

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070219\
 Data File : VD063011.D
 Acq On : 2 Jul 2019 19:17
 Operator : VA/AP
 Sample : K3602-05
 Misc : 5.10g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 03 00:58:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

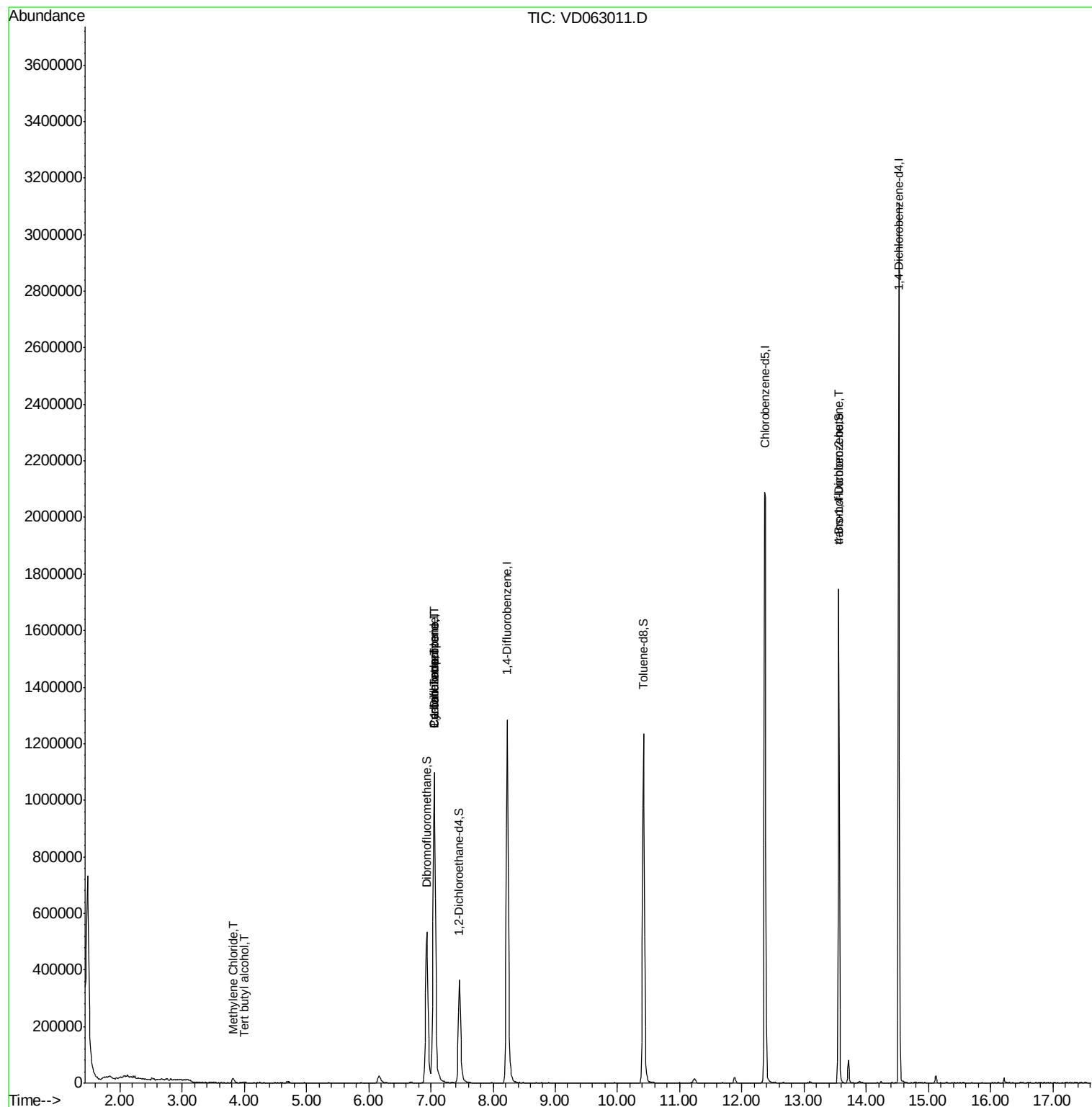
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1056639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1401938	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	1212833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	641846	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	434796	37.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.72%	
35) Dibromofluoromethane	6.93	113	486800	41.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.36%	
50) Toluene-d8	10.42	98	1003210	38.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.98%	
62) 4-Bromofluorobenzene	13.56	95	468127	40.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.04%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.01	59	3624	6.928	ug/l #	77
16) Acetone	3.22	43	3724	Below Cal	#	64
20) Methylene Chloride	3.81	84	10415	1.189	ug/l #	86
31) Cyclohexane	7.05	56	25285	2.344	ug/l #	15
36) 1,1-Dichloropropene	7.05	75	79886	6.019	ug/l #	59
37) Ethyl Acetate	6.16	43	2304	Below Cal	#	46
38) Carbon Tetrachloride	7.05	117	105873	5.304	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.56	75	218961	112.753	ug/l #	2

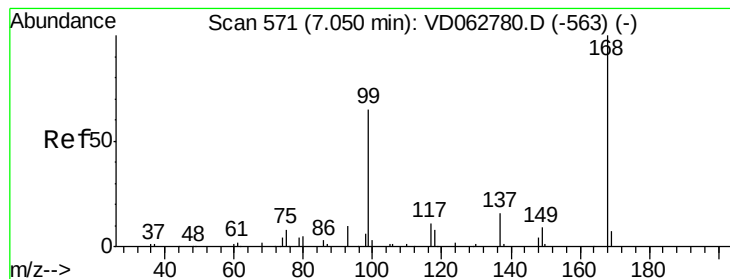
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jul 03 00:58:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD063011.D

Acq: 2 Jul 2019 19:17

Instrument :

MSVOA_D

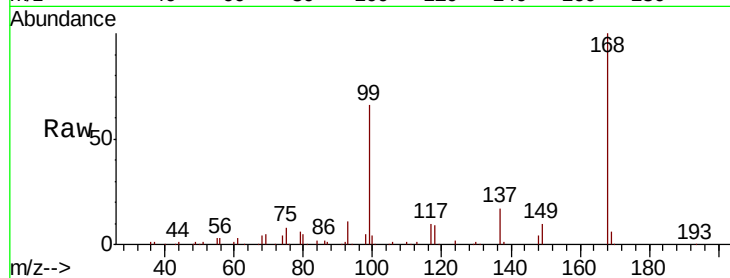
ClientSampleId :

Tot Ion:168 Resp: 1056639

Ion Ratio Lower Upper

168 100

99 66.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

300000

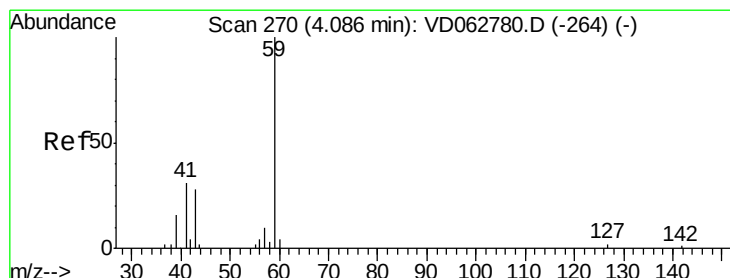
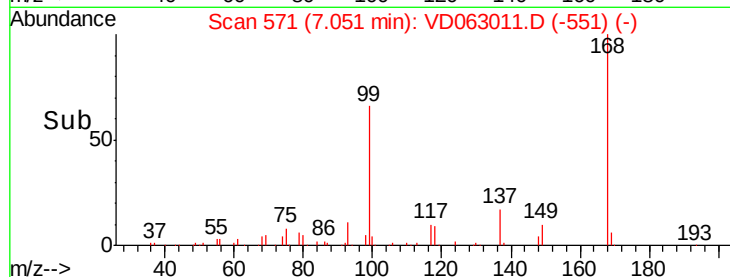
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 6.928 ug/l

RT: 4.01 min Scan# 262

Delta R.T. -0.08 min

Lab File: VD063011.D

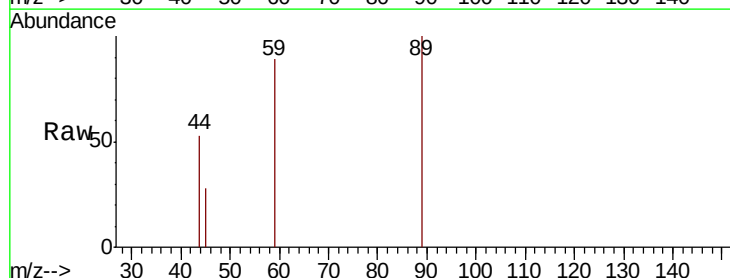
Acq: 2 Jul 2019 19:17

Tgt Ion: 59 Resp: 3624

Ion Ratio Lower Upper

59 100

57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.01

1500

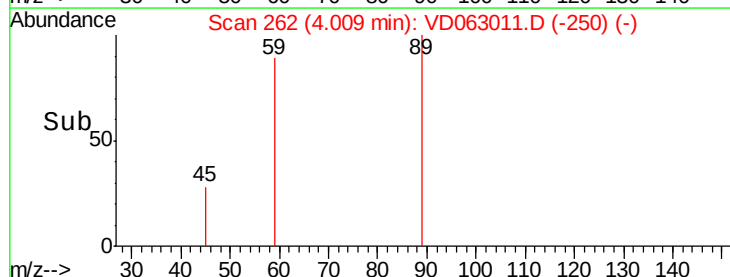
1000

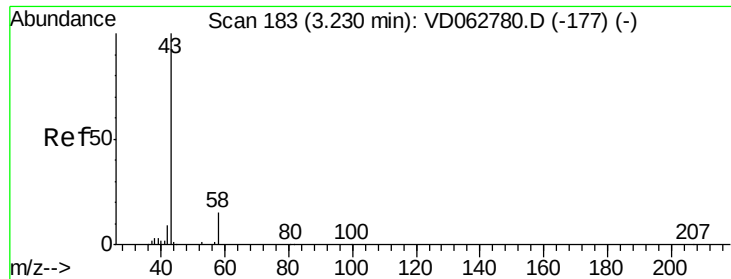
500

0

Time-->

3.90 3.95 4.00 4.05 4.10





#16

Acetone

Concen: Below Cal

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063011.D

Acq: 2 Jul 2019 19:17

Instrument :

MSVOA_D

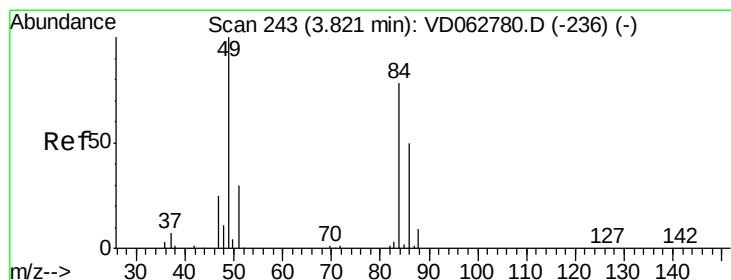
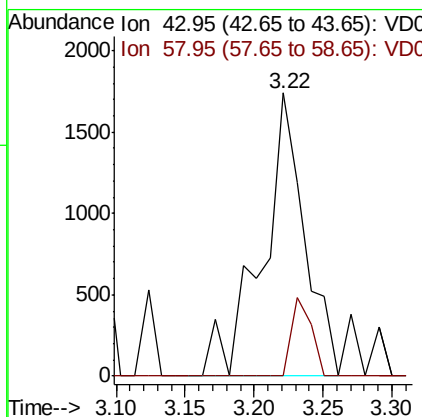
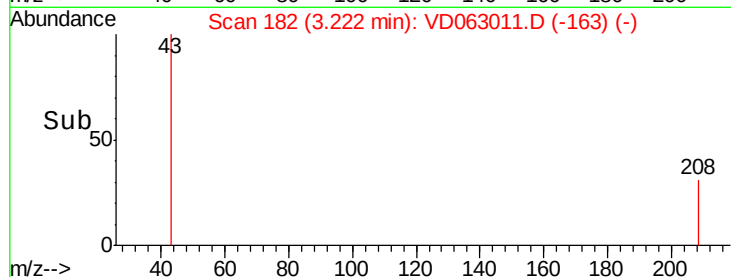
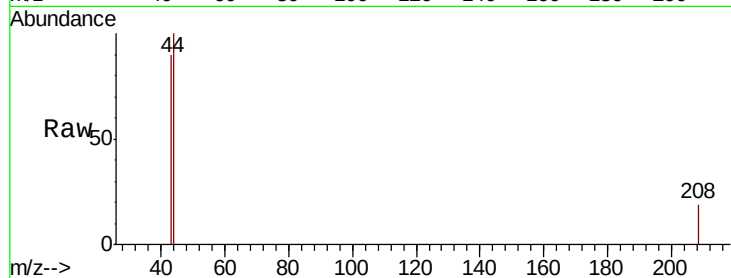
ClientSampleId :

Tot Ion: 43 Resp: 3724

Ion Ratio Lower Upper

43 100

58 0.0 11.9 17.9#



#20

Methylene Chloride

Concen: 1.189 ug/l

RT: 3.81 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD063011.D

Acq: 2 Jul 2019 19:17

Tgt Ion: 84 Resp: 10415

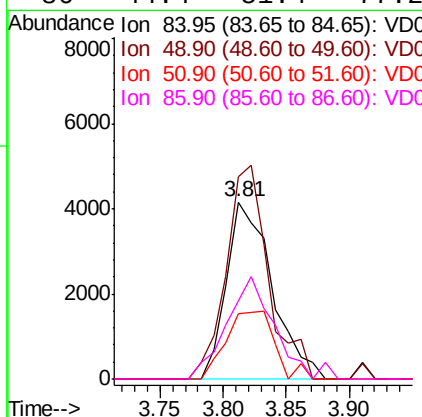
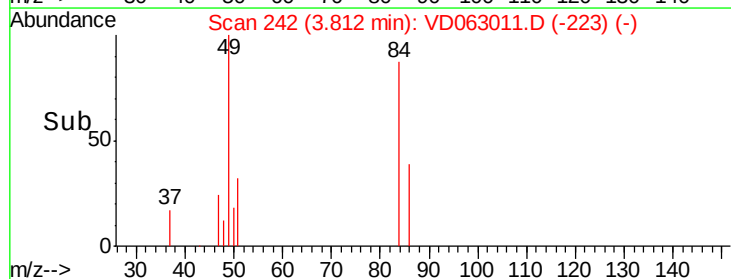
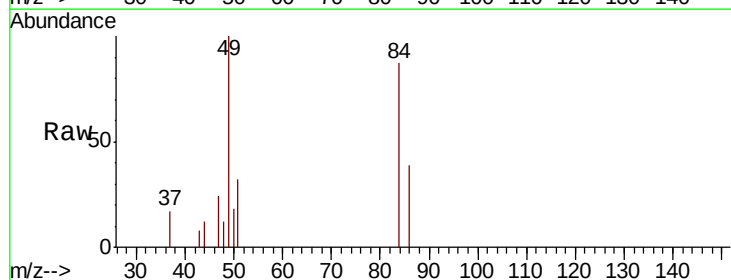
Ion Ratio Lower Upper

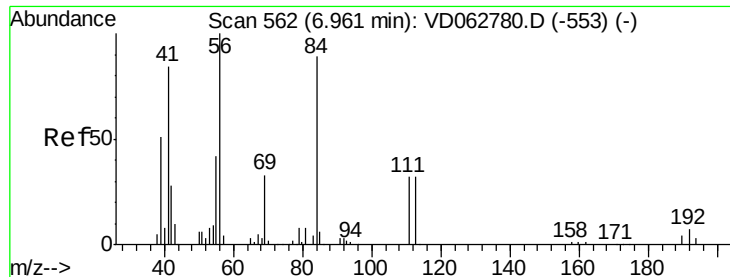
84 100

49 114.5 102.9 154.3

51 36.9 31.2 46.8

86 44.4 51.4 77.2#

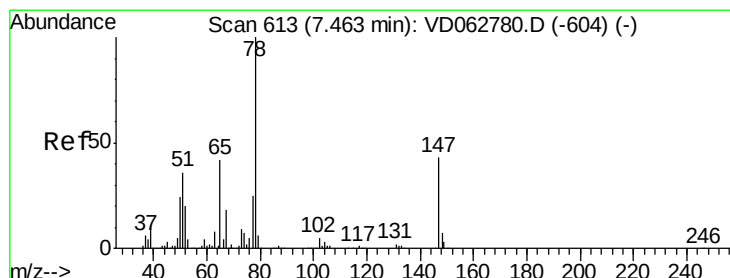
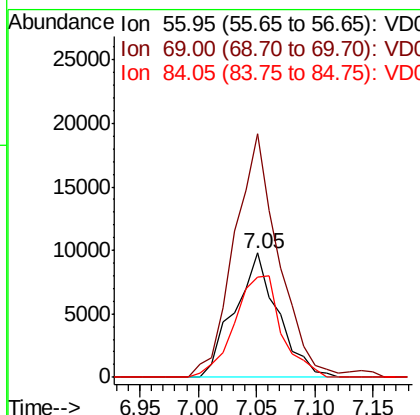
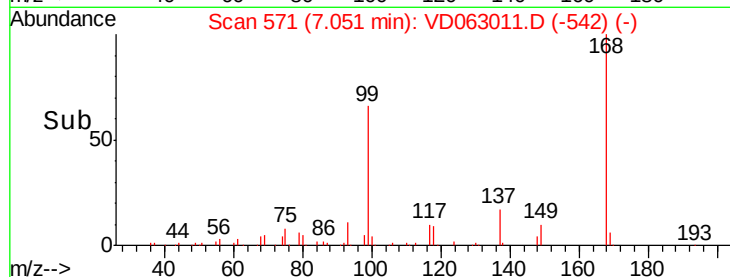
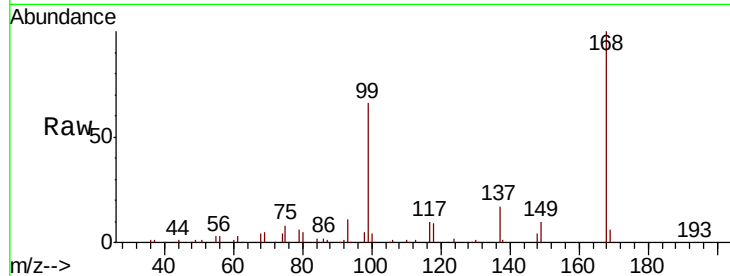




#31
Cyclohexane
Concen: 2.344 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD063011.D
Acq: 2 Jul 2019 19:17

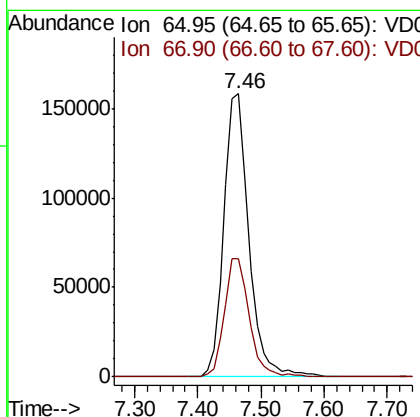
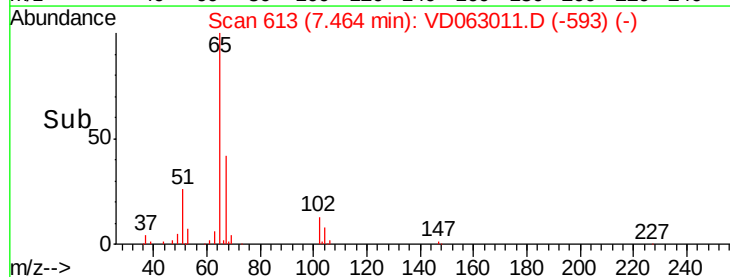
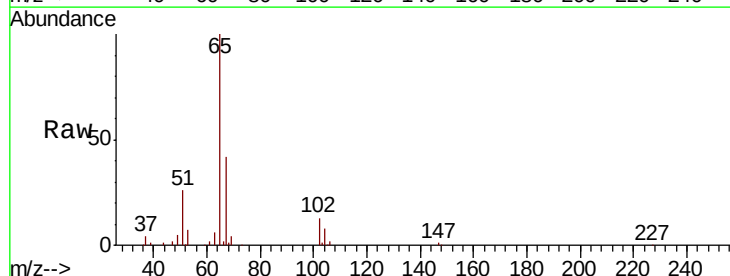
Instrument :
MSVOA_D
ClientSampleId :

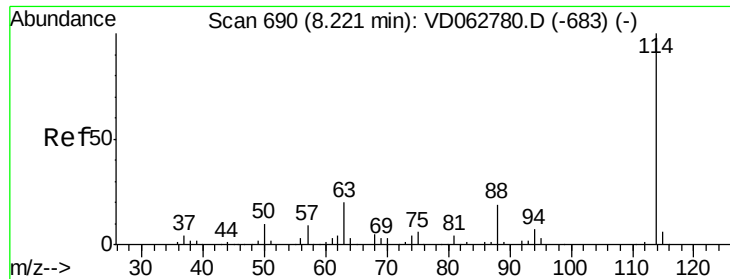
Tot Ion: 56 Resp: 25285
Ion Ratio Lower Upper
56 100
69 195.6 26.6 39.8#
84 80.8 75.5 113.3



#33
1,2-Dichloroethane-d4
Concen: 37.856 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD063011.D
Acq: 2 Jul 2019 19:17

Tgt Ion: 65 Resp: 434796
Ion Ratio Lower Upper
65 100
67 41.6 0.0 87.4

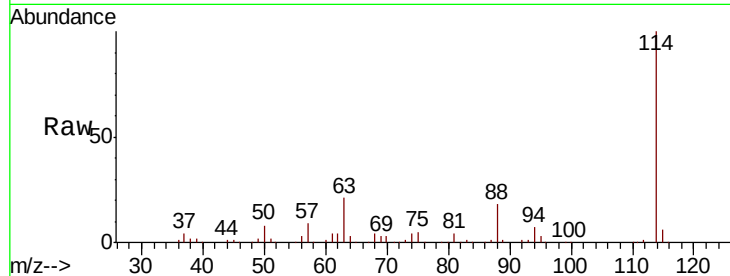




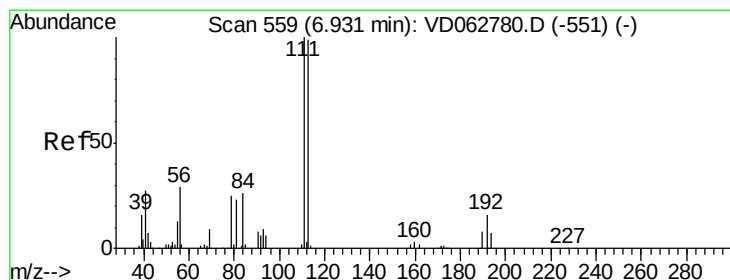
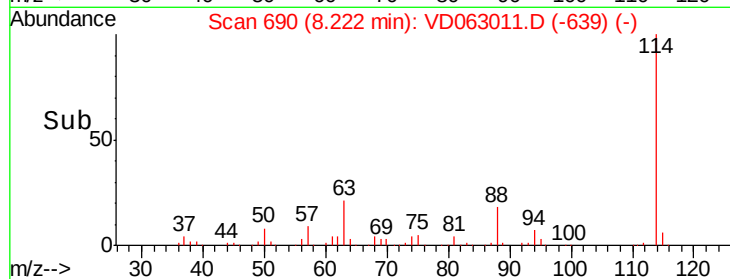
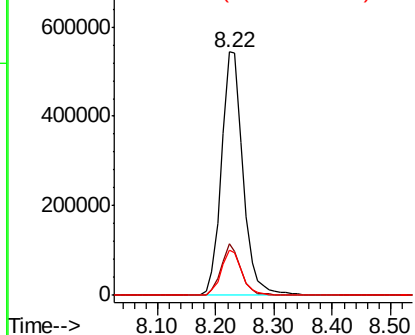
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD063011.D
 Acq: 2 Jul 2019 19:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1401938
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.0
 88 18.5 0.0 38.8

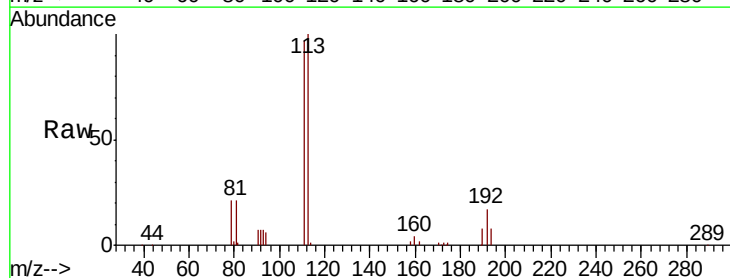


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

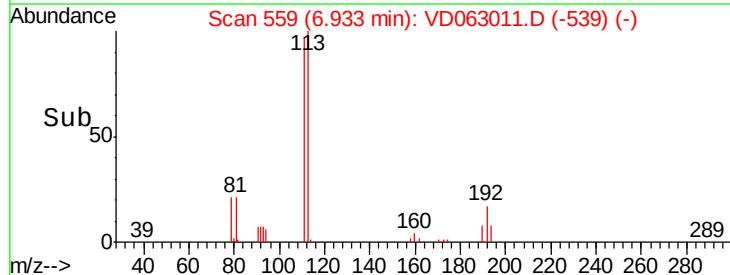
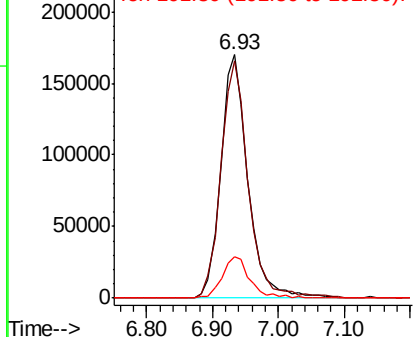


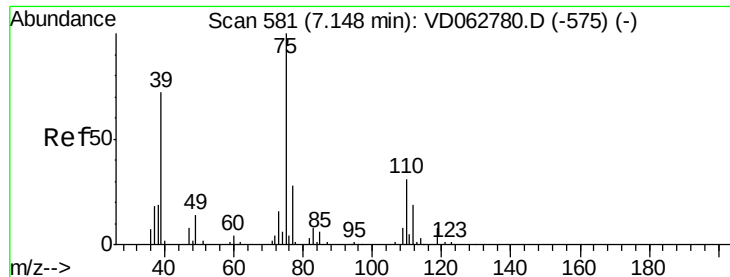
#35
 Dibromofluoromethane
 Concen: 41.181 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD063011.D
 Acq: 2 Jul 2019 19:17

Tgt Ion:113 Resp: 486800
 Ion Ratio Lower Upper
 113 100
 111 97.4 81.2 121.8
 192 17.0 12.9 19.3



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

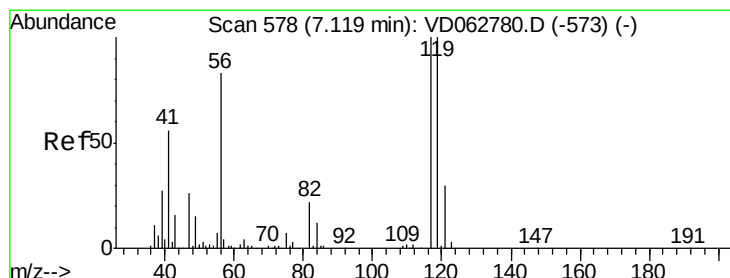
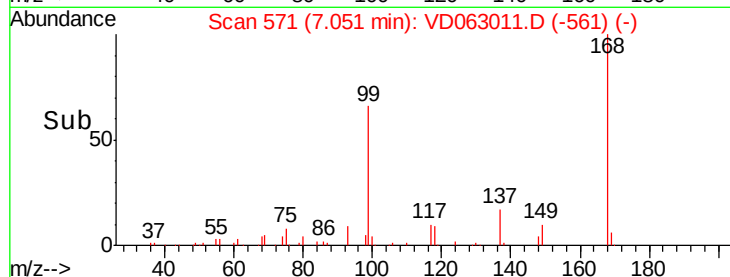
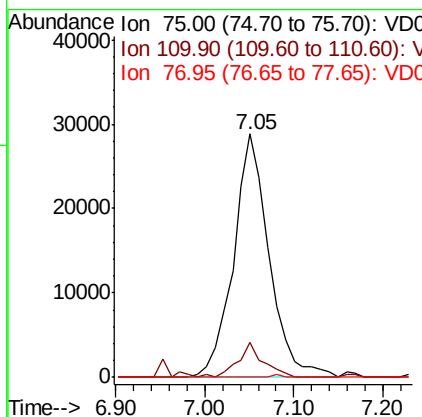
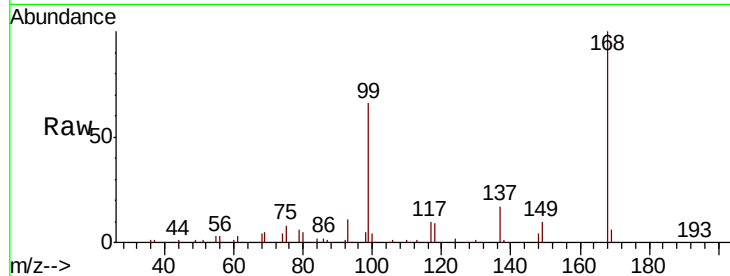




#36
 1,1-Dichloropropene
 Concen: 6.019 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD063011.D
 Acq: 2 Jul 2019 19:17

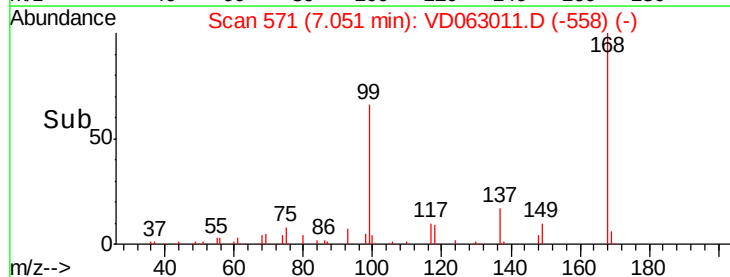
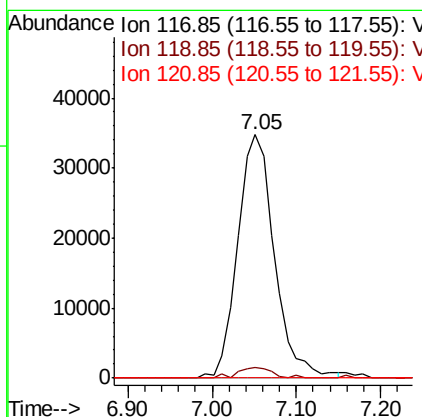
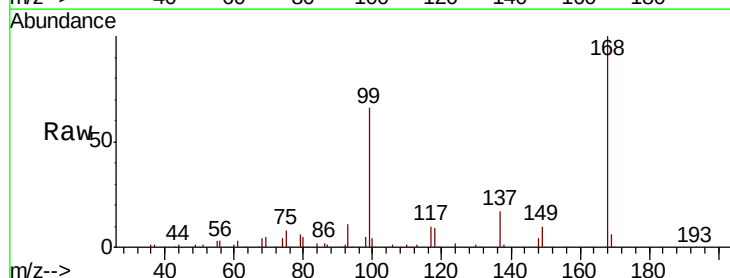
Instrument :
 MSVOA_D
 ClientSampled :

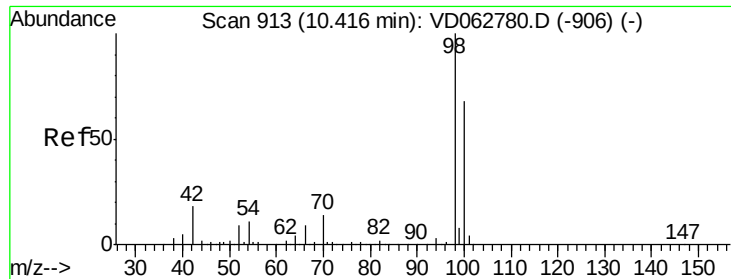
Tot Ion	75	Resp	79886
Ion Ratio	100	Lower	Upper
75	100		
110	14.2	15.0	45.1#
77	0.0	22.2	33.2#



#38
 Carbon Tetrachloride
 Concen: 5.304 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD063011.D
 Acq: 2 Jul 2019 19:17

Tgt Ion	117	Resp	105873
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.5	75.4	113.2#
121	0.0	22.3	33.5#

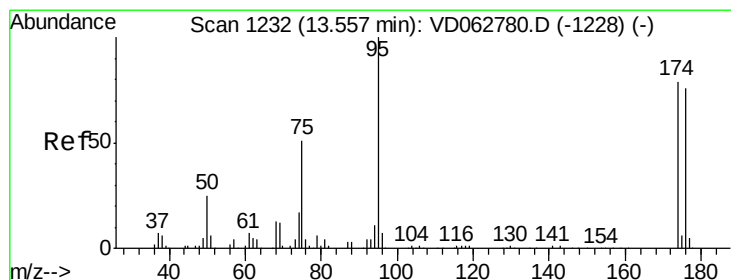
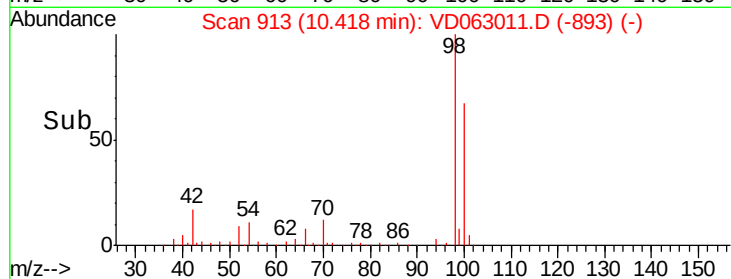
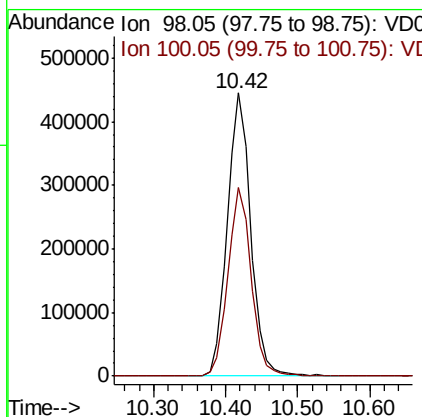
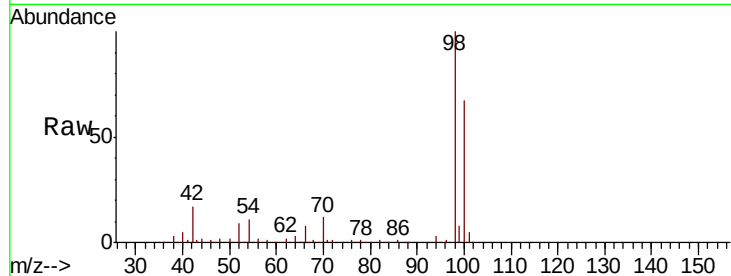




#50
Toluene-d8
Concen: 38.993 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD063011.D
Acq: 2 Jul 2019 19:17

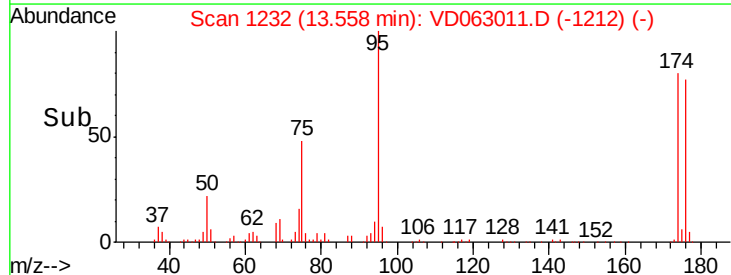
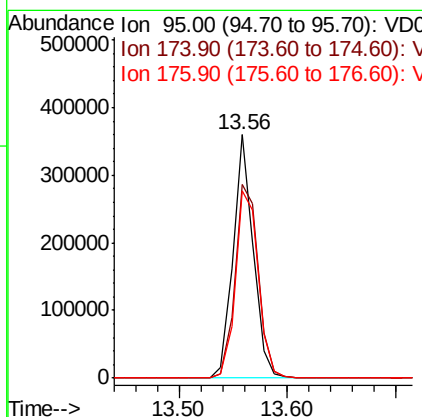
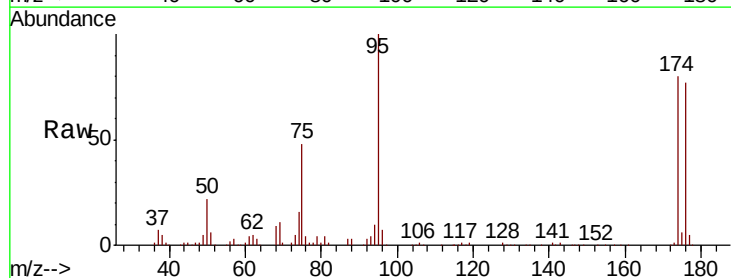
Instrument :
MSVOA_D
ClientSampleId :

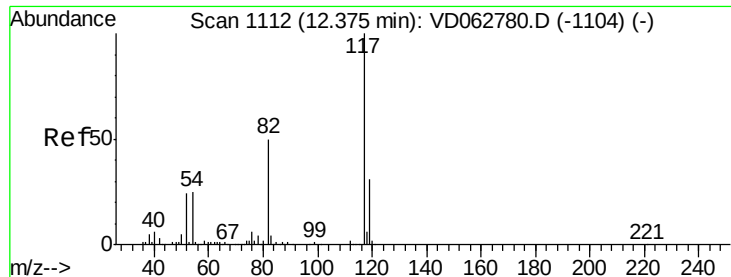
Tot Ion: 98 Resp: 1003210
Ion Ratio Lower Upper
98 100
100 66.8 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 40.015 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063011.D
Acq: 2 Jul 2019 19:17

Tgt Ion: 95 Resp: 468127
Ion Ratio Lower Upper
95 100
174 79.8 0.0 158.0
176 77.2 0.0 151.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD063011.D

Acq: 2 Jul 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

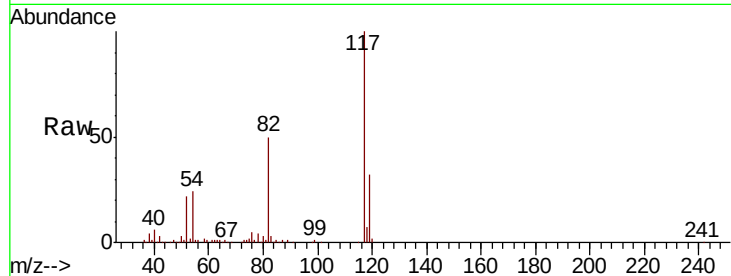
Tot Ion:117 Resp: 1212833

Ion Ratio Lower Upper

117 100

82 50.3 40.4 60.6

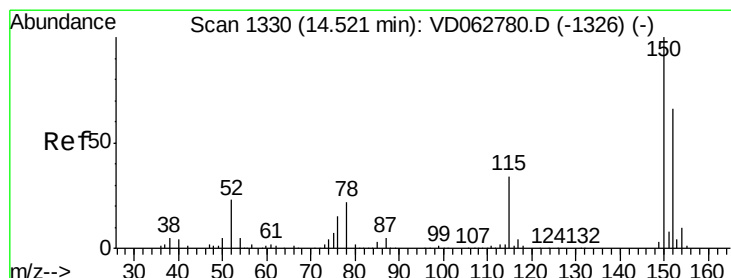
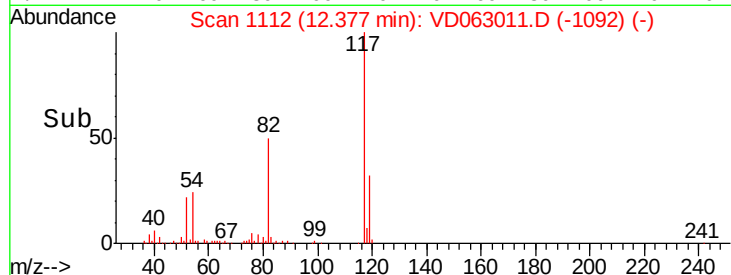
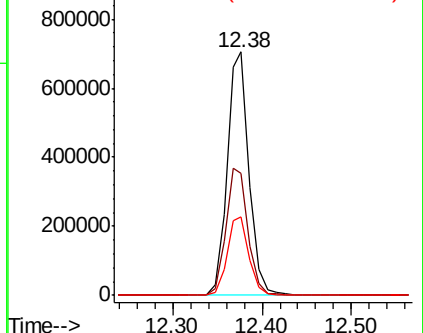
119 32.1 25.2 37.8



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. 0.00 min

Lab File: VD063011.D

Acq: 2 Jul 2019 19:17

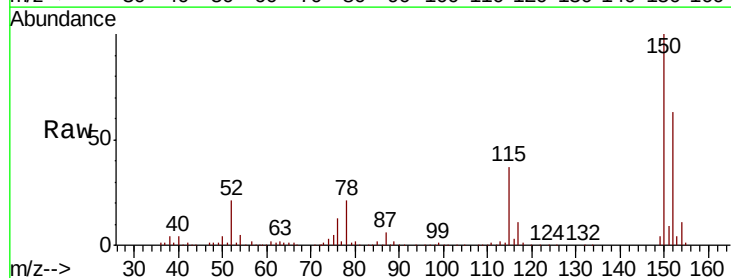
Tgt Ion:152 Resp: 641846

Ion Ratio Lower Upper

152 100

115 58.4 29.2 87.6

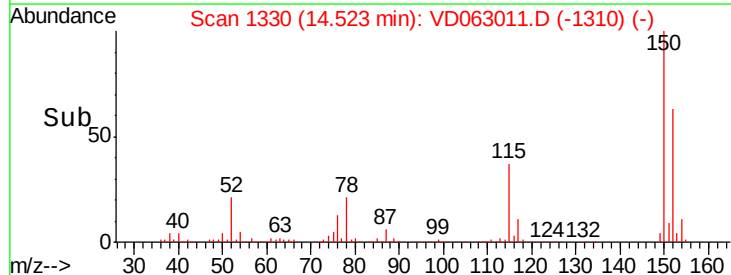
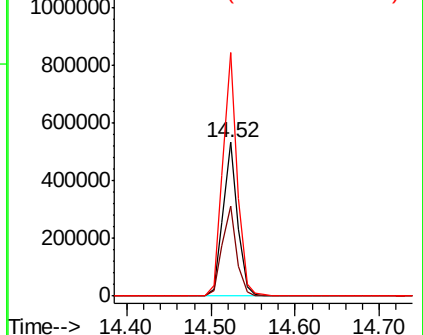
150 158.5 0.0 305.8

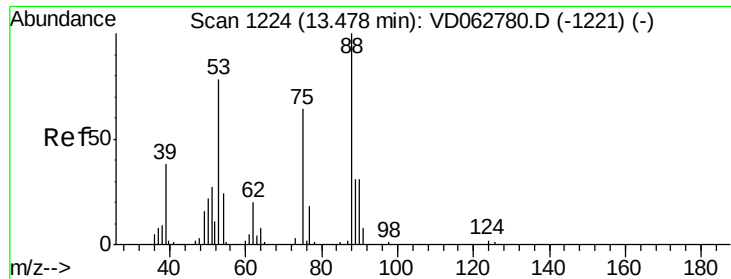


Abundance Ion 151.90 (151.60 to 152.60): V

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: 112.753 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063011.D

Acq: 2 Jul 2019 19:17

Instrument :

MSVOA_D

ClientSampleId :

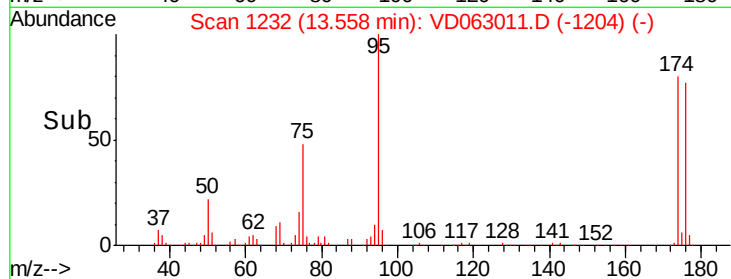
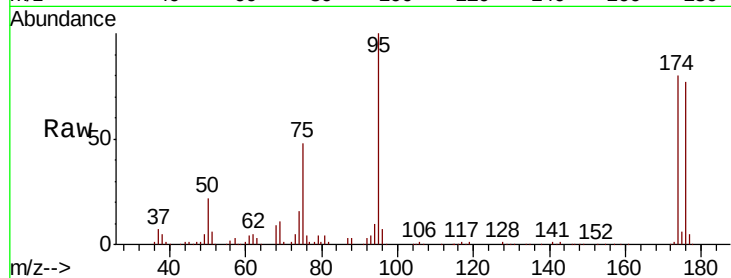
Tot Ion: 75 Resp: 218961

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

