

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063581.D
 Acq On : 14 Aug 2019 18:31
 Operator : JC/SY
 Sample : K4295-03RE
 Misc : 4.93g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 12:01:34 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	962819	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1353800	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1106347	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	534220	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	499415	48.53	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	97.06%	
35) Dibromofluoromethane	6.92	113	542562	47.59	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	95.18%	
50) Toluene-d8	10.41	98	970468	38.71	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	77.42%	
62) 4-Bromofluorobenzene	13.56	95	484654	42.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.32%	

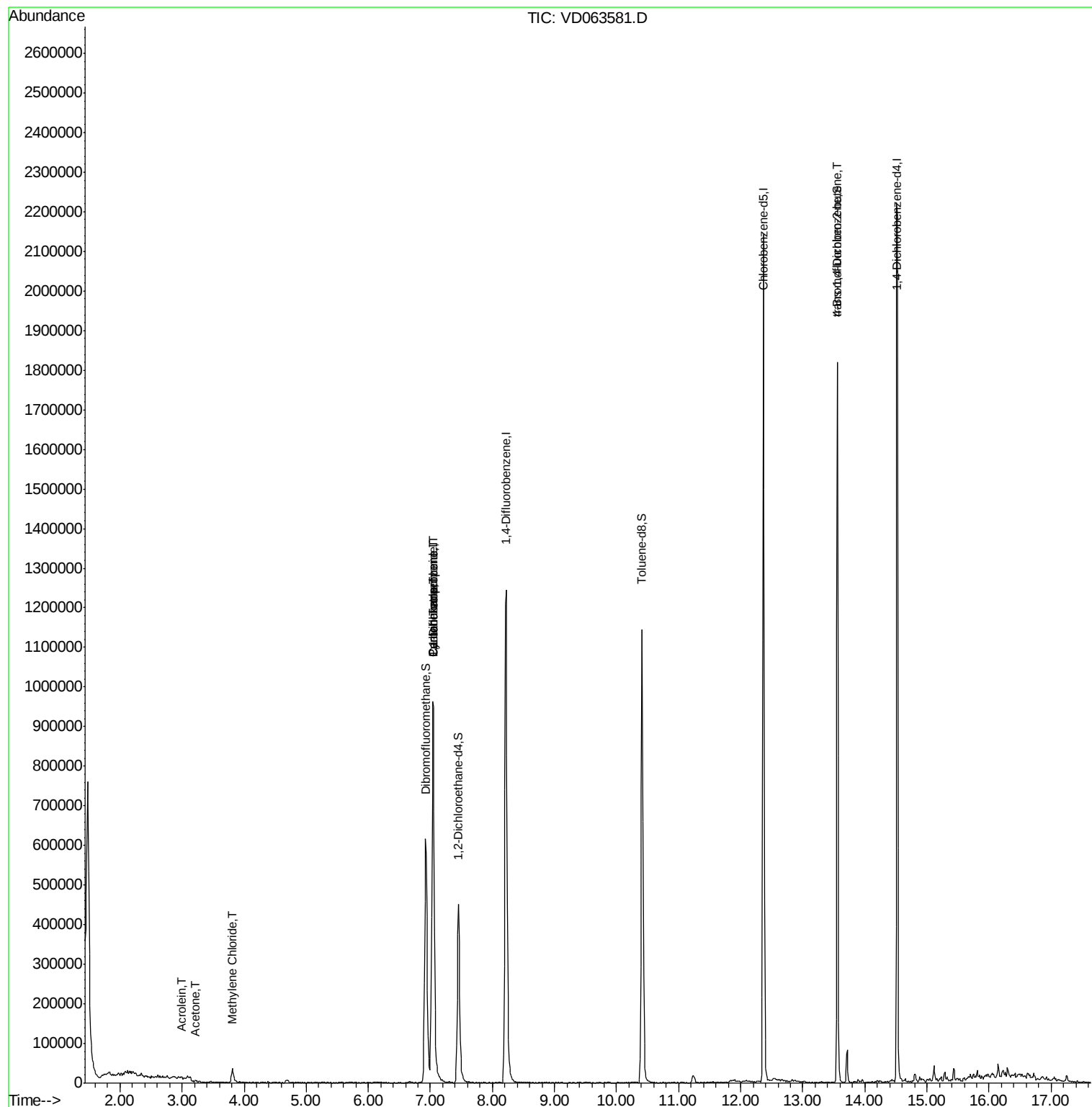
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.98	56	675	1.531	ug/l #	77
16) Acetone	3.21	43	6268	2.996	ug/l #	83
20) Methylene Chloride	3.81	84	19919	2.202	ug/l	91
31) Cyclohexane	7.05	56	21371	2.300	ug/l #	34
36) 1,1-Dichloropropene	7.04	75	73211	6.117	ug/l #	52
38) Carbon Tetrachloride	7.05	117	91942	5.097	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.56	75	231343	140.389	ug/l #	1

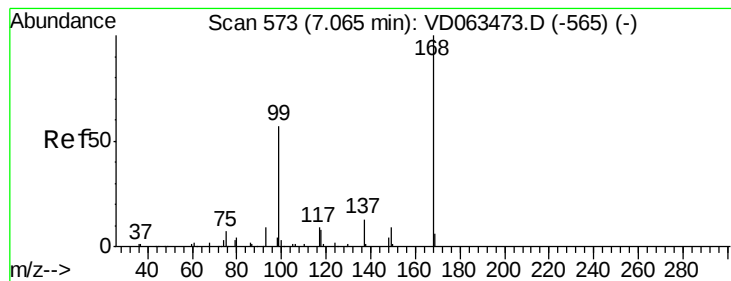
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081419\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
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: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063581.D

Acq: 14 Aug 2019 18:31

Instrument :

MSVOA_D

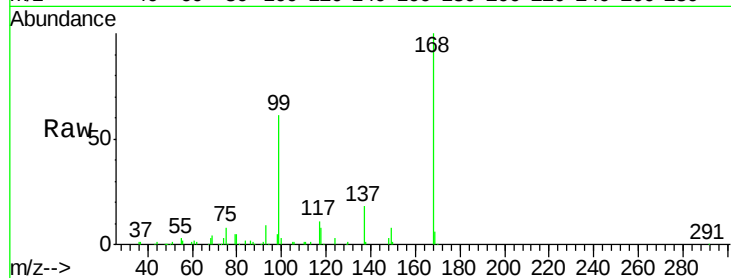
ClientSampleId :

Tot Ion:168 Resp: 962819

Ion Ratio Lower Upper

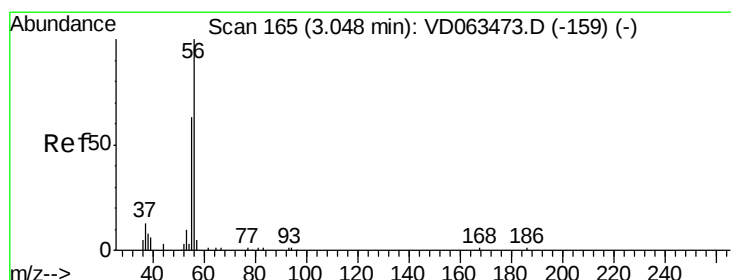
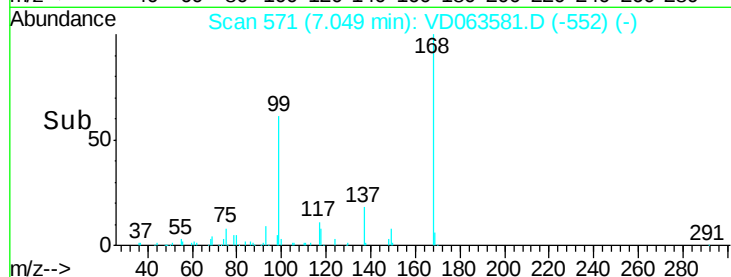
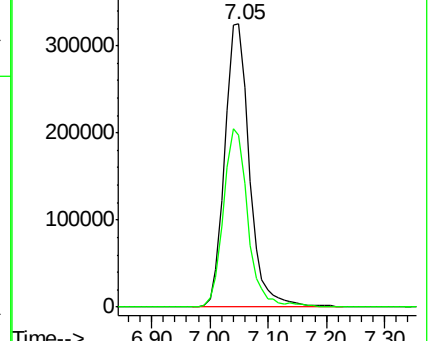
168 100

99 60.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 1.531 ug/l

RT: 2.98 min Scan# 158

Delta R.T. -0.06 min

Lab File: VD063581.D

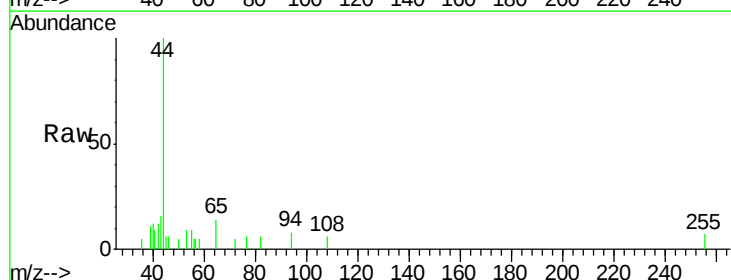
Acq: 14 Aug 2019 18:31

Tgt Ion: 56 Resp: 675

Ion Ratio Lower Upper

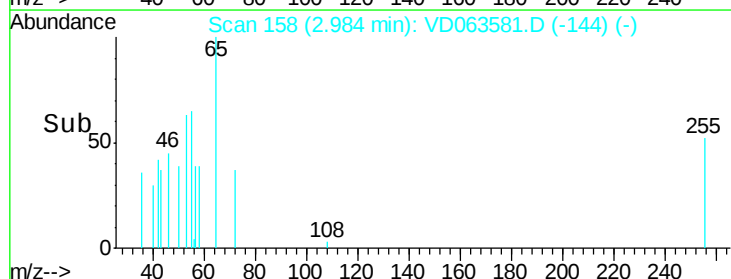
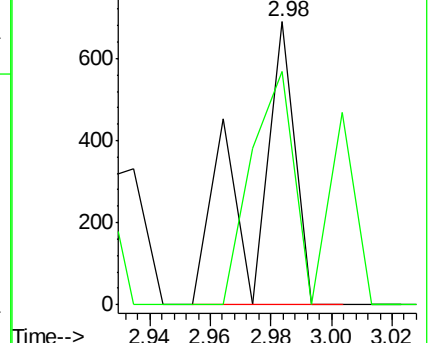
56 100

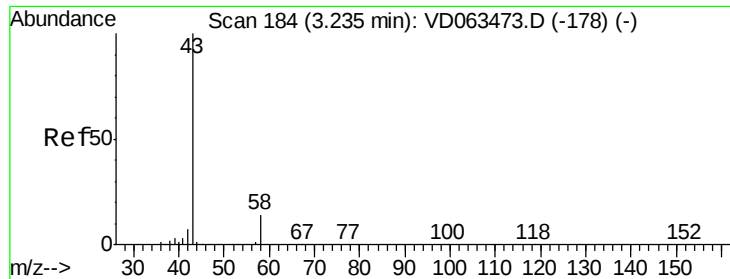
55 82.4 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

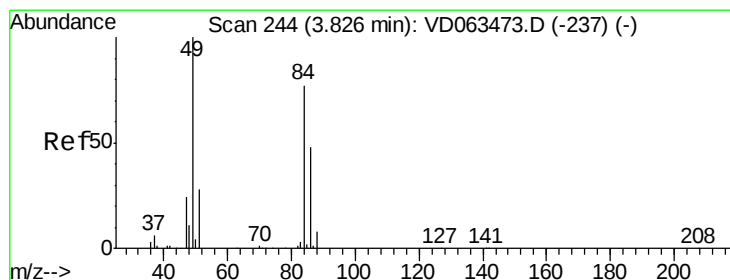
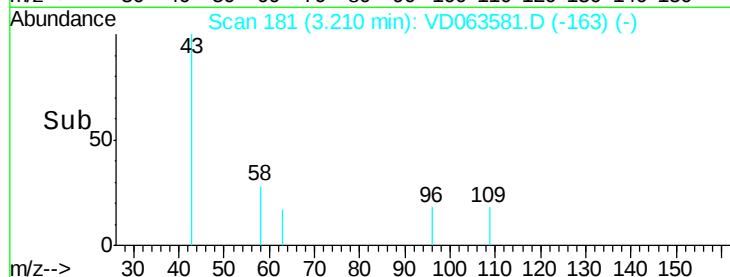
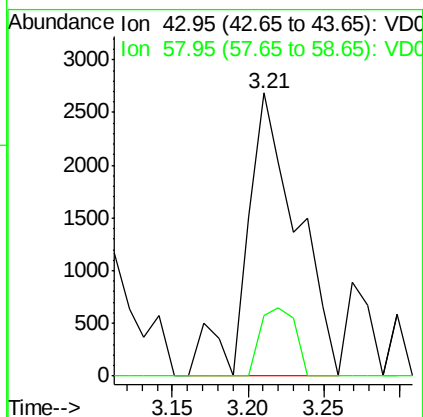
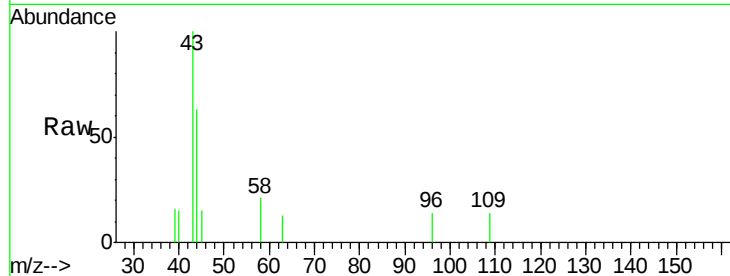




#16
Acetone
Concen: 2.996 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.03 min
Lab File: VD063581.D
Acq: 14 Aug 2019 18:31

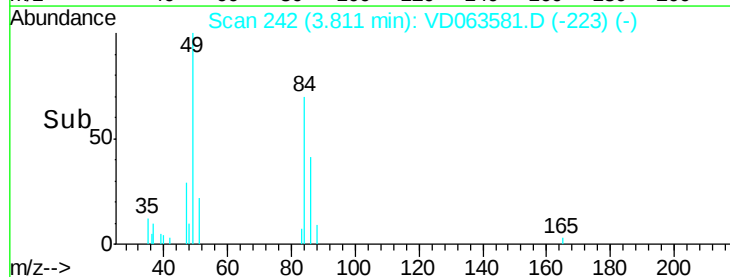
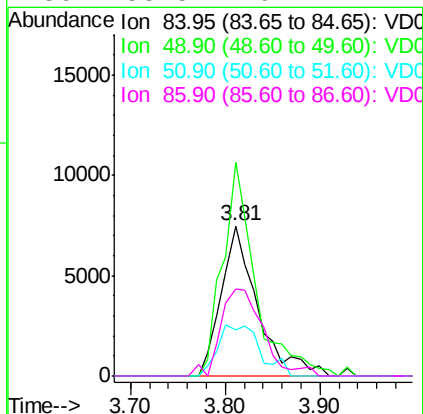
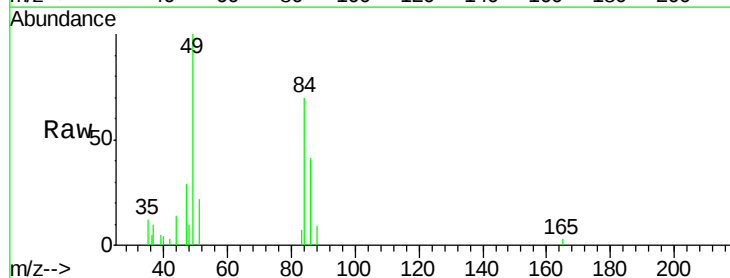
Instrument :
MSVOA_D
ClientSampleId :

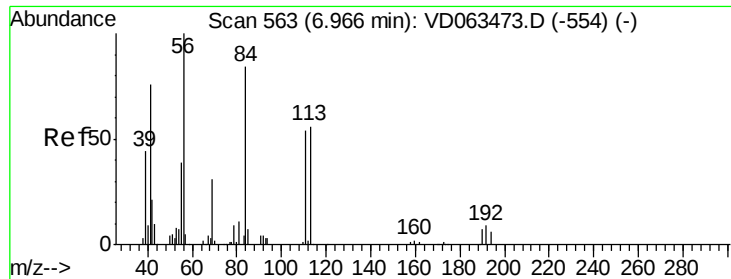
Tot Ion: 43 Resp: 6268
Ion Ratio Lower Upper
43 100
58 21.5 11.4 17.2#



#20
Methylene Chloride
Concen: 2.202 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063581.D
Acq: 14 Aug 2019 18:31

Tgt Ion: 84 Resp: 19919
Ion Ratio Lower Upper
84 100
49 142.6 103.4 155.2
51 30.9 28.5 42.7
86 58.5 49.4 74.2

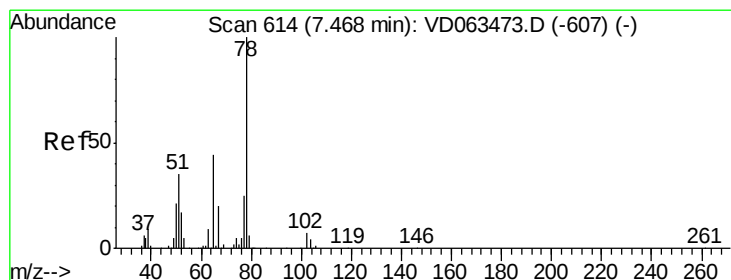
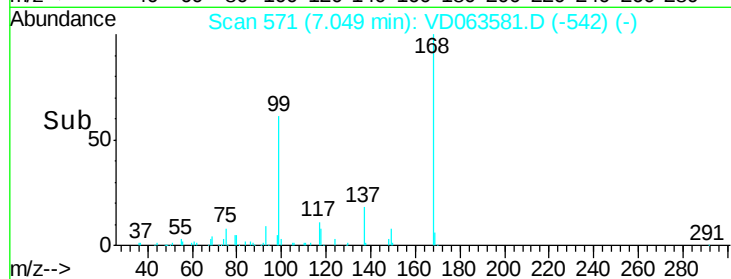
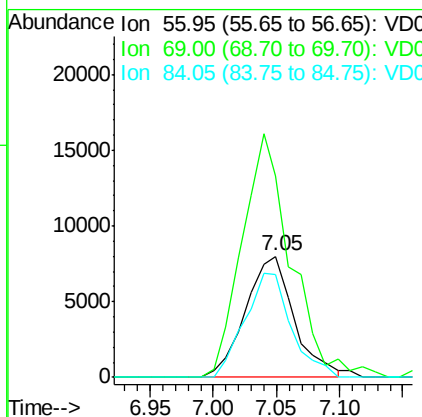
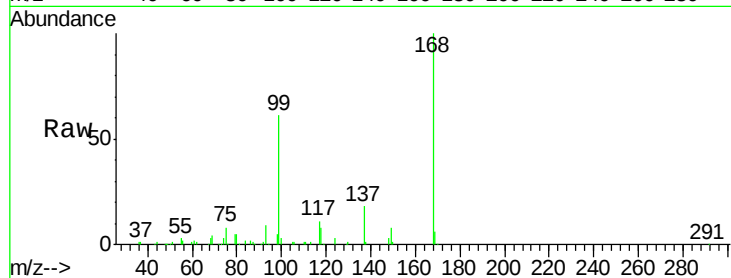




#31
Cyclohexane
Concen: 2.300 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD063581.D
Acq: 14 Aug 2019 18:31

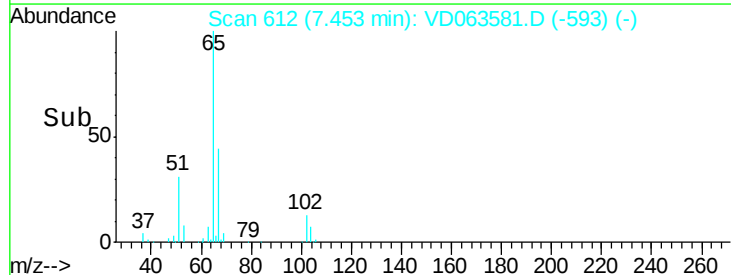
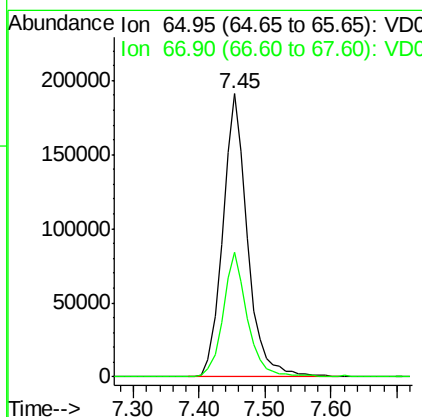
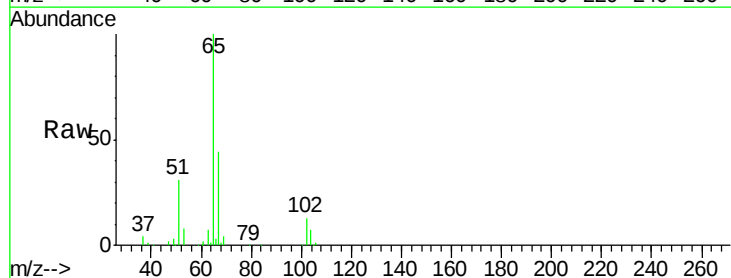
Instrument :
MSVOA_D
ClientSampleId :

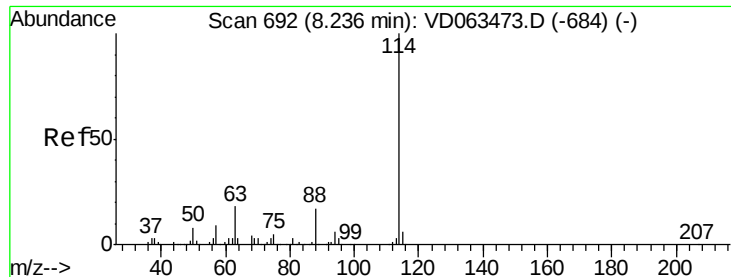
Tot Ion: 56 Resp: 21371
Ion Ratio Lower Upper
56 100
69 166.6 25.0 37.6#
84 85.1 69.7 104.5



#33
1,2-Dichloroethane-d4
Concen: 48.526 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063581.D
Acq: 14 Aug 2019 18:31

Tgt Ion: 65 Resp: 499415
Ion Ratio Lower Upper
65 100
67 44.2 0.0 89.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063581.D

Acq: 14 Aug 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

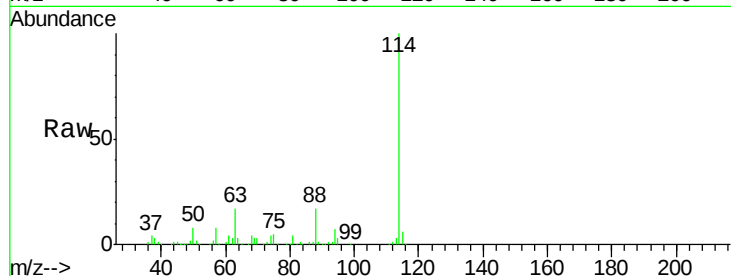
Tot Ion:114 Resp: 1353800

Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.2

88 16.7 0.0 35.0



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

600000

400000

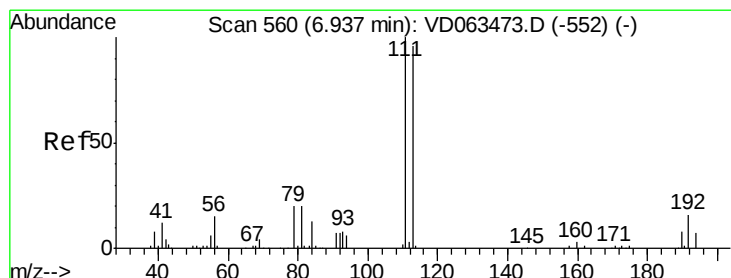
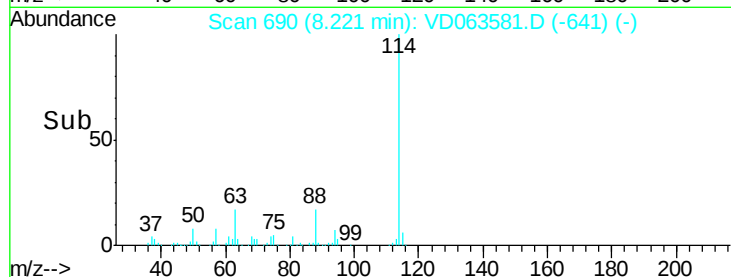
200000

0

8.22

8.10 8.20 8.30 8.40

Time-->



#35

Dibromofluoromethane

Concen: 47.586 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063581.D

Acq: 14 Aug 2019 18:31

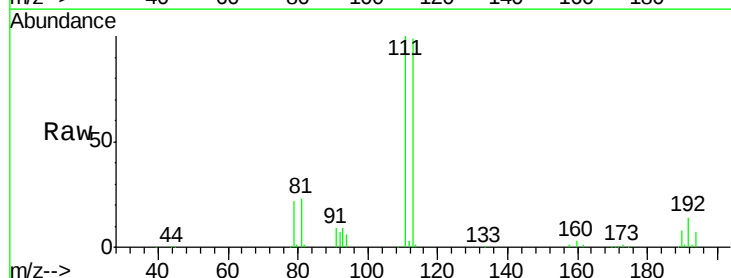
Tgt Ion:113 Resp: 542562

Ion Ratio Lower Upper

113 100

111 101.2 83.1 124.7

192 14.3 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

250000

200000

150000

100000

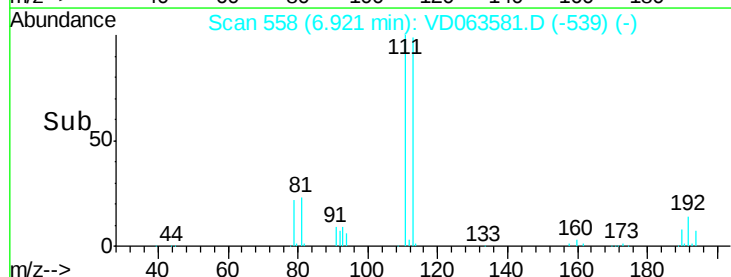
50000

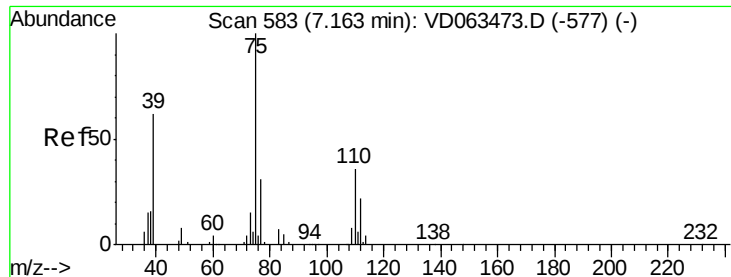
0

6.92

6.80 6.90 7.00 7.10

Time-->

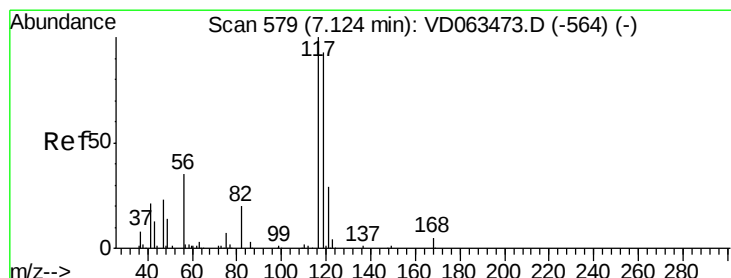
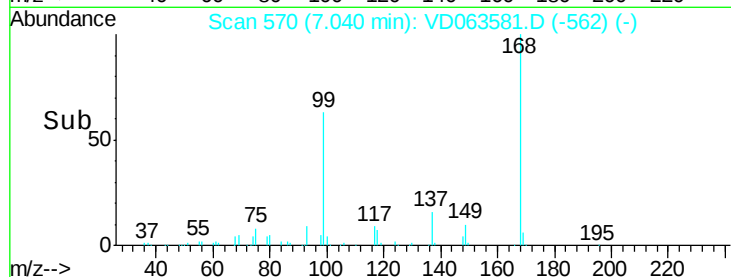
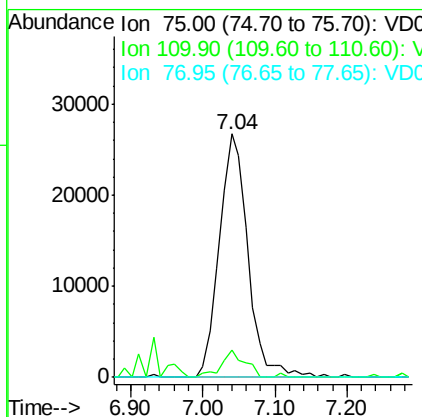
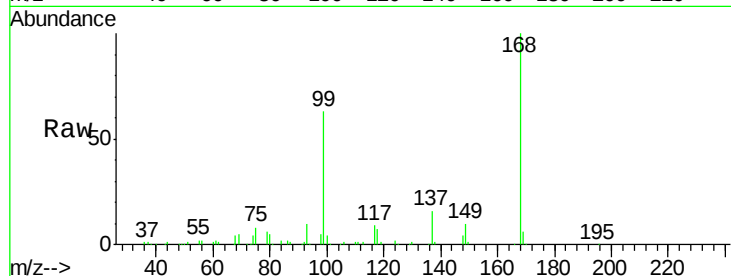




#36
 1,1-Dichloropropene
 Concen: 6.117 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.12 min
 Lab File: VD063581.D
 Acq: 14 Aug 2019 18:31

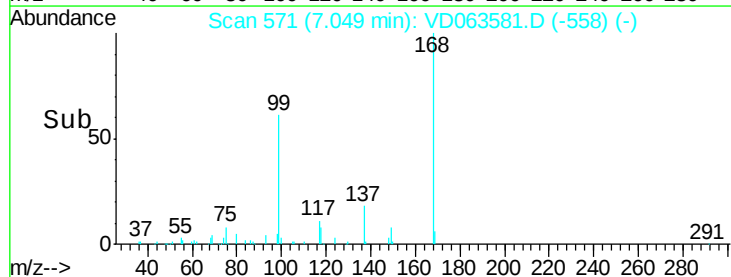
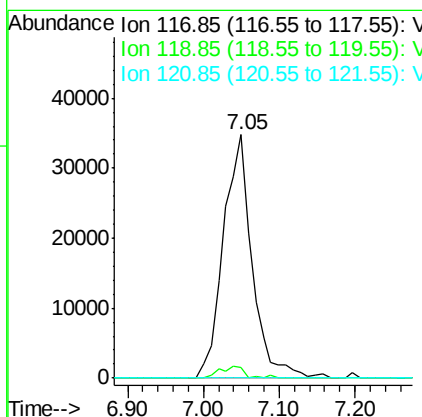
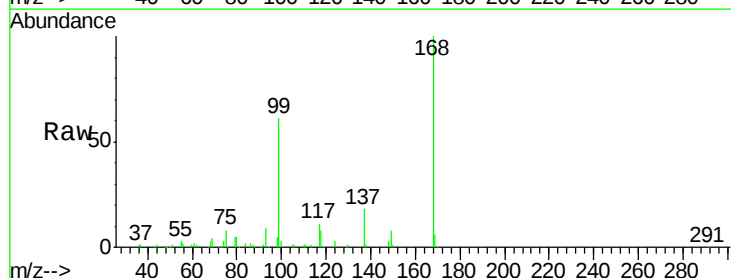
Instrument :
 MSVOA_D
 ClientSampleId :

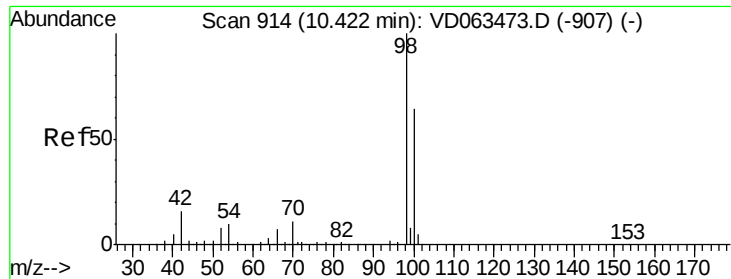
Tot Ion: 75 Resp: 73211
 Ion Ratio Lower Upper
 75 100
 110 11.1 17.6 52.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.097 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.07 min
 Lab File: VD063581.D
 Acq: 14 Aug 2019 18:31

Tgt Ion: 117 Resp: 91942
 Ion Ratio Lower Upper
 117 100
 119 4.4 74.2 111.2#
 121 0.0 23.1 34.7#





#50

Toluene-d8

Concen: 38.714 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD063581.D

Acq: 14 Aug 2019 18:31

Instrument :

MSVOA_D

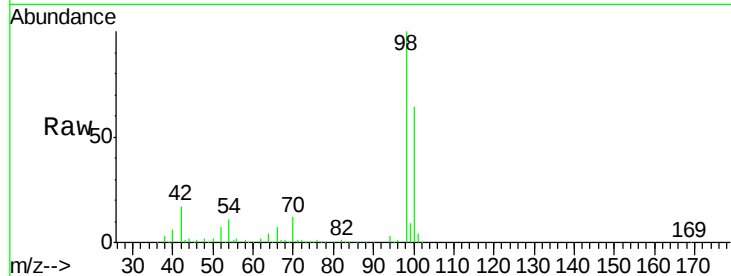
ClientSampleId :

Tot Ion: 98 Resp: 970468

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VD063473.D (-907) (-)

Ion 100.05 (99.75 to 100.75): VD063473.D (-907) (-)

10.41

400000

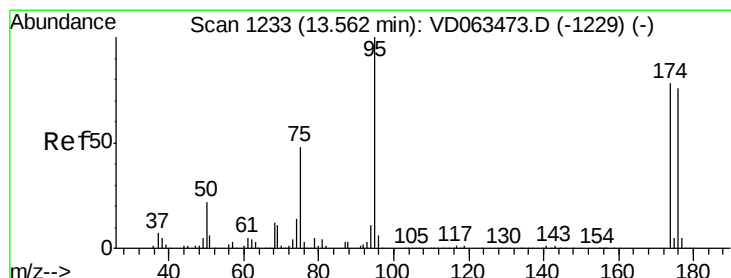
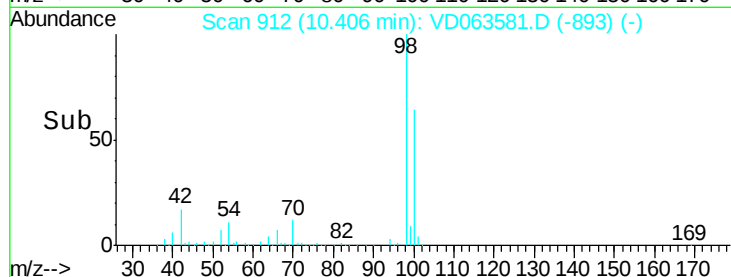
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.657 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063581.D

Acq: 14 Aug 2019 18:31

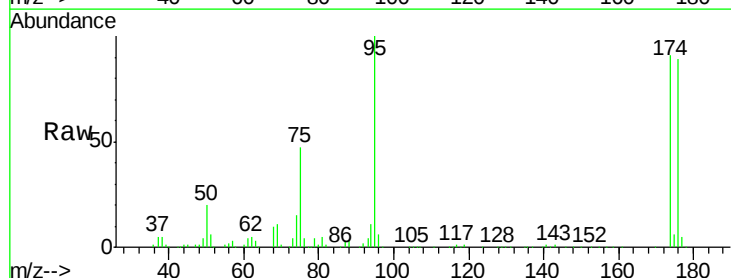
Tgt Ion: 95 Resp: 484654

Ion Ratio Lower Upper

95 100

174 91.4 0.0 155.4

176 88.6 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VD063473.D (-1229) (-)

Ion 173.90 (173.60 to 174.60): VD063473.D (-1229) (-)

Ion 175.90 (175.60 to 176.60): VD063473.D (-1229) (-)

13.56

400000

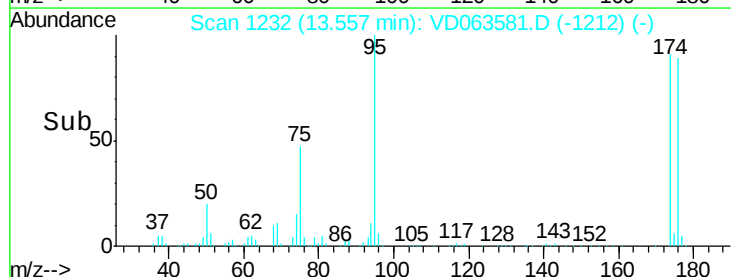
300000

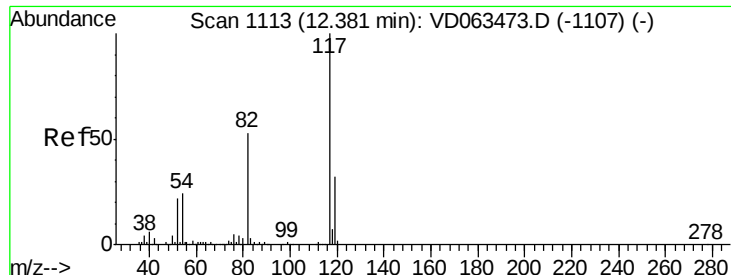
200000

100000

0

Time-->

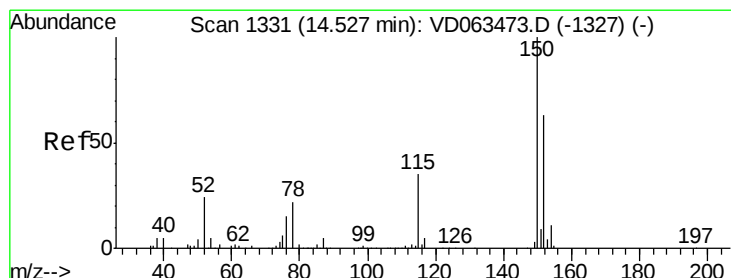
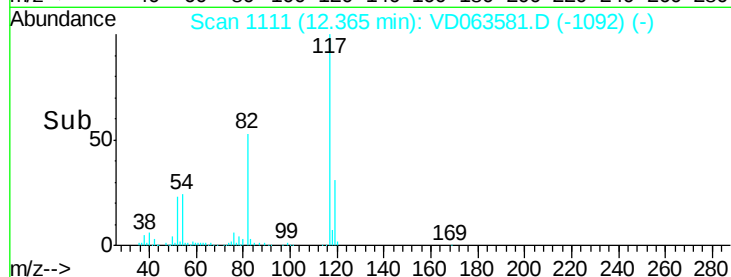
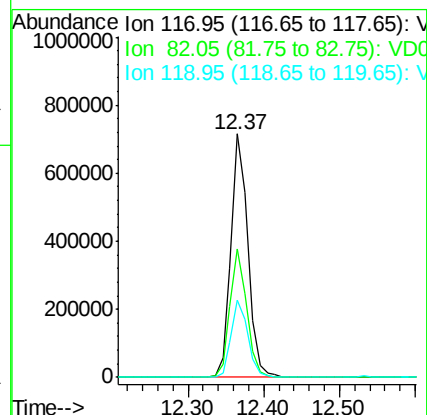
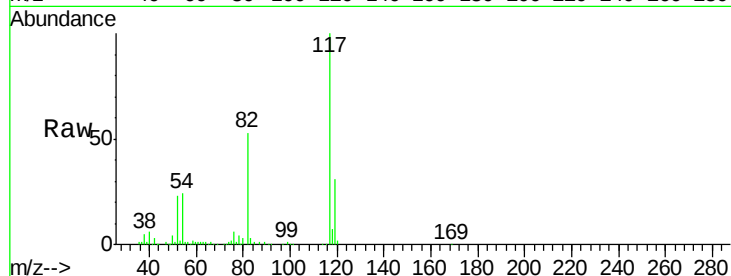




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063581.D
Acq: 14 Aug 2019 18:31

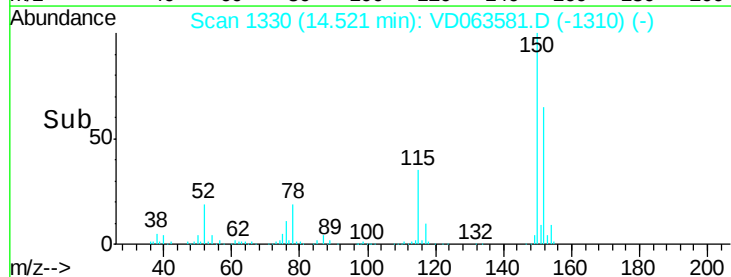
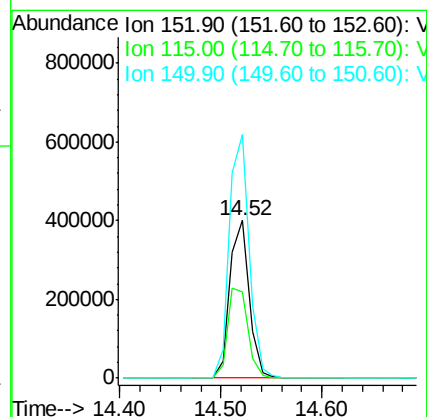
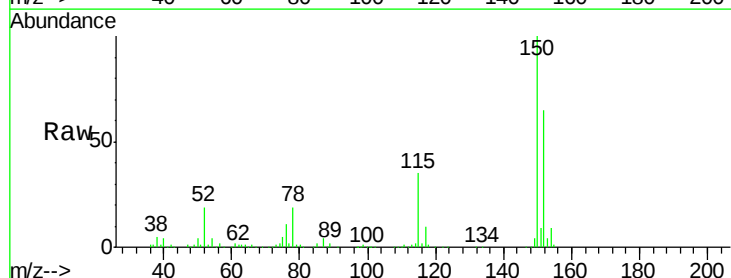
Instrument :
MSVOA_D
ClientSampleId :

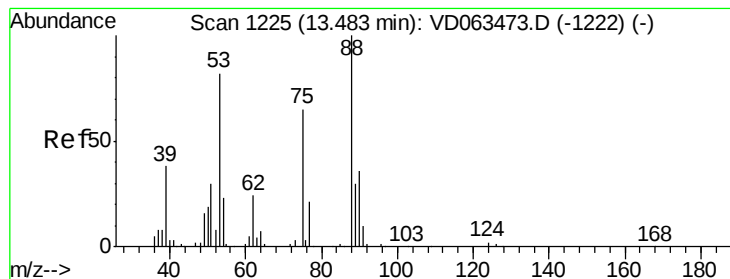
Tot Ion:117 Resp: 1106347
Ion Ratio Lower Upper
117 100
82 52.9 42.0 63.0
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063581.D
Acq: 14 Aug 2019 18:31

Tgt Ion:152 Resp: 534220
Ion Ratio Lower Upper
152 100
115 54.6 30.9 92.7
150 154.6 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 140.389 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063581.D

Acq: 14 Aug 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

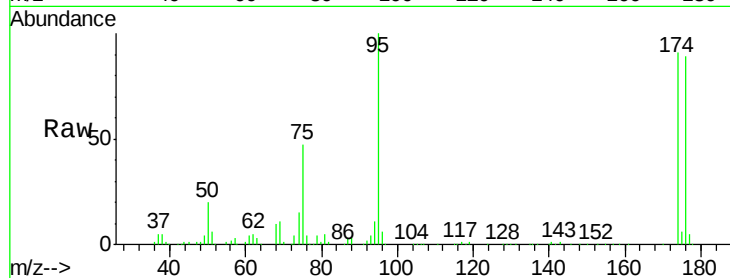
Tot Ion: 75 Resp: 231343

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

