

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052119\
 Data File : VD062492.D
 Acq On : 21 May 2019 20:13
 Operator : VA/AP
 Sample : K2971-01RE
 Misc : 5.79g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 22 01:46:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	573261	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	795467	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	598555	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	331738	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	183132	29.84	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	59.68%	
35) Dibromofluoromethane	6.92	113	238694	33.26	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	66.52%	
50) Toluene-d8	10.40	98	464352	29.57	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	59.14%	
62) 4-Bromofluorobenzene	13.55	95	216081	31.46	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	62.92%	

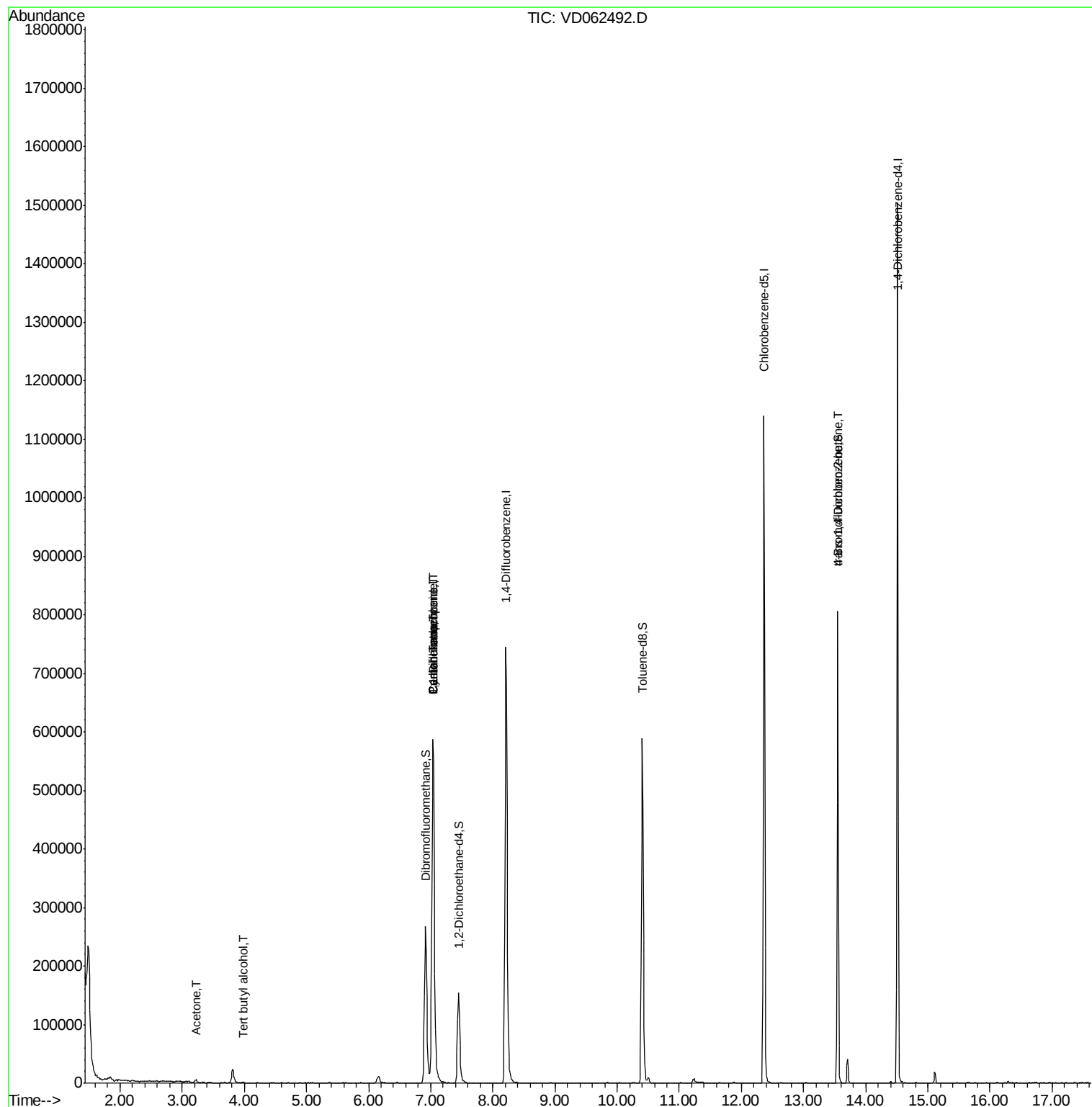
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	200	Below Cal	#	42
11) Tert butyl alcohol	4.00	59	628	2.217	ug/l #	76
16) Acetone	3.23	43	12262	11.151	ug/l #	88
20) Methylene Chloride	3.81	84	15271	Below Cal		95
31) Cyclohexane	7.04	56	11876	2.050	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	45245	5.949	ug/l #	46
38) Carbon Tetrachloride	7.04	117	59693	5.281	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	97357	88.344	ug/l #	16

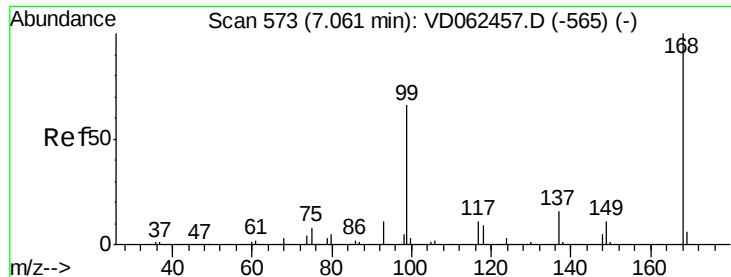
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 03:32:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062492.D

Acq: 21 May 2019 20:13

Instrument :

MSVOA_D

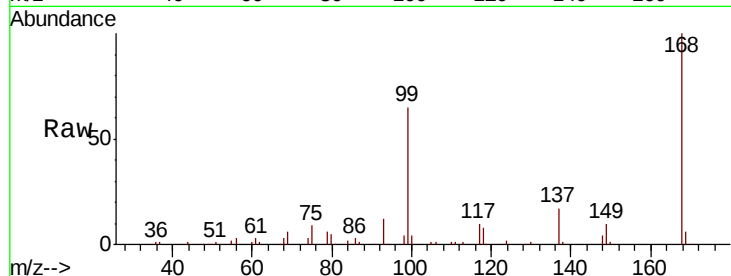
ClientSampled :

Tot Ion:168 Resp: 573261

Ion Ratio Lower Upper

168 100

99 64.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

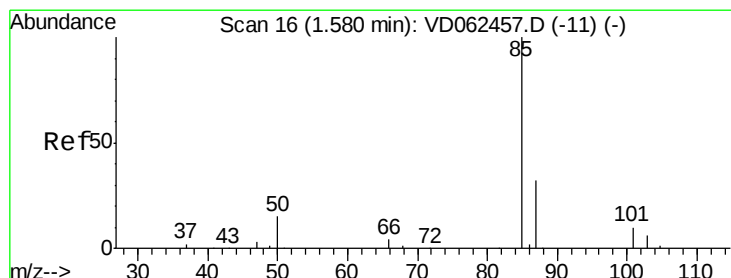
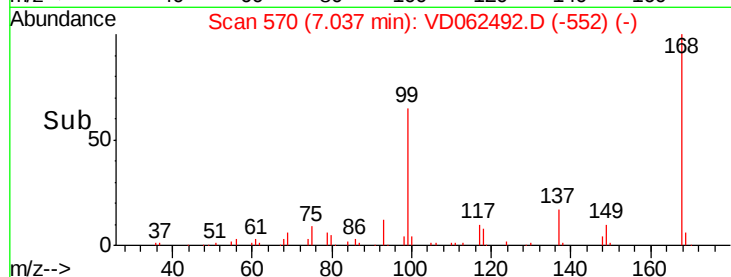
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD062492.D

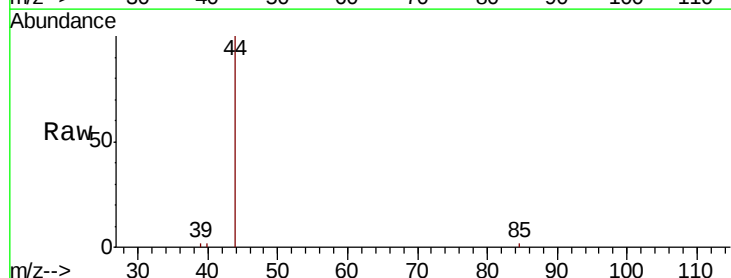
Acq: 21 May 2019 20:13

Tgt Ion: 85 Resp: 200

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

400

300

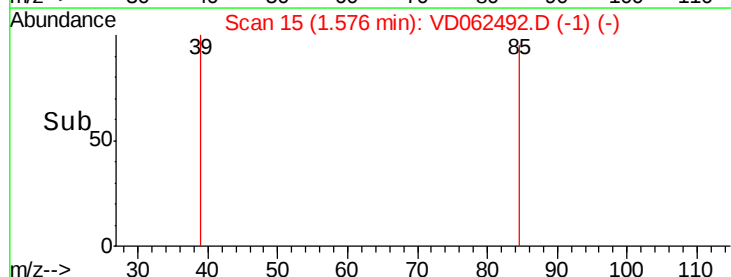
200

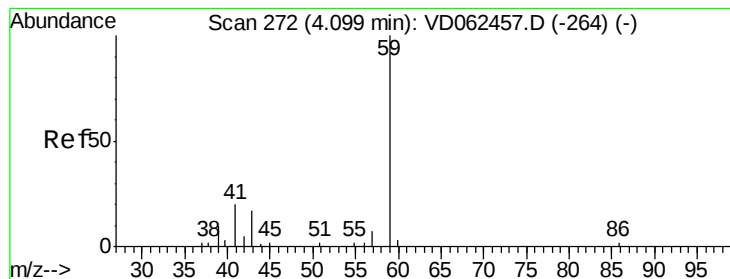
100

0

1.54 1.56 1.58 1.60

Time-->



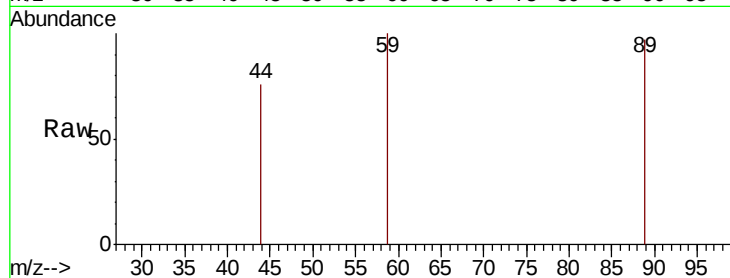


#11

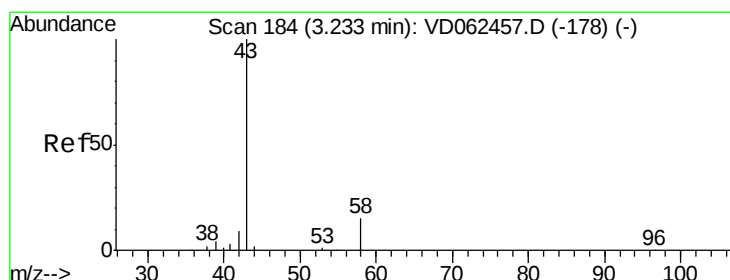
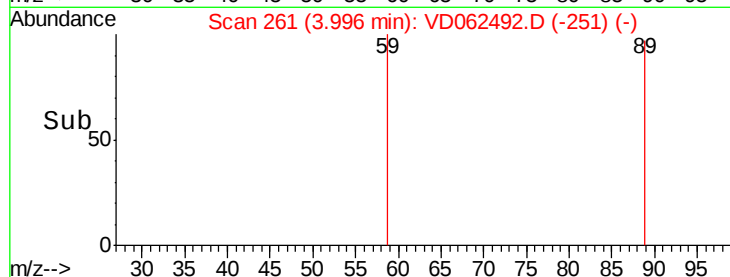
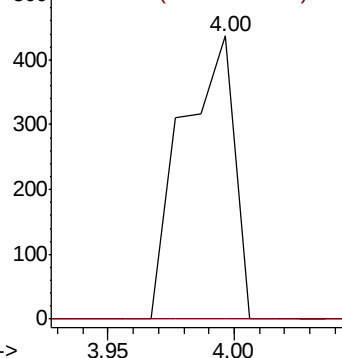
Tert butyl alcohol
 Concen: 2.217 ug/l
 RT: 4.00 min Scan# 261
 Delta R.T. -0.10 min
 Lab File: VD062492.D
 Acq: 21 May 2019 20:13

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 628
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#



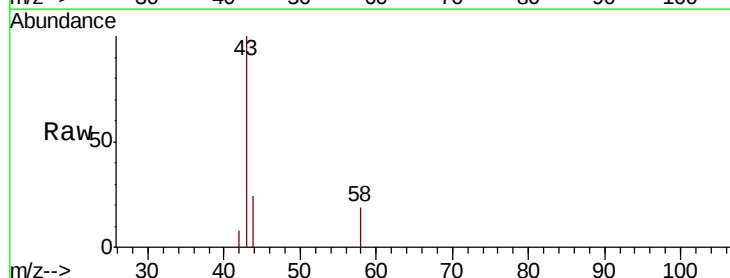
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



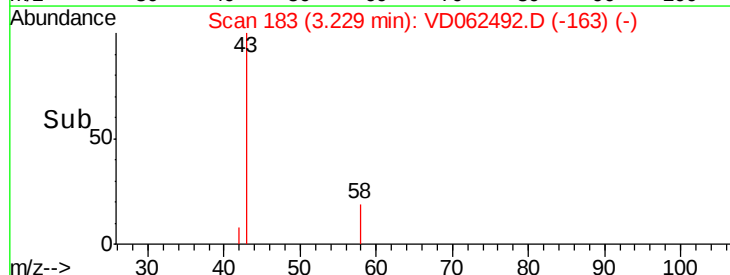
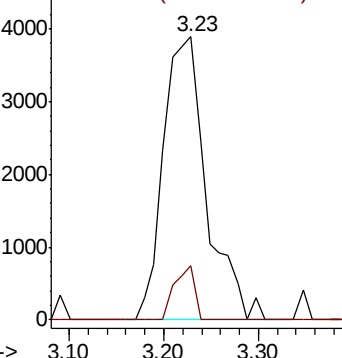
#16

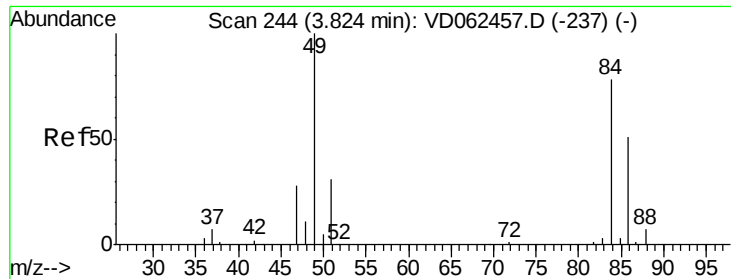
Acetone
 Concen: 11.151 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. -0.00 min
 Lab File: VD062492.D
 Acq: 21 May 2019 20:13

Tgt Ion: 43 Resp: 12262
 Ion Ratio Lower Upper
 43 100
 58 18.9 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 57.95 (57.65 to 58.65): VDC

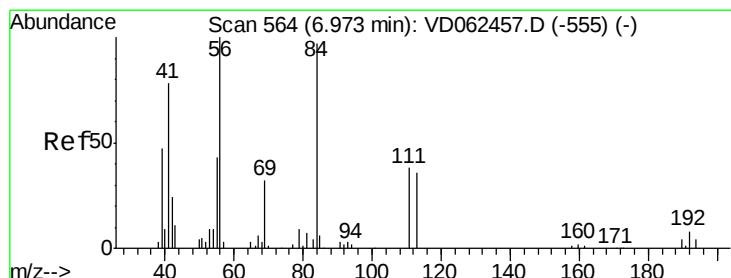
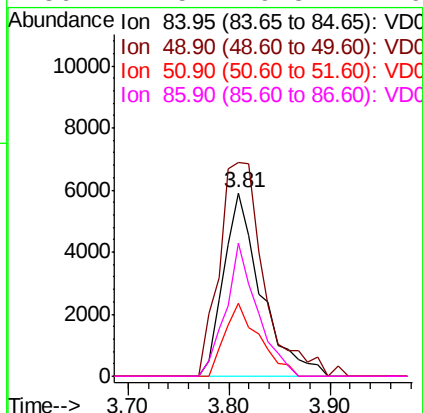
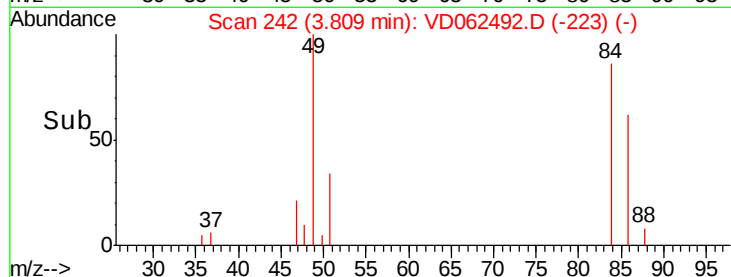
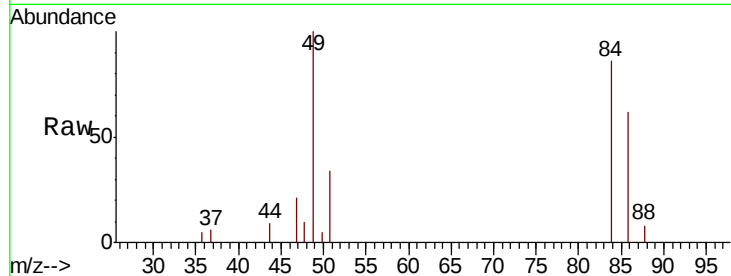




#20
Methvlene Chloride
Concen: Below Cal
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD062492.D
Acq: 21 May 2019 20:13

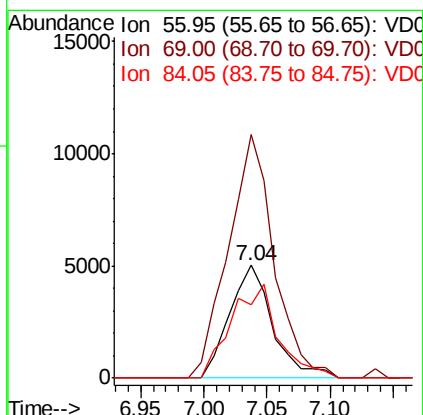
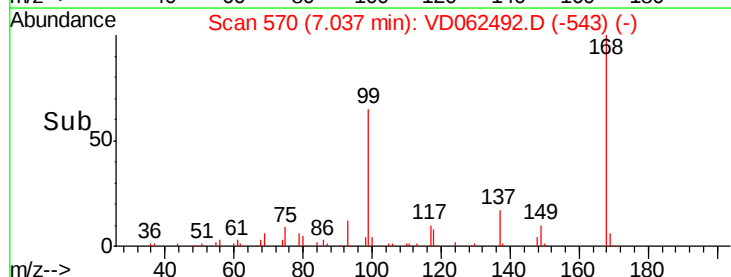
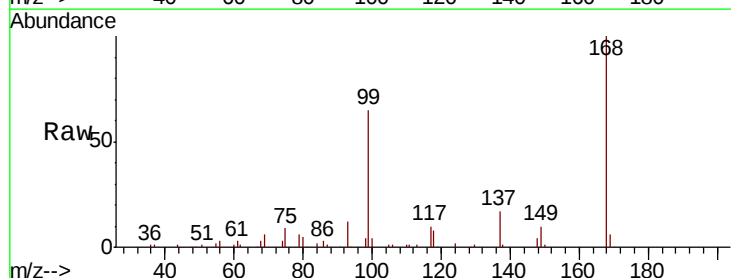
Instrument :
MSVOA_D
ClientSampled :

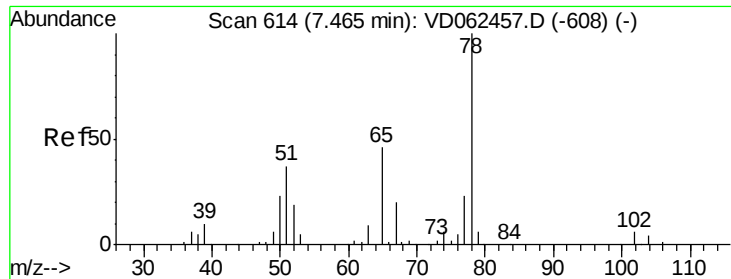
Tot Ion: 84 Resp: 15271
Ion Ratio Lower Upper
84 100
49 116.5 94.0 141.0
51 39.8 29.0 43.4
86 72.5 49.8 74.6



#31
Cyclohexane
Concen: 2.050 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.06 min
Lab File: VD062492.D
Acq: 21 May 2019 20:13

Tgt Ion: 56 Resp: 11876
Ion Ratio Lower Upper
56 100
69 216.5 25.8 38.6#
84 64.8 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: 29.844 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062492.D

Acq: 21 May 2019 20:13

Instrument :

MSVOA_D

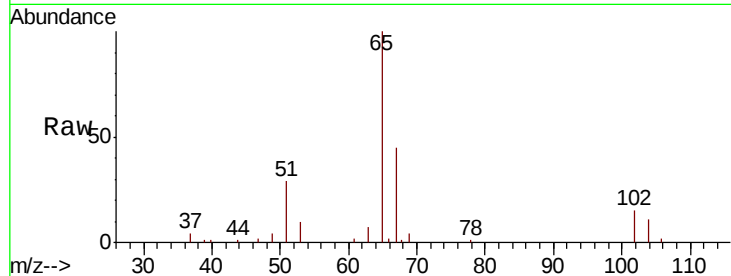
ClientSampleId :

Tot Ion: 65 Resp: 183132

Ion Ratio Lower Upper

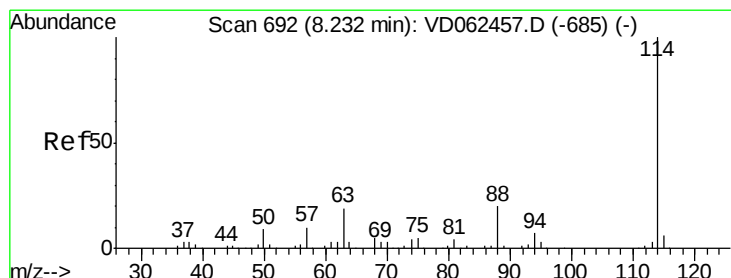
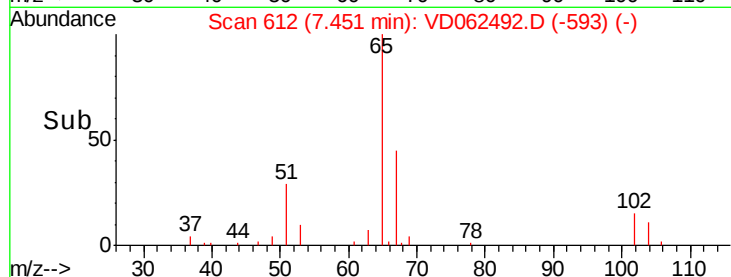
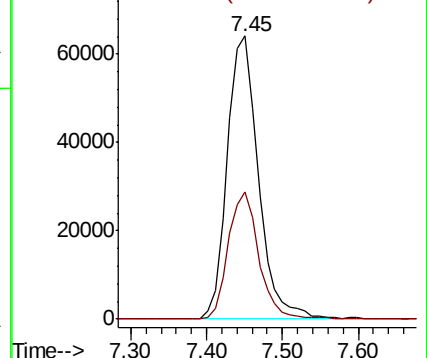
65 100

67 44.9 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: 8.21 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD062492.D

Acq: 21 May 2019 20:13

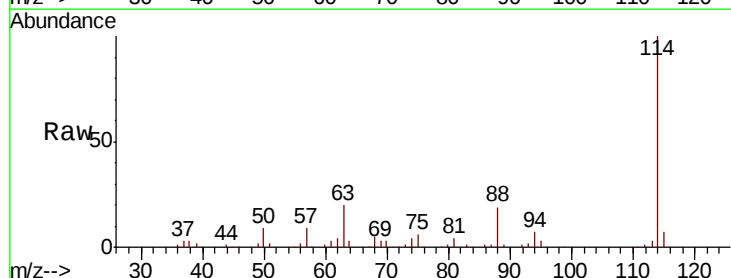
Tgt Ion: 114 Resp: 795467

Ion Ratio Lower Upper

114 100

63 20.3 0.0 32.4

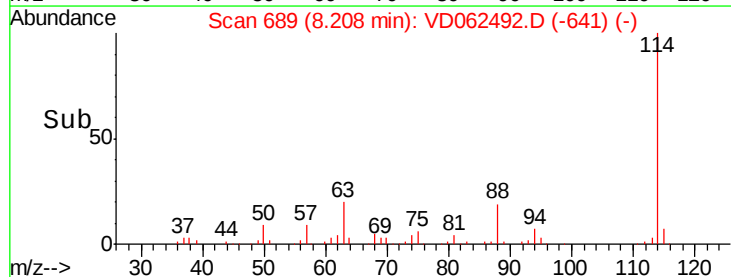
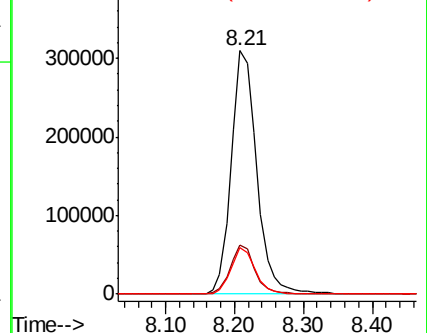
88 18.9 0.0 33.6

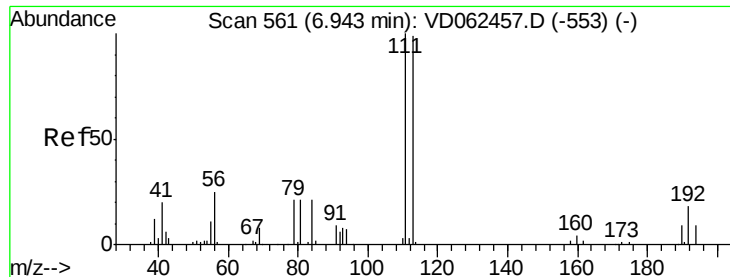


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

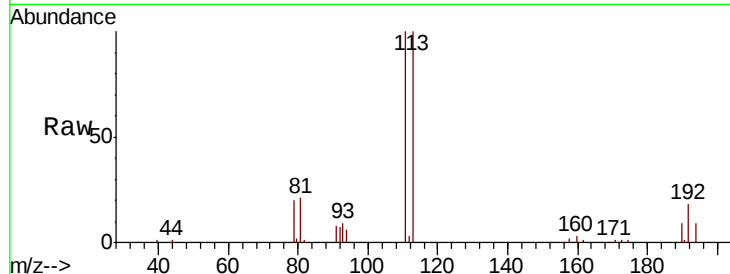




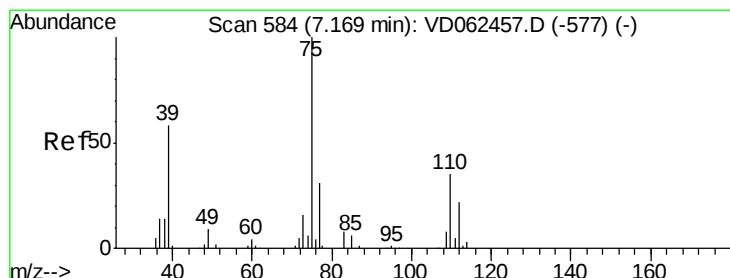
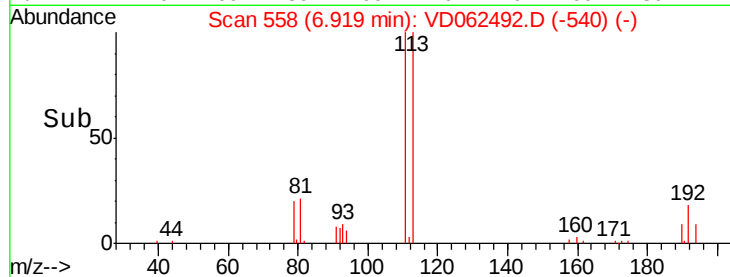
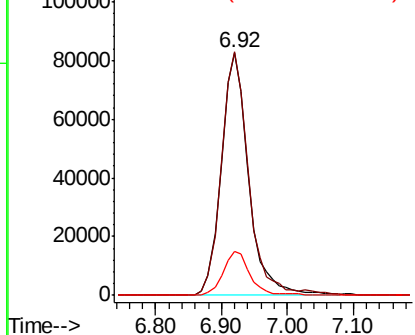
#35
 Dibromofluoromethane
 Concen: 33.262 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD062492.D
 Acq: 21 May 2019 20:13

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 238694
 Ion Ratio Lower Upper
 113 100
 111 100.3 78.5 117.7
 192 18.2 13.0 19.4

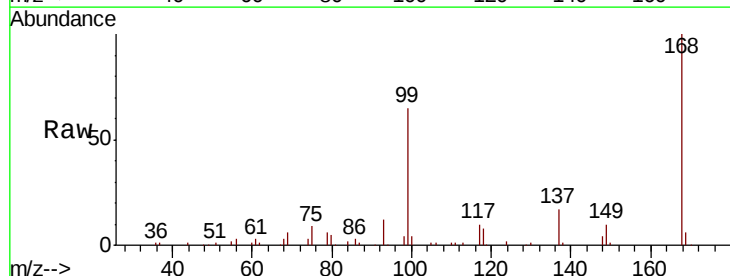


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

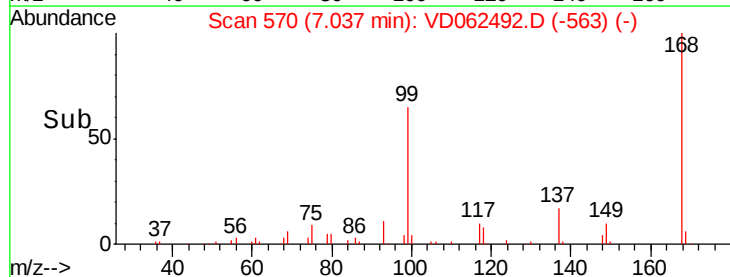
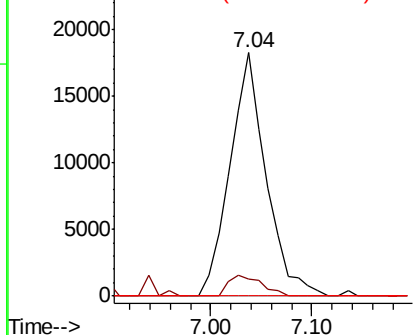


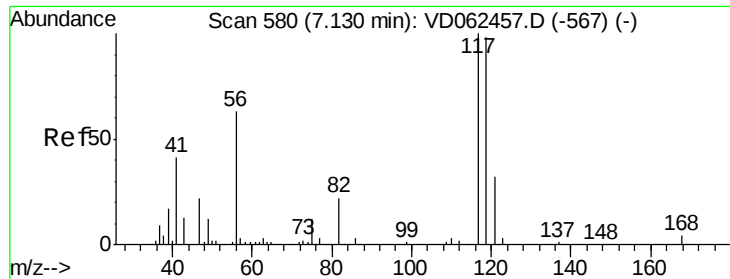
#36
 1,1-Dichloropropene
 Concen: 5.949 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD062492.D
 Acq: 21 May 2019 20:13

Tgt Ion: 75 Resp: 45245
 Ion Ratio Lower Upper
 75 100
 110 7.0 19.1 57.1#
 77 0.0 25.6 38.4#



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

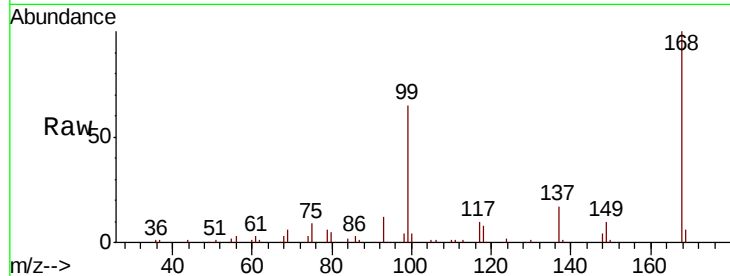




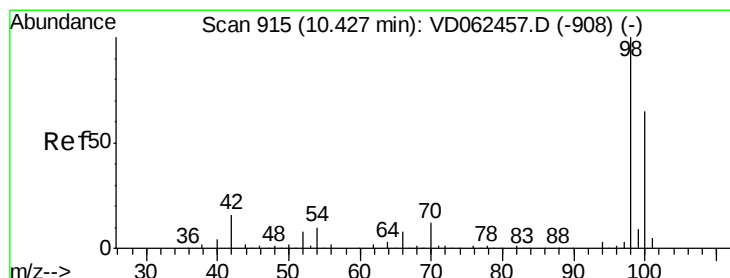
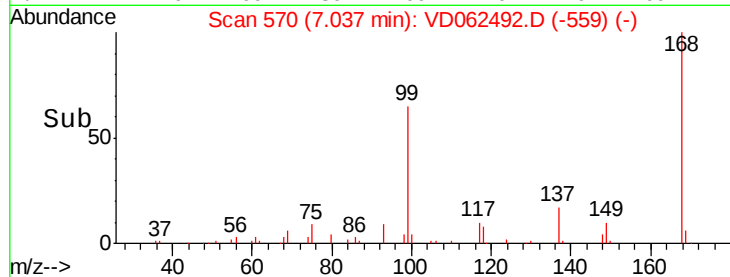
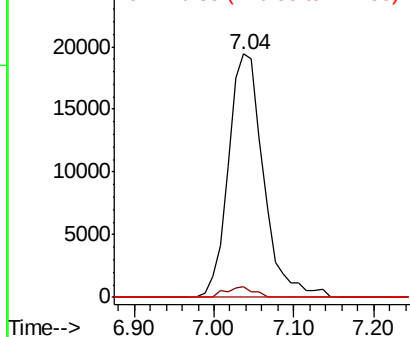
#38
Carbon Tetrachloride
Concen: 5.281 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.09 min
Lab File: VD062492.D
Acq: 21 May 2019 20:13

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 59693
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 25.9 38.9#

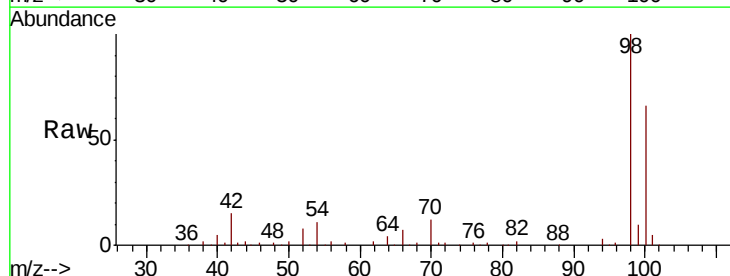


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

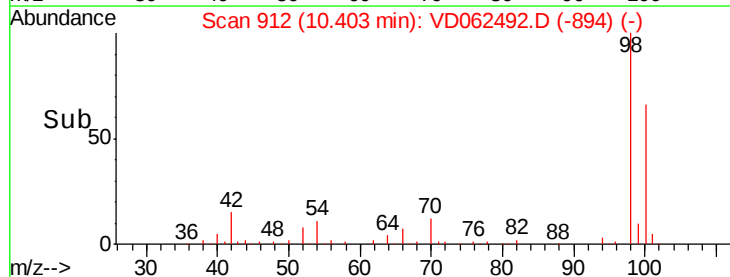
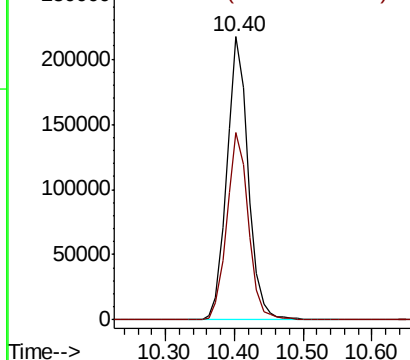


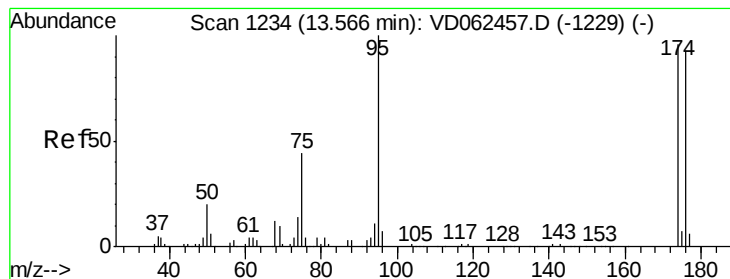
#50
Toluene-d8
Concen: 29.569 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD062492.D
Acq: 21 May 2019 20:13

Tgt Ion: 98 Resp: 464352
Ion Ratio Lower Upper
98 100
100 66.1 53.8 80.8



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





#62

4-Bromofluorobenzene

Concen: 31.455 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062492.D

Acq: 21 May 2019 20:13

Instrument :

MSVOA_D

ClientSampleId :

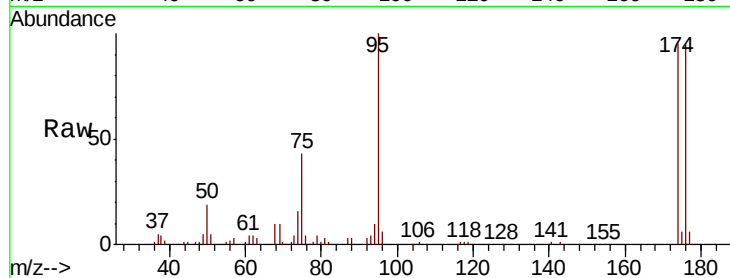
Tot Ion: 95 Resp: 216081

Ion Ratio Lower Upper

95 100

174 95.2 0.0 181.8

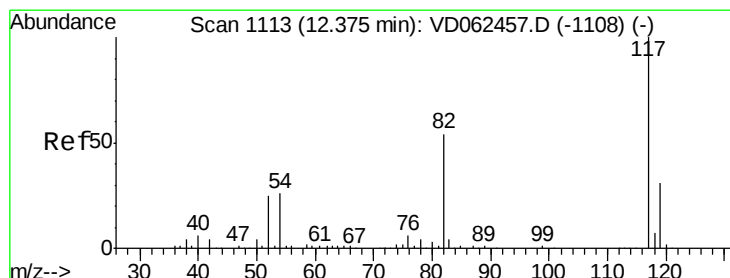
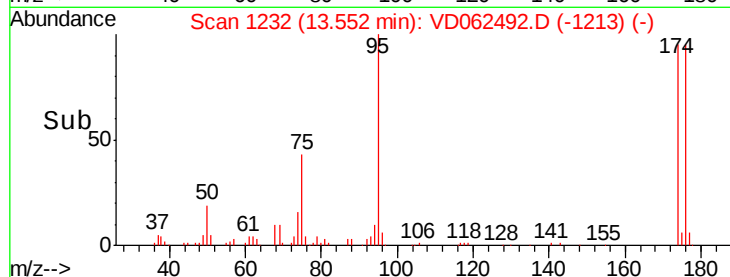
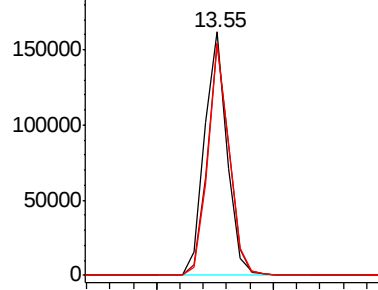
176 95.5 0.0 174.4



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. -0.01 min

Lab File: VD062492.D

Acq: 21 May 2019 20:13

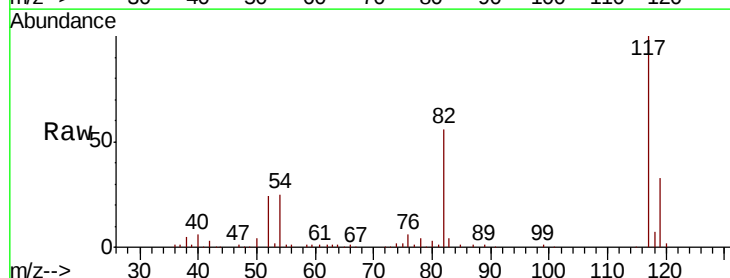
Tgt Ion: 117 Resp: 598555

Ion Ratio Lower Upper

117 100

82 55.5 36.2 54.2#

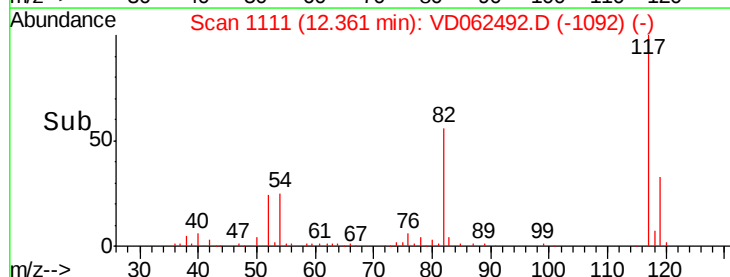
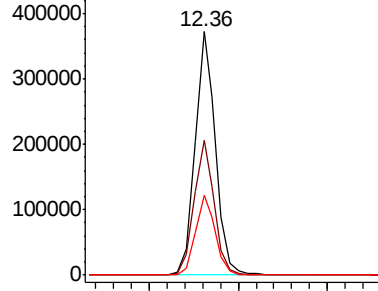
119 32.5 26.2 39.4

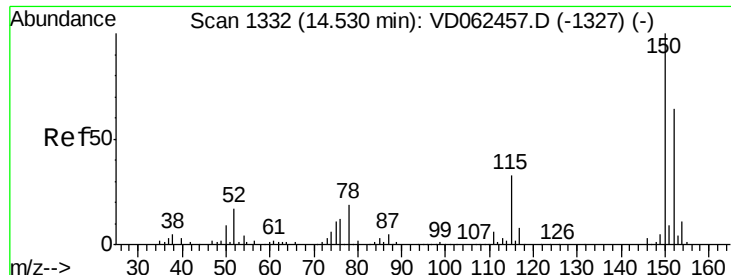


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062492.D

Acq: 21 May 2019 20:13

Instrument :

MSVOA_D

ClientSampled :

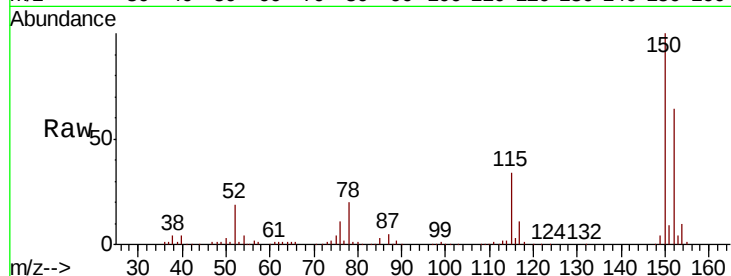
Tot Ion:152 Resp: 331738

Ion Ratio Lower Upper

152 100

115 52.7 30.9 92.7

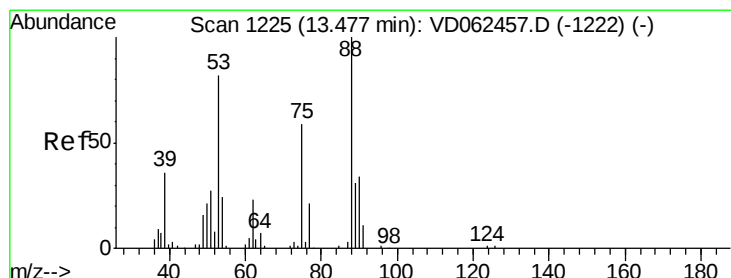
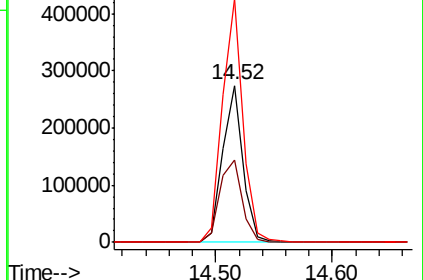
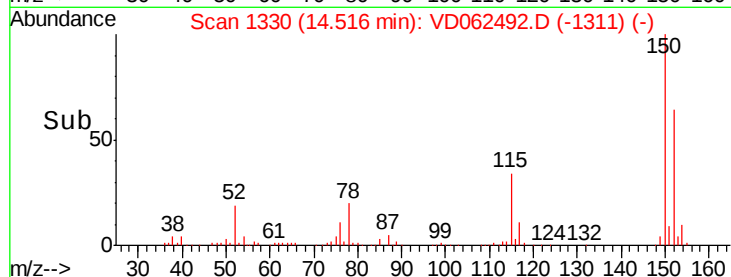
150 155.5 0.0 314.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 88.344 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062492.D

Acq: 21 May 2019 20:13

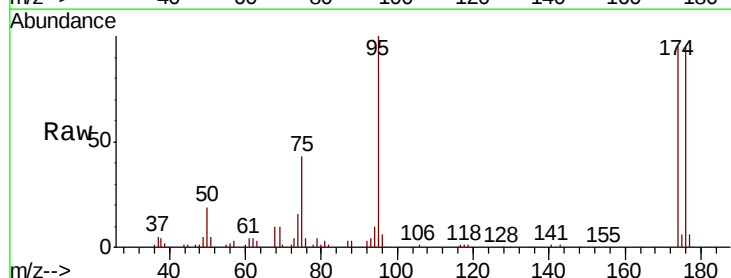
Tgt Ion: 75 Resp: 97357

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

