

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062350.D
 Acq On : 14 May 2019 16:57
 Operator : FY/SY
 Sample : K2756-21
 Misc : 5.99g/5mL/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 02:00:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

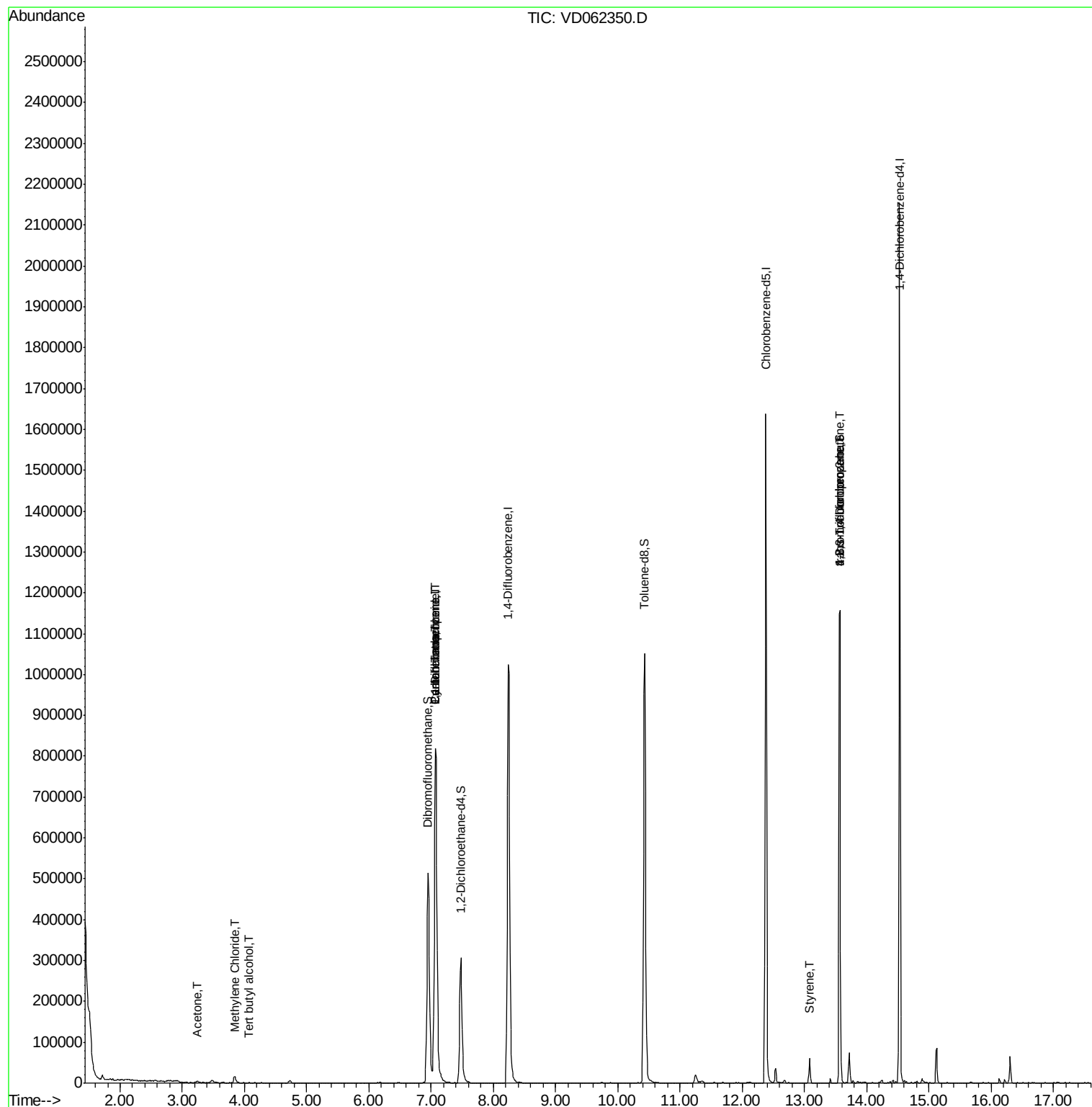
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	800375	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	1149728	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	860109	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	435809	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	353060	47.47	ug/l	0.05
Spiked Amount 50.000			Recovery	=	94.94%	
35) Dibromofluoromethane	6.95	113	449810	47.15	ug/l	0.05
Spiked Amount 50.000			Recovery	=	94.30%	
50) Toluene-d8	10.43	98	891382	38.76	ug/l	0.03
Spiked Amount 50.000			Recovery	=	77.52%	
62) 4-Bromofluorobenzene	13.56	95	370111	40.07	ug/l	0.02
Spiked Amount 50.000			Recovery	=	80.14%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.08	59	453	1.193	ug/l #	76
16) Acetone	3.25	43	7112	4.559	ug/l #	50
20) Methylene Chloride	3.85	84	11168	1.715	ug/l	93
31) Cyclohexane	7.07	56	17269	2.213	ug/l #	10
36) 1,1-Dichloropropene	7.07	75	62636	6.645	ug/l #	48
38) Carbon Tetrachloride	7.07	117	83931	6.433	ug/l #	15
70) Styrene	13.08	104	24123	1.570	ug/l #	81
76) 1,2,3-Trichloropropane	13.56	75	157238	30.359	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	158619	108.485	ug/l #	16

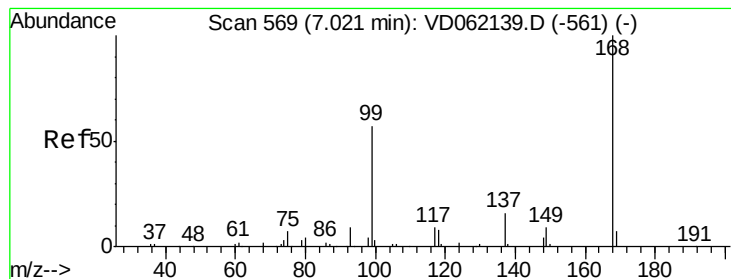
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051419\
Data File : VD062350.D
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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD062350.D

Acq: 14 May 2019 16:57

Instrument :

MSVOA_D

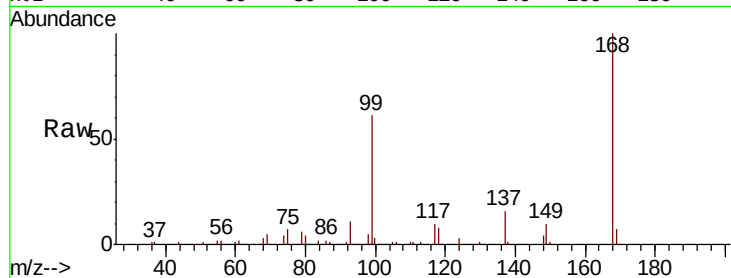
ClientSampleId :

Tot Ion:168 Resp: 800375

Ion Ratio Lower Upper

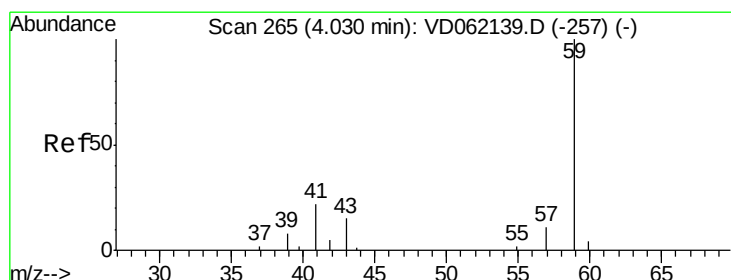
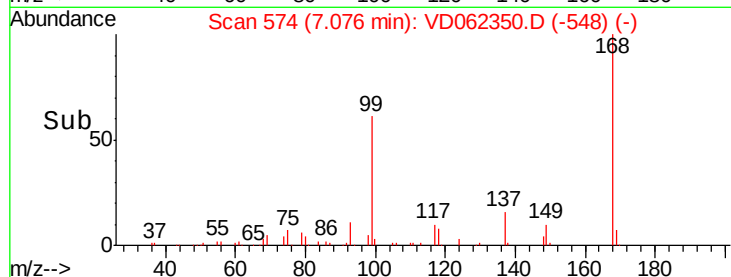
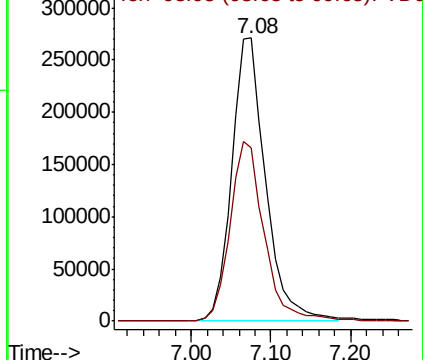
168 100

99 61.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.193 ug/l

RT: 4.08 min Scan# 270

Delta R.T. 0.05 min

Lab File: VD062350.D

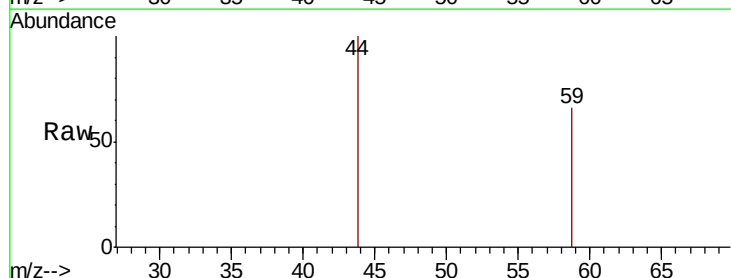
Acq: 14 May 2019 16:57

Tgt Ion: 59 Resp: 453

Ion Ratio Lower Upper

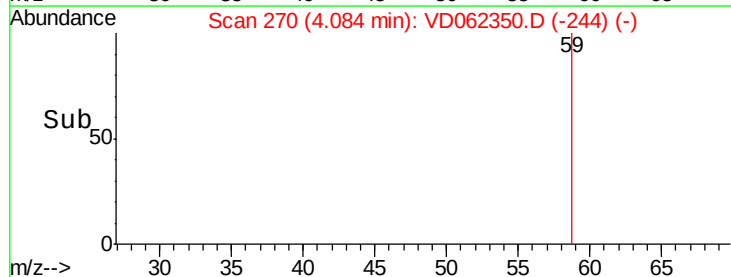
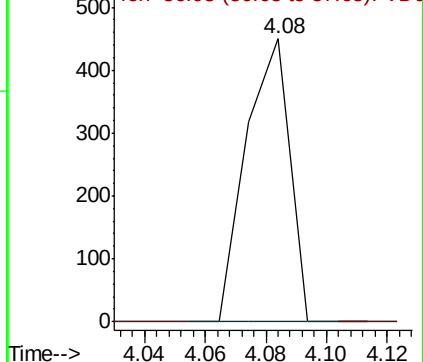
59 100

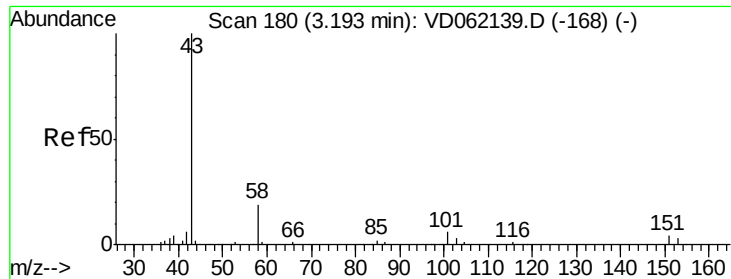
57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 4.559 ug/l

RT: 3.25 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD062350.D

Acq: 14 May 2019 16:57

Instrument :

MSVOA_D

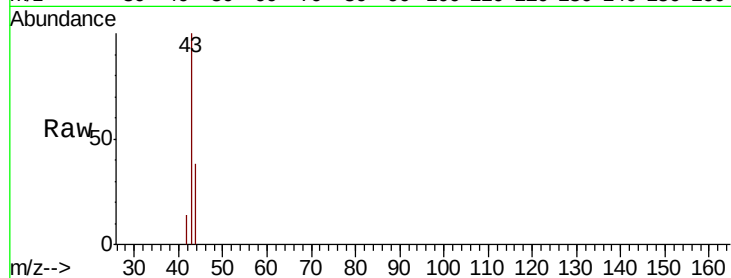
ClientSampleId :

Tot Ion: 43 Resp: 7112

Ion Ratio Lower Upper

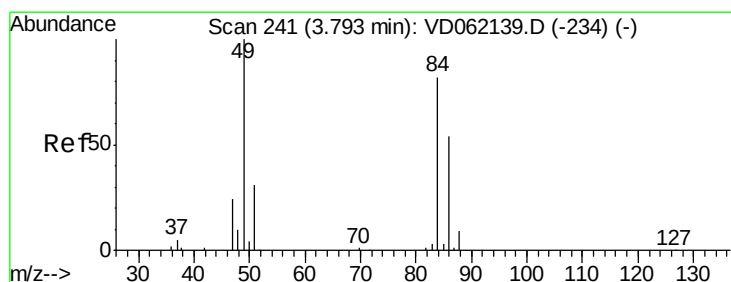
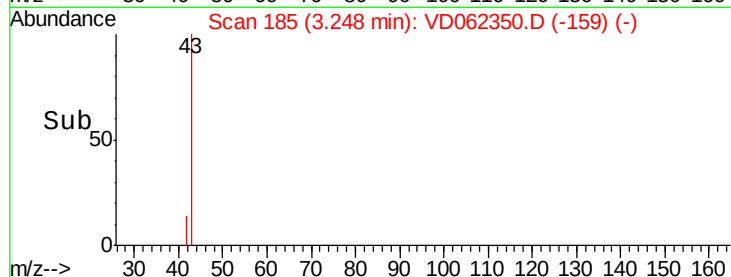
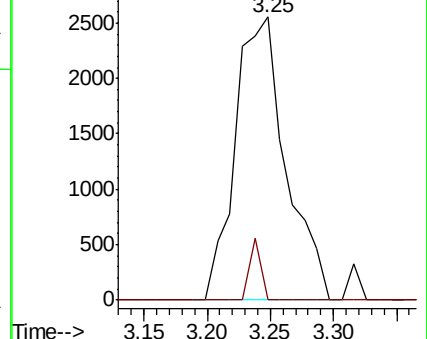
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.715 ug/l

RT: 3.85 min Scan# 246

Delta R.T. 0.05 min

Lab File: VD062350.D

Acq: 14 May 2019 16:57

Tgt Ion: 84 Resp: 11168

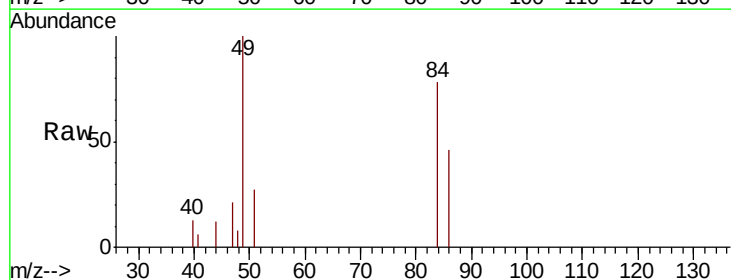
Ion Ratio Lower Upper

84 100

49 128.5 94.0 141.0

51 35.3 29.0 43.4

86 59.6 49.8 74.6

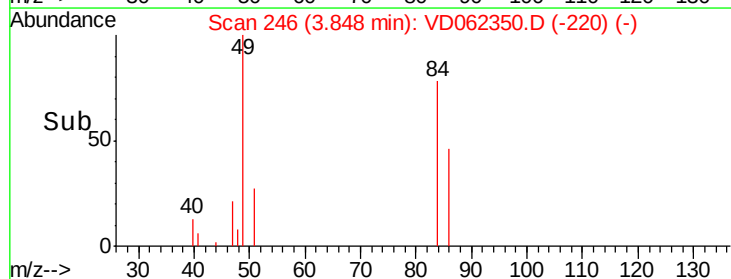
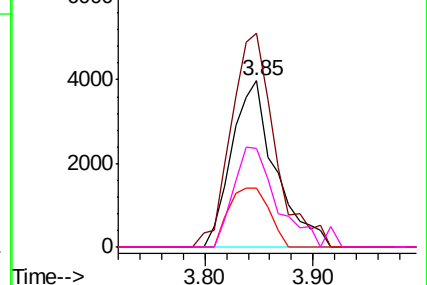


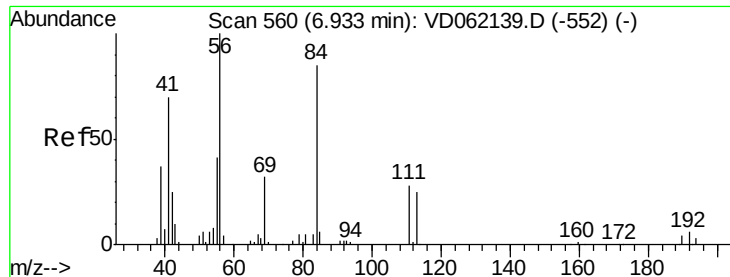
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

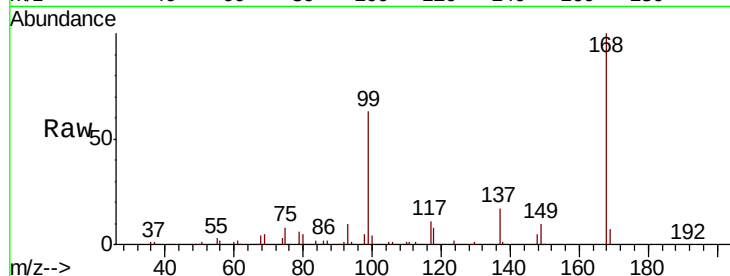




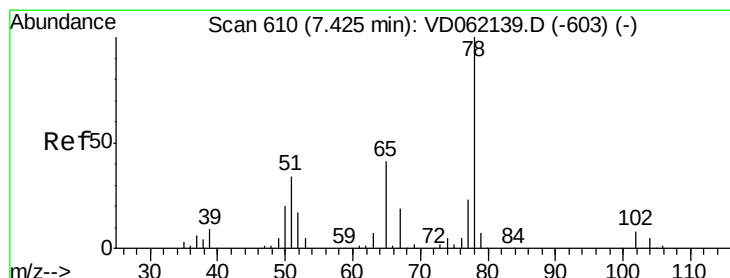
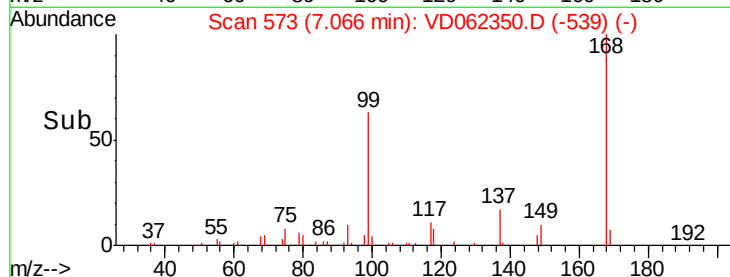
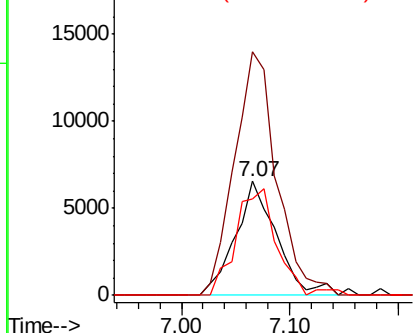
#31
Cyclohexane
Concen: 2.213 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.13 min
Lab File: VD062350.D
Acq: 14 May 2019 16:57

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 56 Resp: 17269
Ion Ratio Lower Upper
56 100
69 213.8 25.8 38.6#
84 84.9 72.2 108.4

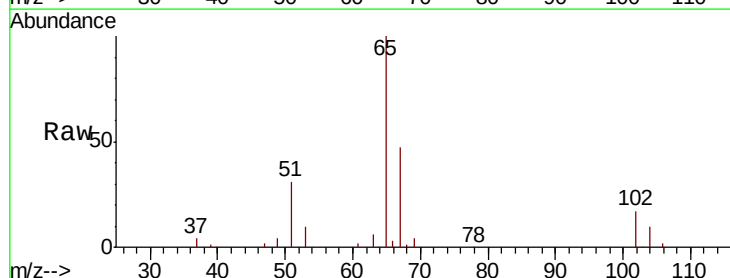


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

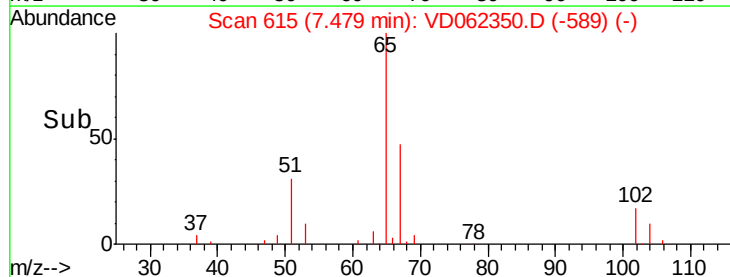
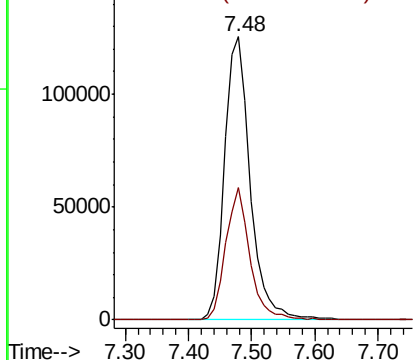


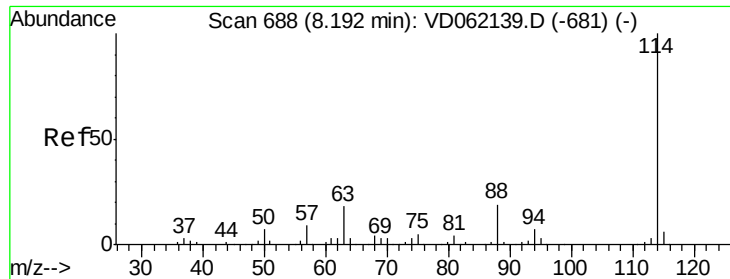
#33
1,2-Dichloroethane-d4
Concen: 47.467 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.05 min
Lab File: VD062350.D
Acq: 14 May 2019 16:57

Tgt Ion: 65 Resp: 353060
Ion Ratio Lower Upper
65 100
67 46.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

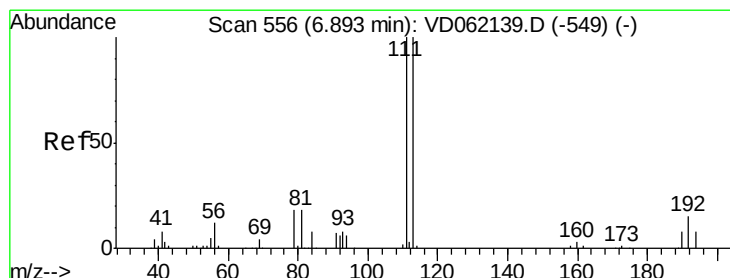
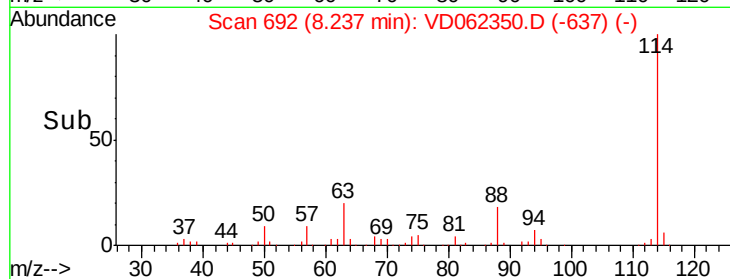
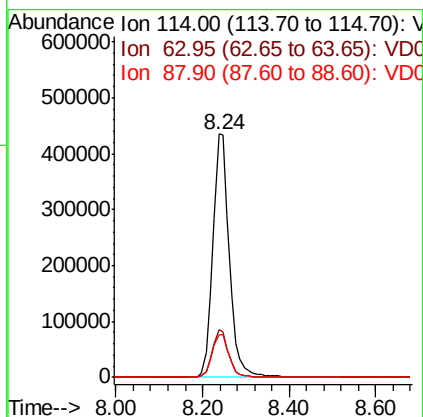
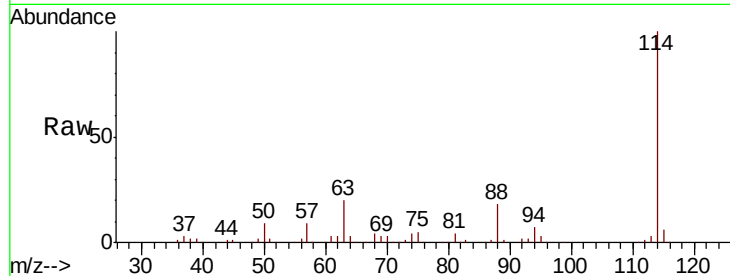




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062350.D
 Acq: 14 May 2019 16:57

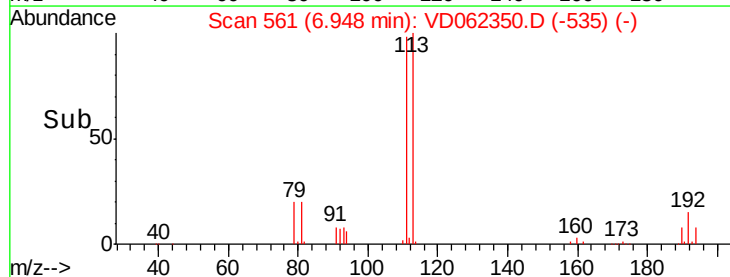
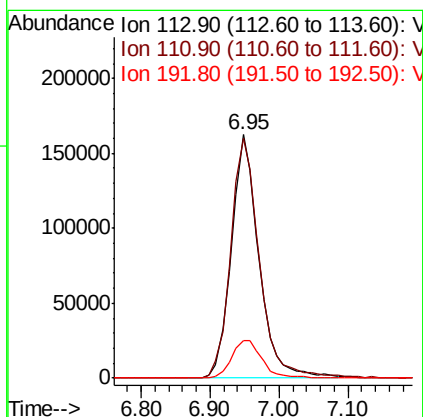
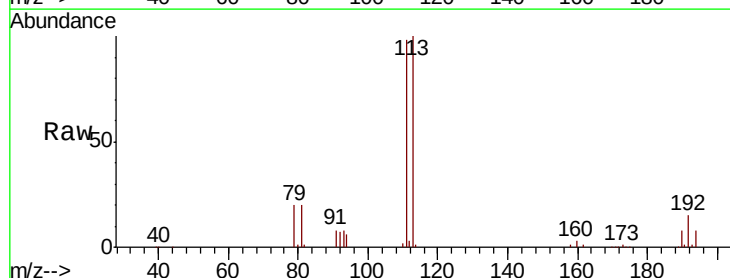
Instrument :
 MSVOA_D
 ClientSampled :

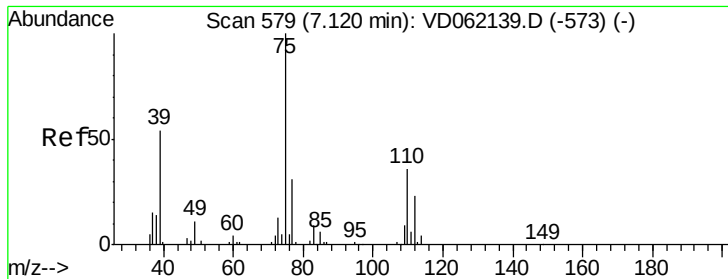
Tot Ion:114 Resp: 1149728
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 32.4
 88 17.6 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 47.153 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.05 min
 Lab File: VD062350.D
 Acq: 14 May 2019 16:57

Tgt Ion:113 Resp: 449810
 Ion Ratio Lower Upper
 113 100
 111 98.5 78.5 117.7
 192 15.4 13.0 19.4

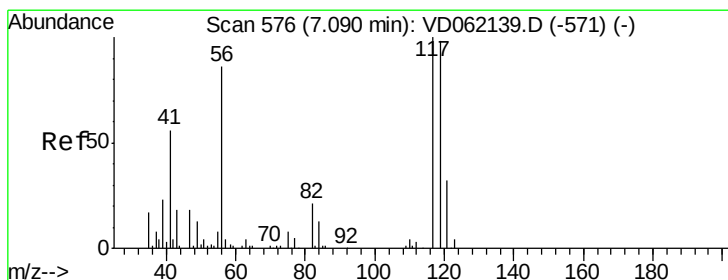
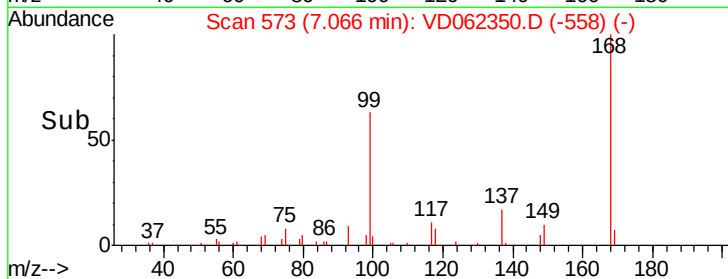
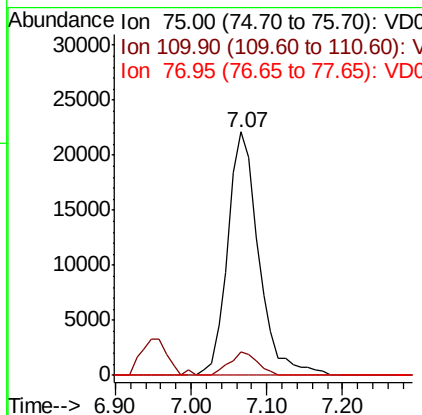
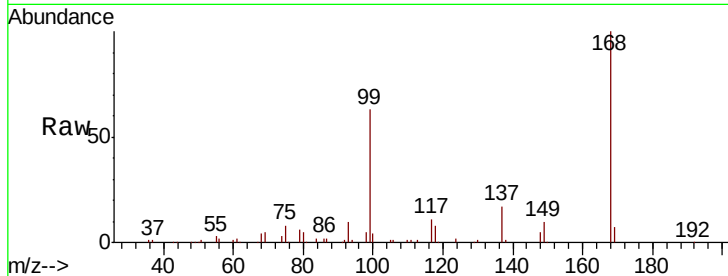




#36
 1,1-Dichloropropene
 Concen: 6.645 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD062350.D
 Acq: 14 May 2019 16:57

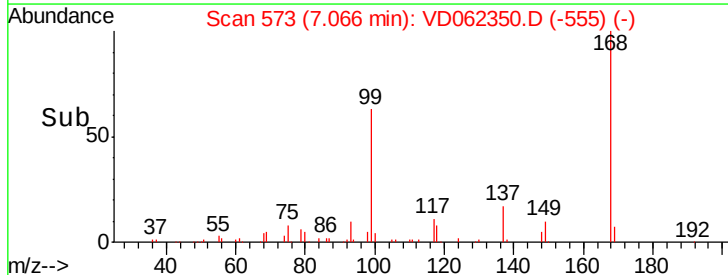
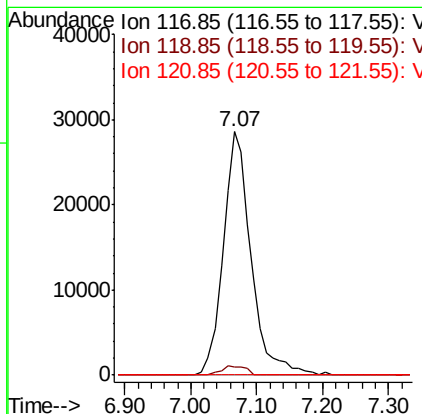
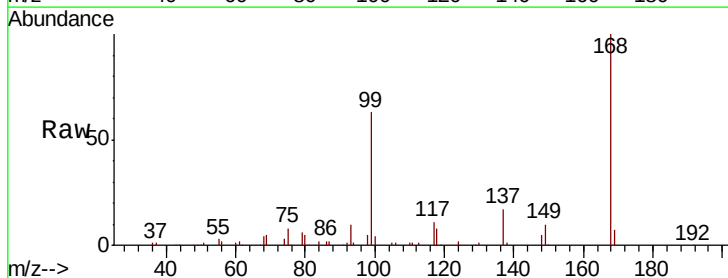
Instrument :
 MSVOA_D
 ClientSampled :

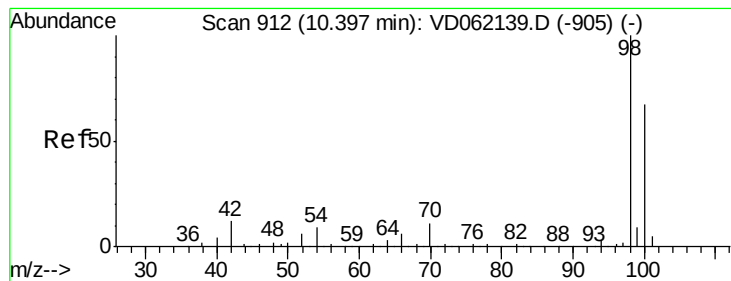
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.433 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.02 min
 Lab File: VD062350.D
 Acq: 14 May 2019 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.5	75.8	113.8#
121	0.0	25.9	38.9#





#50

Toluene-d8

Concen: 38.755 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD062350.D

Acq: 14 May 2019 16:57

Instrument :

MSVOA_D

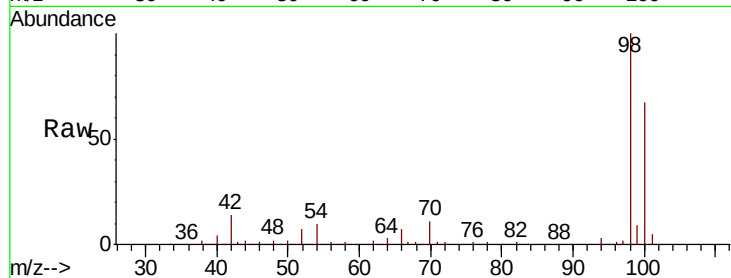
ClientSampled :

Tot Ion: 98 Resp: 891382

Ion Ratio Lower Upper

98 100

100 66.6 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

10.43

400000

300000

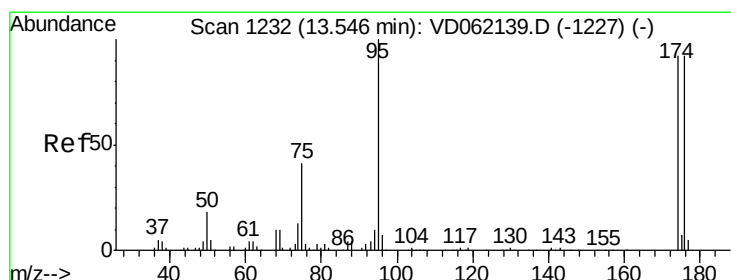
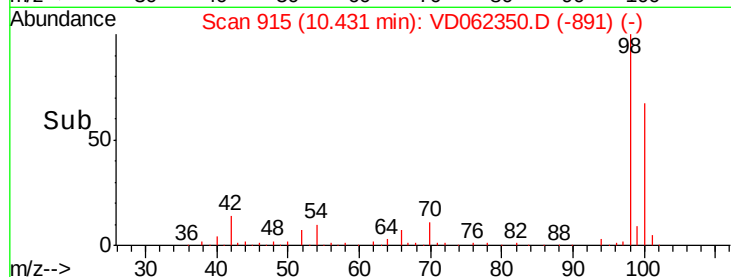
200000

100000

0

10.40 10.60

Time-->



#62

4-Bromofluorobenzene

Concen: 40.072 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD062350.D

Acq: 14 May 2019 16:57

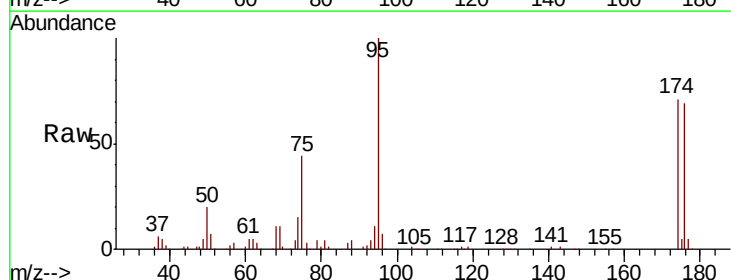
Tgt Ion: 95 Resp: 370111

Ion Ratio Lower Upper

95 100

174 71.2 0.0 181.8

176 69.4 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

13.56

300000

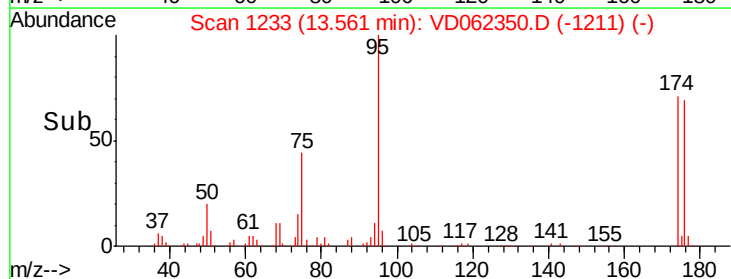
200000

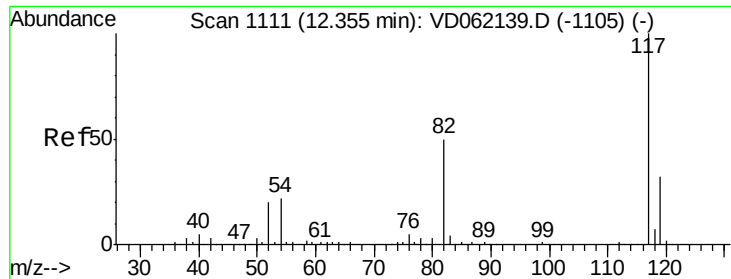
100000

0

13.50 13.60 13.70

Time-->

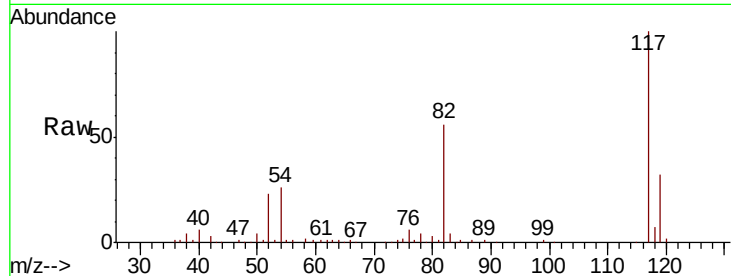




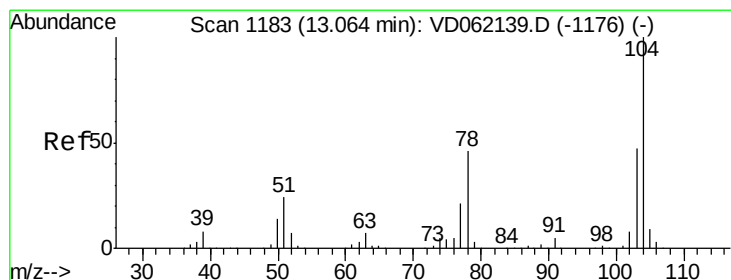
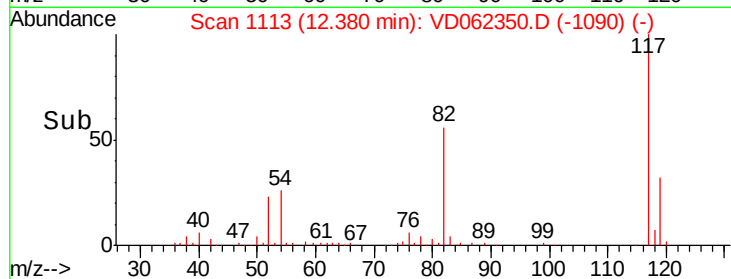
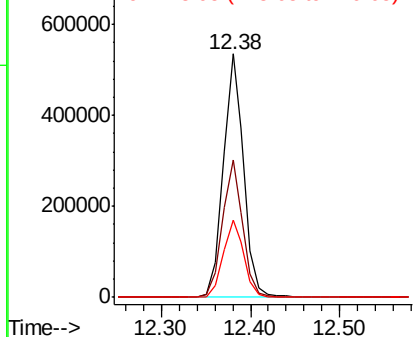
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062350.D
Acq: 14 May 2019 16:57

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 860109
Ion Ratio Lower Upper
117 100
82 56.5 36.2 54.2#
119 31.9 26.2 39.4

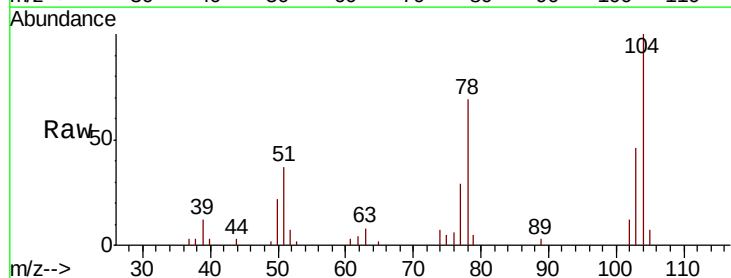


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

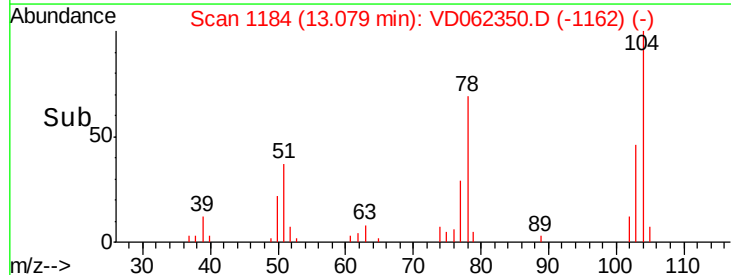
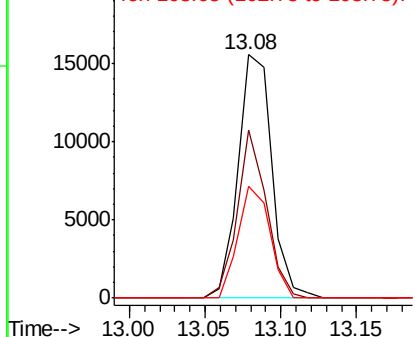


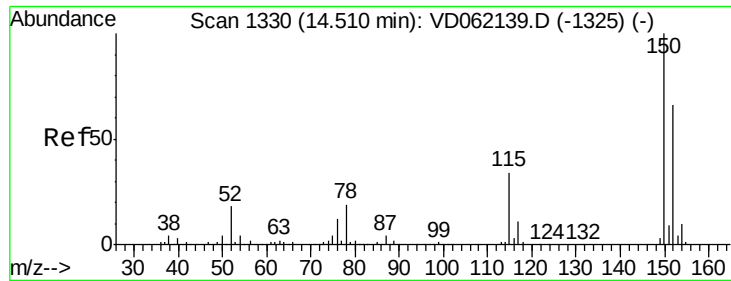
#70
Styrene
Concen: 1.570 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.02 min
Lab File: VD062350.D
Acq: 14 May 2019 16:57

Tgt Ion:104 Resp: 24123
Ion Ratio Lower Upper
104 100
78 69.0 35.4 53.2#
103 46.0 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.02 min

Lab File: VD062350.D

Acq: 14 May 2019 16:57

Instrument :

MSVOA_D

ClientSampleId :

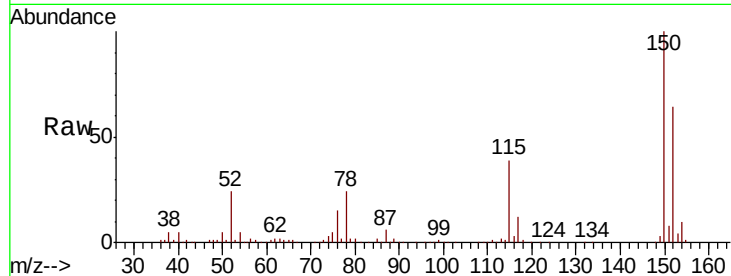
Tot Ion:152 Resp: 435809

Ion Ratio Lower Upper

152 100

115 61.2 30.9 92.7

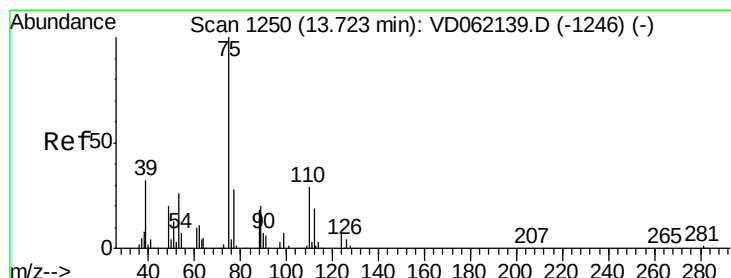
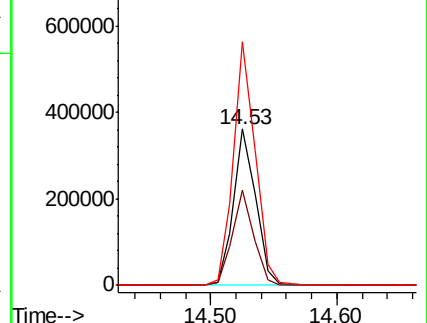
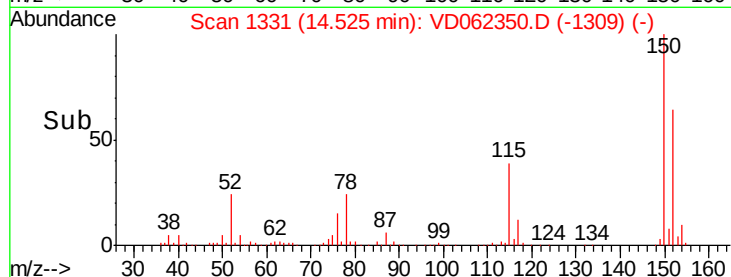
150 155.6 0.0 314.8



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



#76

1,2,3-Trichloropropane

Concen: 30.359 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062350.D

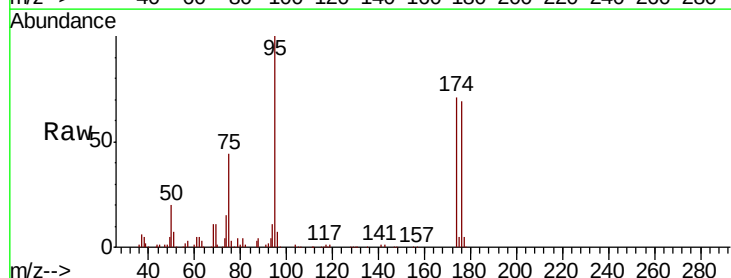
Acq: 14 May 2019 16:57

Tgt Ion: 75 Resp: 157238

Ion Ratio Lower Upper

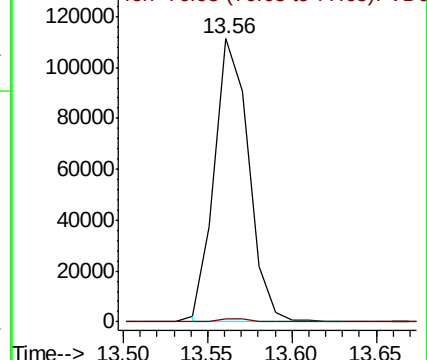
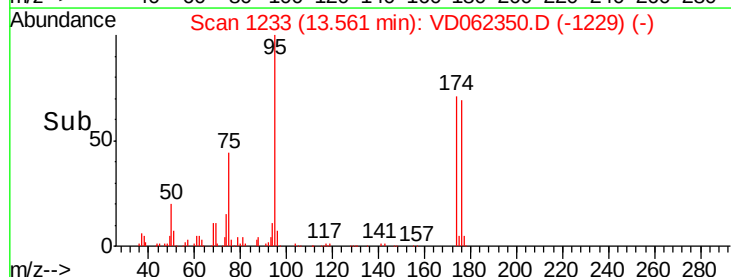
75 100

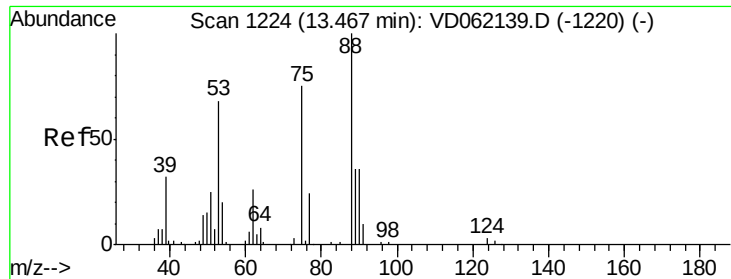
77 1.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 108.485 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062350.D

Acq: 14 May 2019 16:57

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 158619

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

