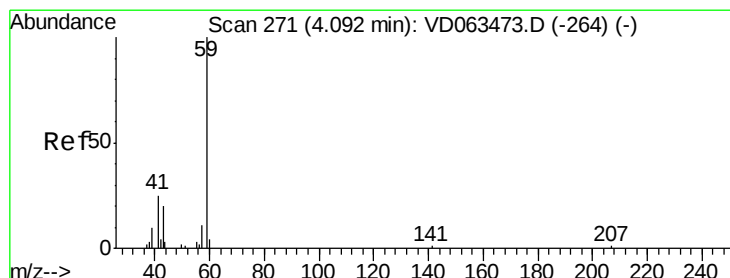
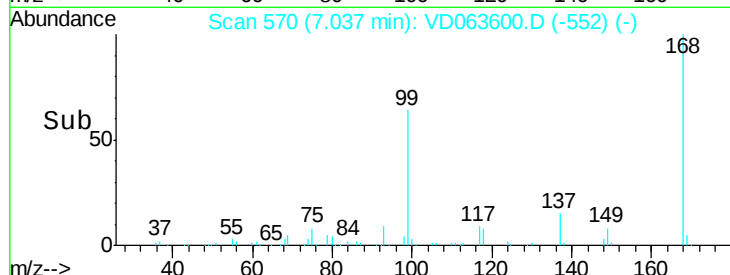
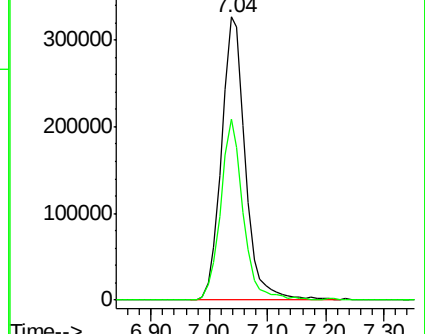
168 100

99 63.9 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: 10.340 ug/l

RT: 4.07 min Scan# 269

Delta R.T. -0.02 min

Lab File: VD063600.D

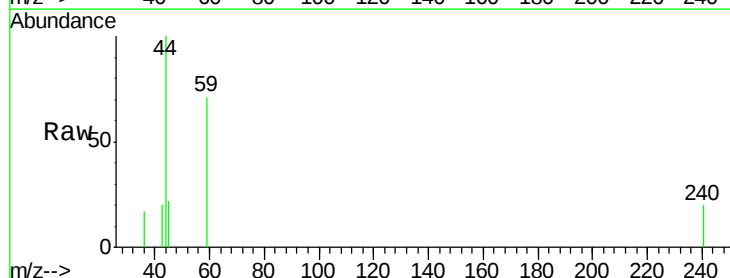
Acq: 15 Aug 2019 4:54

Tgt Ion: 59 Resp: 4447

Ion Ratio Lower Upper

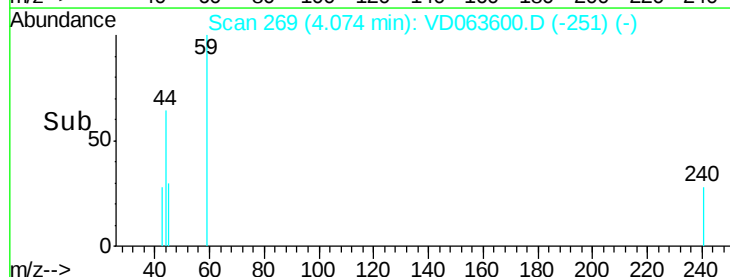
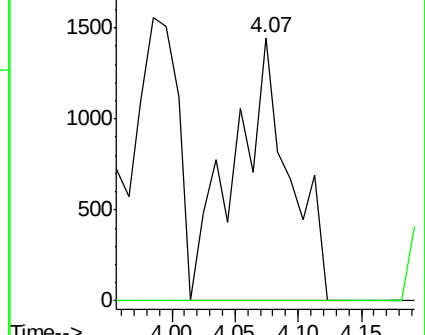
59 100

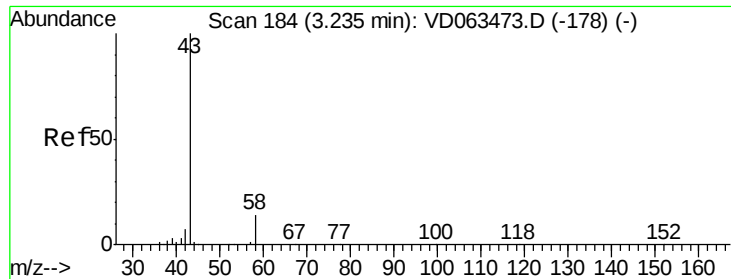
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

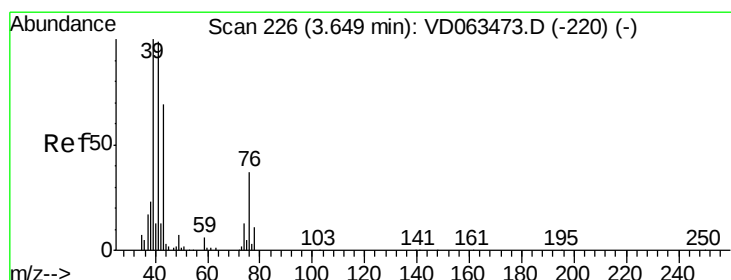
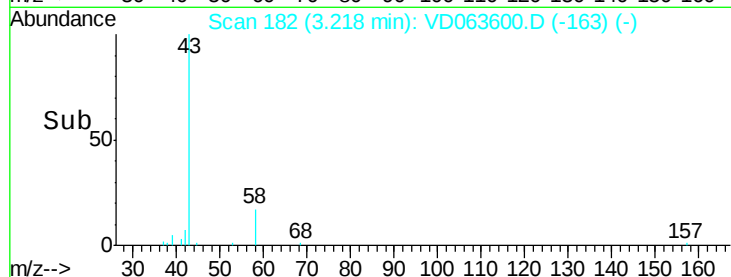
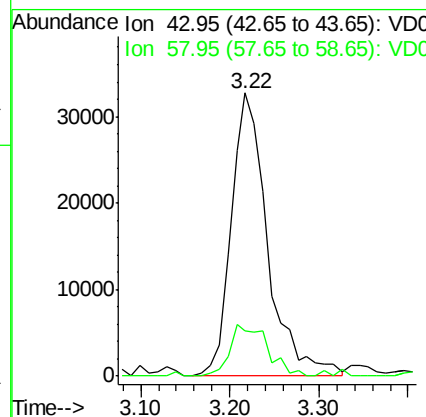
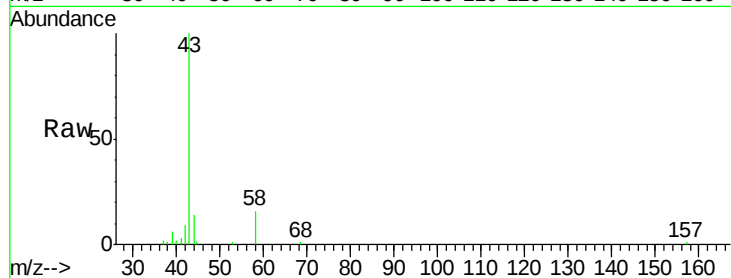




#16
Acetone
Concen: 46.558 ug/l
RT: 3.22 min Scan# 182
Delta R.T. -0.02 min
Lab File: VD063600.D
Acq: 15 Aug 2019 4:54

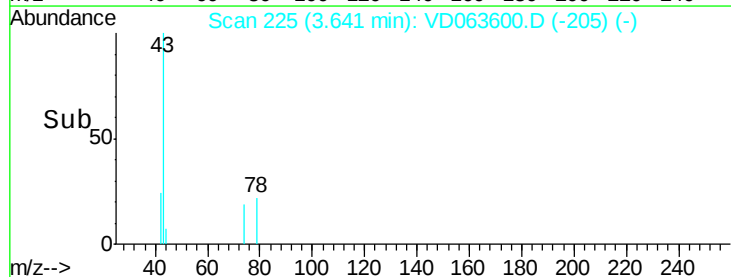
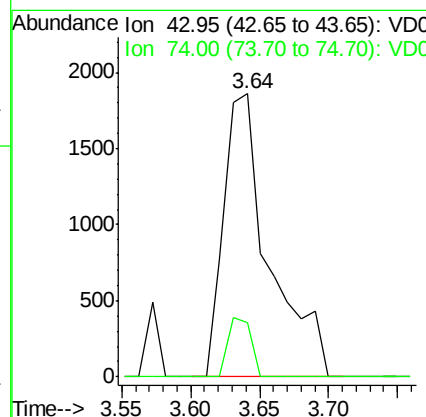
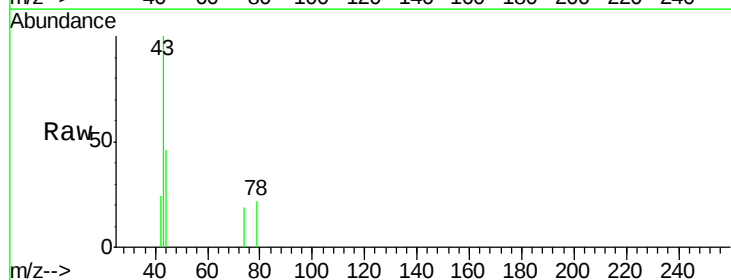
Instrument :
MSVOA_D
ClientSampleId :

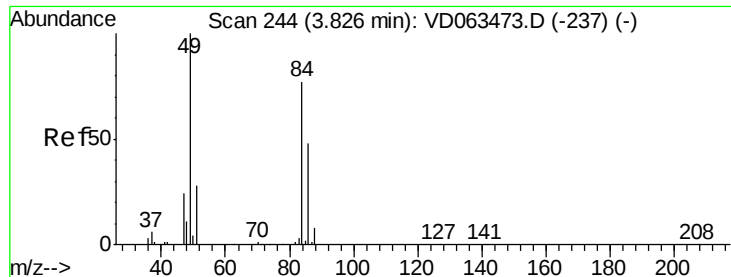
Tot Ion: 43 Resp: 93507
Ion Ratio Lower Upper
43 100
58 16.1 11.4 17.2



#18
Methyl Acetate
Concen: 1.118 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD063600.D
Acq: 15 Aug 2019 4:54

Tgt Ion: 43 Resp: 4253
Ion Ratio Lower Upper
43 100
74 19.3 15.4 23.2

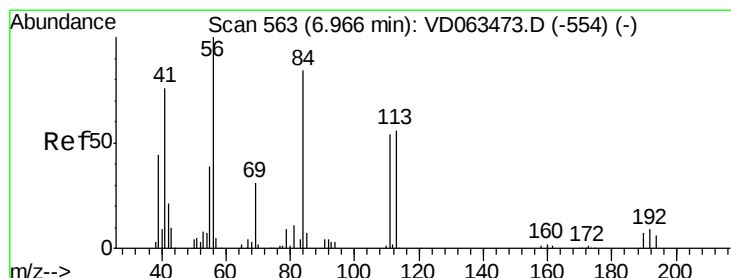
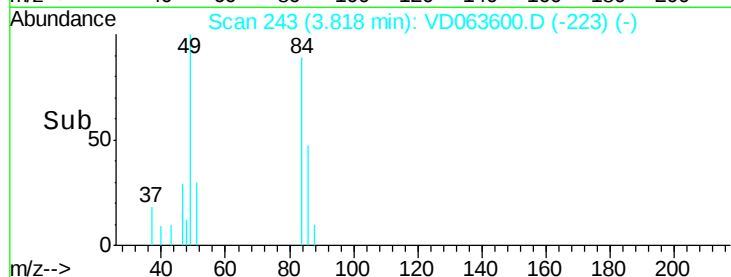
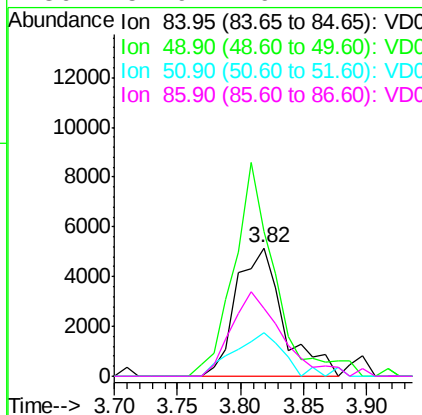
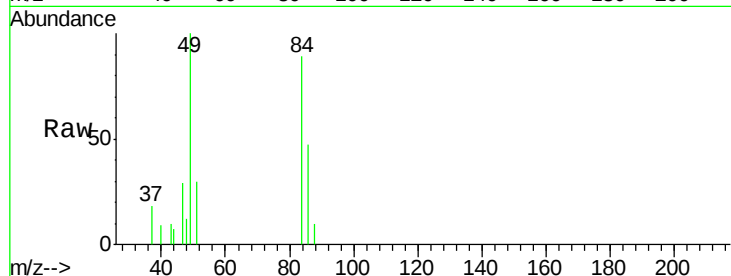




#20
Methvlene Chloride
Concen: 1.538 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063600.D
Acq: 15 Aug 2019 4:54

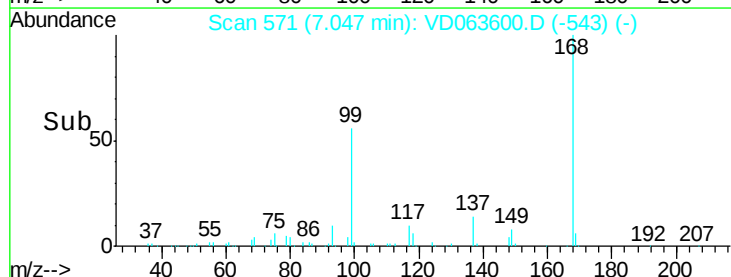
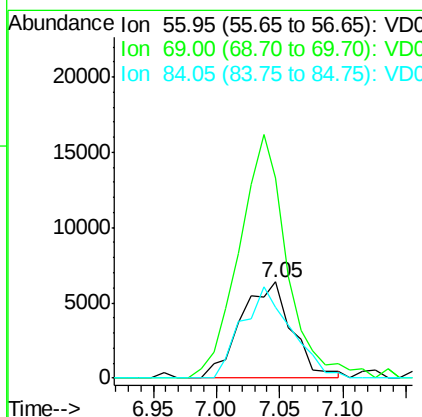
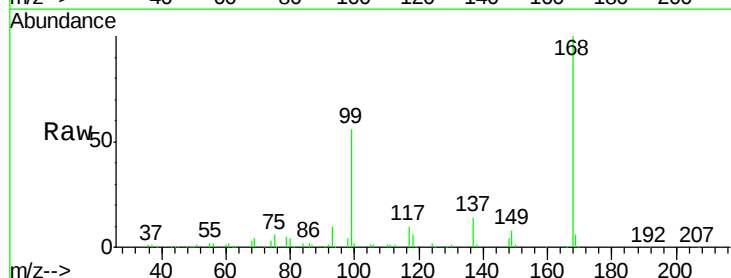
Instrument :
MSVOA_D
ClientSampleId :

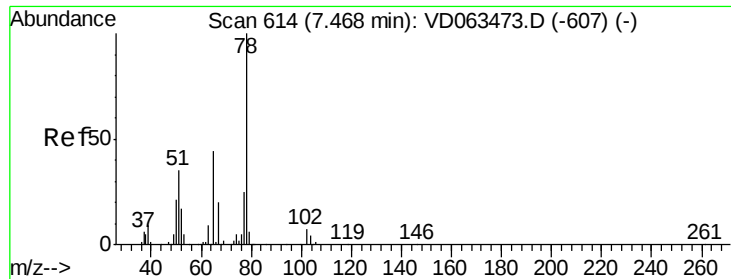
Tot Ion:	84	Resp:	13357
Ion	Ratio	Lower	Upper
84	100		
49	113.0	103.4	155.2
51	34.1	28.5	42.7
86	52.9	49.4	74.2



#31
Cyclohexane
Concen: 2.018 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD063600.D
Acq: 15 Aug 2019 4:54

Tgt Ion:	56	Resp:	18000
Ion	Ratio	Lower	Upper
56	100		
69	208.3	25.0	37.6#
84	74.5	69.7	104.5

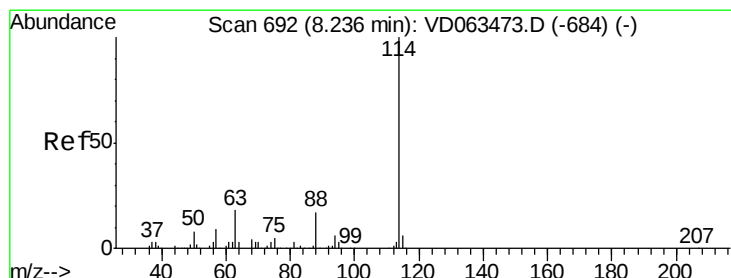
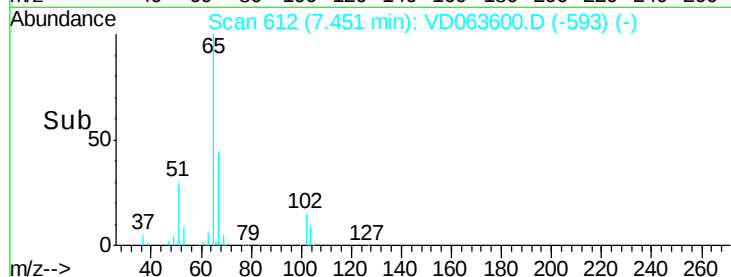
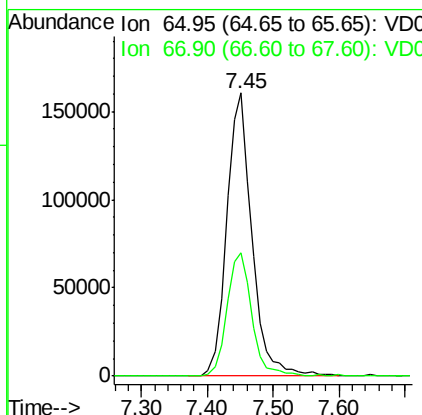
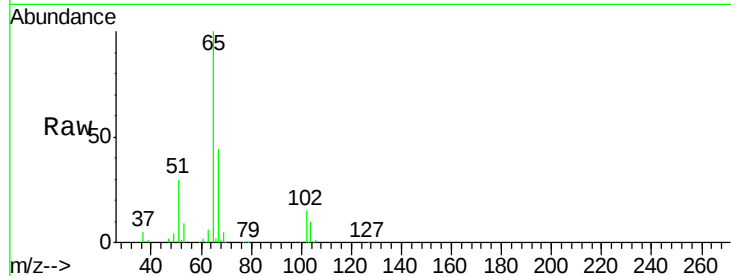




#33
 1,2-Dichloroethane-d4
 Concen: 43.451 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD063600.D
 Acq: 15 Aug 2019 4:54

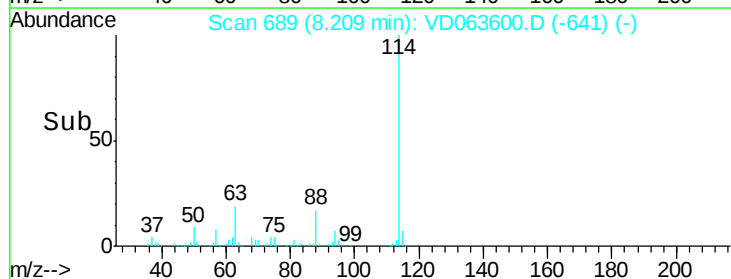
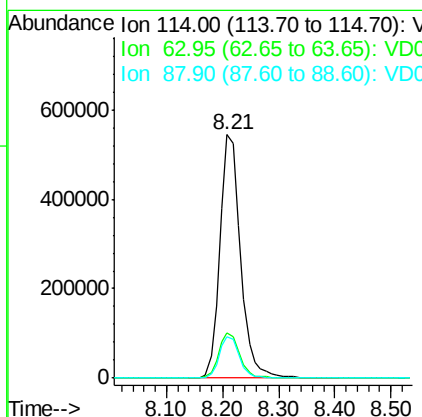
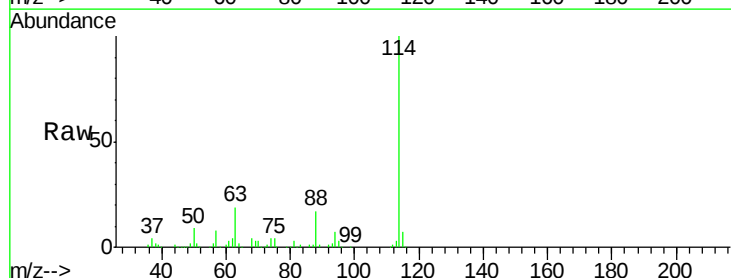
Instrument :
 MSVOA_D
 ClientSampleId :

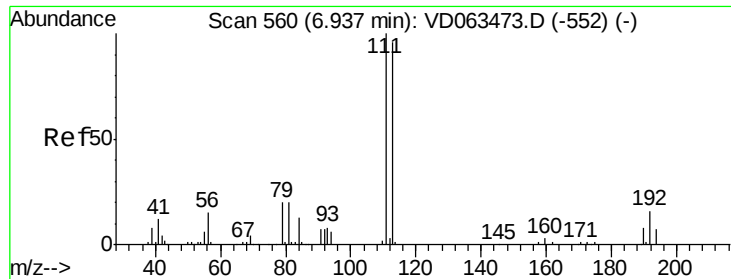
Tot Ion: 65 Resp: 429296
 Ion Ratio Lower Upper
 65 100
 67 43.6 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063600.D
 Acq: 15 Aug 2019 4:54

Tgt Ion: 114 Resp: 1398258
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.2
 88 17.2 0.0 35.0

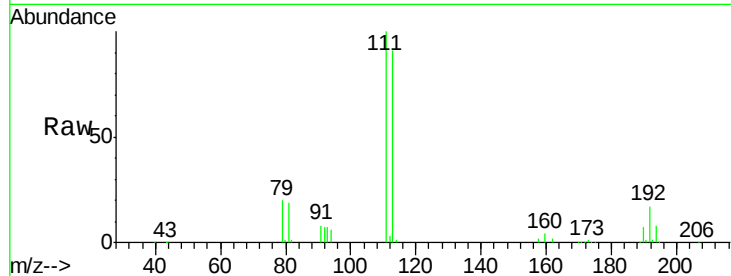




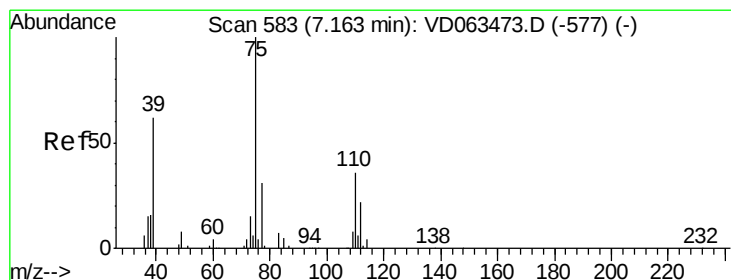
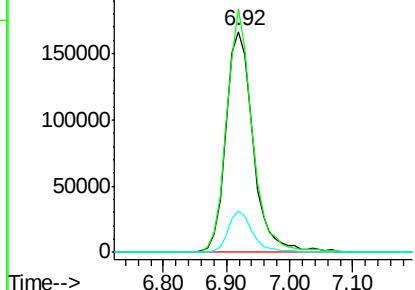
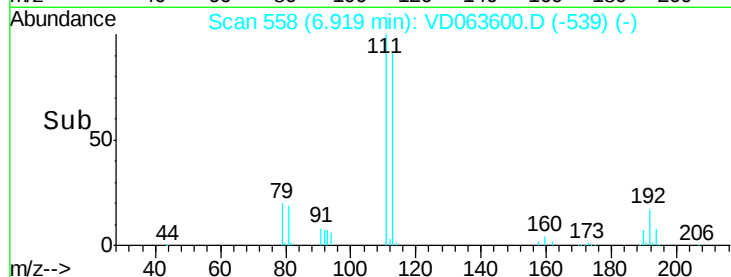
#35
 Dibromofluoromethane
 Concen: 42.365 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD063600.D
 Acq: 15 Aug 2019 4:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	110.3	83.1	124.7
192	19.0	13.1	19.7

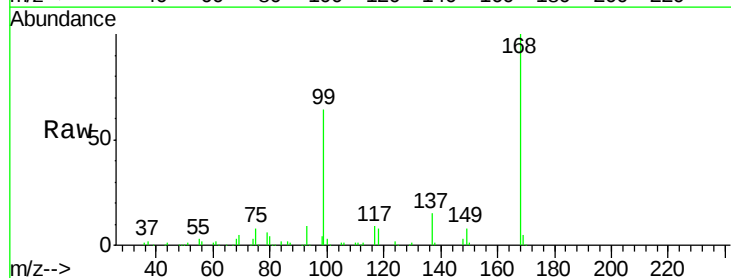


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

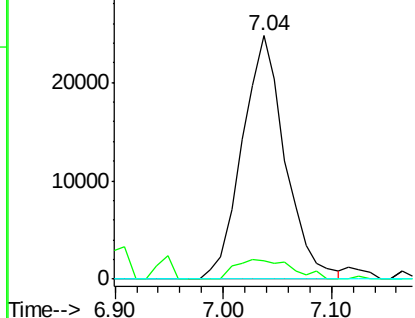
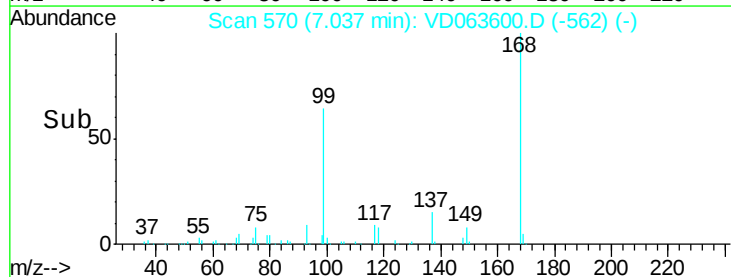


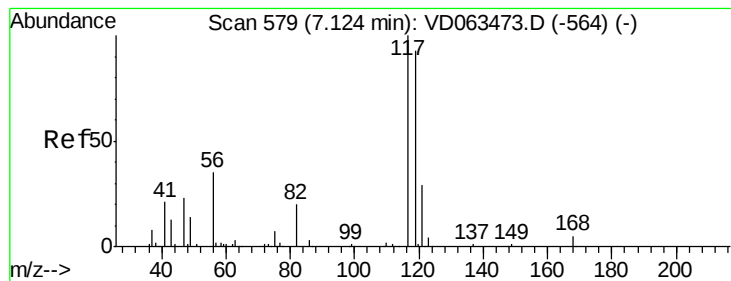
#36
 1,1-Dichloropropene
 Concen: 5.536 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063600.D
 Acq: 15 Aug 2019 4:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.6	52.8#
77	0.0	24.3	36.5#



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





#38

Carbon Tetrachloride

Concen: 5.143 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063600.D

Acq: 15 Aug 2019 4:54

Instrument :
MSVOA_D
ClientSampleId :

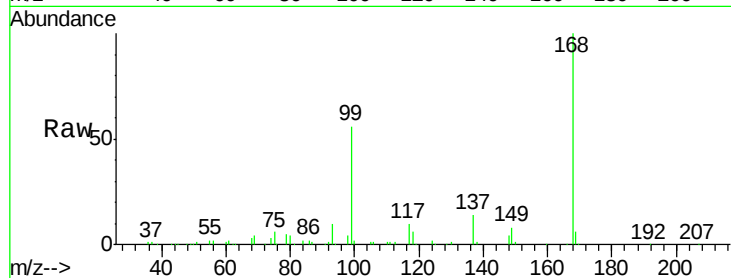
Tot Ion:117 Resp: 95808

Ion Ratio Lower Upper

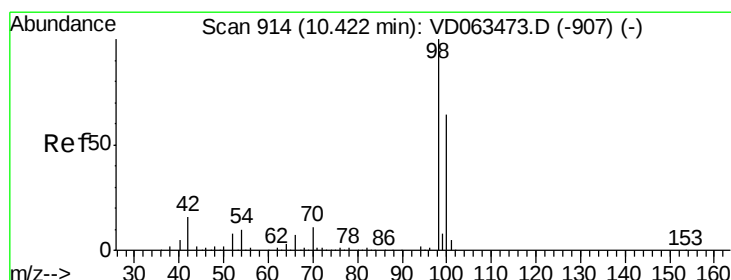
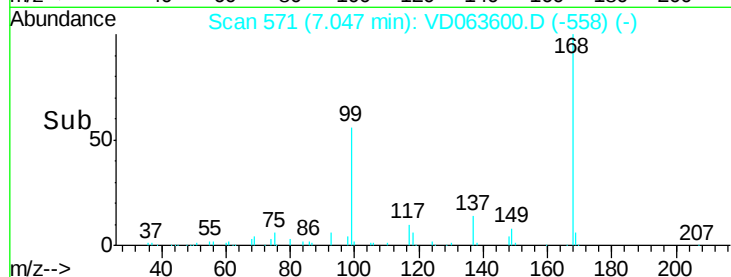
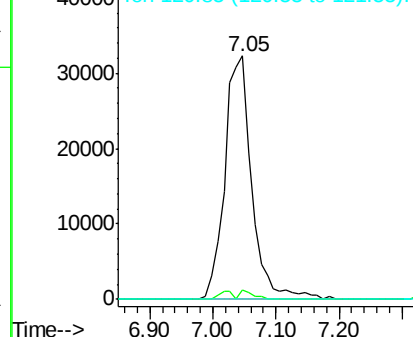
117 100

119 3.7 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: 35.091 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063600.D

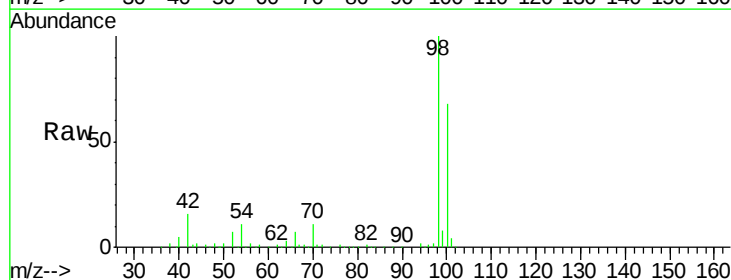
Acq: 15 Aug 2019 4:54

Tgt Ion: 98 Resp: 908528

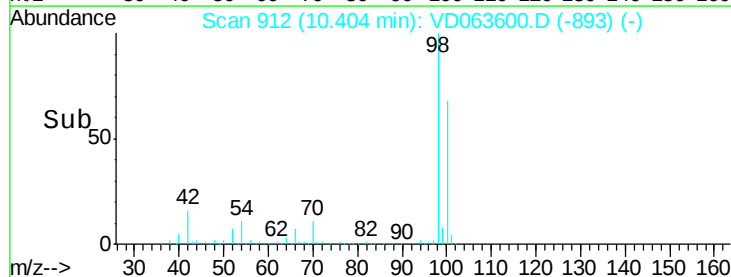
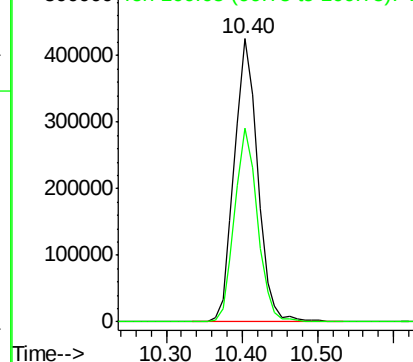
Ion Ratio Lower Upper

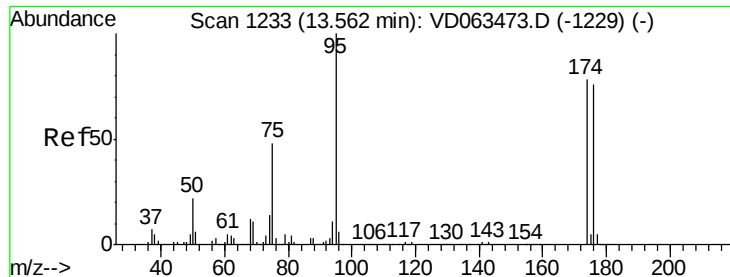
98 100

100 68.3 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 26.330 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063600.D

Acq: 15 Aug 2019 4:54

Instrument :

MSVOA_D

ClientSampleId :

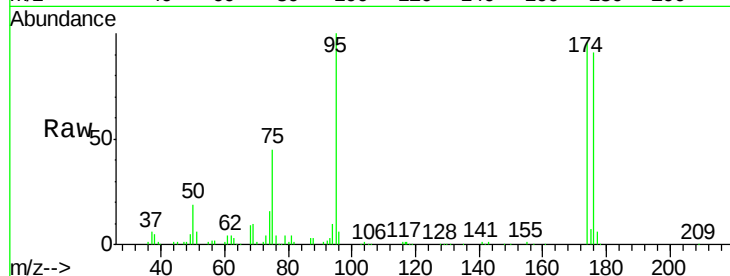
Tot Ion: 95 Resp: 308970

Ion Ratio Lower Upper

95 100

174 95.6 0.0 155.4

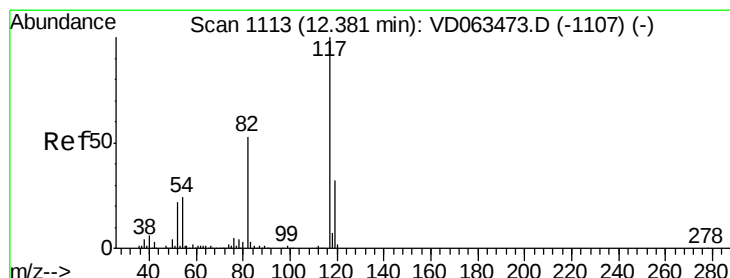
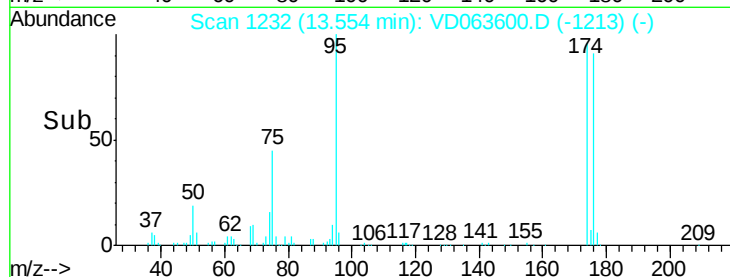
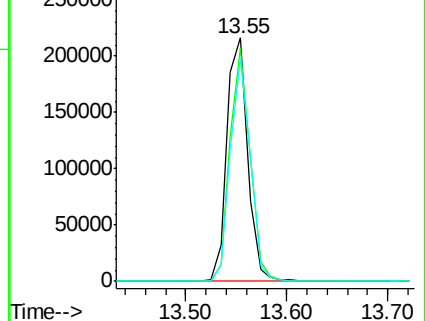
176 91.4 0.0 152.4



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: 12.36 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VD063600.D

Acq: 15 Aug 2019 4:54

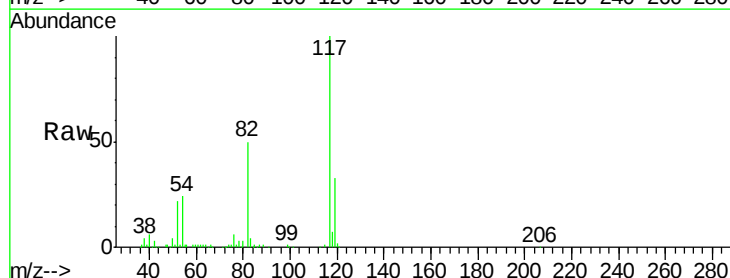
Tgt Ion: 117 Resp: 958456

Ion Ratio Lower Upper

117 100

82 49.7 42.0 63.0

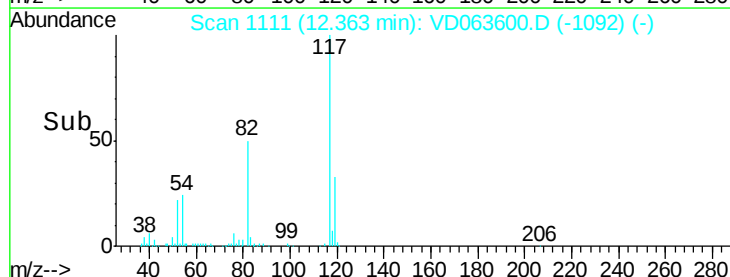
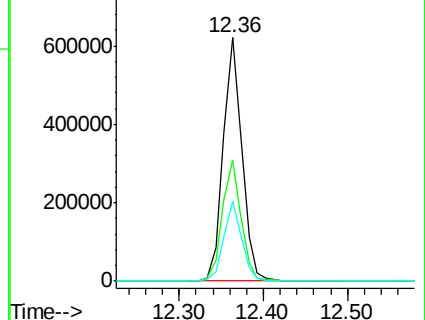
119 32.7 25.4 38.0

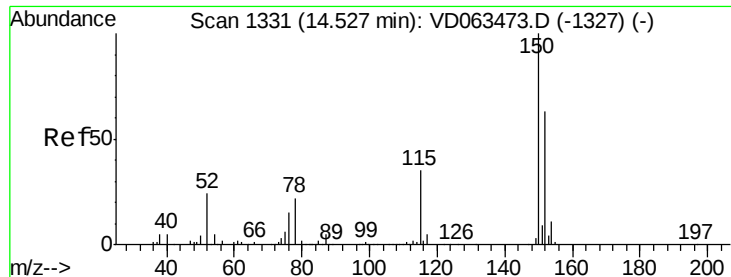


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063600.D

Acq: 15 Aug 2019 4:54

Instrument :

MSVOA_D

ClientSampleId :

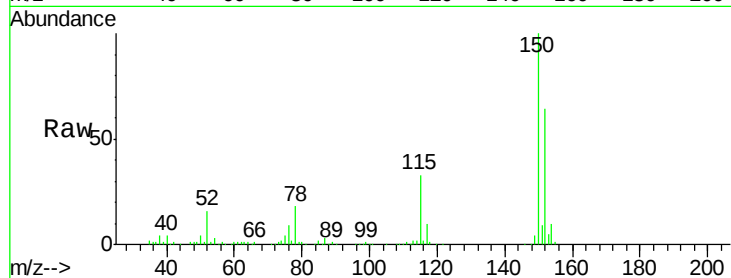
Tot Ion:152 Resp: 309483

Ion Ratio Lower Upper

152 100

115 51.8 30.9 92.7

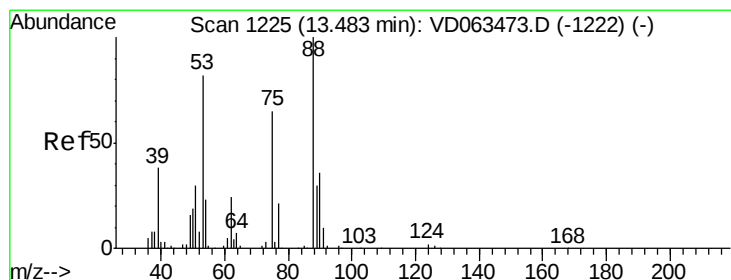
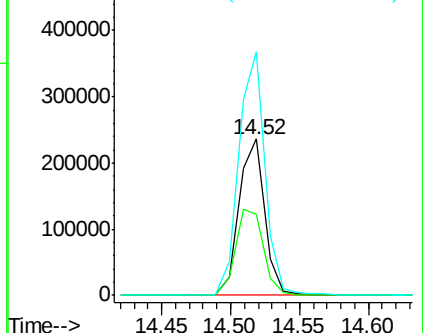
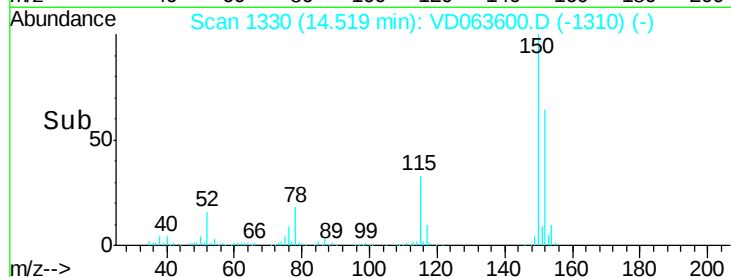
150 155.7 0.0 318.6



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: 152.850 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063600.D

Acq: 15 Aug 2019 4:54

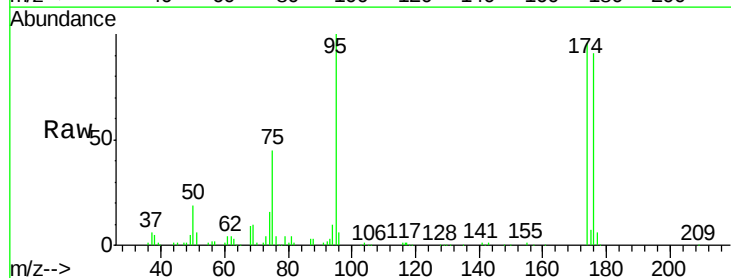
Tgt Ion: 75 Resp: 145917

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

