

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063550.D
 Acq On : 14 Aug 2019 3:02
 Operator : JC/SY
 Sample : VD0813SBL02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:33:06 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	7.06	168	991152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1367641	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1213749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	619465	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	572012	53.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.98%	
35) Dibromofluoromethane	6.94	113	633078	54.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.92%	
50) Toluene-d8	10.41	98	1406507	55.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.08%	
62) 4-Bromofluorobenzene	13.55	95	574245	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.06%	

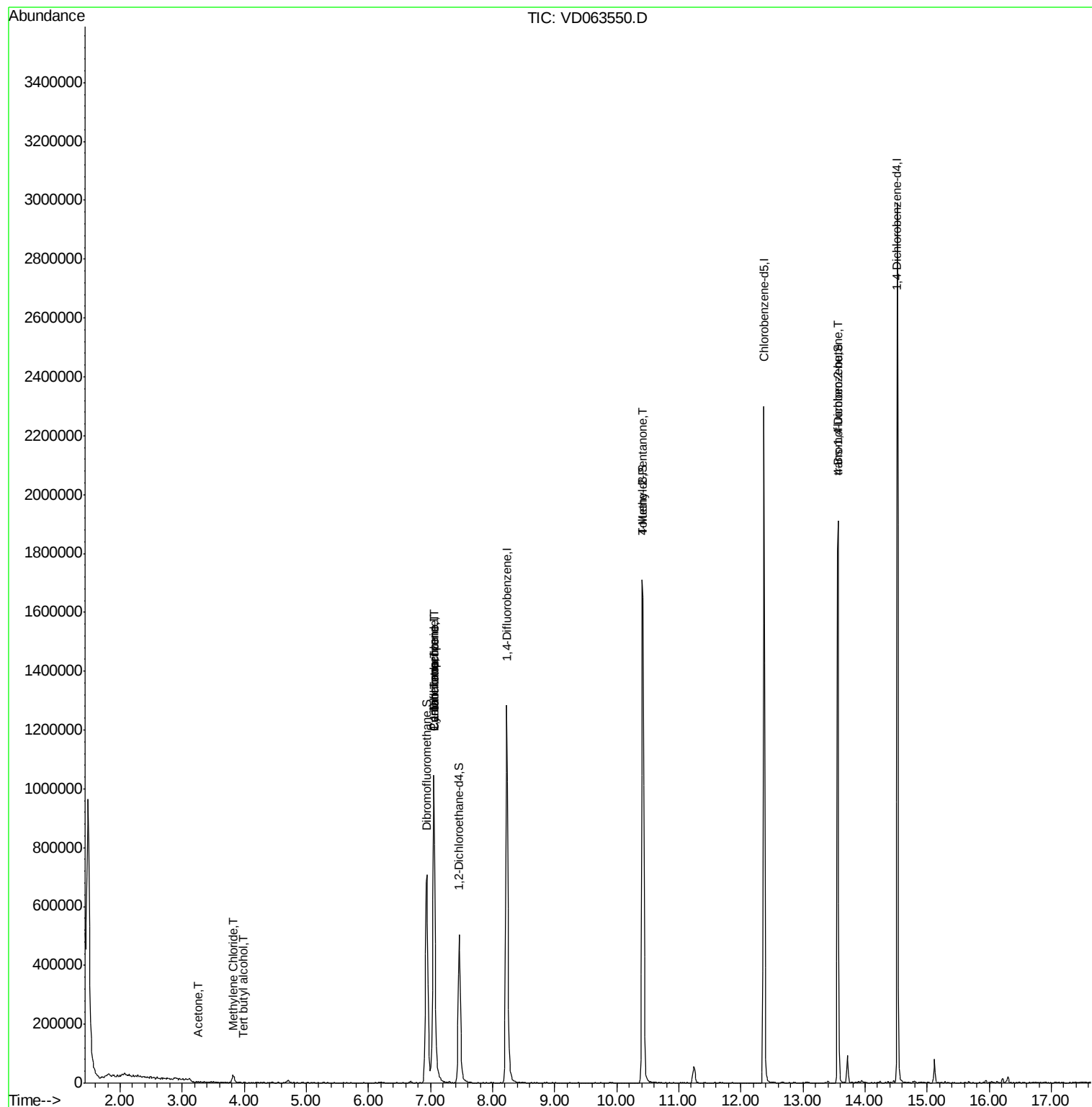
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.99	59	464	1.006	ug/l #	71
16) Acetone	3.25	43	4108	1.907	ug/l #	65
20) Methylene Chloride	3.82	84	13706	1.472	ug/l #	85
31) Cyclohexane	7.06	56	21182	2.214	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	71558	5.919	ug/l #	50
38) Carbon Tetrachloride	7.06	117	98392	5.400	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	8073	1.739	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	264942	138.654	ug/l #	1

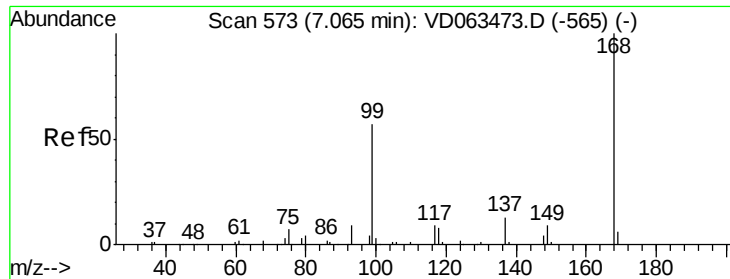
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081319\
Data File : VD063550.D
Acq On : 14 Aug 2019 3:02
Operator : JC/SY
Sample : VD0813SBL02
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 14 03:25:25 2019
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: 7.06 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063550.D

Acq: 14 Aug 2019 3:02

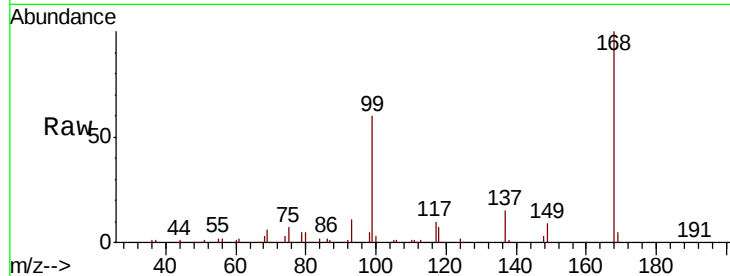
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 991152

Ion Ratio Lower Upper

168 100

99 60.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

300000

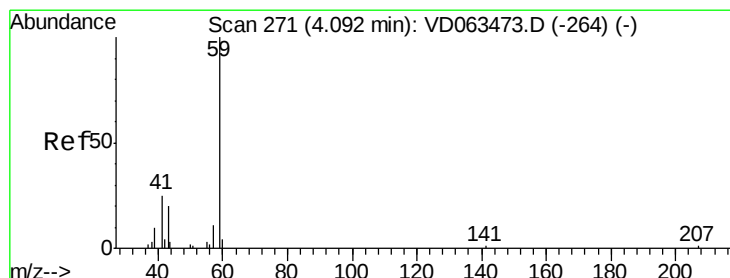
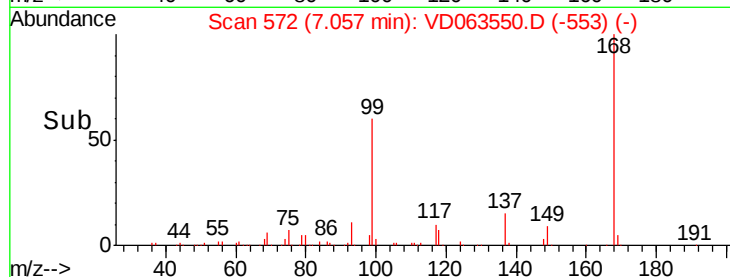
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#11

Tert butyl alcohol

Concen: 1.006 ug/l

RT: 3.99 min Scan# 261

Delta R.T. -0.10 min

Lab File: VD063550.D

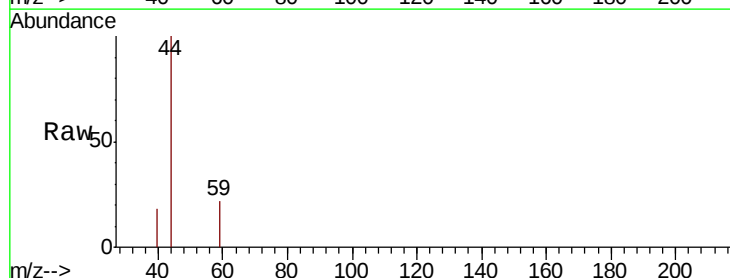
Acq: 14 Aug 2019 3:02

Tgt Ion: 59 Resp: 464

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.99

500

400

300

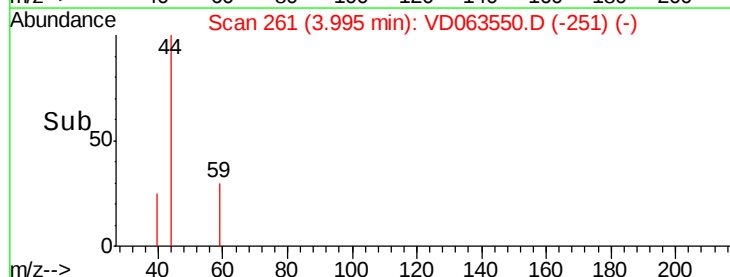
200

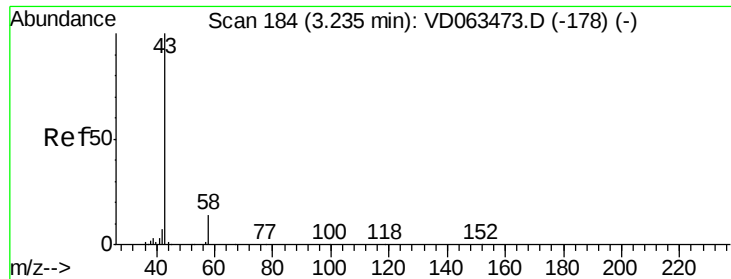
100

0

3.96 3.98 4.00 4.02 4.04

Time-->





#16

Acetone

Concen: 1.907 ug/l

RT: 3.25 min Scan# 185

Delta R.T. 0.01 min

Lab File: VD063550.D

Acq: 14 Aug 2019 3:02

Instrument :

MSVOA_D

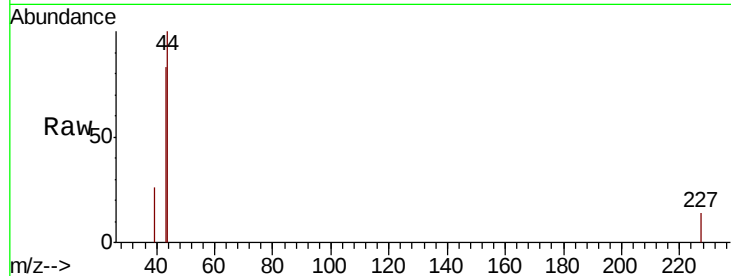
ClientSampleId :

Tot Ion: 43 Resp: 4108

Ion Ratio Lower Upper

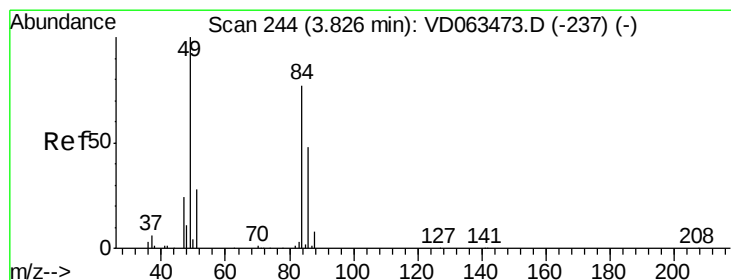
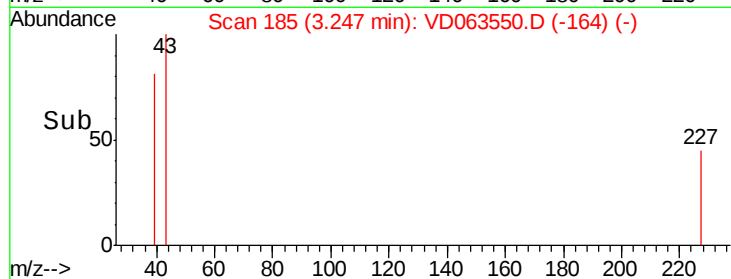
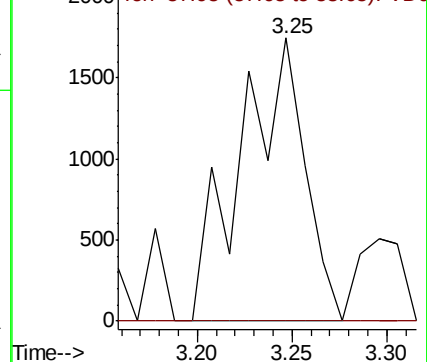
43 100

58 0.0 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.472 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD063550.D

Acq: 14 Aug 2019 3:02

Tgt Ion: 84 Resp: 13706

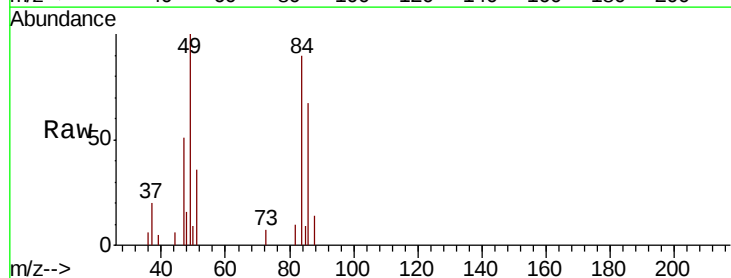
Ion Ratio Lower Upper

84 100

49 111.1 103.4 155.2

51 40.0 28.5 42.7

86 74.4 49.4 74.2#

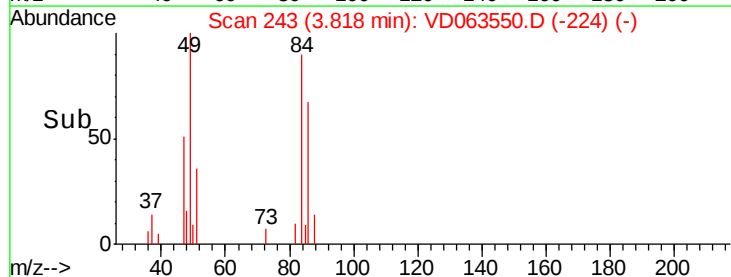
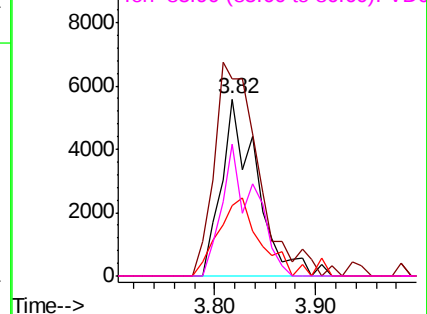


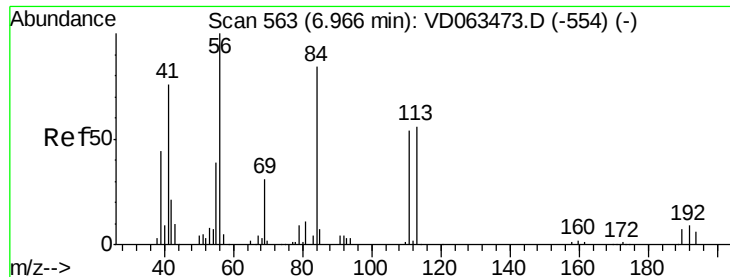
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

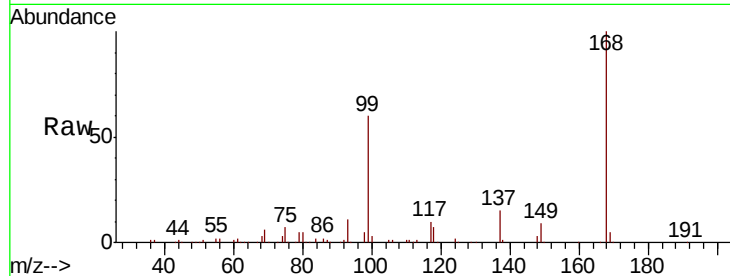




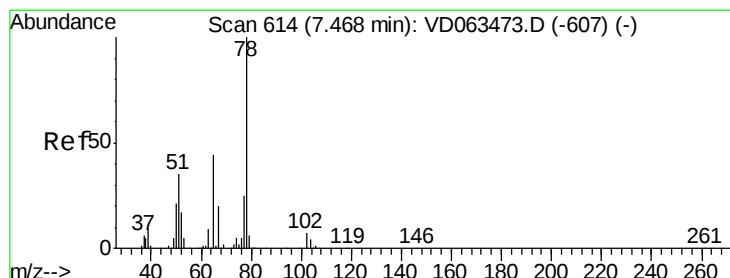
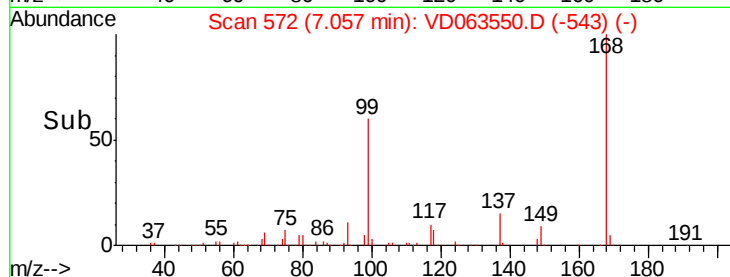
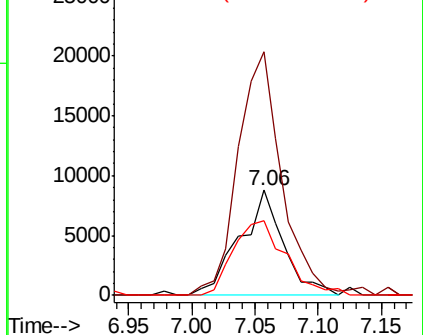
#31
Cyclohexane
Concen: 2.214 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD063550.D
Acq: 14 Aug 2019 3:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 21182
Ion Ratio Lower Upper
56 100
69 231.5 25.0 37.6#
84 71.5 69.7 104.5

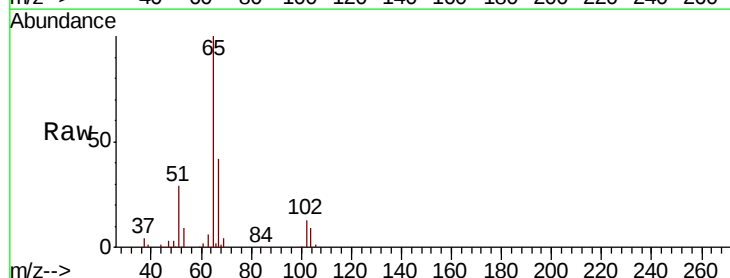


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

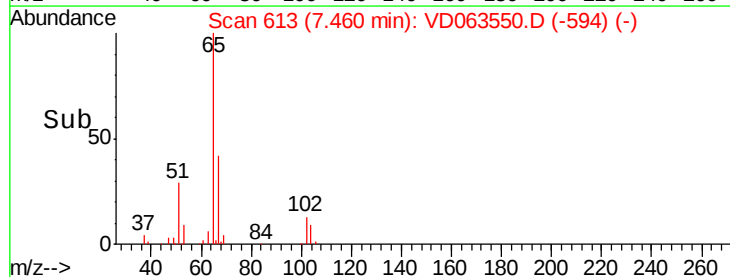
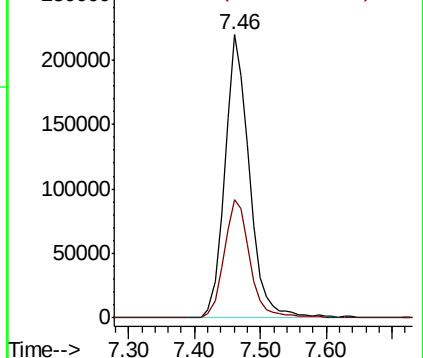


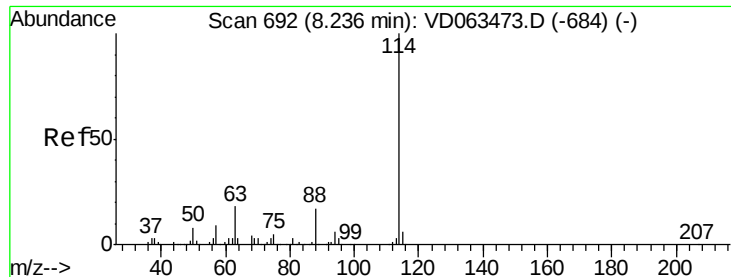
#33
1,2-Dichloroethane-d4
Concen: 53.991 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063550.D
Acq: 14 Aug 2019 3:02

Tgt Ion: 65 Resp: 572012
Ion Ratio Lower Upper
65 100
67 41.9 0.0 89.2



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: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063550.D

Acq: 14 Aug 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

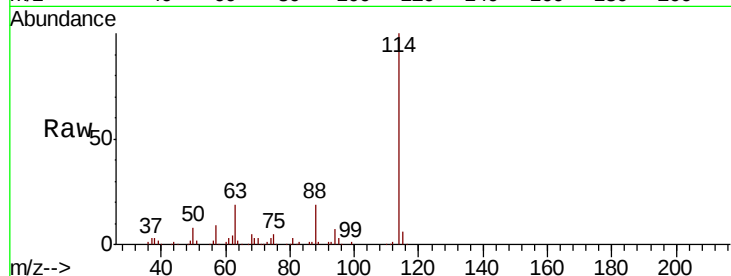
Tot Ion:114 Resp: 1367641

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.2

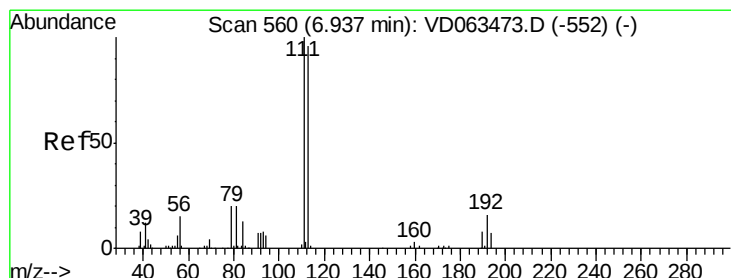
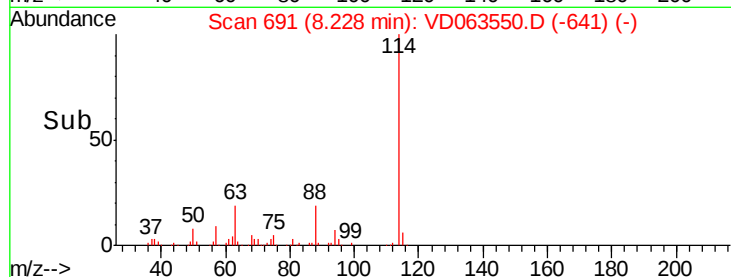
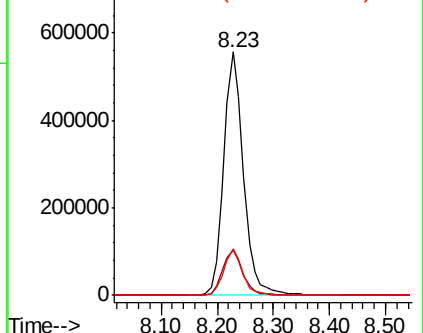
88 19.1 0.0 35.0



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



#35

Dibromofluoromethane

Concen: 54.963 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063550.D

Acq: 14 Aug 2019 3:02

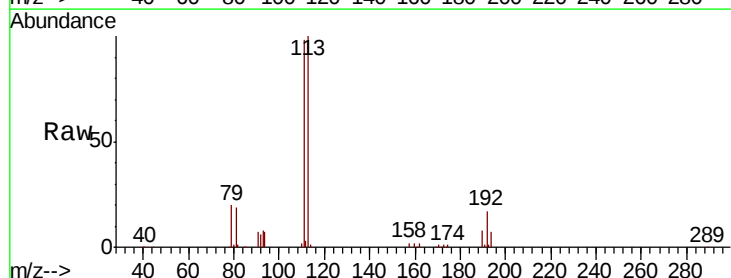
Tgt Ion:113 Resp: 633078

Ion Ratio Lower Upper

113 100

111 98.4 83.1 124.7

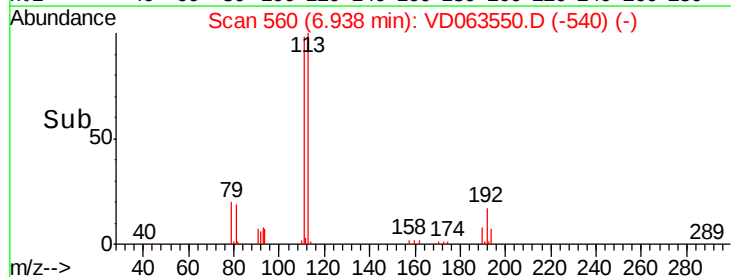
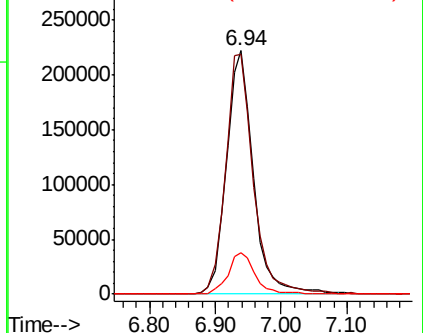
192 16.7 13.1 19.7

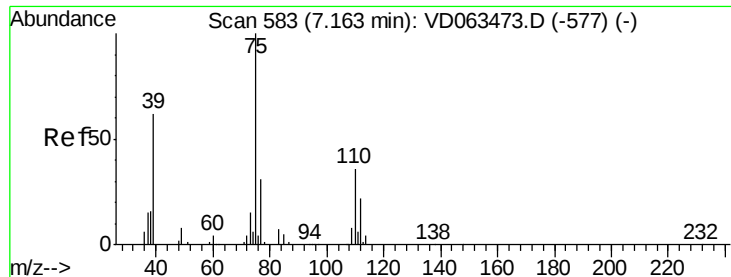


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.919 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.11 min

Lab File: VD063550.D

Acq: 14 Aug 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

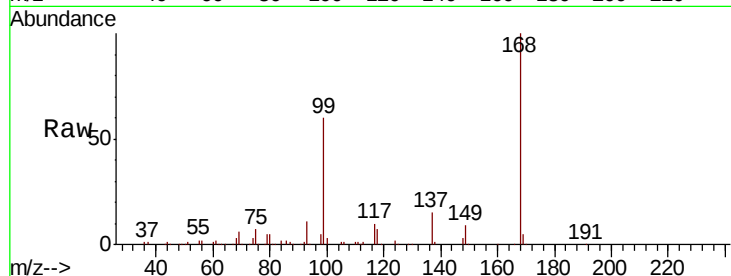
Tot Ion: 75 Resp: 71558

Ion Ratio Lower Upper

75 100

110 9.1 17.6 52.8#

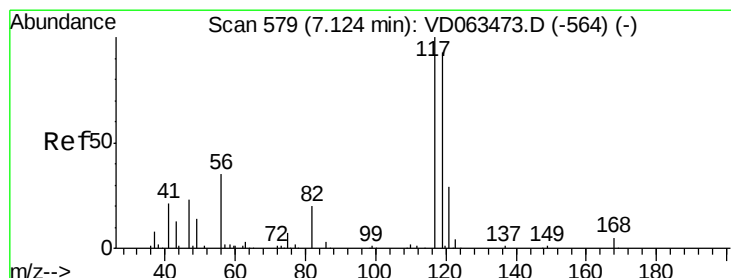
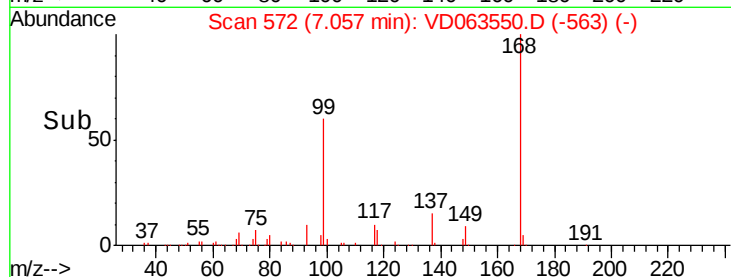
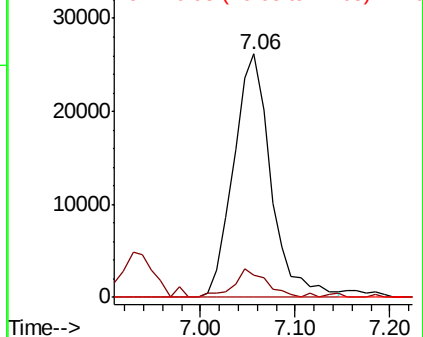
77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.400 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD063550.D

Acq: 14 Aug 2019 3:02

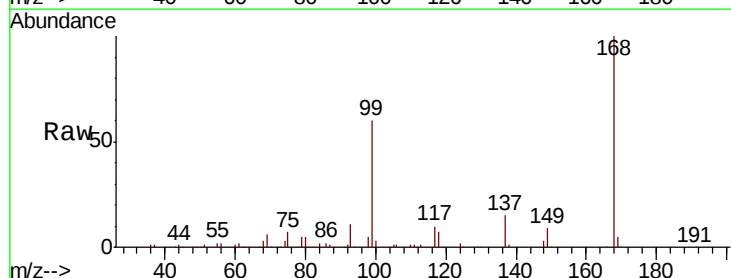
Tgt Ion: 117 Resp: 98392

Ion Ratio Lower Upper

117 100

119 3.6 74.2 111.2#

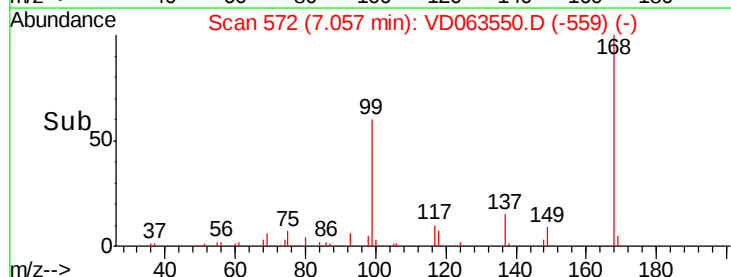
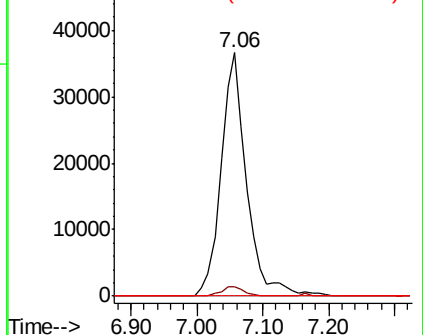
121 0.0 23.1 34.7#

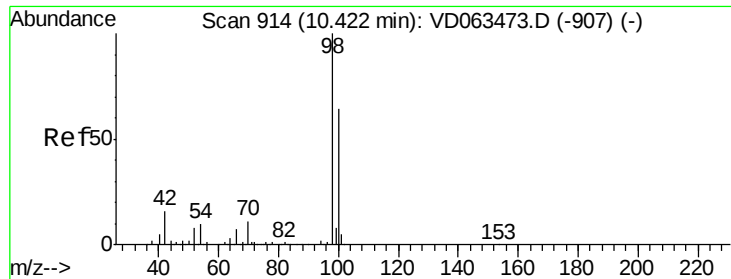


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

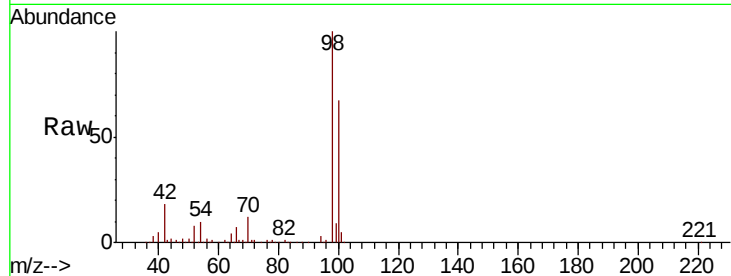




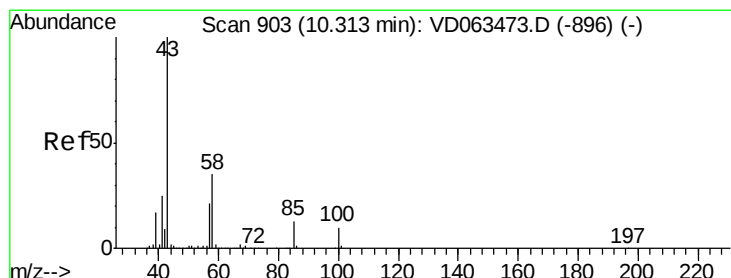
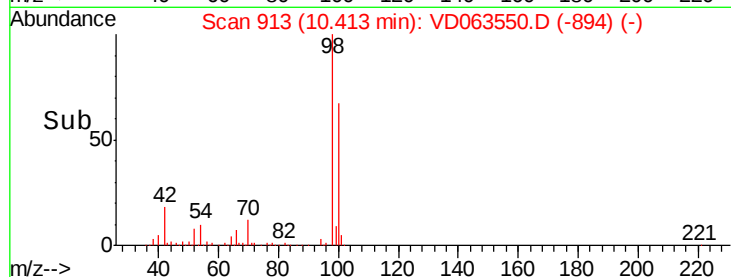
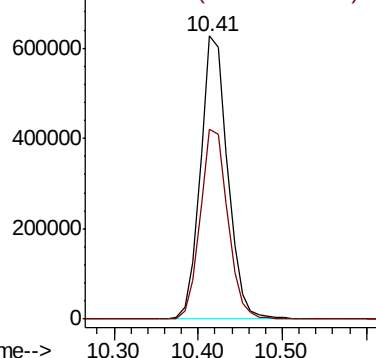
#50
Toluene-d8
Concen: 55.541 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063550.D
Acq: 14 Aug 2019 3:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 1406507
Ion Ratio Lower Upper
98 100
100 67.0 51.7 77.5

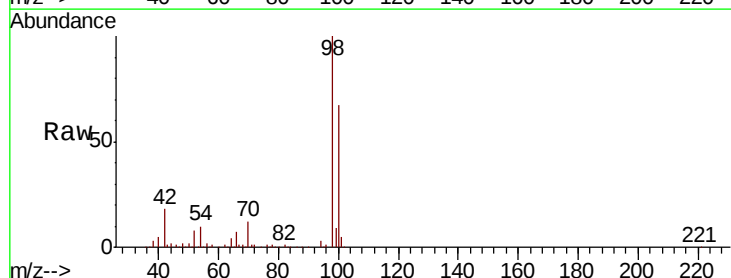


Abundance Ion 98.05 (97.75 to 98.75): VD063473.D (-907) (-)
Ion 100.05 (99.75 to 100.75): VD063550.D (-894) (-)

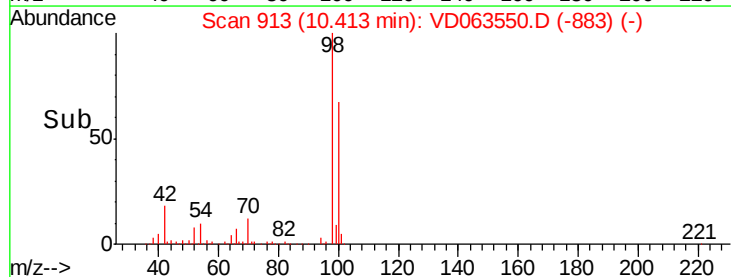
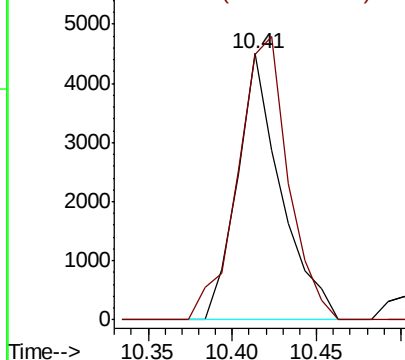


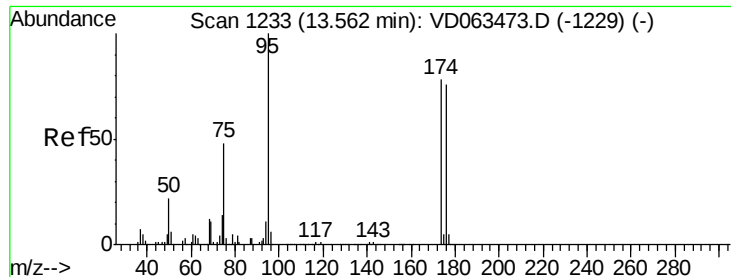
#51
4-Methyl-2-Pentanone
Concen: 1.739 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.10 min
Lab File: VD063550.D
Acq: 14 Aug 2019 3:02

Tgt Ion: 43 Resp: 8073
Ion Ratio Lower Upper
43 100
58 99.8 28.0 42.0#



Abundance Ion 42.95 (42.65 to 43.65): VD063473.D (-896) (-)
Ion 57.95 (57.65 to 58.65): VD063550.D (-883) (-)





#62

4-Bromofluorobenzene

Concen: 50.031 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063550.D

Acq: 14 Aug 2019 3:02

Instrument :

MSVOA_D

ClientSampled :

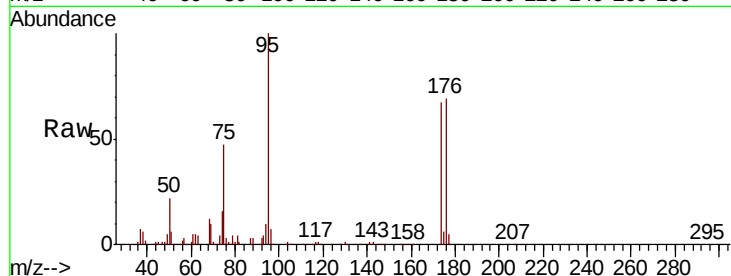
Tot Ion: 95 Resp: 574245

Ion Ratio Lower Upper

95 100

174 67.1 0.0 155.4

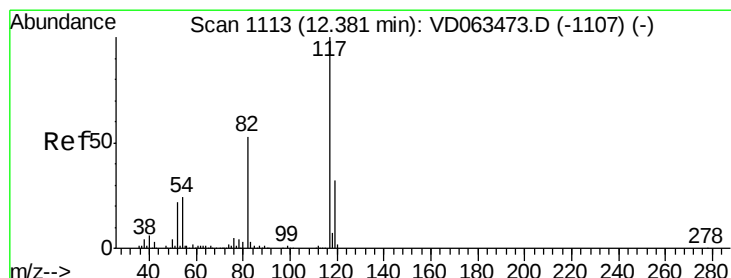
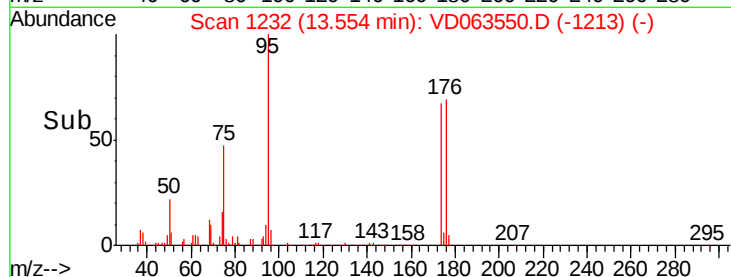
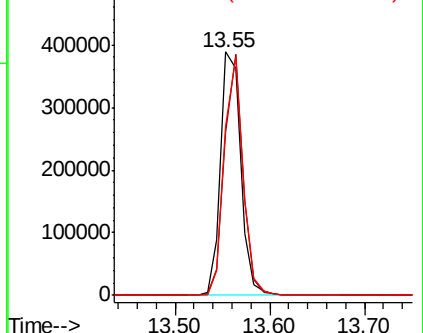
176 69.4 0.0 152.4



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: 12.37 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VD063550.D

Acq: 14 Aug 2019 3:02

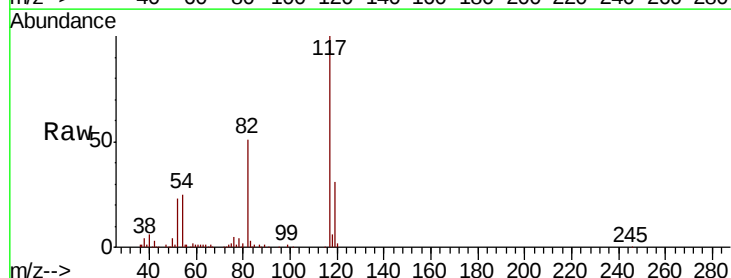
Tgt Ion: 117 Resp: 1213749

Ion Ratio Lower Upper

117 100

82 51.3 42.0 63.0

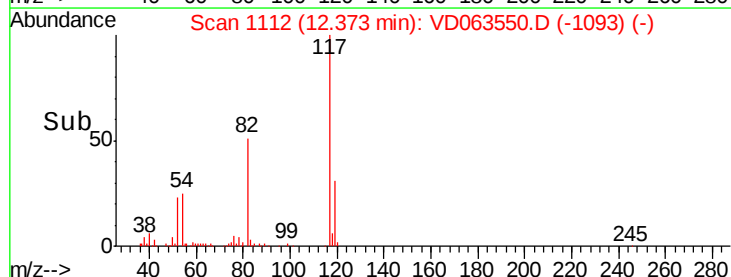
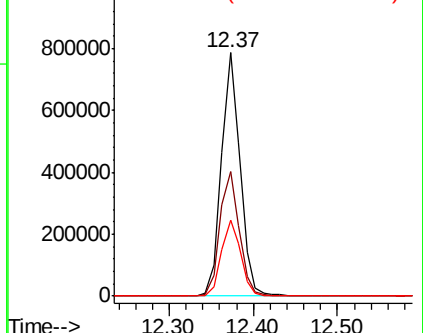
119 31.0 25.4 38.0

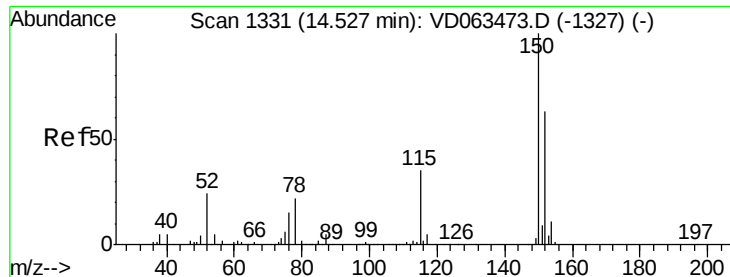


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063550.D

Acq: 14 Aug 2019 3:02

Instrument :

MSVOA_D

ClientSampleId :

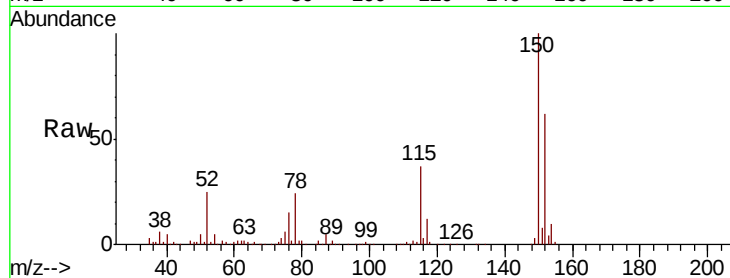
Tot Ion:152 Resp: 619465

Ion Ratio Lower Upper

152 100

115 59.8 30.9 92.7

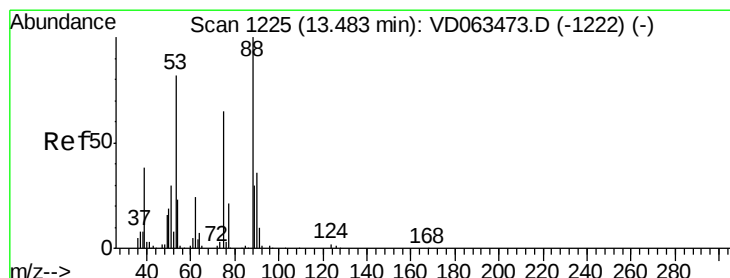
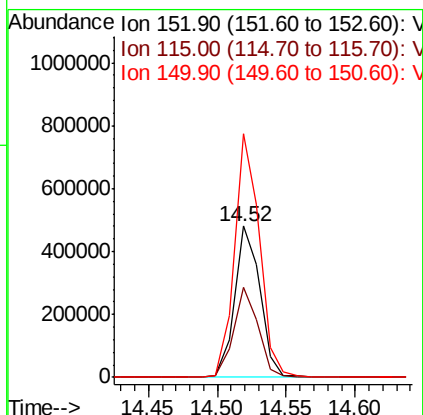
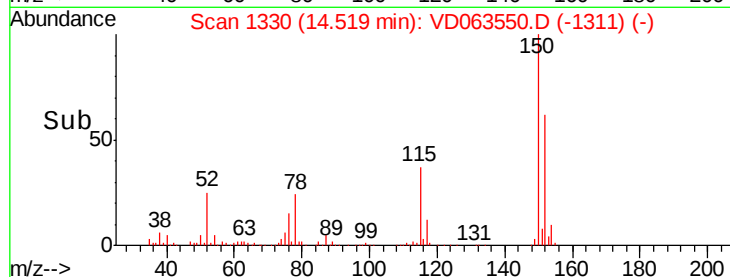
150 161.0 0.0 318.6



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: 138.654 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063550.D

Acq: 14 Aug 2019 3:02

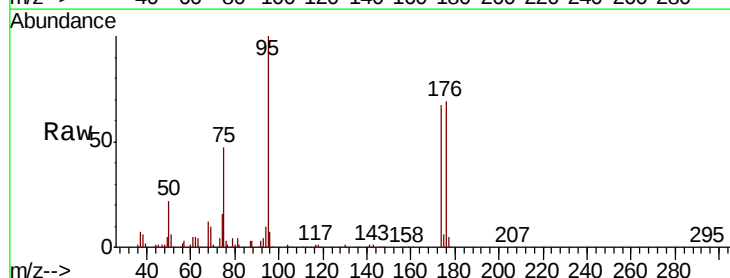
Tgt Ion: 75 Resp: 264942

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

