

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092023\
 Data File : VD077168.D
 Acq On : 20 Sep 2023 15:48
 Operator : JC/SY
 Sample : 04433-01RE
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 21 02:24:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

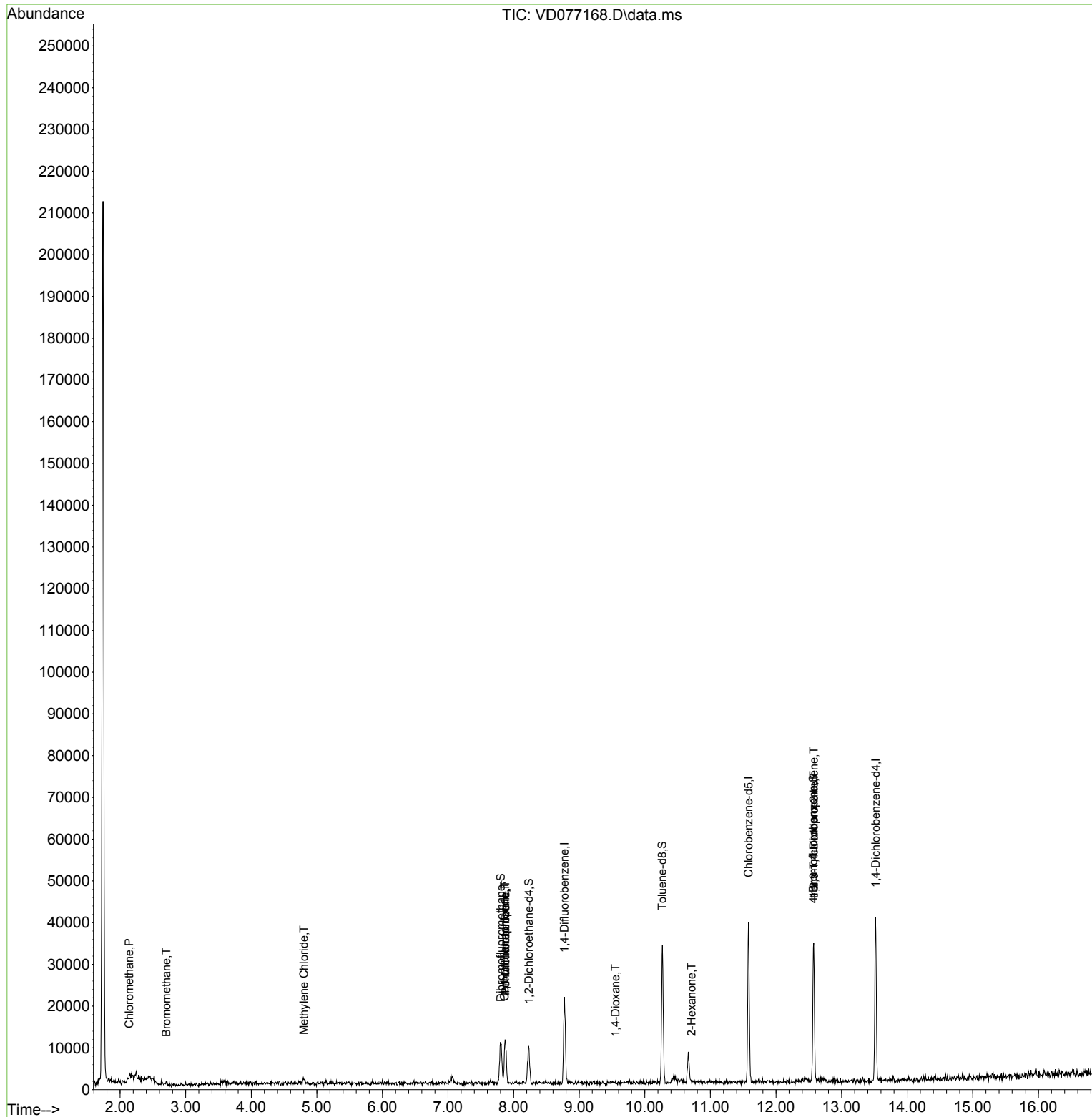
Internal Standards						
1) Pentafluorobenzene	7.875	168	8863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	19346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	23166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	12002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	6794	75.956	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 151.920%	
35) Dibromofluoromethane	7.805	113	7569	56.327	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.660%	
50) Toluene-d8	10.263	98	23584	49.308	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.620%	
62) 4-Bromofluorobenzene	12.569	95	10366	69.924	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 139.840%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	438	2.587	ug/l #	41
5) Bromomethane	2.705	94	207	1.569	ug/l #	1
20) Methylene Chloride	4.805	84	963	1.096	ug/l #	90
36) 1,1-Dichloropropene	7.875	75	739	3.652	ug/l #	39
38) Carbon Tetrachloride	7.863	117	810	4.072	ug/l #	11
49) 1,4-Dioxane	9.552	88	53	66.443	ug/l #	33
59) 2-Hexanone	10.710	43	59	1.100	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	5592	58.410	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	5592	110.559	ug/l #	17

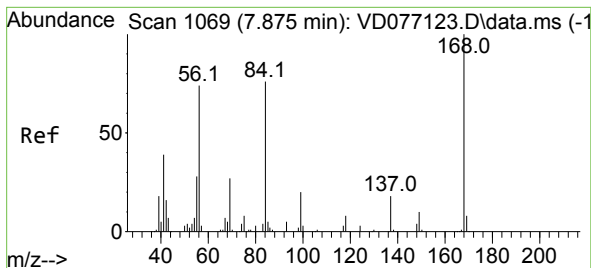
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077168.D

Acq: 20 Sep 2023 15:48

Instrument :

MSVOA_D

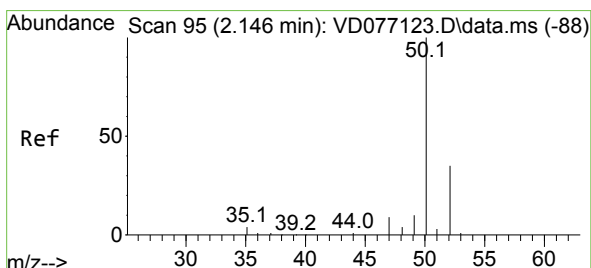
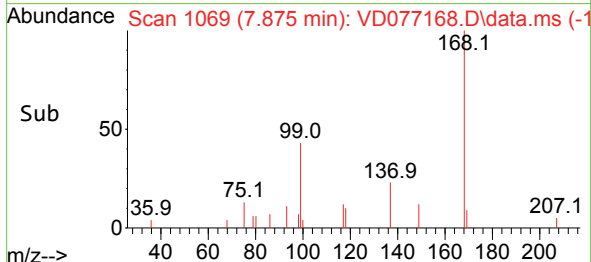
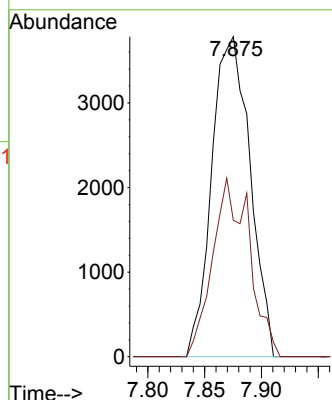
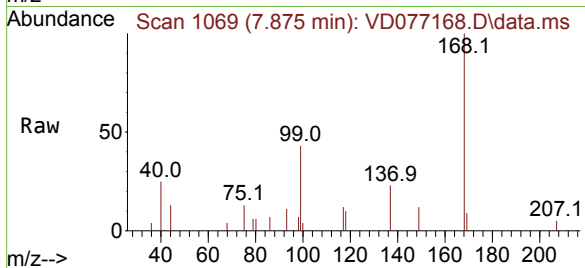
ClientSampleId :

Tgt Ion:168 Resp: 8863

Ion Ratio Lower Upper

168 100

99 42.7 36.7 55.1



#3

Chloromethane

Concen: 2.587 ug/l

RT: 2.140 min Scan# 94

Delta R.T. -0.006 min

Lab File: VD077168.D

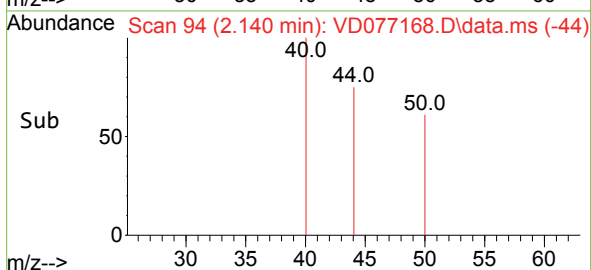
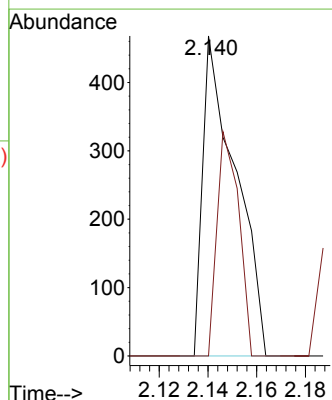
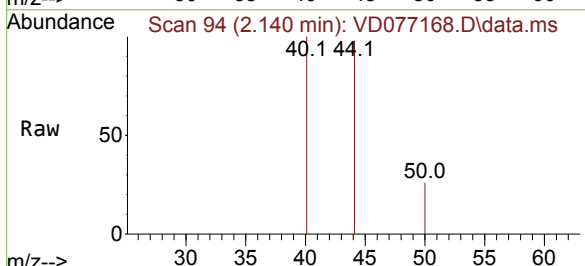
Acq: 20 Sep 2023 15:48

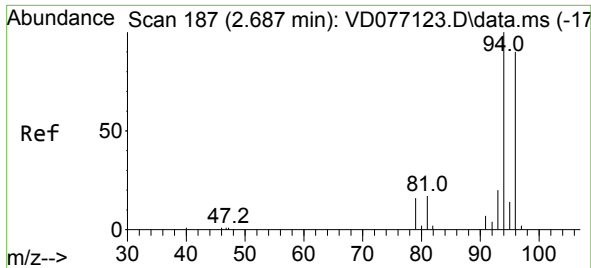
Tgt Ion: 50 Resp: 438

Ion Ratio Lower Upper

50 100

52 0.0 26.6 40.0#

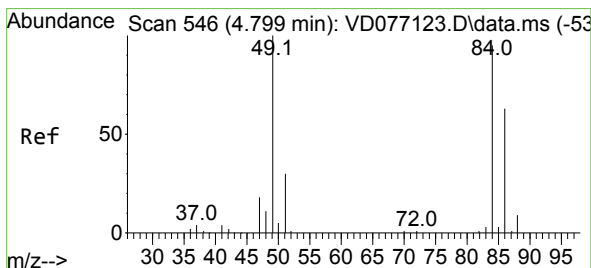
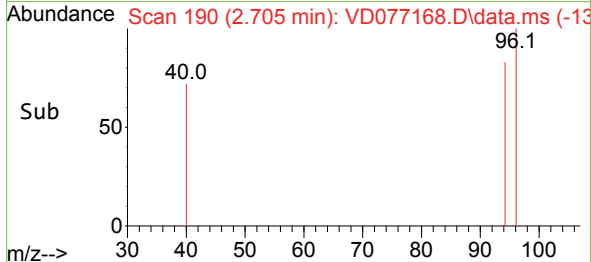
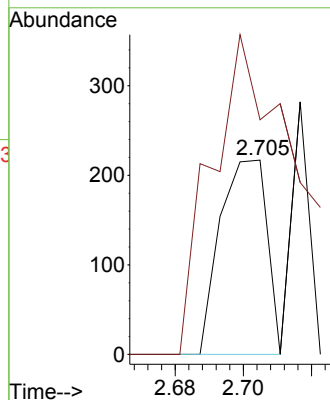
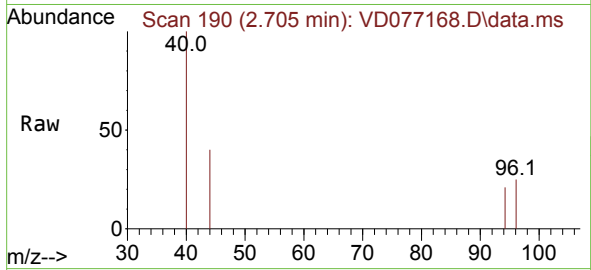




#5
Bromomethane
Concen: 1.569 ug/l
RT: 2.705 min Scan# 190
Delta R.T. 0.018 min
Lab File: VD077168.D
Acq: 20 Sep 2023 15:48

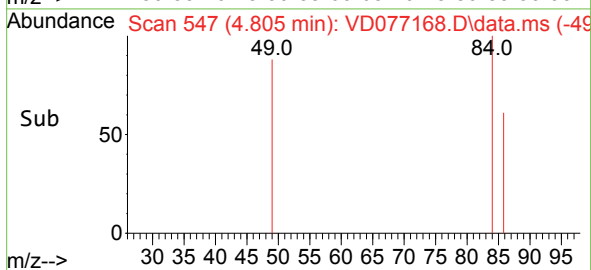
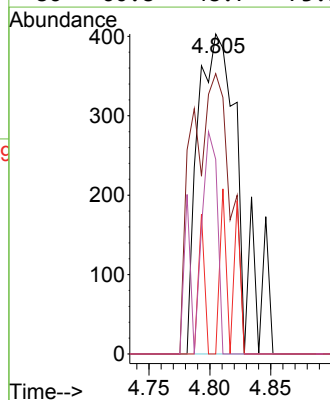
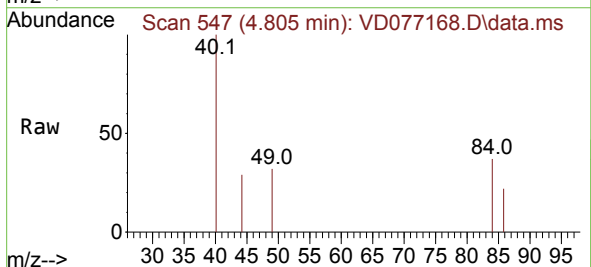
Instrument :
MSVOA_D
ClientSampleId :

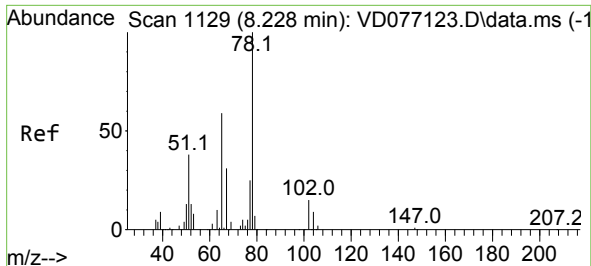
Tgt Ion: 94 Resp: 207
Ion Ratio Lower Upper
94 100
96 285.0 75.8 113.8#



#20
Methylene Chloride
Concen: 1.096 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD077168.D
Acq: 20 Sep 2023 15:48

Tgt Ion: 84 Resp: 963
Ion Ratio Lower Upper
84 100
49 87.6 71.4 107.2
51 0.0 24.5 36.7#
86 60.8 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 75.956 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077168.D

Acq: 20 Sep 2023 15:48

Instrument :

MSVOA_D

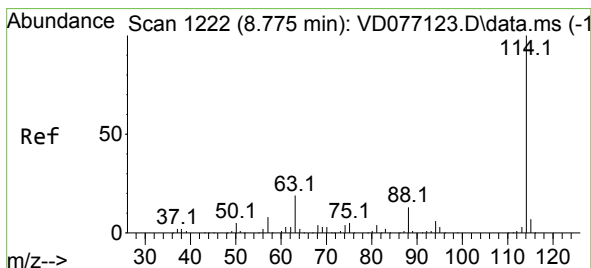
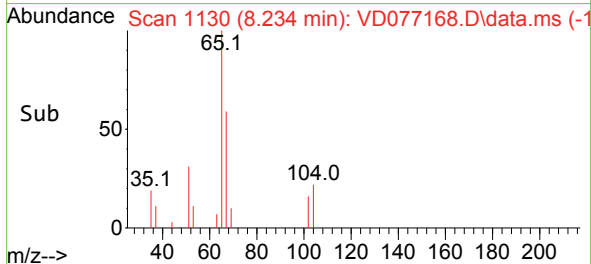
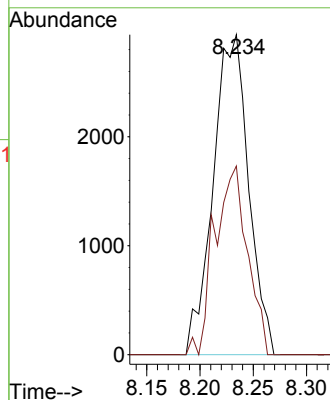
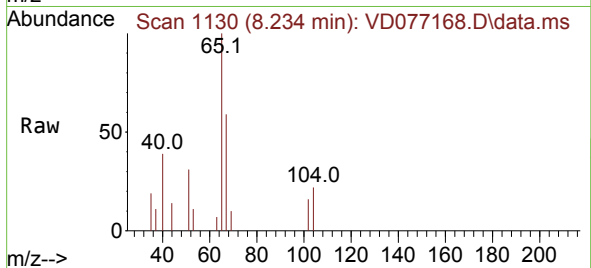
ClientSampleId :

Tgt Ion: 65 Resp: 6794

Ion Ratio Lower Upper

65 100

67 54.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077168.D

Acq: 20 Sep 2023 15:48

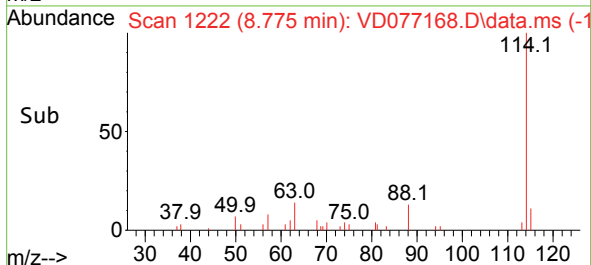
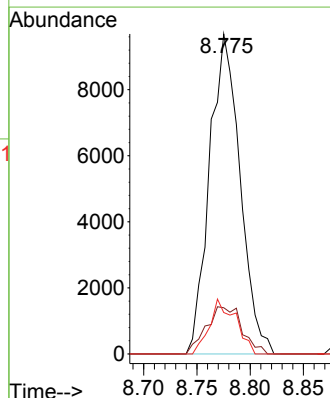
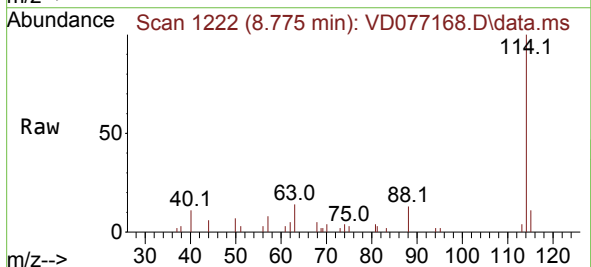
Tgt Ion: 114 Resp: 19346

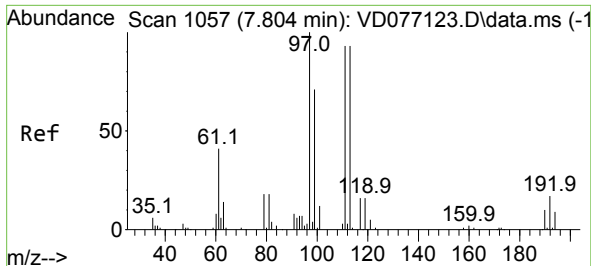
Ion Ratio Lower Upper

114 100

63 14.5 0.0 33.4

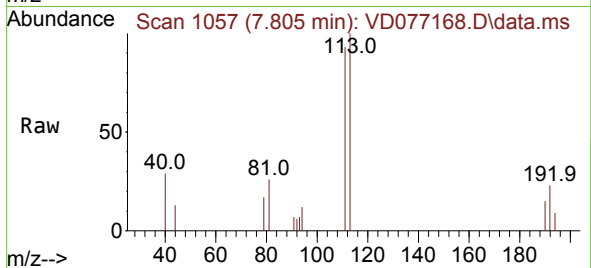
88 13.0 0.0 26.2



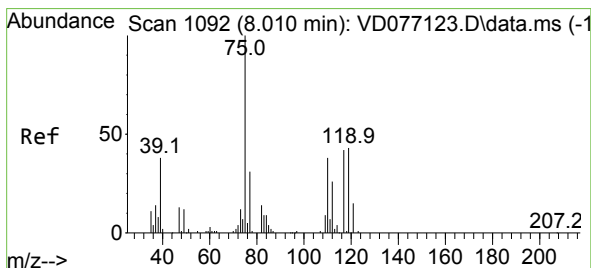
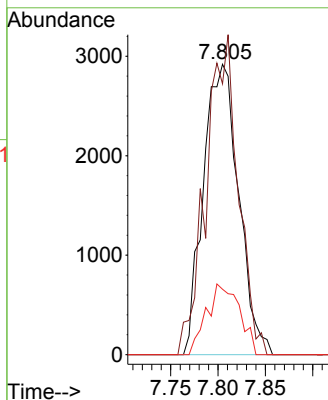
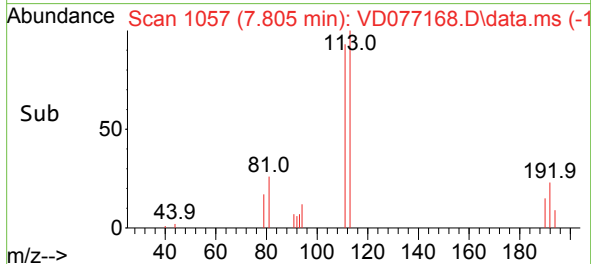


#35
Dibromofluoromethane
Concen: 56.327 ug/l
RT: 7.805 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077168.D
Acq: 20 Sep 2023 15:48

Instrument :
MSVOA_D
ClientSampleId :

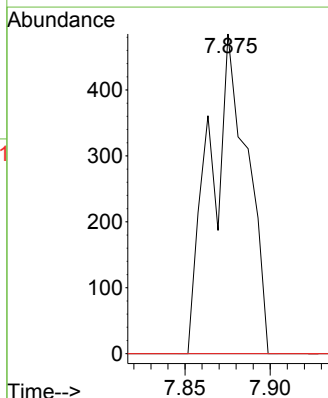
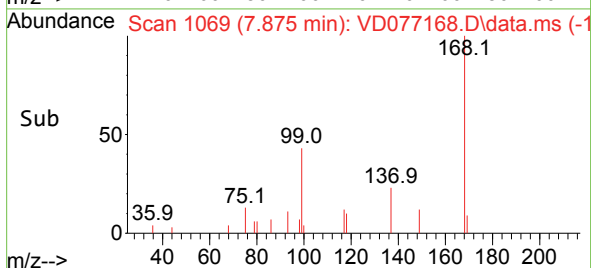
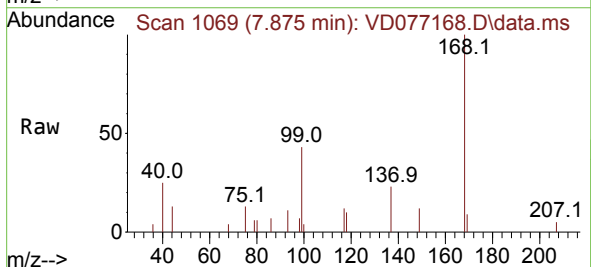


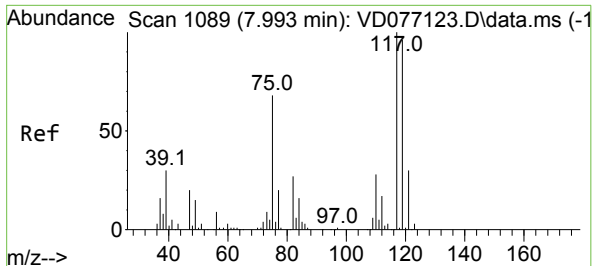
Tgt Ion:113 Resp: 7569
Ion Ratio Lower Upper
113 100
111 100.2 84.7 127.1
192 22.7 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.652 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077168.D
Acq: 20 Sep 2023 15:48

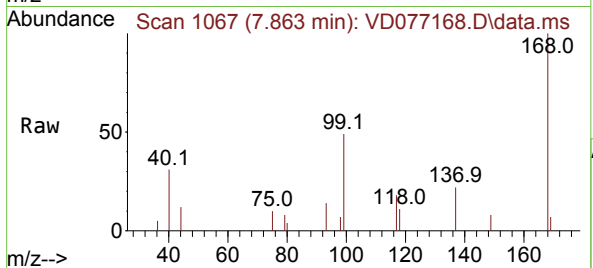
Tgt Ion: 75 Resp: 739
Ion Ratio Lower Upper
75 100
110 0.0 19.9 59.6#
77 0.0 24.7 37.1#



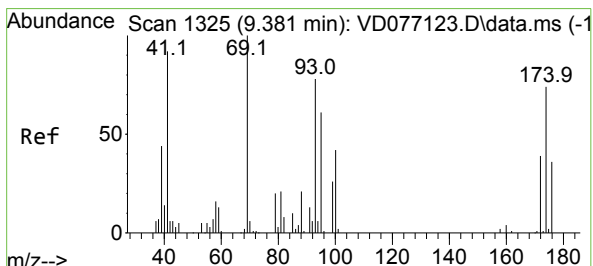
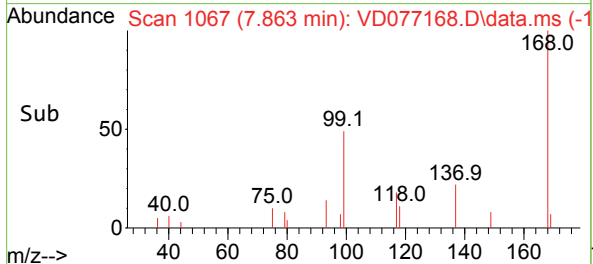
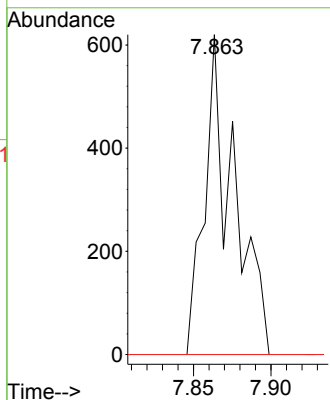


#38
Carbon Tetrachloride
Concen: 4.072 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VD077168.D
Acq: 20 Sep 2023 15:48

Instrument :
MSVOA_D
ClientSampleId :

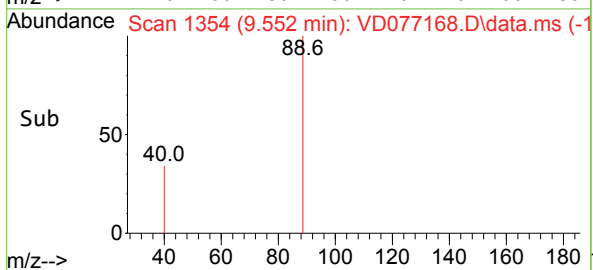
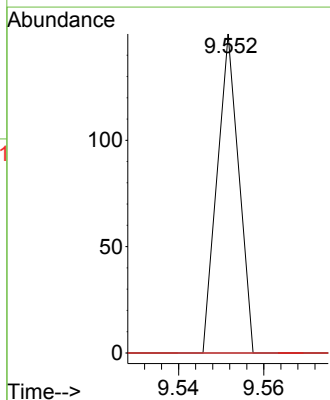
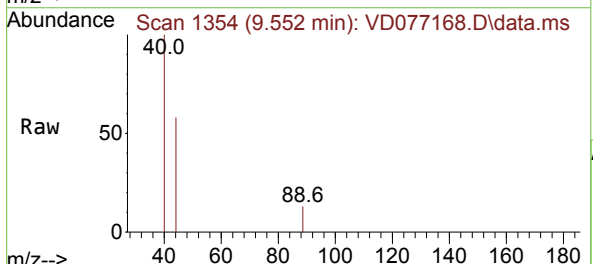


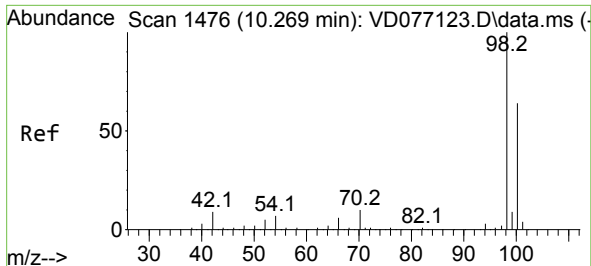
Tgt Ion:117 Resp: 810
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 66.443 ug/l
RT: 9.552 min Scan# 1354
Delta R.T. 0.171 min
Lab File: VD077168.D
Acq: 20 Sep 2023 15:48

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 0.0 43.5 65.3#

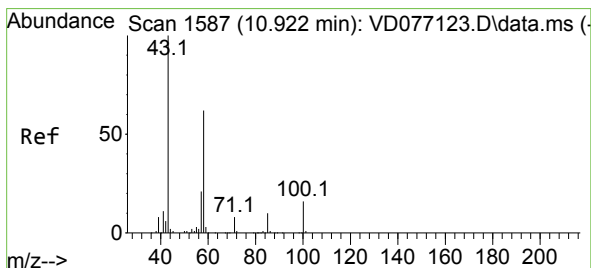
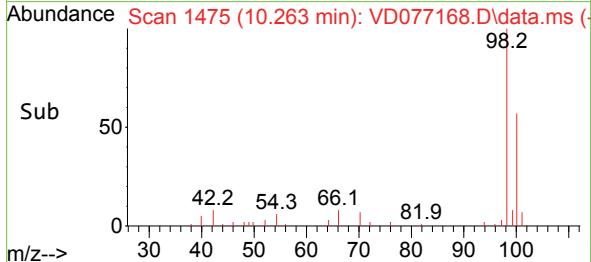
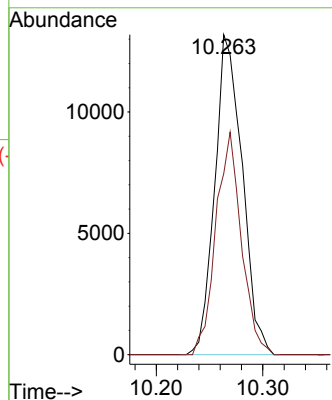
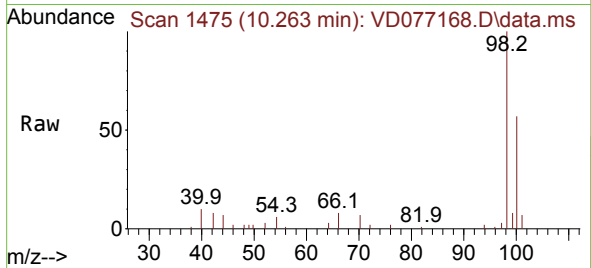




#50
Toluene-d8
Concen: 49.308 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VD077168.D
Acq: 20 Sep 2023 15:48

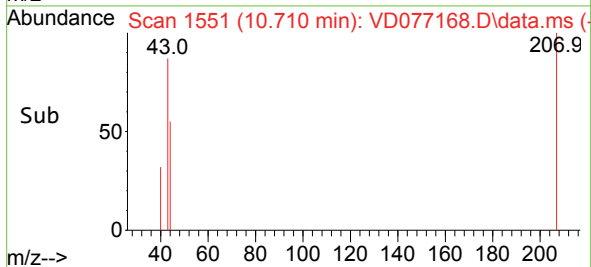
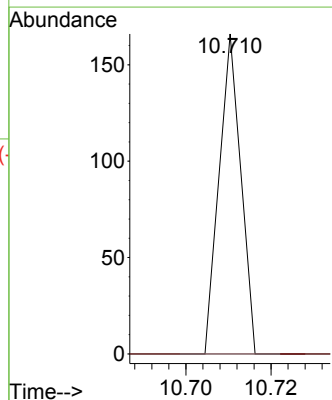
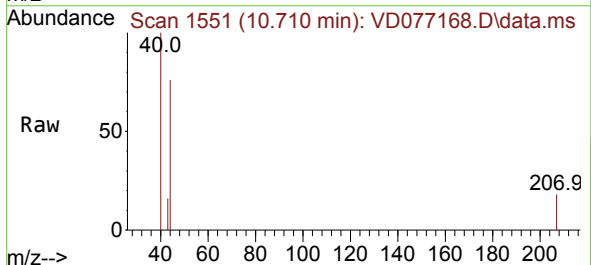
Instrument :
MSVOA_D
ClientSampleId :

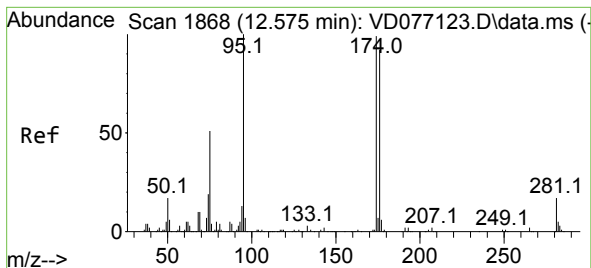
Tgt Ion: 98 Resp: 23584
Ion Ratio Lower Upper
98 100
100 64.8 50.3 75.5



#59
2-Hexanone
Concen: 1.100 ug/l
RT: 10.710 min Scan# 1551
Delta R.T. -0.211 min
Lab File: VD077168.D
Acq: 20 Sep 2023 15:48

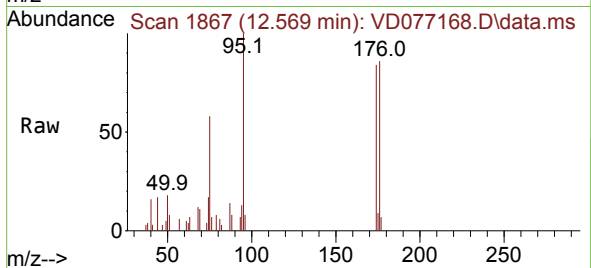
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#



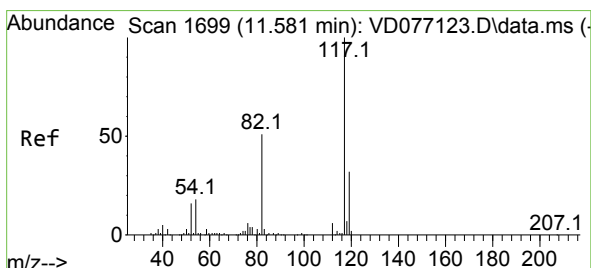
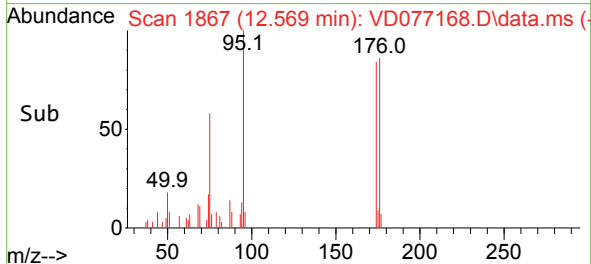
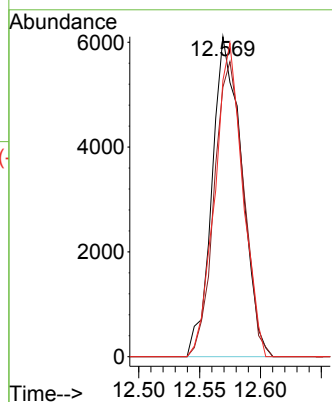


#62
4-Bromofluorobenzene
Concen: 69.924 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077168.D
Acq: 20 Sep 2023 15:48

Instrument :
MSVOA_D
ClientSampleId :

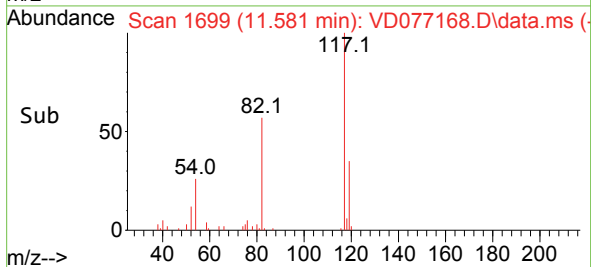
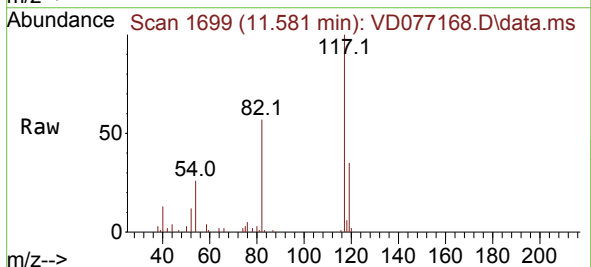
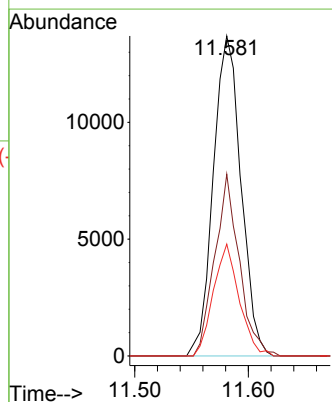


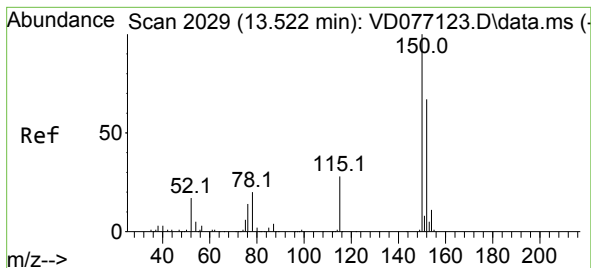
Tgt Ion: 95 Resp: 10366
Ion Ratio Lower Upper
95 100
174 91.5 0.0 201.8
176 92.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077168.D
Acq: 20 Sep 2023 15:48

Tgt Ion: 117 Resp: 23166
Ion Ratio Lower Upper
117 100
82 56.8 38.3 57.5
119 35.0 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.000 min

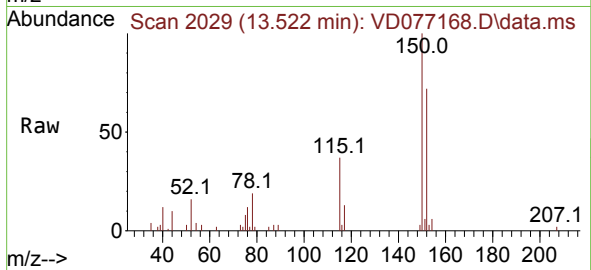
Lab File: VD077168.D

Acq: 20 Sep 2023 15:48

Instrument :

MSVOA_D

ClientSampleId :



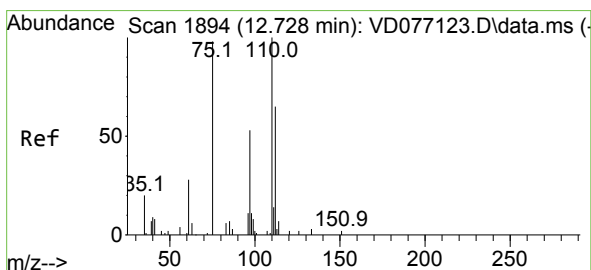
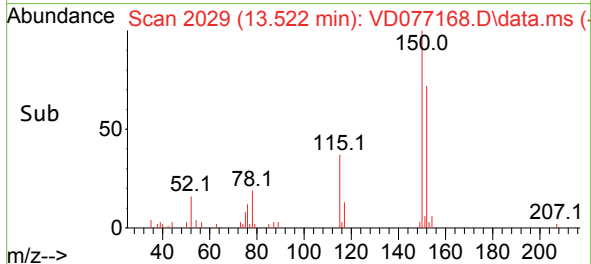
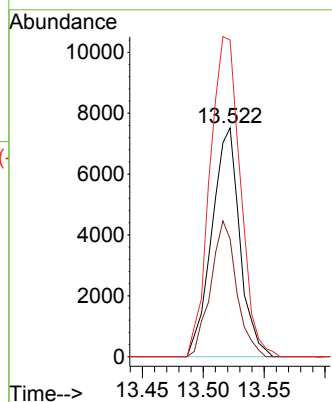
Tgt Ion:152 Resp: 12002

Ion Ratio Lower Upper

152 100

115 54.9 27.1 81.3

150 152.2 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 58.410 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD077168.D

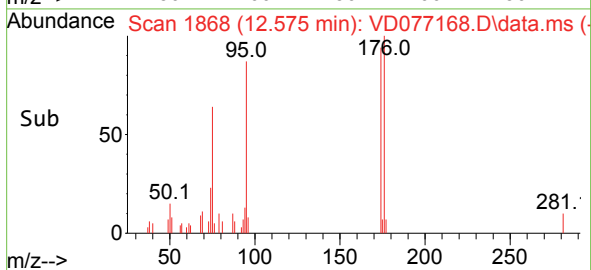
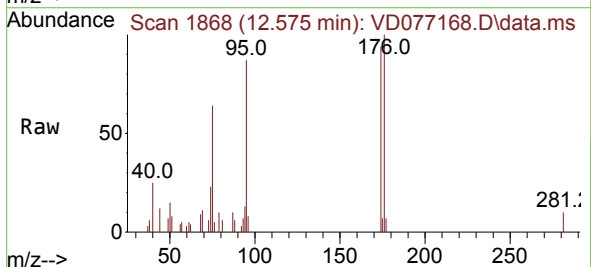
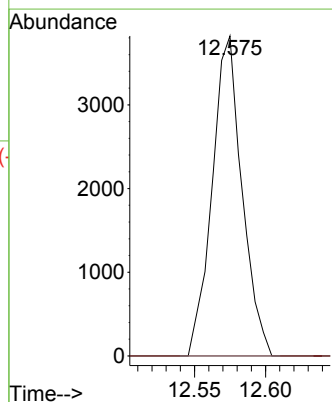
Acq: 20 Sep 2023 15:48

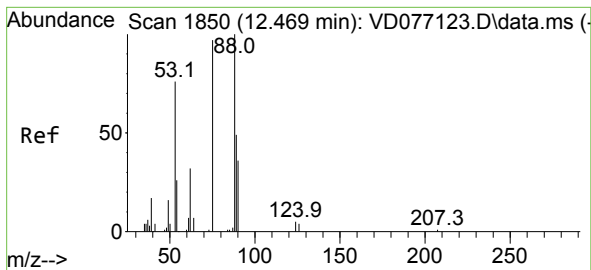
Tgt Ion: 75 Resp: 5592

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.559 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD077168.D
 Acq: 20 Sep 2023 15:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 75 Resp: 5592
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

