

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064177.D
 Acq On : 11 Nov 2019 14:50
 Operator : VA/SY
 Sample : K5673-01
 Misc : 5.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 02:47:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

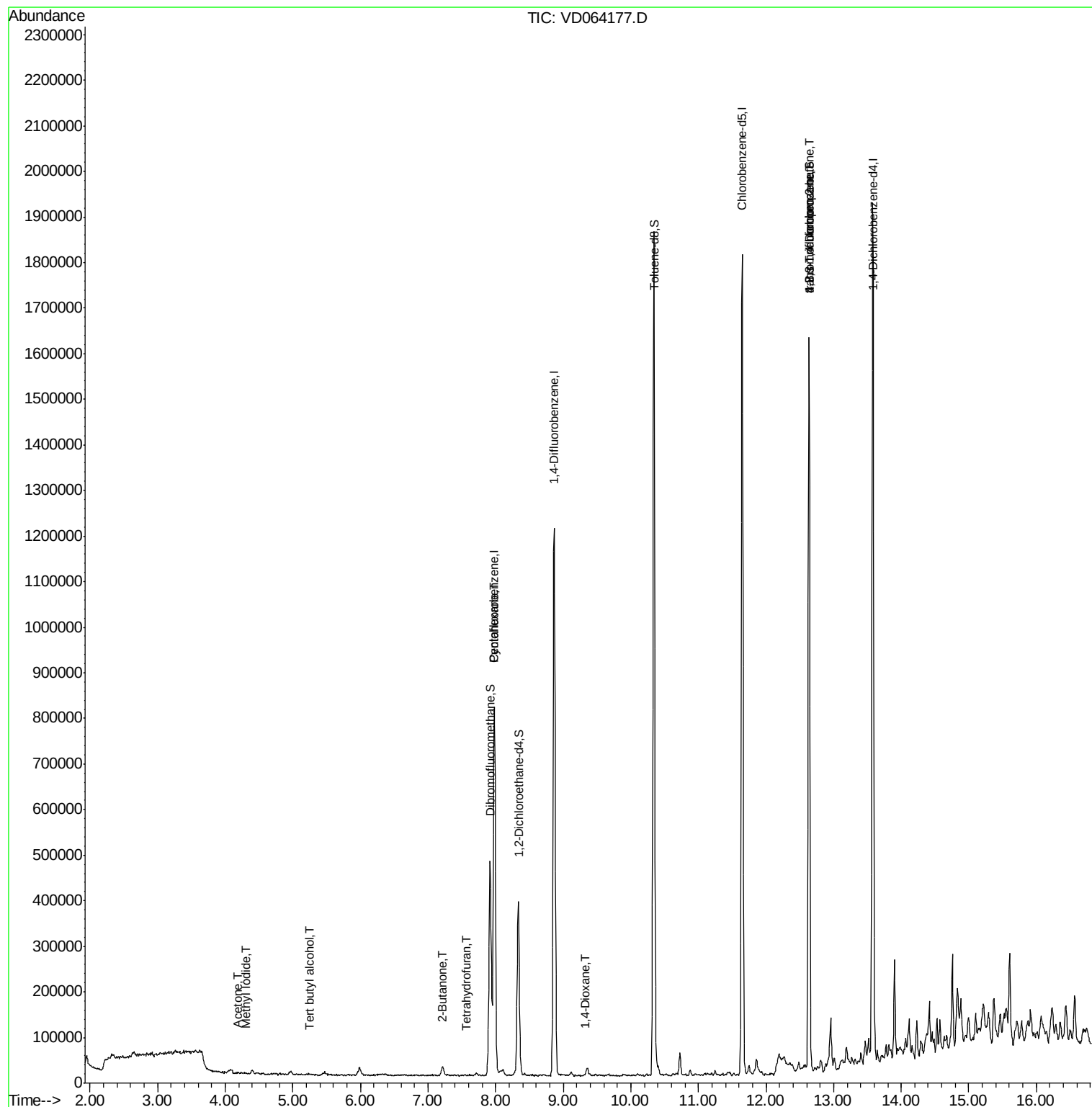
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	637104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1046486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1022000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	515105	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	315345	60.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.36%	
35) Dibromofluoromethane	7.91	113	324887	54.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.16%	
50) Toluene-d8	10.34	98	1267718	55.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.88%	
62) 4-Bromofluorobenzene	12.64	95	486488	61.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.98%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.30	142	2139	2.351	ug/l #	84
11) Tert butyl alcohol	5.25	59	1373	3.752	ug/l #	1
16) Acetone	4.17	43	3424	2.758	ug/l #	73
25) 2-Butanone	7.22	43	2863	1.785	ug/l #	49
29) Tetrahydrofuran	7.57	42	1082	1.123	ug/l #	70
31) Cyclohexane	7.98	56	17050	1.658	ug/l #	43
49) 1,4-Dioxane	9.32	88	64	1.549	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	249910	60.234	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	249910	119.648	ug/l #	10

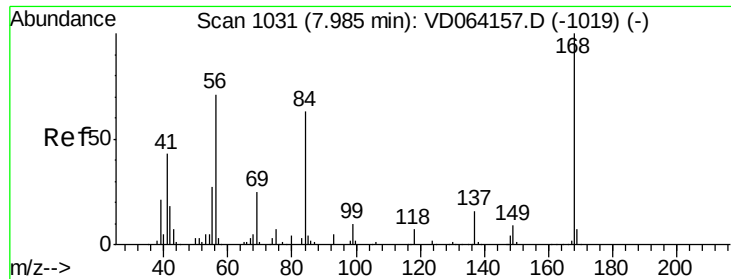
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064177.D

Acq: 11 Nov 2019 14:50

Instrument :

MSVOA_D

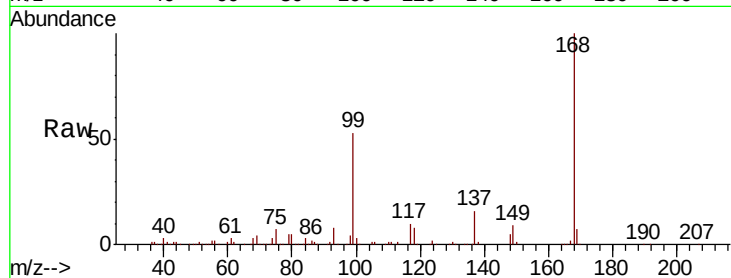
ClientSampleId :

Tot Ion:168 Resp: 637104

Ion Ratio Lower Upper

168 100

99 52.7 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

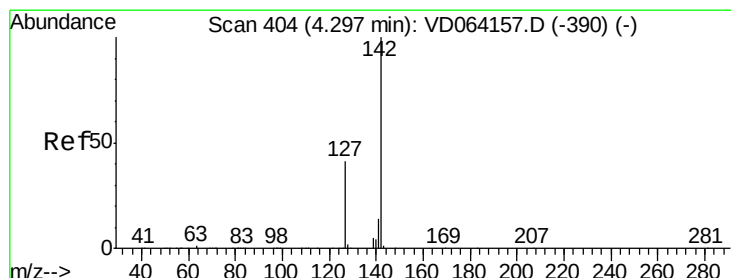
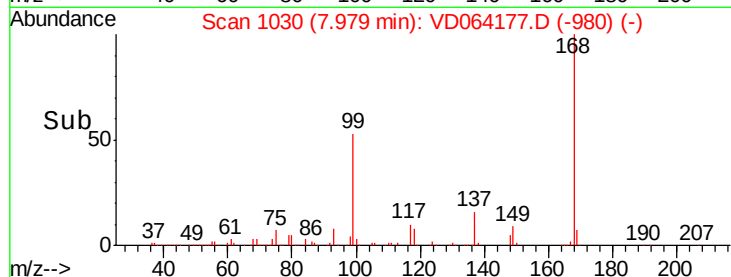
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.351 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD064177.D

Acq: 11 Nov 2019 14:50

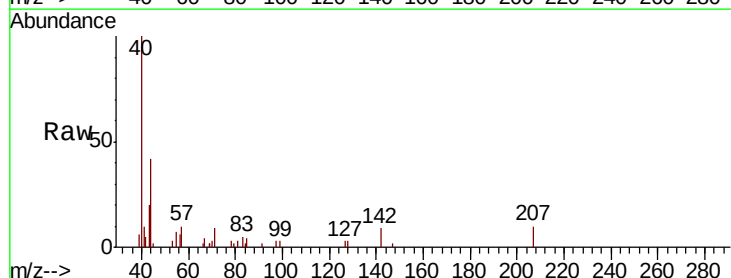
Tgt Ion:142 Resp: 2139

Ion Ratio Lower Upper

142 100

127 34.5 34.4 51.6

141 4.2 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

800

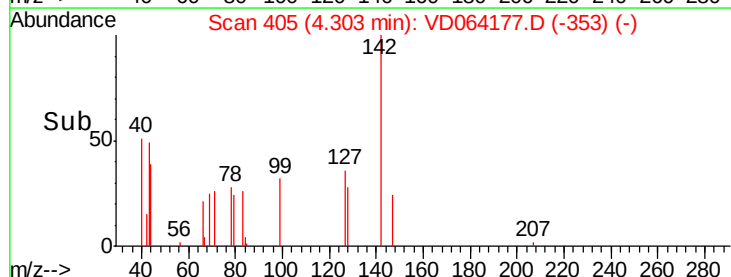
600

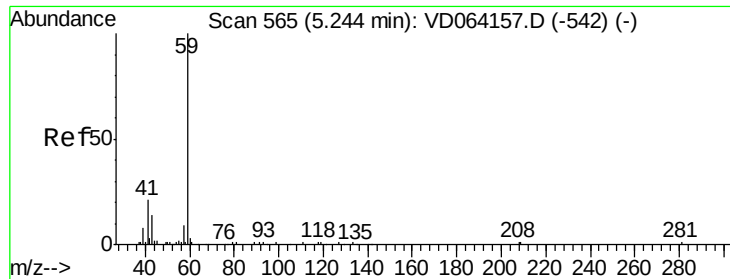
400

200

0

Time-->

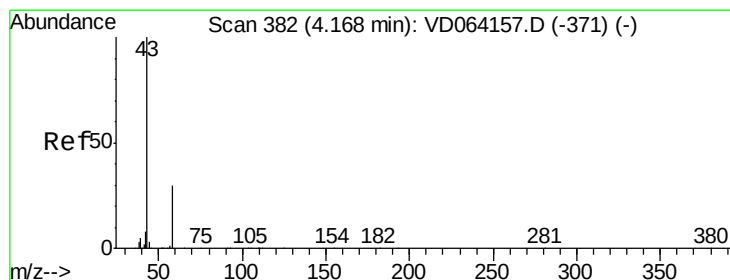
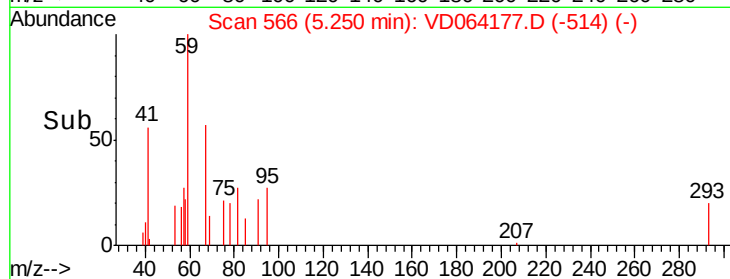
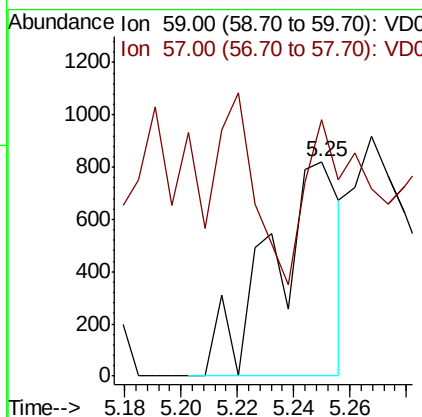
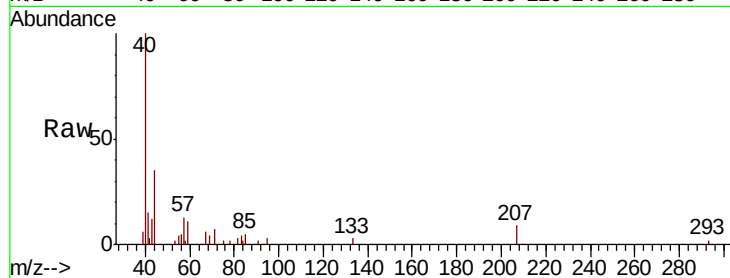




#11
Tert butyl alcohol
Concen: 3.752 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064177.D
Acq: 11 Nov 2019 14:50

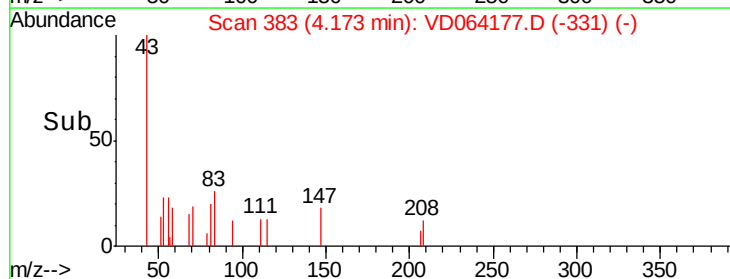
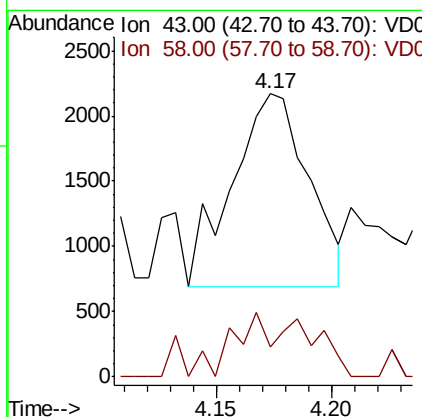
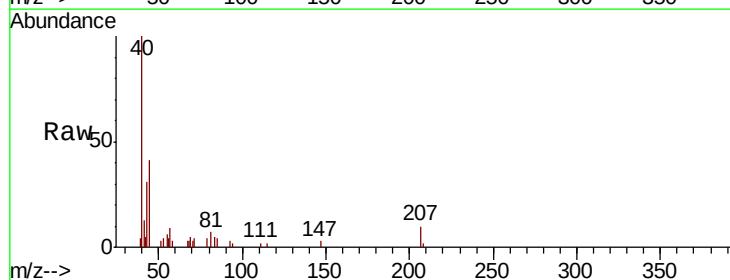
Instrument :
MSVOA_D
ClientSampled :

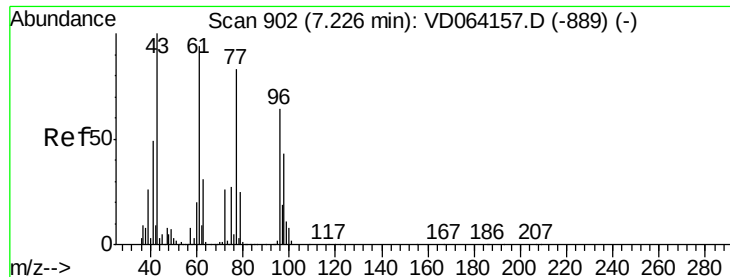
Tot Ion: 59 Resp: 1373
Ion Ratio Lower Upper
59 100
57 66.6 9.4 14.2#



#16
Acetone
Concen: 2.758 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.01 min
Lab File: VD064177.D
Acq: 11 Nov 2019 14:50

Tgt Ion: 43 Resp: 3424
Ion Ratio Lower Upper
43 100
58 15.6 24.1 36.1#





#25

2-Butanone

Concen: 1.785 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064177.D

Acq: 11 Nov 2019 14:50

Instrument :

MSVOA_D

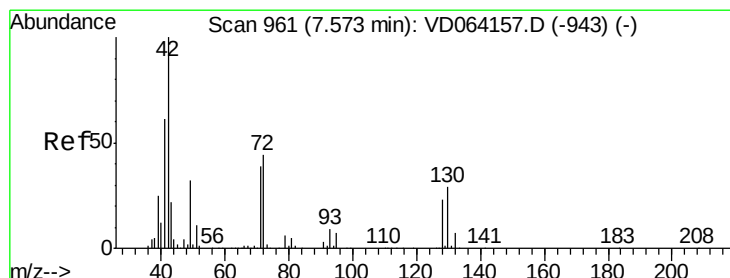
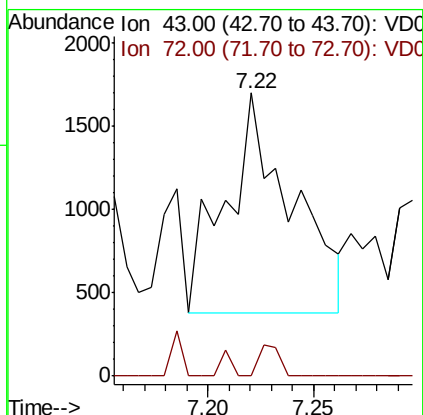
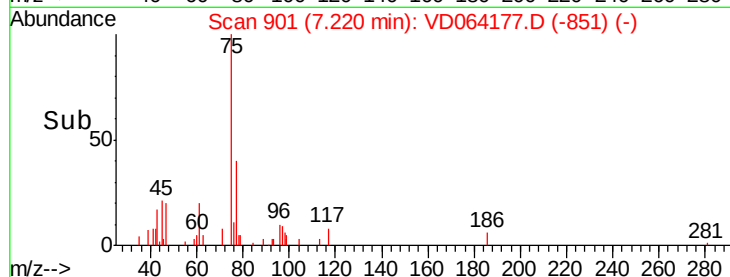
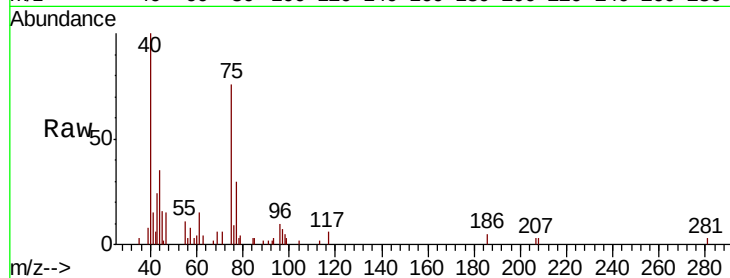
ClientSampleId :

Tot Ion: 43 Resp: 2863

Ion Ratio Lower Upper

43 100

72 0.0 20.6 30.8#



#29

Tetrahydrofuran

Concen: 1.123 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064177.D

Acq: 11 Nov 2019 14:50

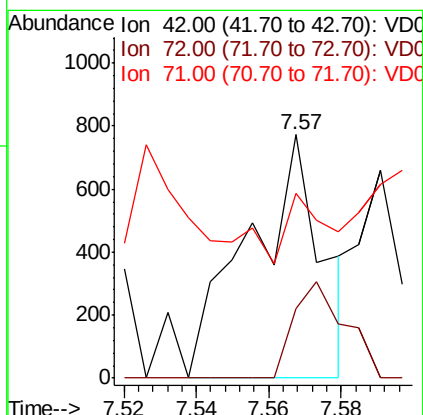
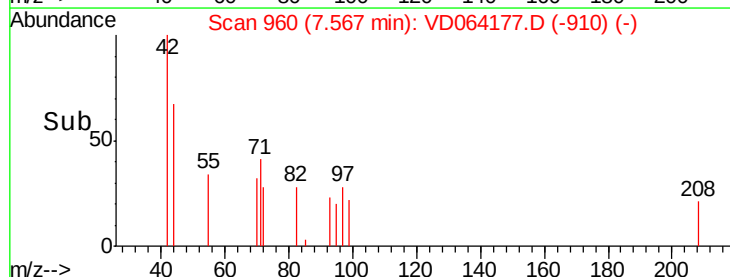
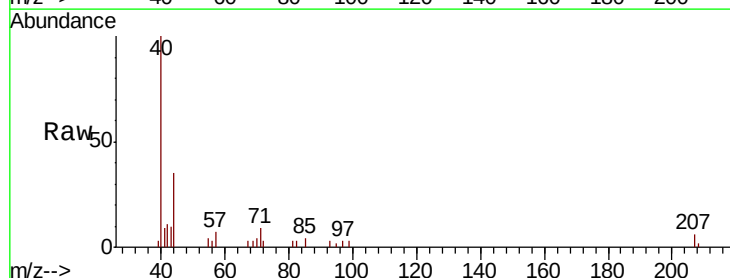
Tgt Ion: 42 Resp: 1082

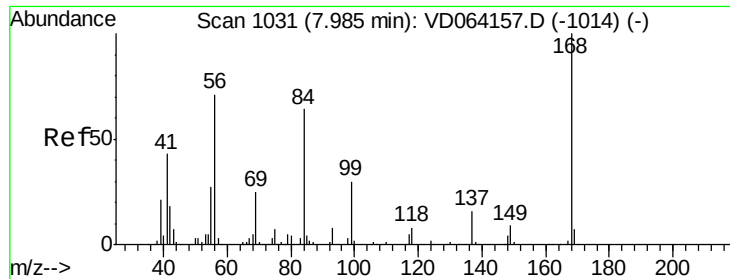
Ion Ratio Lower Upper

42 100

72 28.1 33.4 50.2#

71 15.5 31.0 46.4#

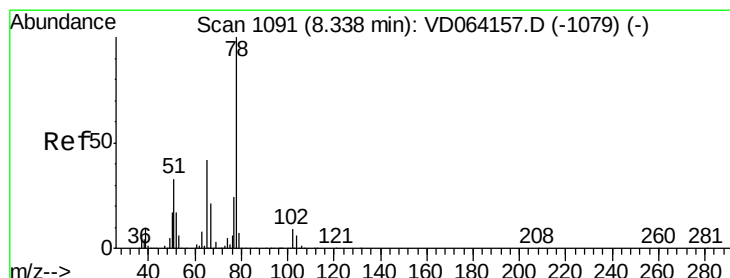
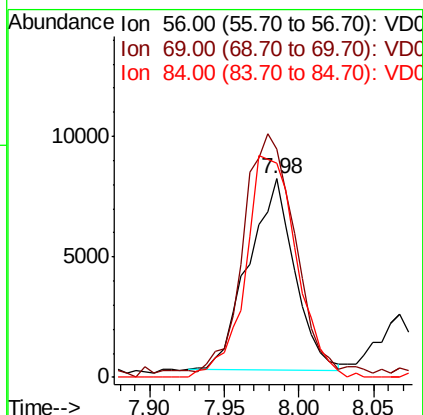
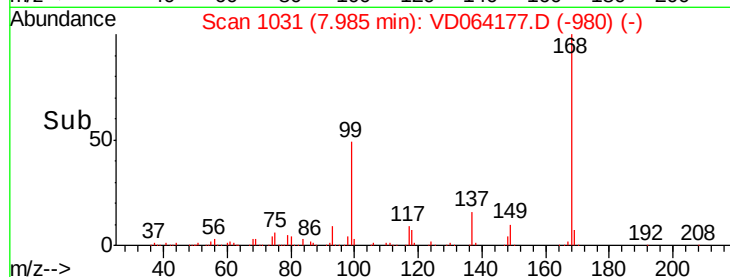
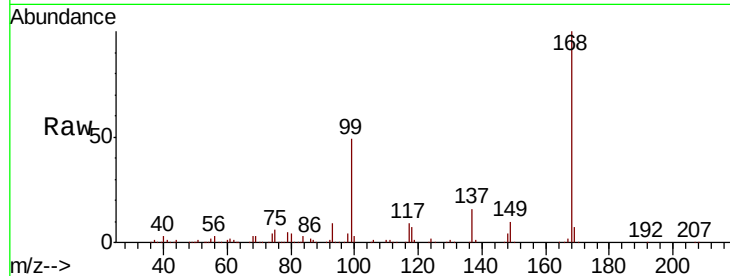




#31
Cyclohexane
Concen: 1.658 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064177.D
Acq: 11 Nov 2019 14:50

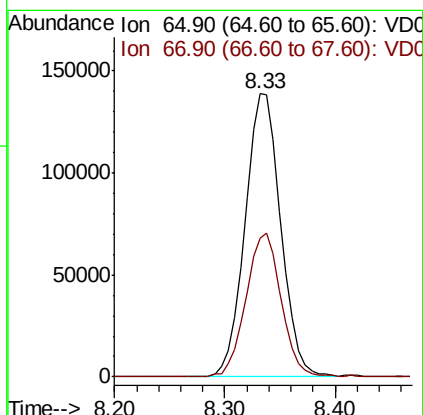
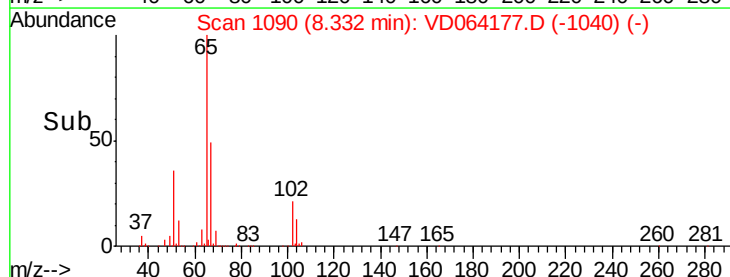
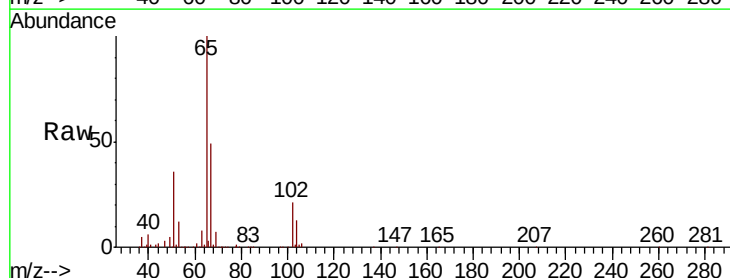
Instrument :
MSVOA_D
ClientSampled :

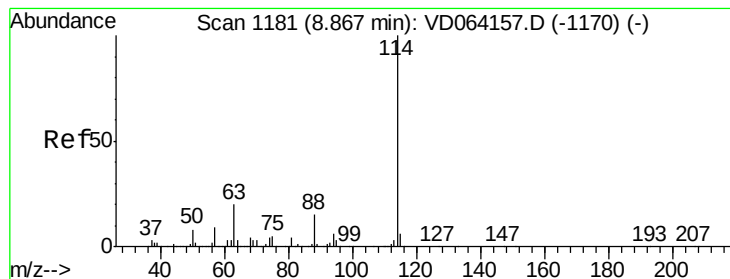
Tot Ion: 56 Resp: 17050
Ion Ratio Lower Upper
56 100
69 116.2 28.2 42.4#
84 112.4 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 60.183 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064177.D
Acq: 11 Nov 2019 14:50

Tgt Ion: 65 Resp: 315345
Ion Ratio Lower Upper
65 100
67 50.1 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064177.D

Acq: 11 Nov 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

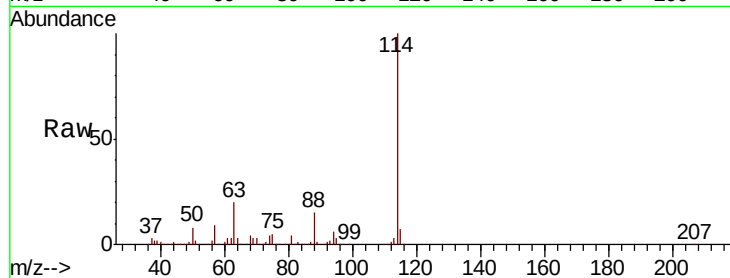
Tot Ion:114 Resp: 1046486

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

600000

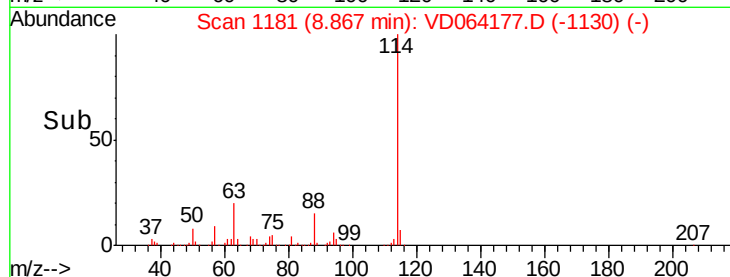
400000

200000

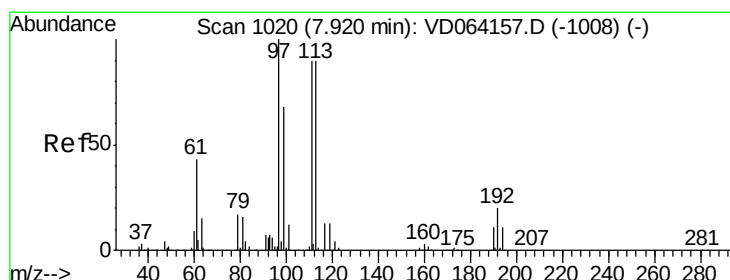
0

8.87

8.75 8.80 8.85 8.90 8.95



Time-->



#35

Dibromofluoromethane

Concen: 54.085 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064177.D

Acq: 11 Nov 2019 14:50

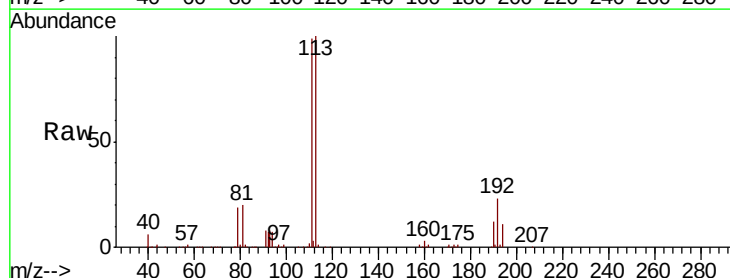
Tgt Ion:113 Resp: 324887

Ion Ratio Lower Upper

113 100

111 102.0 81.5 122.3

192 23.9 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

150000

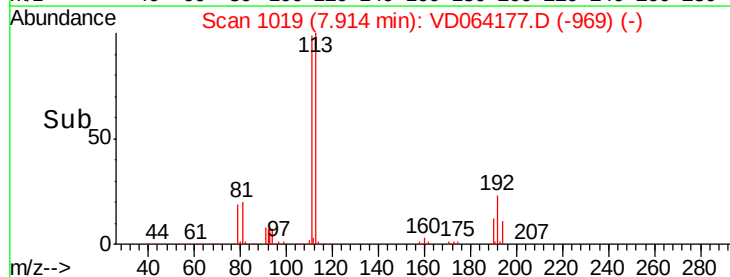
100000

50000

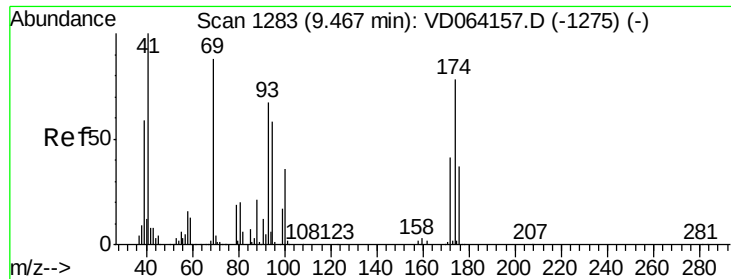
0

7.91

7.80 7.90 8.00 8.10



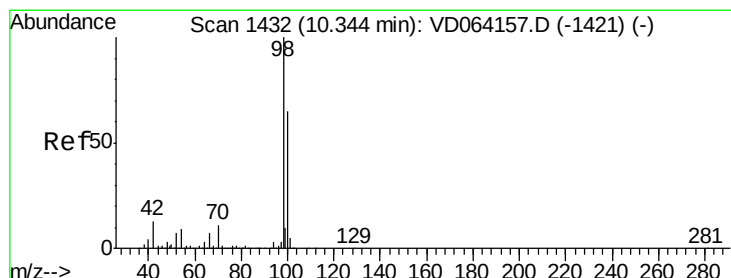
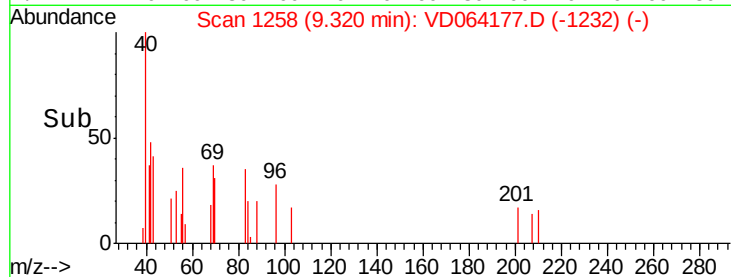
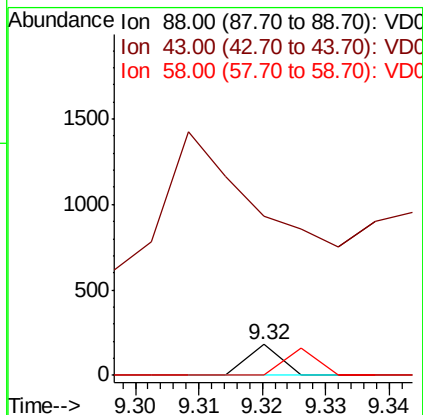
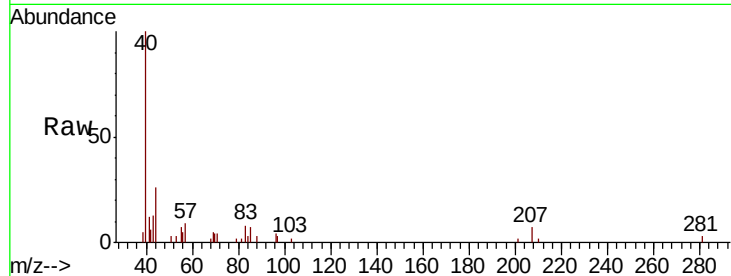
Time-->



#49
1,4-Dioxane
Concen: 1.549 ug/l
RT: 9.32 min Scan# 1258
Delta R.T. -0.15 min
Lab File: VD064177.D
Acq: 11 Nov 2019 14:50

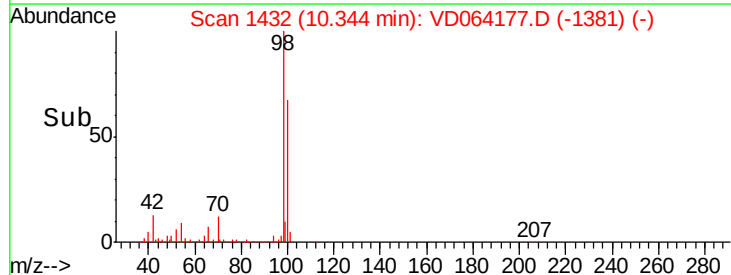
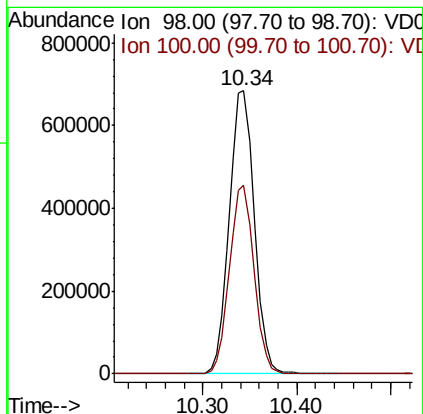
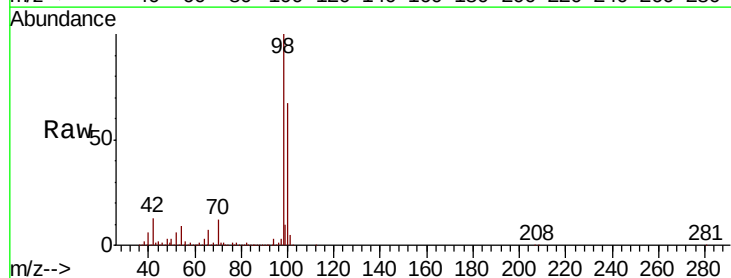
Instrument :
MSVOA_D
ClientSampleId :

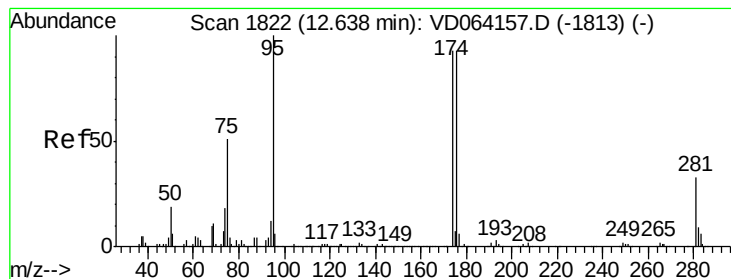
Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 1446.9 29.8 44.8#
58 85.9 58.1 87.1



#50
Toluene-d8
Concen: 55.943 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064177.D
Acq: 11 Nov 2019 14:50

Tgt Ion: 98 Resp: 1267718
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 61.992 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064177.D

Acq: 11 Nov 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

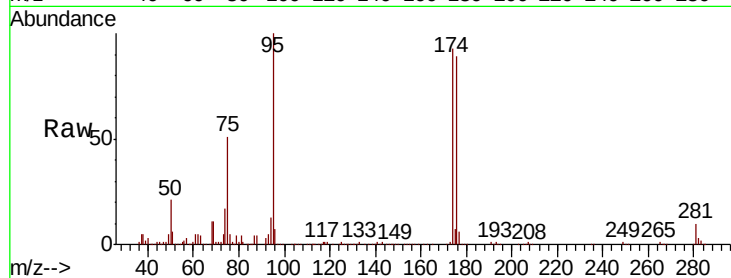
Tot Ion: 95 Resp: 486488

Ion Ratio Lower Upper

95 100

174 90.4 0.0 183.6

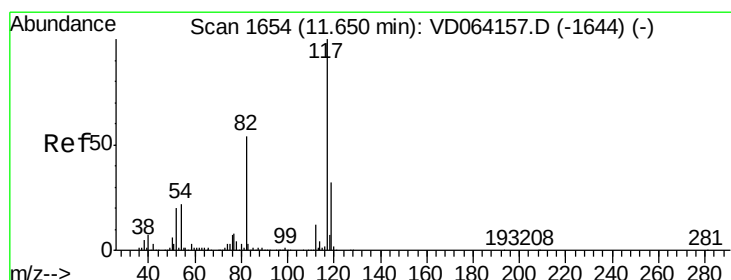
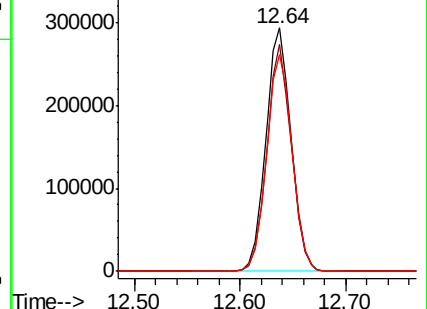
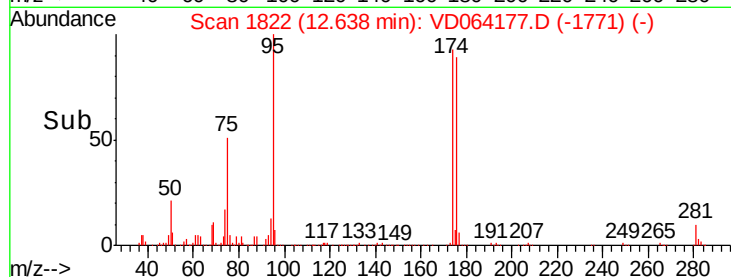
176 89.5 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064177.D

Acq: 11 Nov 2019 14:50

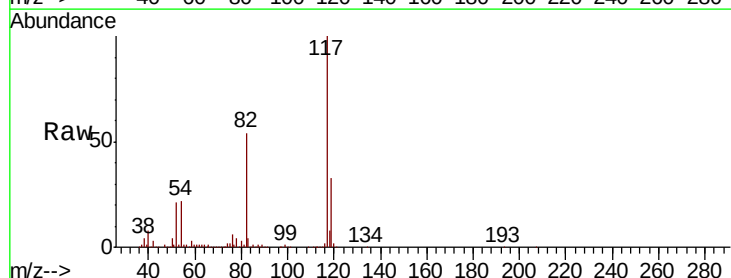
Tgt Ion: 117 Resp: 1022000

Ion Ratio Lower Upper

117 100

82 54.4 42.8 64.2

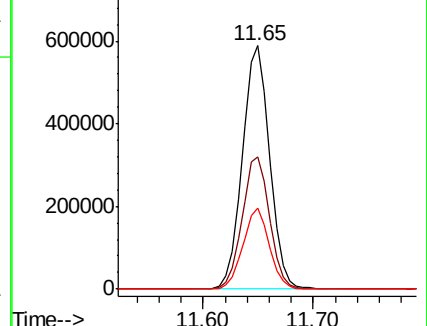
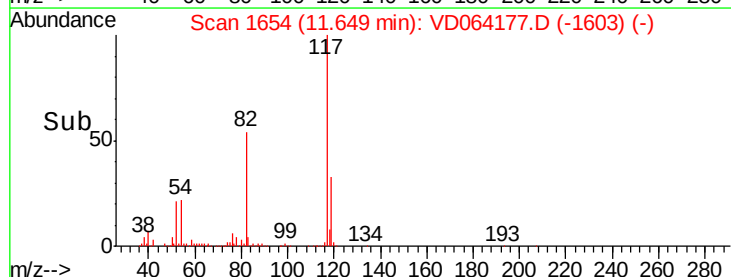
119 33.1 25.6 38.4

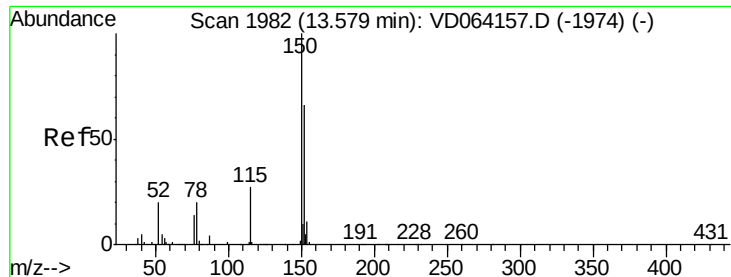


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD064177.D

Acq: 11 Nov 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

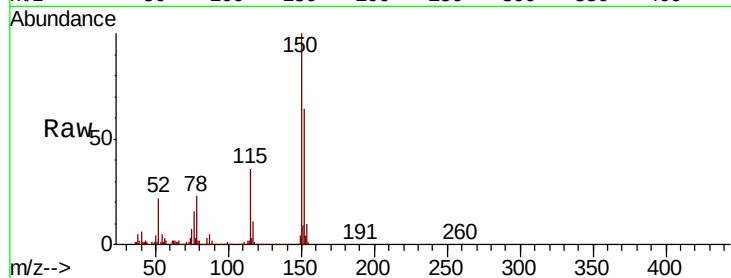
Tot Ion:152 Resp: 515105

Ion Ratio Lower Upper

152 100

115 55.0 27.4 82.2

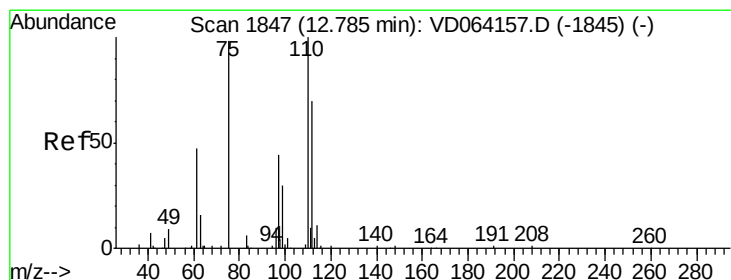
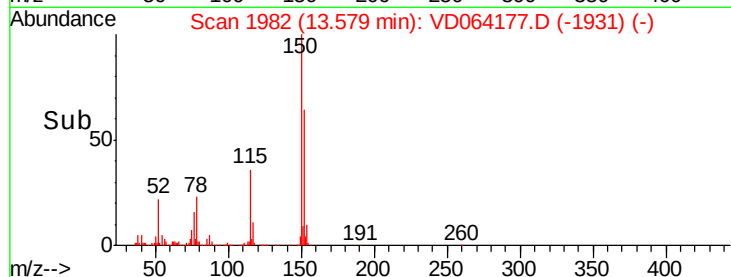
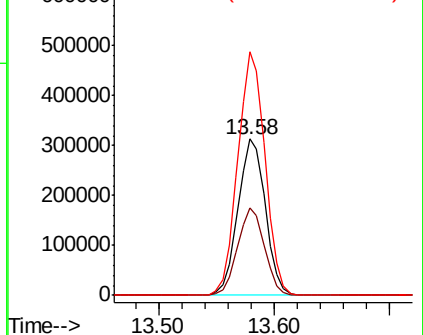
150 154.8 0.0 351.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 60.234 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064177.D

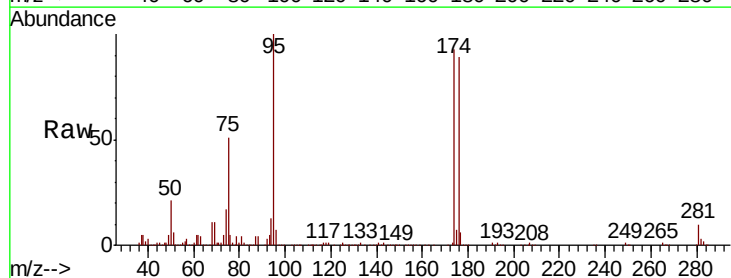
Acq: 11 Nov 2019 14:50

Tgt Ion: 75 Resp: 249910

Ion Ratio Lower Upper

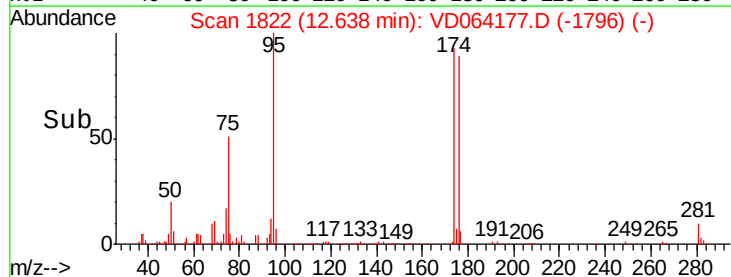
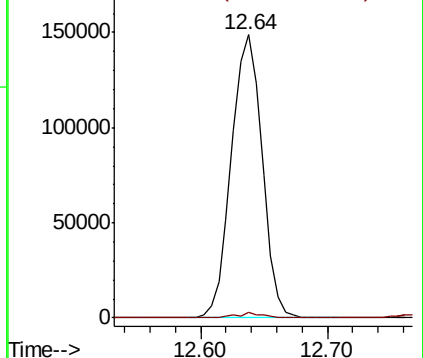
75 100

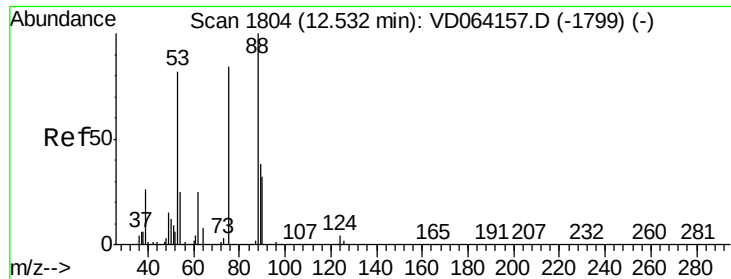
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 119.648 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064177.D

Acq: 11 Nov 2019 14:50

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 249910

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#

