

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06338.D
 Acq On : 3 Aug 2019 2:49
 Operator : VA/AP
 Sample : K4130-16
 Misc : 5.94g/5ml/MSVOA_D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:44:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1160546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1659719	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1269264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	613741	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	600865	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
35) Dibromofluoromethane	6.92	113	681631	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	10.40	98	1434622	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
62) 4-Bromofluorobenzene	13.55	95	564866	39.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.18%	

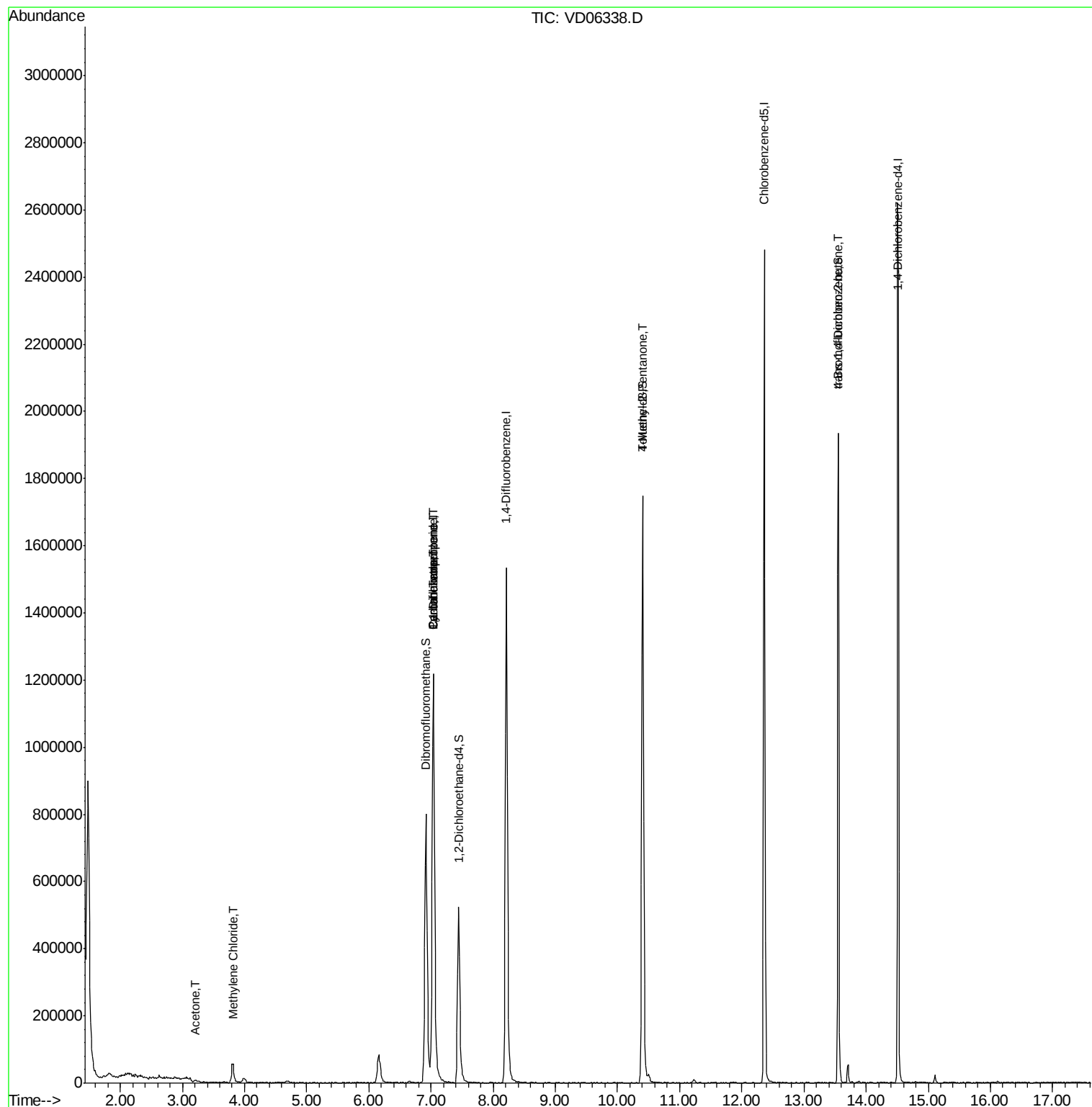
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	13703	5.462	ug/l #	62
20) Methylene Chloride	3.82	84	36073	3.557	ug/l	95
31) Cyclohexane	7.05	56	24147	2.105	ug/l #	10
36) 1,1-Dichloropropene	7.04	75	89633	5.918	ug/l #	53
38) Carbon Tetrachloride	7.04	117	116598	5.113	ug/l #	14
51) 4-Methyl-2-Pentanone	10.40	43	8909	1.507	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	255410	124.773	ug/l #	3

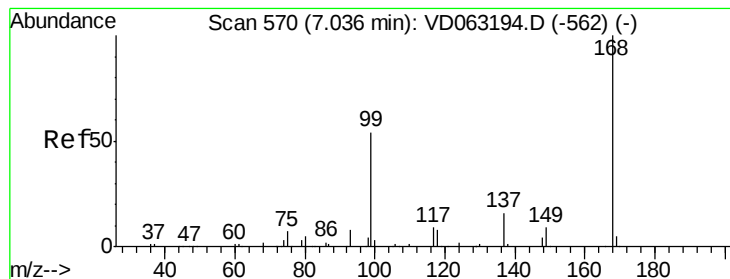
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD06338.D

Acq: 3 Aug 2019 2:49

Instrument :

MSVOA_D

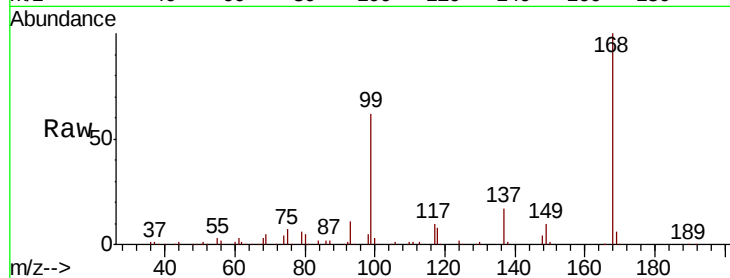
ClientSampleId :

Tgt Ion:168 Resp: 1160546

Ion Ratio Lower Upper

168 100

99 61.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

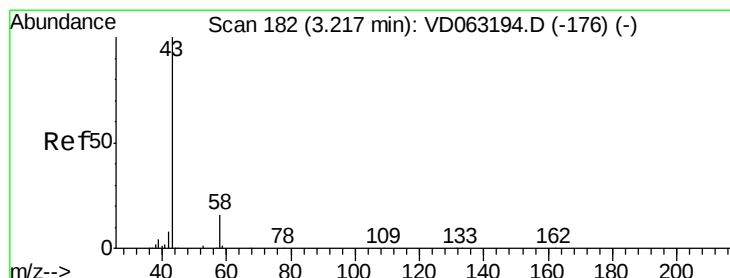
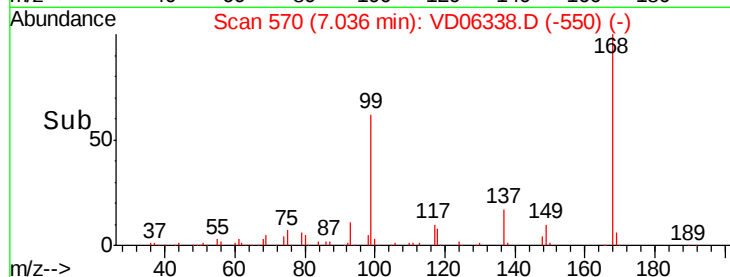
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 5.462 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD06338.D

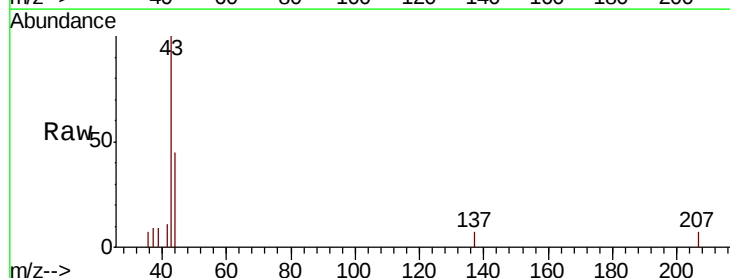
Acq: 3 Aug 2019 2:49

Tgt Ion: 43 Resp: 13703

Ion Ratio Lower Upper

43 100

58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

5000

4000

3000

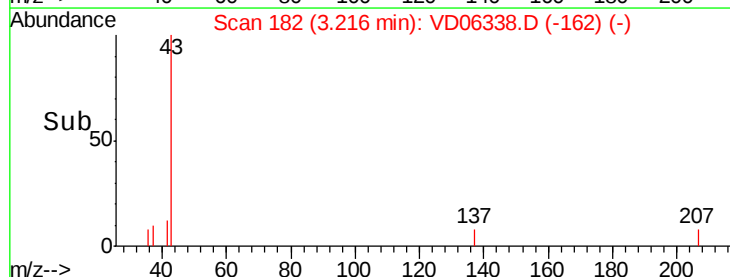
2000

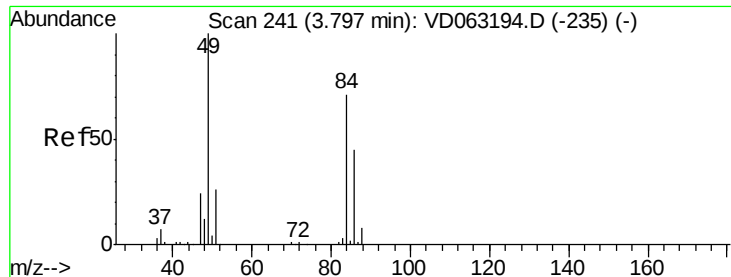
1000

0

Time-->

3.10 3.20 3.30

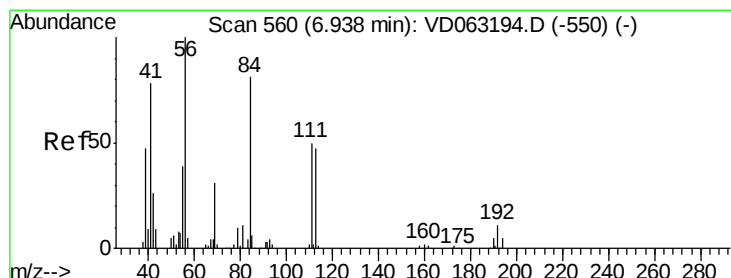
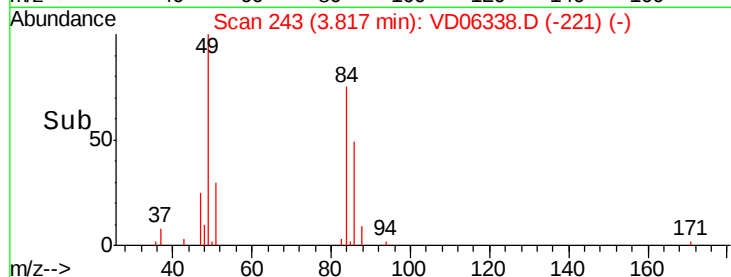
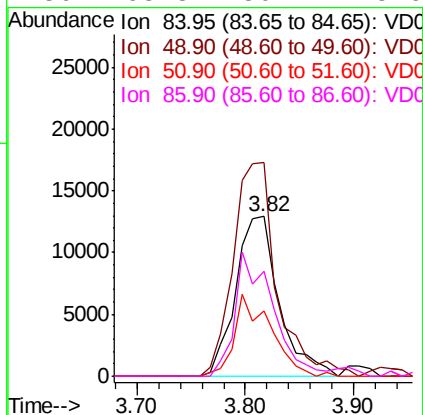
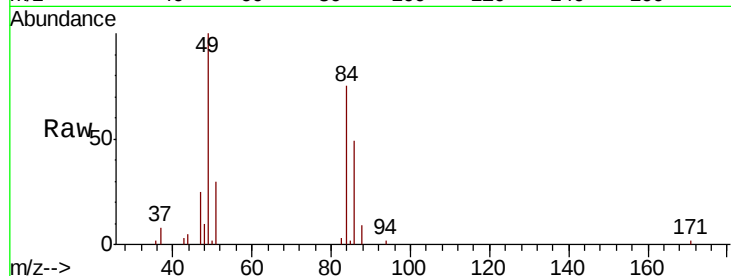




#20
Methylene Chloride
Concen: 3.557 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD06338.D
Acq: 3 Aug 2019 2:49

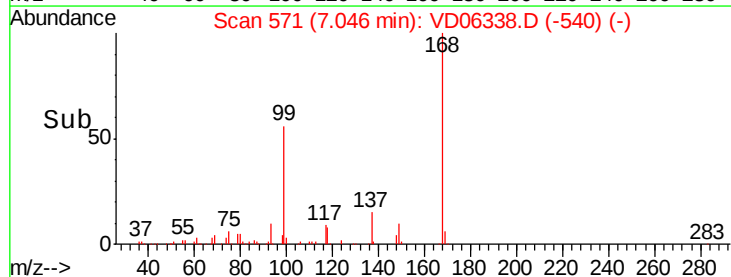
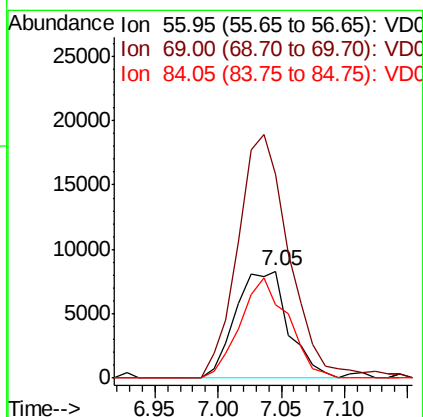
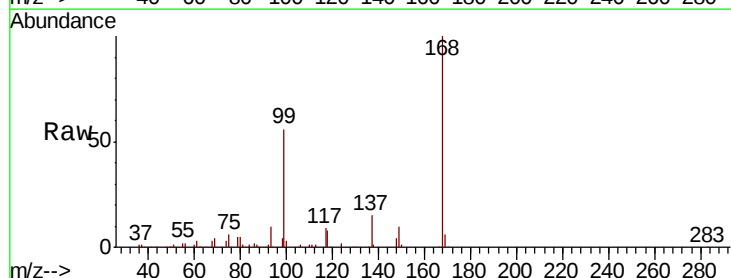
Instrument :
MSVOA_D
ClientSampled :

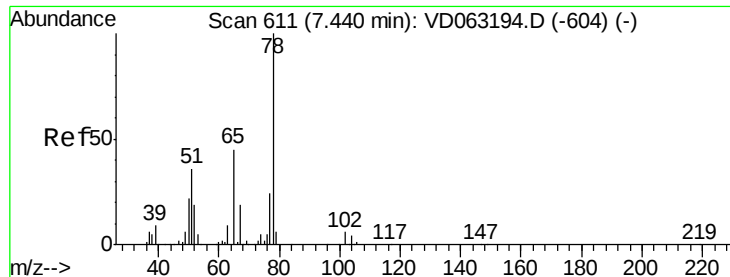
Tgt Ion: 84 Resp: 36073
Ion Ratio Lower Upper
84 100
49 133.6 112.5 168.7
51 40.6 29.6 44.4
86 65.8 50.4 75.6



#31
Cyclohexane
Concen: 2.105 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD06338.D
Acq: 3 Aug 2019 2:49

Tgt Ion: 56 Resp: 24147
Ion Ratio Lower Upper
56 100
69 189.8 24.5 36.7#
84 68.3 64.9 97.3





#33

1,2-Dichloroethane-d4

Concen: 46.661 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD06338.D

Acq: 3 Aug 2019 2:49

Instrument :

MSVOA_D

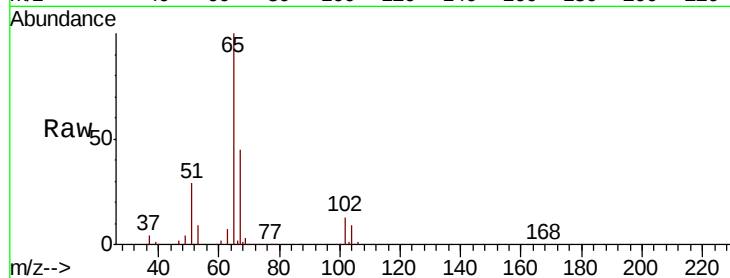
ClientSampled :

Tgt Ion: 65 Resp: 600865

Ion Ratio Lower Upper

65 100

67 44.6 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

250000

200000

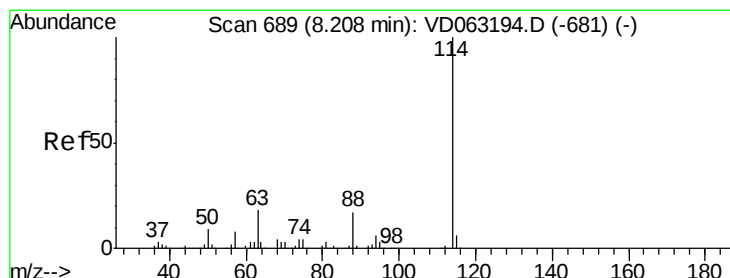
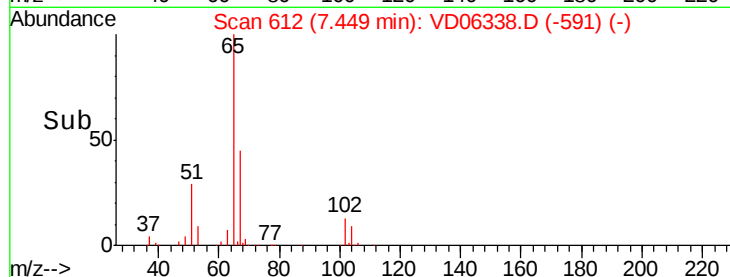
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.00 min

Lab File: VD06338.D

Acq: 3 Aug 2019 2:49

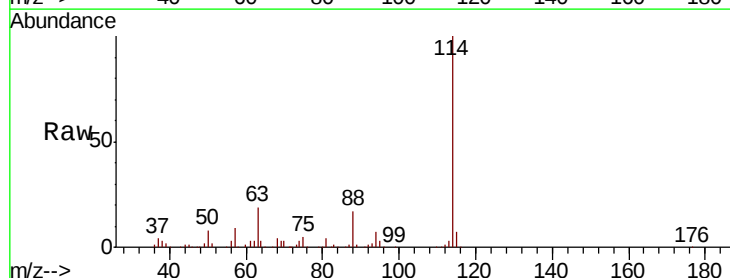
Tgt Ion: 114 Resp: 1659719

Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.2

88 16.8 0.0 34.6



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

8.21

800000

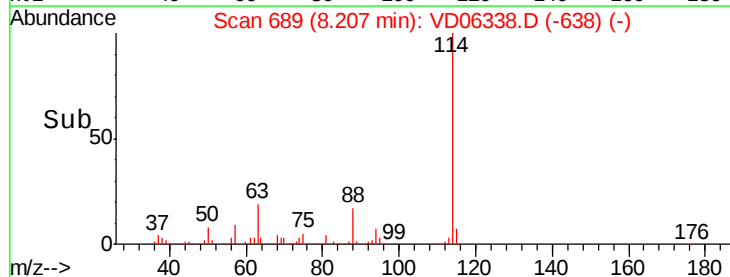
600000

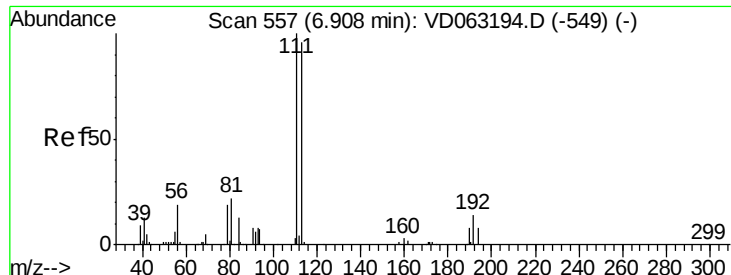
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.102 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD06338.D

Acq: 3 Aug 2019 2:49

Instrument :

MSVOA_D

ClientSampleId :

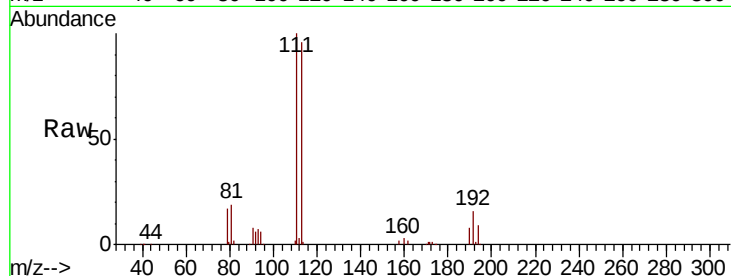
Tgt Ion:113 Resp: 681631

Ion Ratio Lower Upper

113 100

111 104.1 83.2 124.8

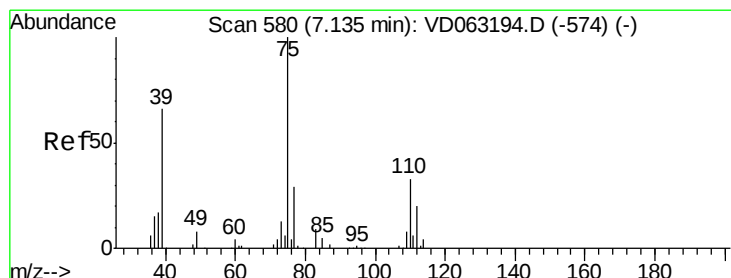
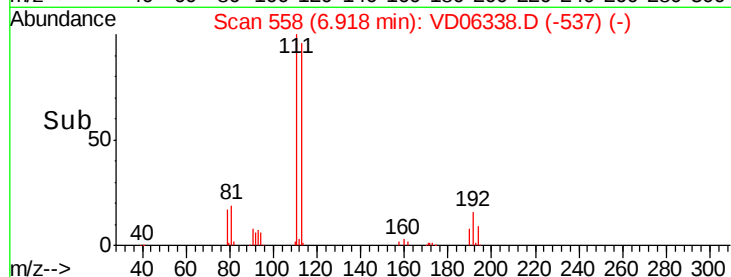
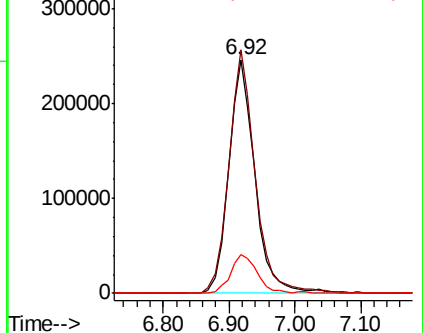
192 16.7 11.8 17.8



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: 5.918 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD06338.D

Acq: 3 Aug 2019 2:49

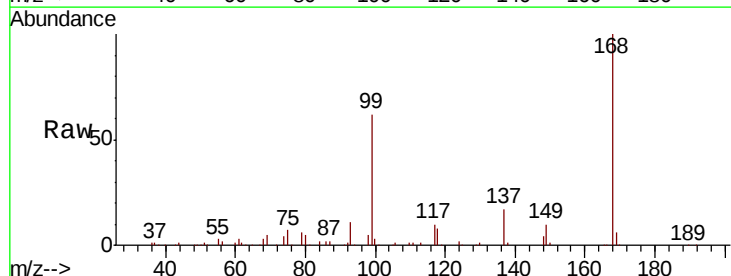
Tgt Ion: 75 Resp: 89633

Ion Ratio Lower Upper

75 100

110 8.9 16.1 48.2#

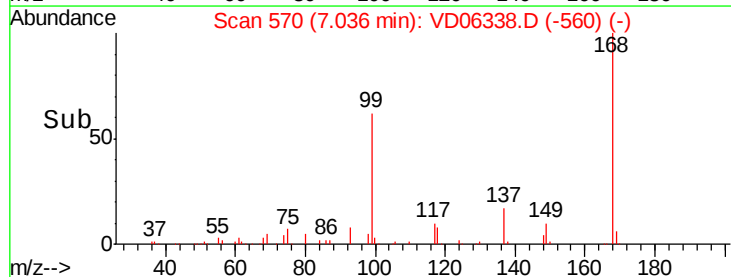
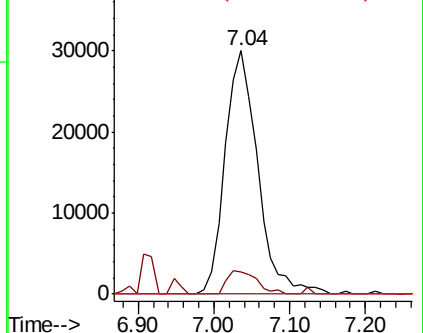
77 0.0 22.7 34.1#

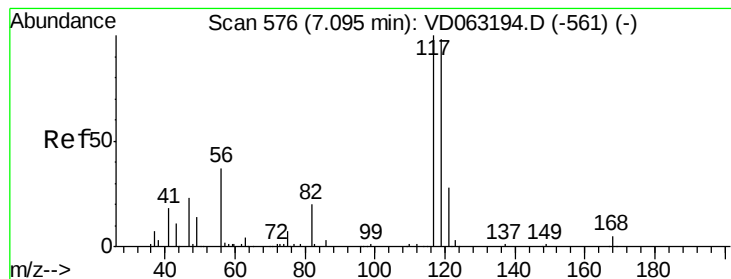


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.113 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD06338.D

Acq: 3 Aug 2019 2:49

Instrument :

MSVOA_D

ClientSampled :

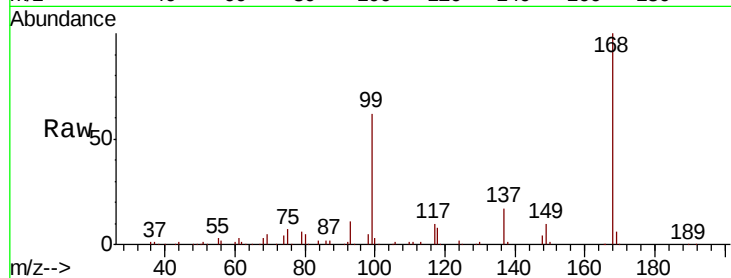
Tgt Ion:117 Resp: 116598

Ion Ratio Lower Upper

117 100

119 4.1 78.2 117.2#

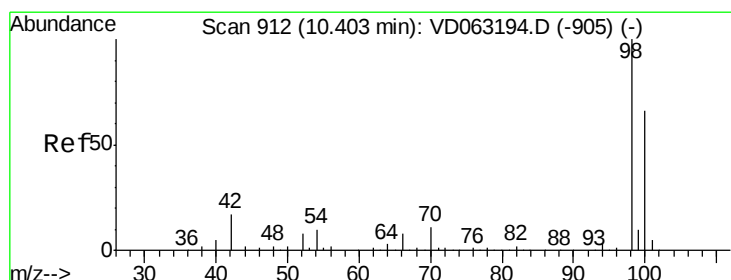
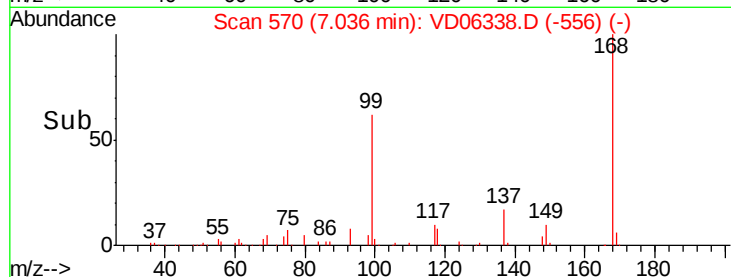
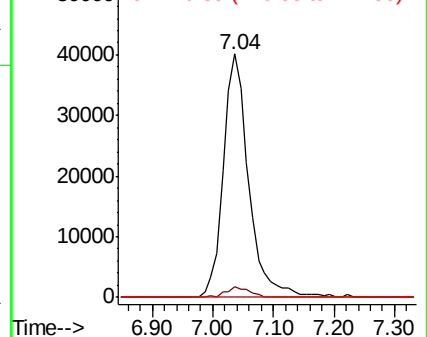
121 0.0 22.1 33.1#



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: 45.237 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD06338.D

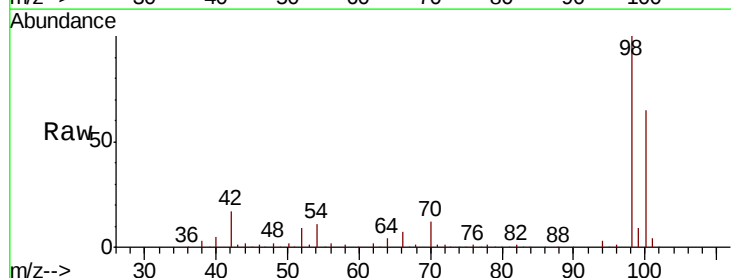
Acq: 3 Aug 2019 2:49

Tgt Ion: 98 Resp: 1434622

Ion Ratio Lower Upper

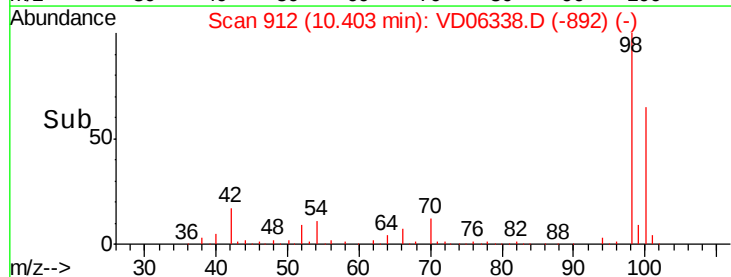
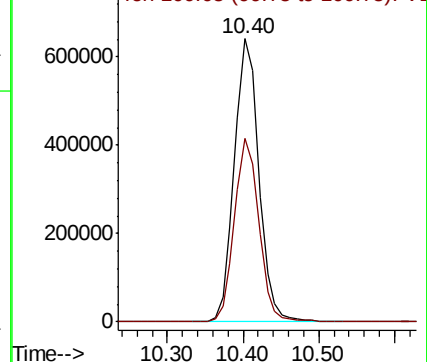
98 100

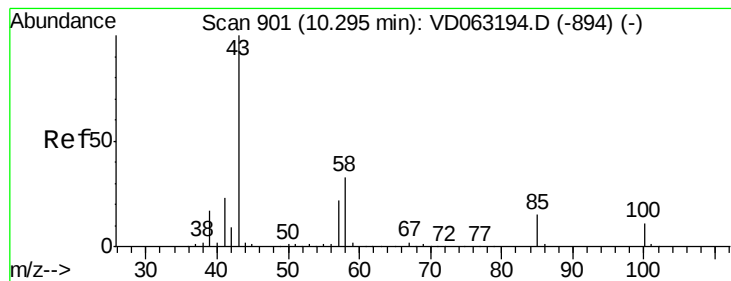
100 64.8 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.507 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD06338.D

Acq: 3 Aug 2019 2:49

Instrument :

MSVOA_D

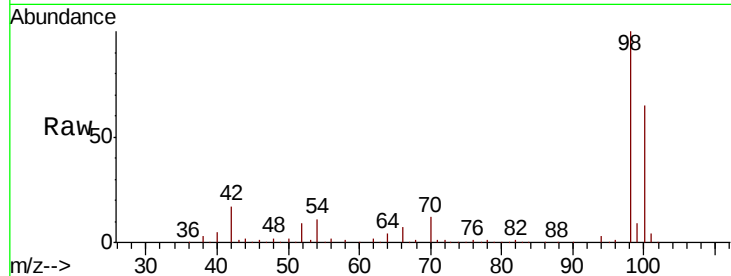
ClientSampleId :

Tgt Ion: 43 Resp: 8909

Ion Ratio Lower Upper

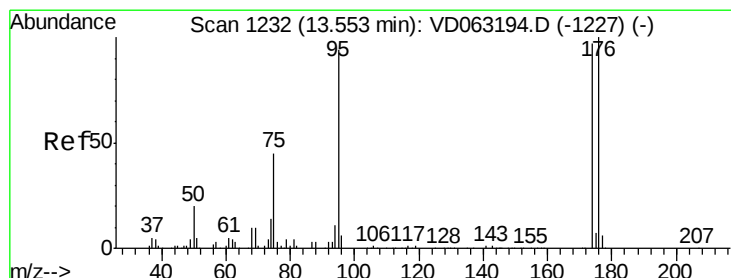
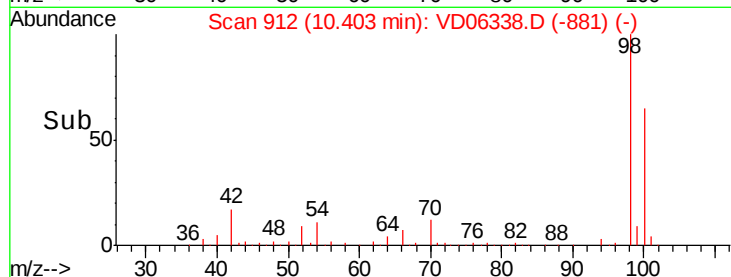
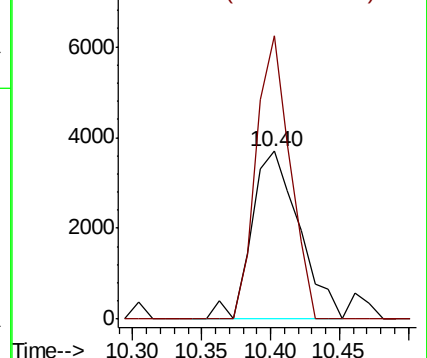
43 100

58 168.5 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 39.087 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD06338.D

Acq: 3 Aug 2019 2:49

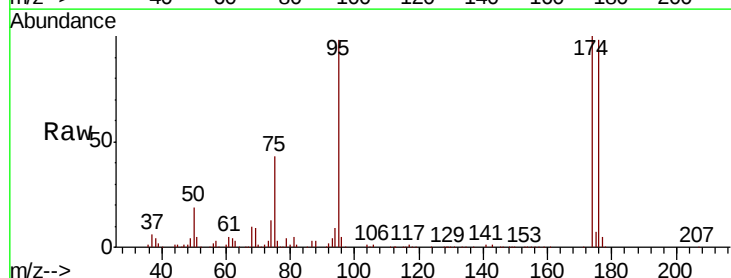
Tgt Ion: 95 Resp: 564866

Ion Ratio Lower Upper

95 100

174 101.9 0.0 205.4

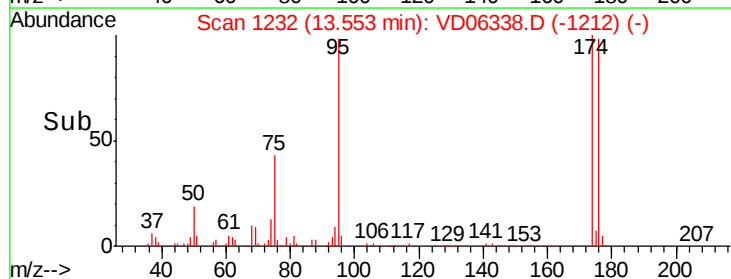
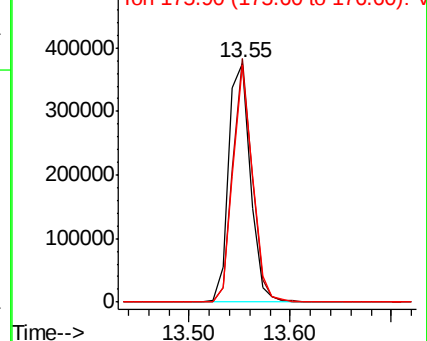
176 99.5 0.0 211.8

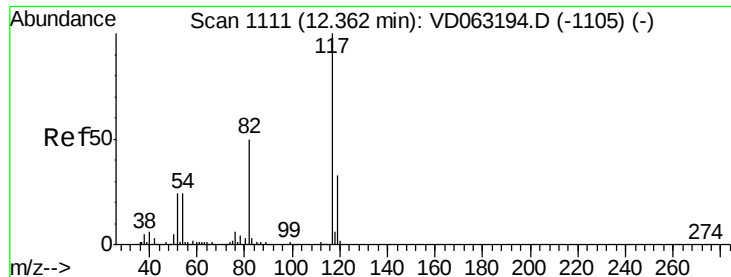


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

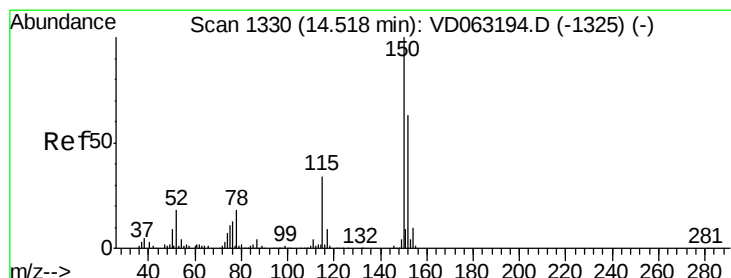
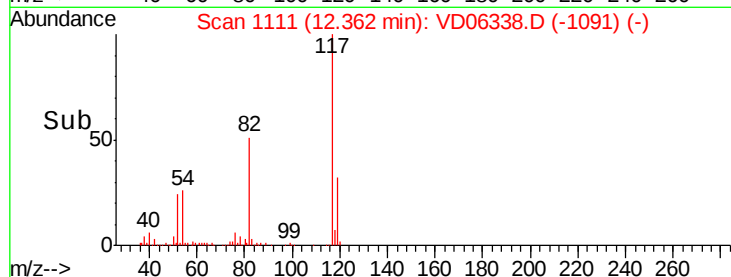
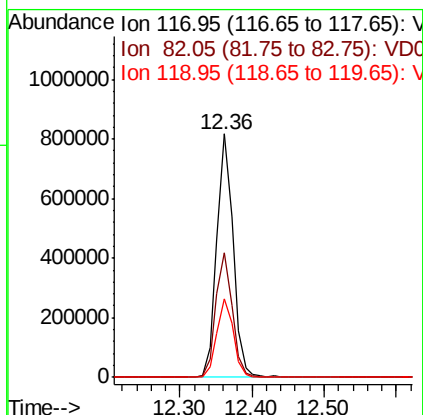
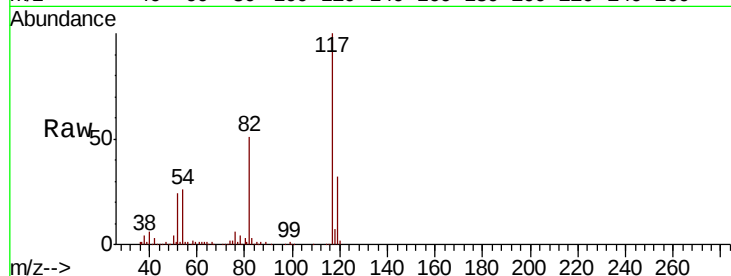




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD06338.D
Acq: 3 Aug 2019 2:49

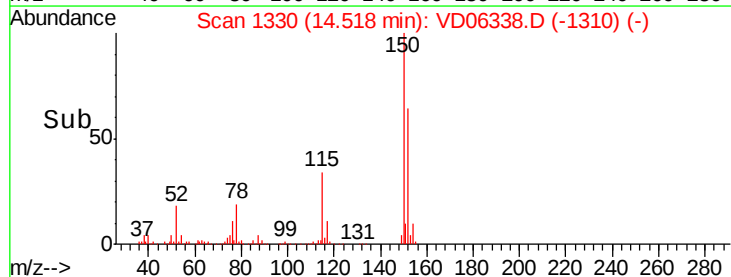
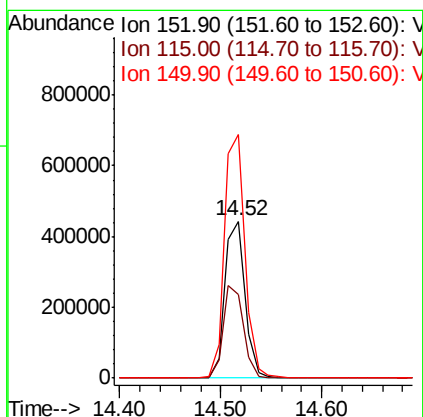
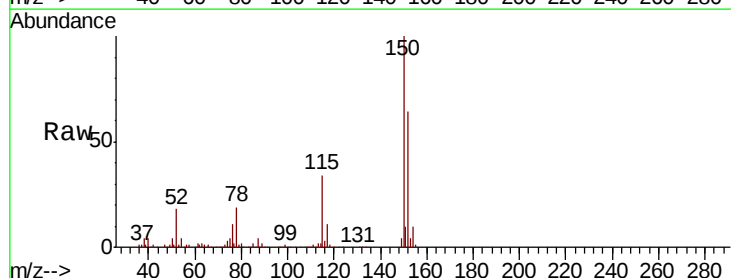
Instrument :
MSVOA_D
ClientSampled :

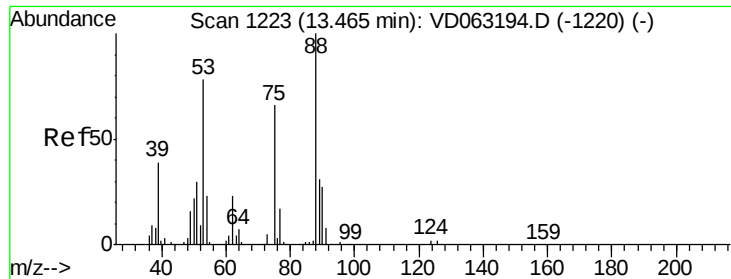
Tgt Ion:117 Resp: 1269264
Ion Ratio Lower Upper
117 100
82 51.4 40.1 60.1
119 32.1 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD06338.D
Acq: 3 Aug 2019 2:49

Tgt Ion:152 Resp: 613741
Ion Ratio Lower Upper
152 100
115 53.3 27.5 82.4
150 155.3 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 124.773 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD06338.D

Acq: 3 Aug 2019 2:49

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75 Resp: 255410

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

