

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080319\
 Data File : VD063357.D
 Acq On : 3 Aug 2019 13:19
 Operator : VA/AP
 Sample : K4136-02
 Misc : 5.31g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-C1-(0-1)

Quant Time: Aug 04 06:06:57 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	1060243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1452708	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1154804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	521267	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	503951	42.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.68%	
35) Dibromofluoromethane	6.92	113	643468	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.40	98	1436133	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
62) 4-Bromofluorobenzene	13.55	95	586544	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

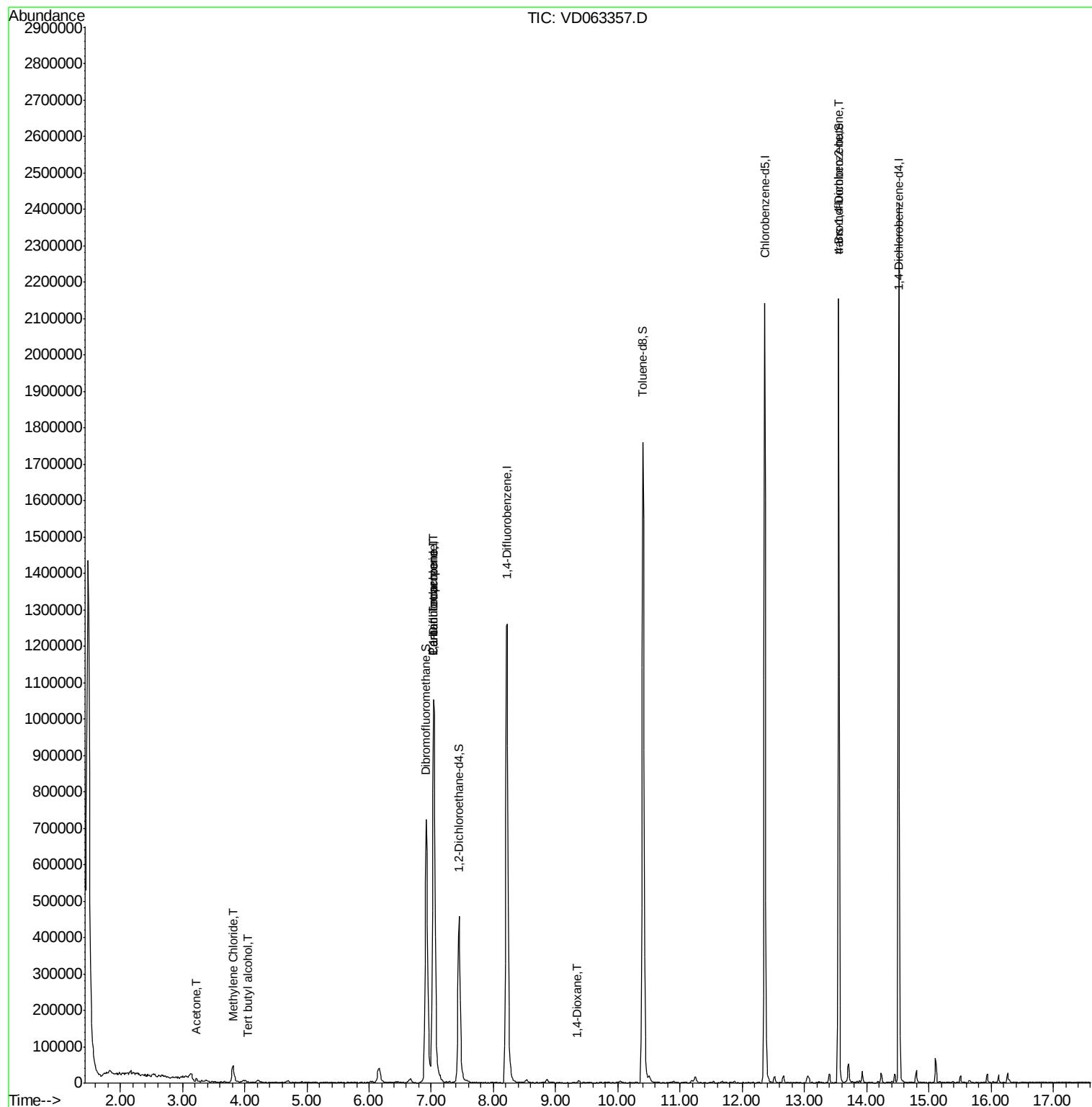
Target Compounds						Qvalue
11) Tert butyl alcohol	4.05	59	1071	2.074	ug/l #	69
16) Acetone	3.23	43	4451	1.942	ug/l	96
20) Methylene Chloride	3.81	84	29231	3.155	ug/l #	93
36) 1,1-Dichloropropene	7.04	75	78497	5.921	ug/l #	51
38) Carbon Tetrachloride	7.04	117	110392	5.531	ug/l #	14
49) 1,4-Dioxane	9.34	88	219	1.127	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	262162	150.791	ug/l #	3

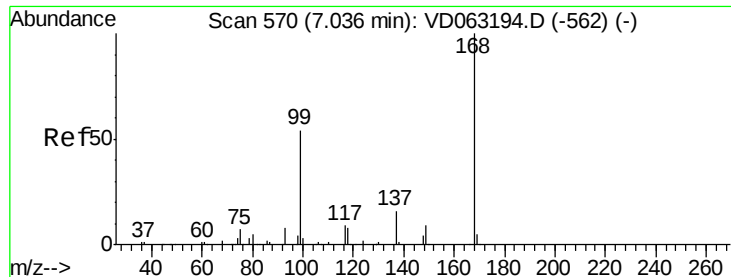
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1S-C1-(0-1)

Quant Time: Aug 04 06:06:57 2019
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# 571

Delta R.T. 0.01 min

Lab File: VD063357.D

Acq: 3 Aug 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

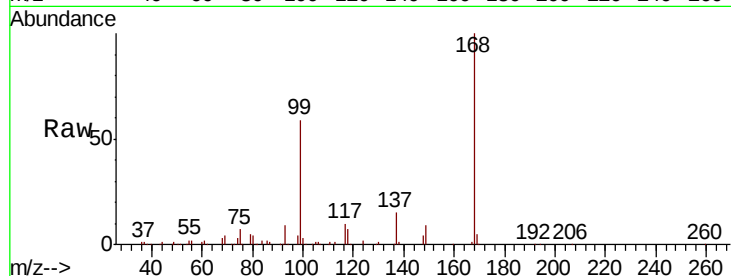
1S-C1-(0-1)

Tgt Ion:168 Resp: 1060243

Ion Ratio Lower Upper

168 100

99 58.5 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

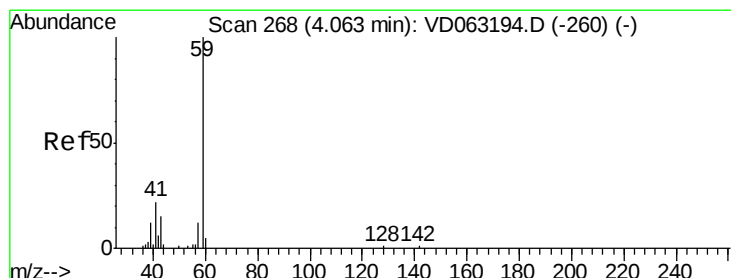
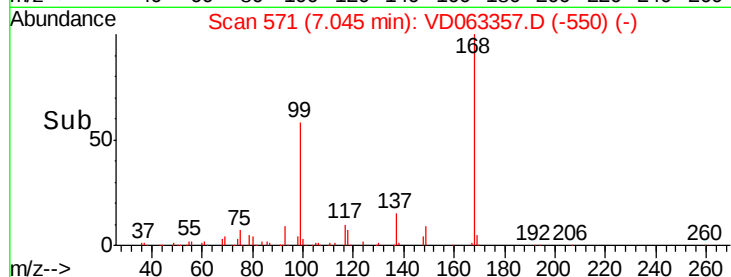
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.074 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD063357.D

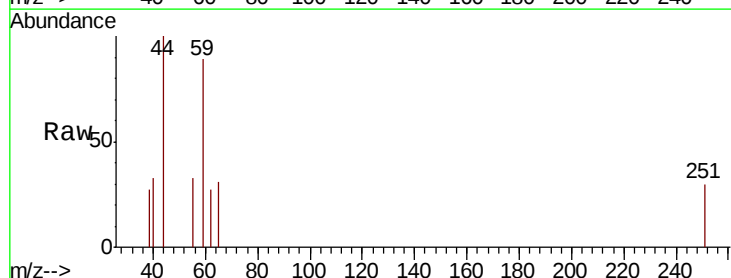
Acq: 3 Aug 2019 13:19

Tgt Ion: 59 Resp: 1071

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.05

1200

1000

800

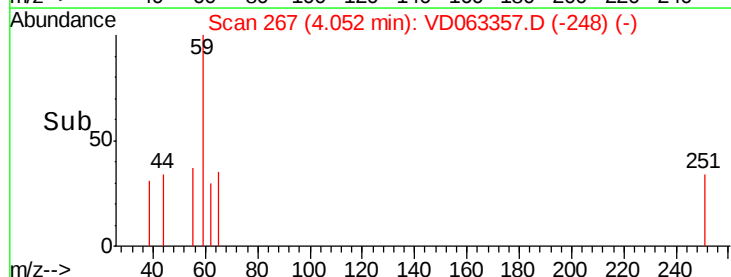
600

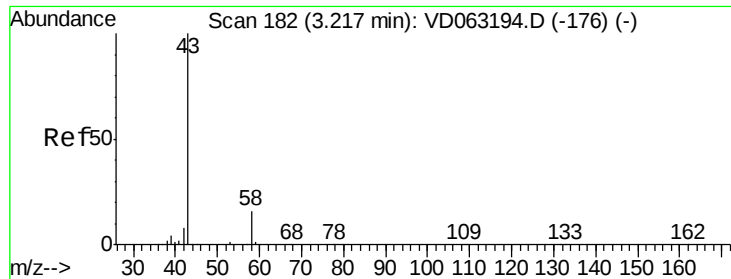
400

200

0

Time-->





#16

Acetone

Concen: 1.942 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063357.D

Acq: 3 Aug 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

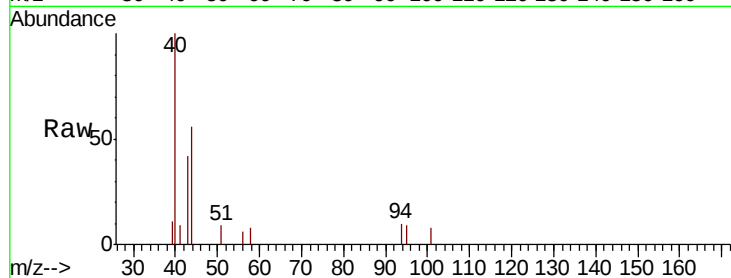
1S-C1-(0-1)

Tgt Ion: 43 Resp: 4451

Ion Ratio Lower Upper

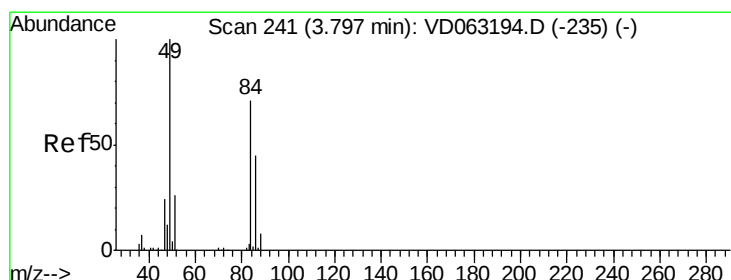
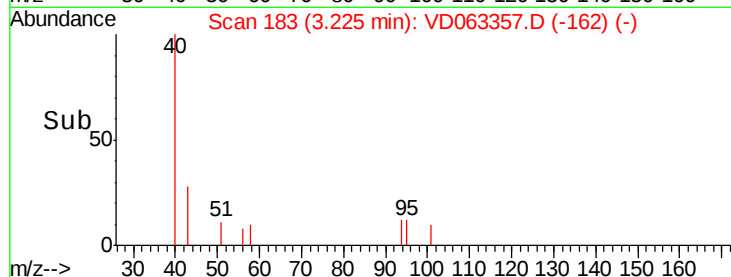
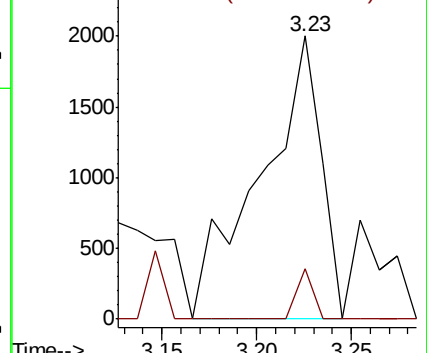
43 100

58 18.0 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.155 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063357.D

Acq: 3 Aug 2019 13:19

Tgt Ion: 84 Resp: 29231

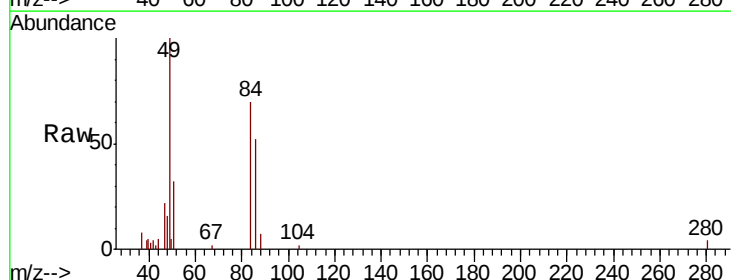
Ion Ratio Lower Upper

84 100

49 142.2 112.5 168.7

51 45.9 29.6 44.4#

86 73.5 50.4 75.6

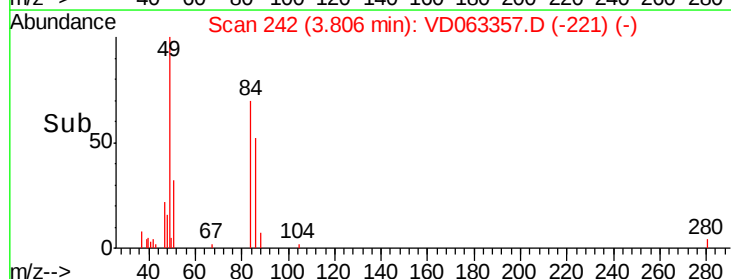
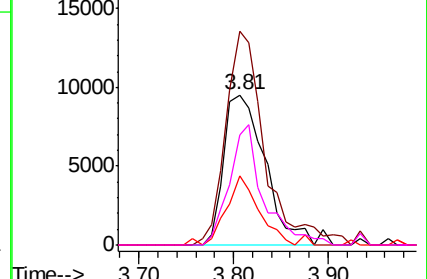


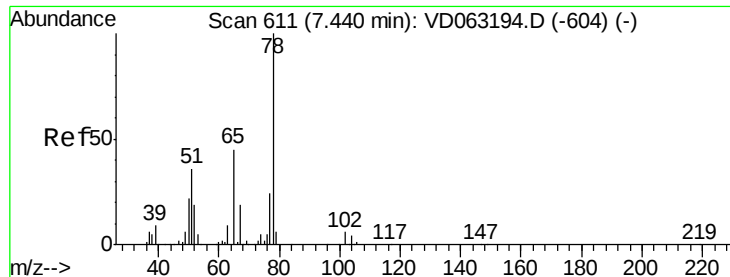
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: 42.837 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063357.D

Acq: 3 Aug 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

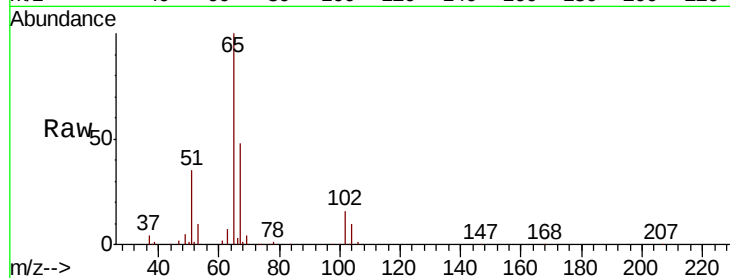
1S-C1-(0-1)

Tgt Ion: 65 Resp: 503951

Ion Ratio Lower Upper

65 100

67 47.5 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

200000

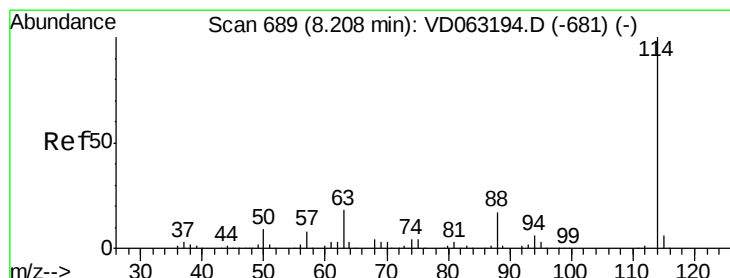
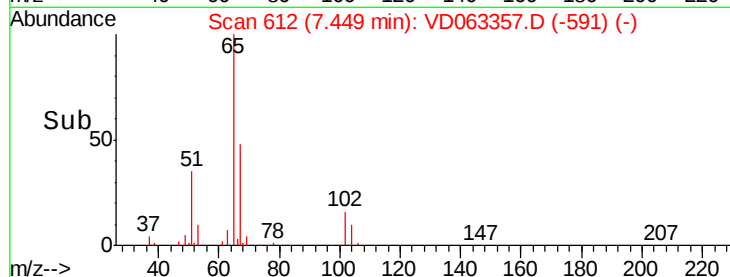
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063357.D

Acq: 3 Aug 2019 13:19

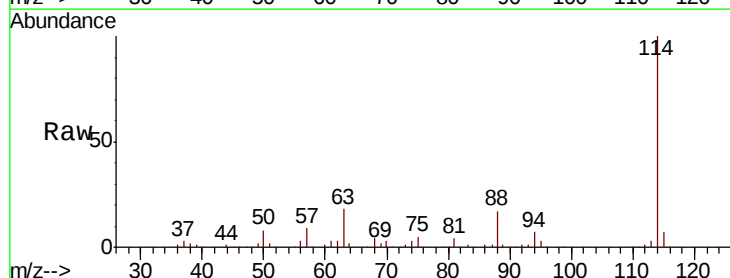
Tgt Ion: 114 Resp: 1452708

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

88 17.2 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

8.22

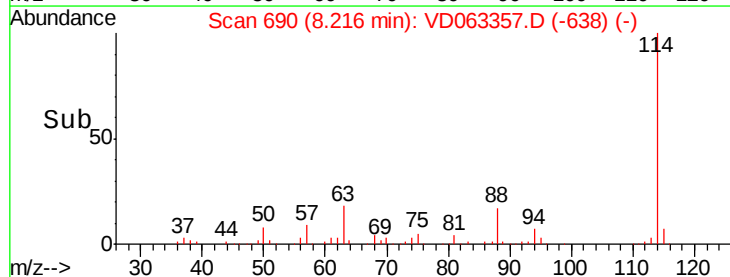
600000

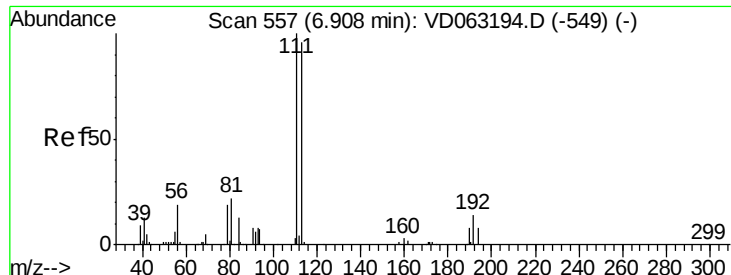
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.880 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063357.D

Acq: 3 Aug 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

1S-C1-(0-1)

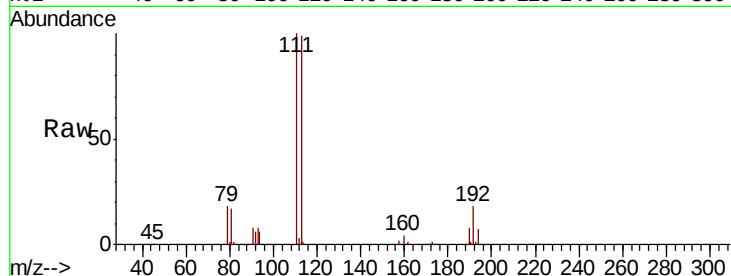
Tgt Ion:113 Resp: 643468

Ion Ratio Lower Upper

113 100

111 101.4 83.2 124.8

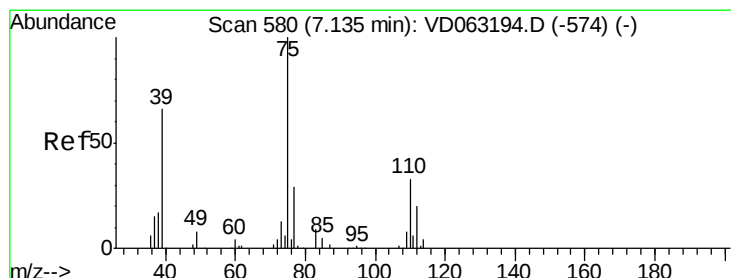
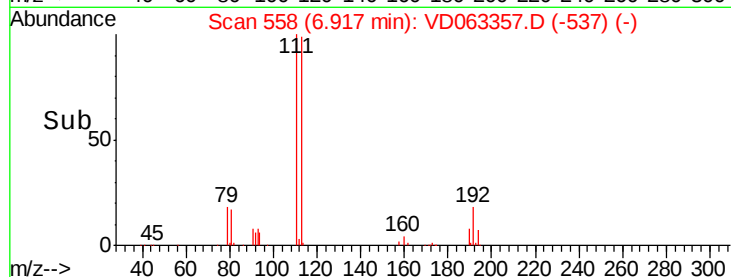
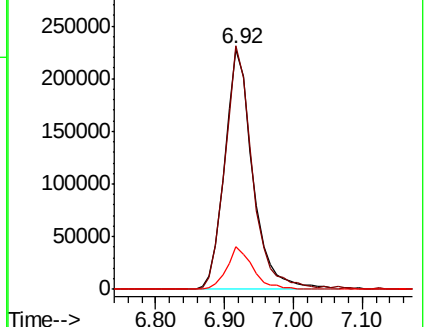
192 17.8 11.8 17.8



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: 5.921 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063357.D

Acq: 3 Aug 2019 13:19

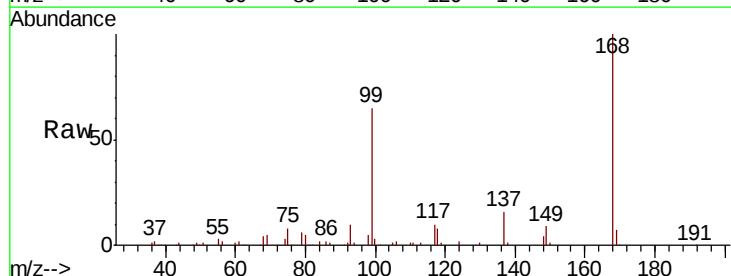
Tgt Ion: 75 Resp: 78497

Ion Ratio Lower Upper

75 100

110 7.2 16.1 48.2#

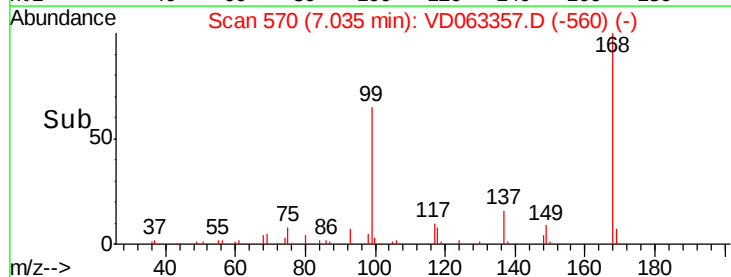
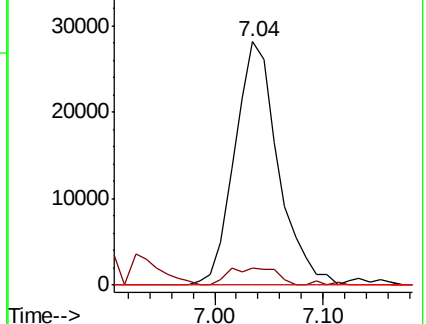
77 0.0 22.7 34.1#

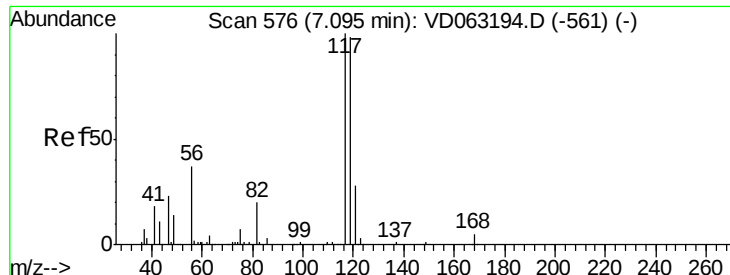


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.531 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063357.D

Acq: 3 Aug 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

1S-C1-(0-1)

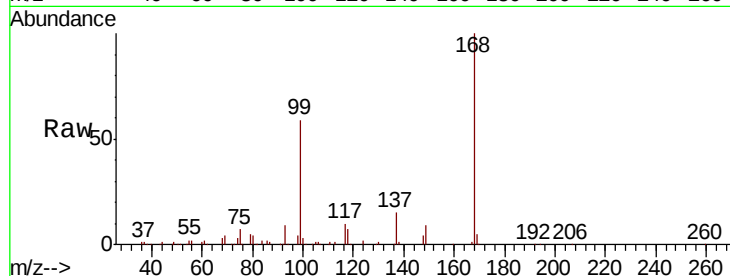
Tgt Ion:117 Resp: 110392

Ion Ratio Lower Upper

117 100

119 3.5 78.2 117.2#

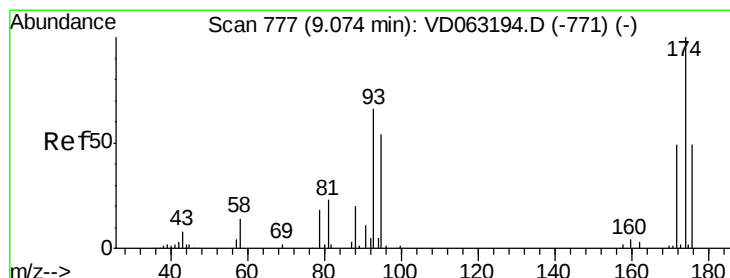
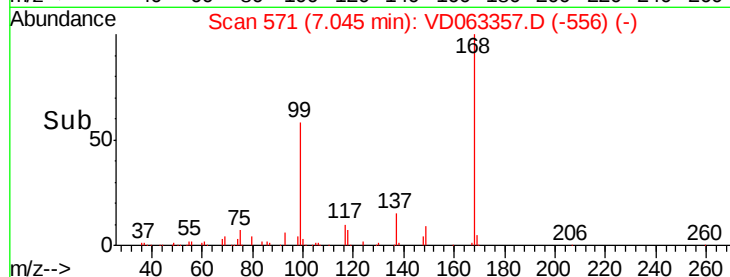
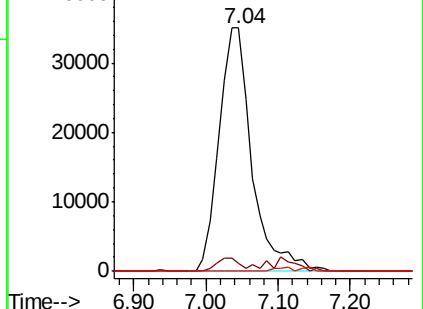
121 0.0 22.1 33.1#



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



#49

1,4-Dioxane

Concen: 1.127 ug/l

RT: 9.34 min Scan# 804

Delta R.T. 0.27 min

Lab File: VD063357.D

Acq: 3 Aug 2019 13:19

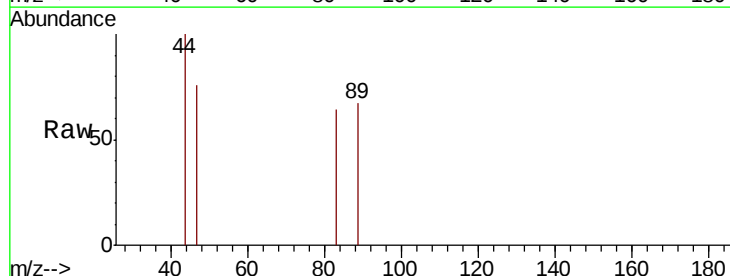
Tgt Ion: 88 Resp: 219

Ion Ratio Lower Upper

88 100

43 148.8 30.7 46.1#

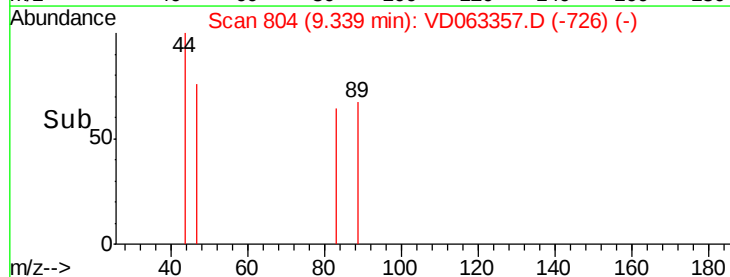
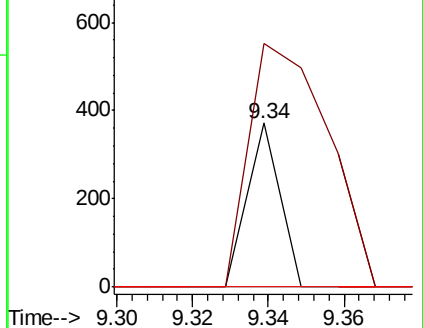
58 0.0 56.5 84.7#

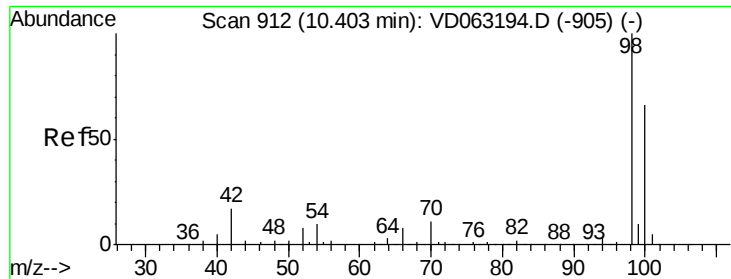


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

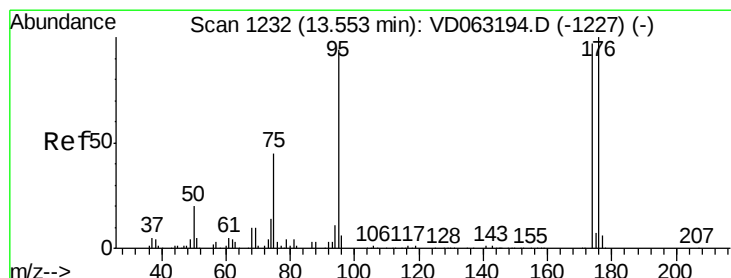
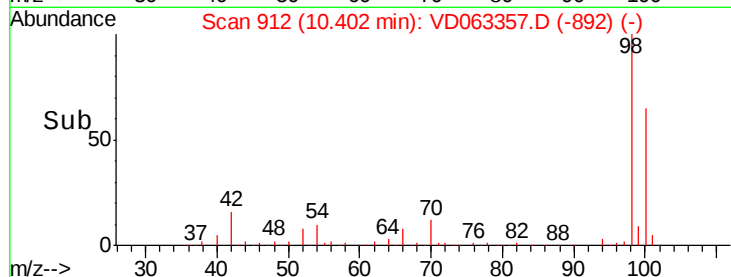
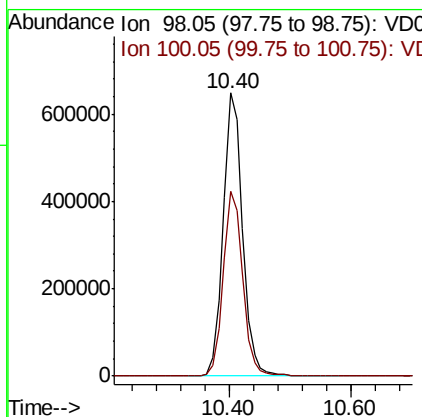
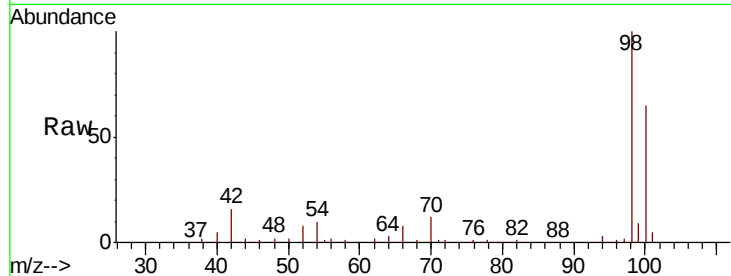




#50
Toluene-d8
Concen: 51.738 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD063357.D
Acq: 3 Aug 2019 13:19

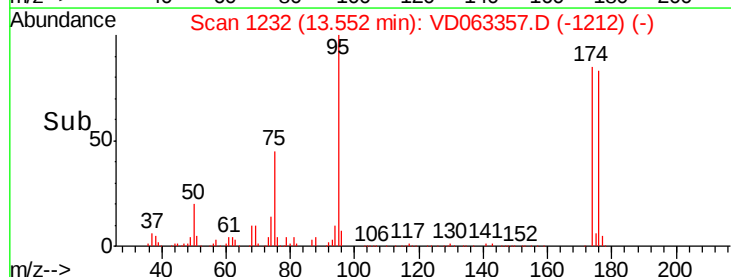
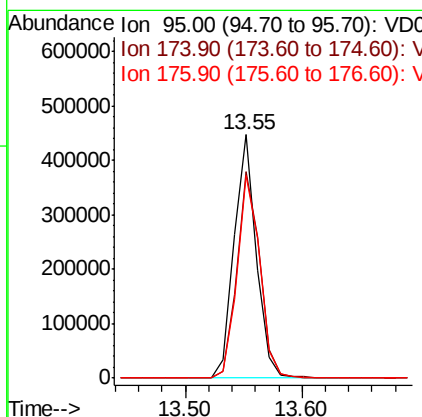
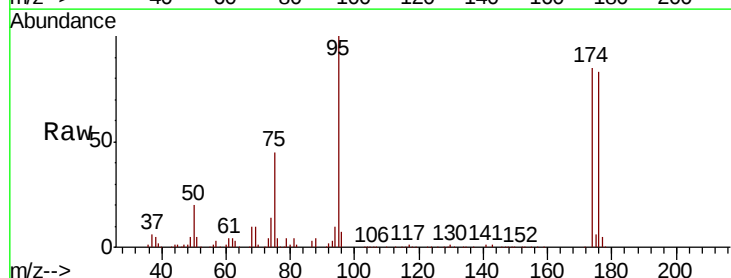
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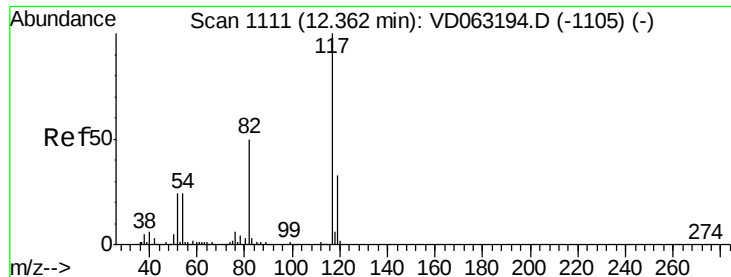
Tgt Ion: 98 Resp: 1436133
Ion Ratio Lower Upper
98 100
100 65.3 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 46.370 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD063357.D
Acq: 3 Aug 2019 13:19

Tgt Ion: 95 Resp: 586544
Ion Ratio Lower Upper
95 100
174 84.7 0.0 205.4
176 83.3 0.0 211.8

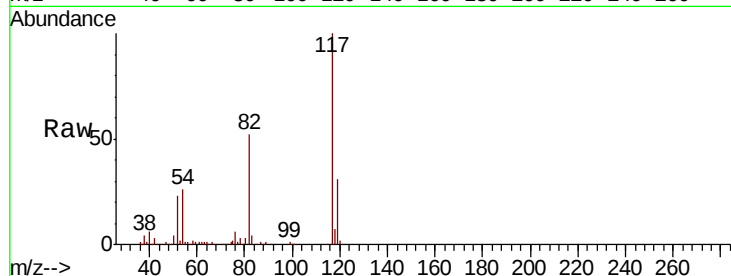




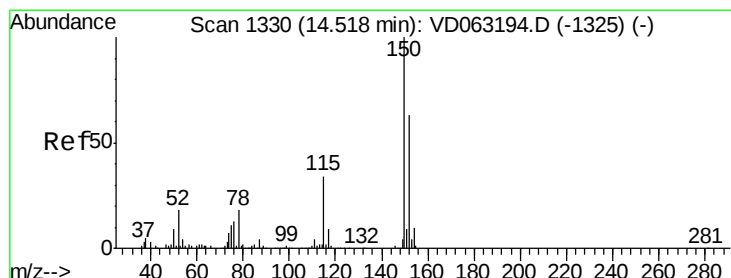
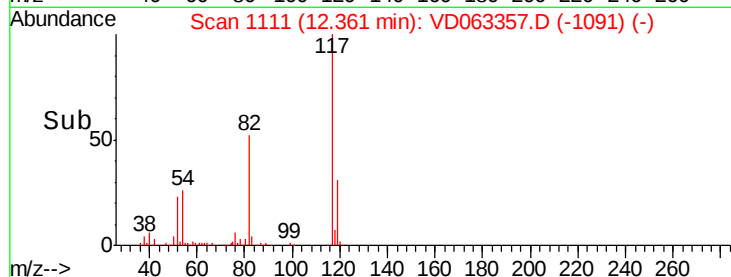
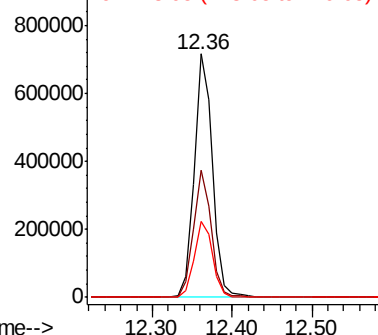
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD063357.D
Acq: 3 Aug 2019 13:19

Instrument :
MSVOA_D
ClientSampleId :
1S-C1-(0-1)

Tgt Ion:117 Resp: 1154804
Ion Ratio Lower Upper
117 100
82 52.0 40.1 60.1
119 31.3 26.5 39.7

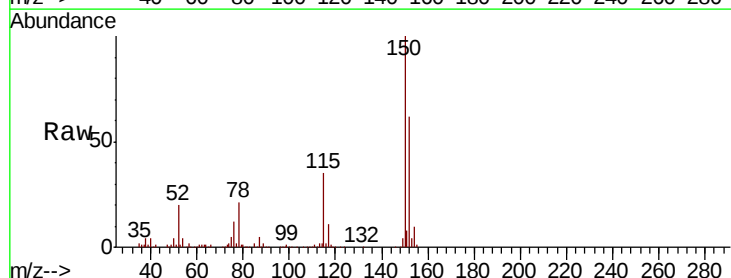


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

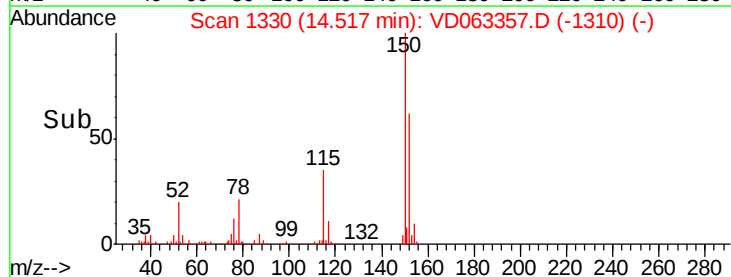
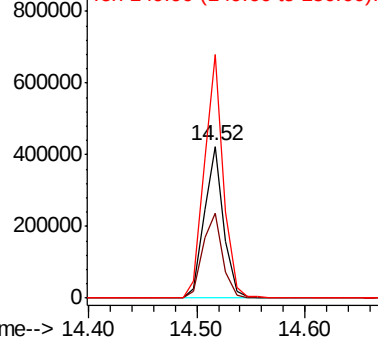


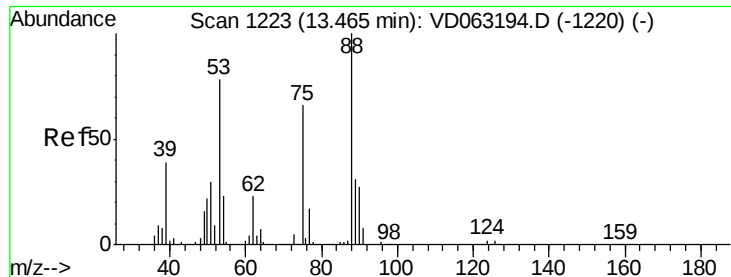
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063357.D
Acq: 3 Aug 2019 13:19

Tgt Ion:152 Resp: 521267
Ion Ratio Lower Upper
152 100
115 55.9 27.5 82.4
150 160.2 0.0 320.6



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: 150.791 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063357.D

Acq: 3 Aug 2019 13:19

Instrument :

MSVOA_D

ClientSampleId :

1S-C1-(0-1)

Tgt Ion: 75 Resp: 262162

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

