

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111722\
 Data File : VD074979.D
 Acq On : 17 Nov 2022 19:33
 Operator : VA/SY
 Sample : N5678-07
 Misc : 7.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 250FB-BP-BACKFILL-04

Quant Time: Nov 17 22:37:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

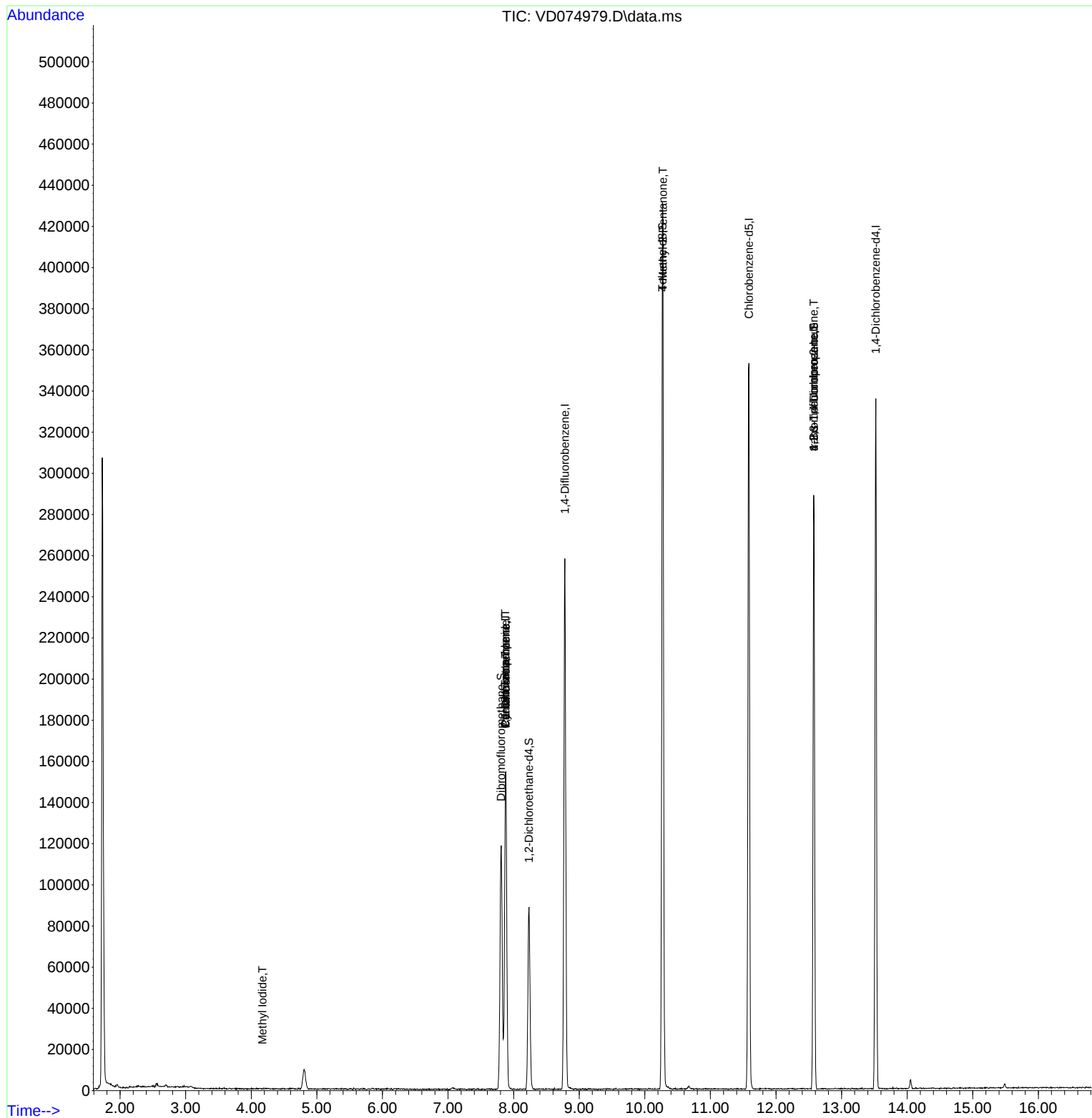
Internal Standards						
1) Pentafluorobenzene	7.881	168	129986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	244899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	227033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	96710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	69388	84.415	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 168.840%#	
35) Dibromofluoromethane	7.810	113	88289	58.484	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.960%	
50) Toluene-d8	10.269	98	316549	63.656	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 127.320%	
62) 4-Bromofluorobenzene	12.575	95	88581	58.011	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	430	Below Cal	#	81
5) Bromomethane	2.705	94	697	Below Cal		82
10) Methyl Iodide	4.169	142	122	4.839	ug/l #	43
20) Methylene Chloride	4.805	84	8722	Below Cal		94
31) Cyclohexane	7.875	56	2084	1.100	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	8460	3.813	ug/l #	47
38) Carbon Tetrachloride	7.875	117	12819	6.138	ug/l #	19
51) 4-Methyl-2-Pentanone	10.275	43	935	1.496	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	43653	53.967	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	43653	132.760	ug/l #	17

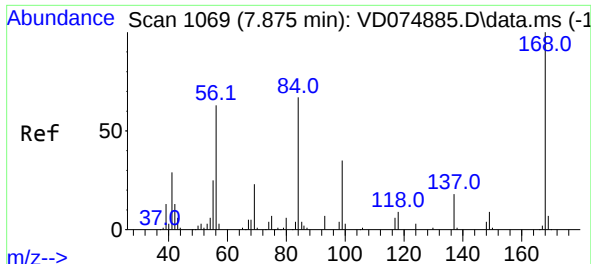
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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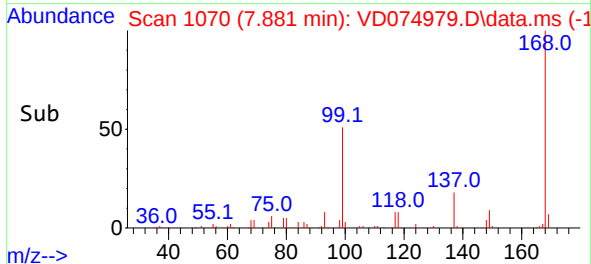
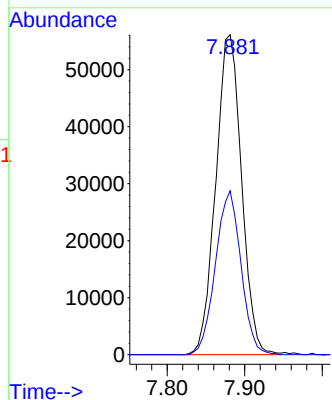
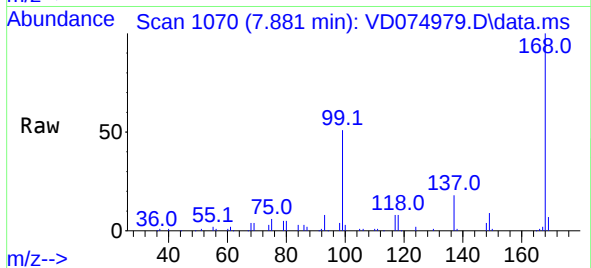




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

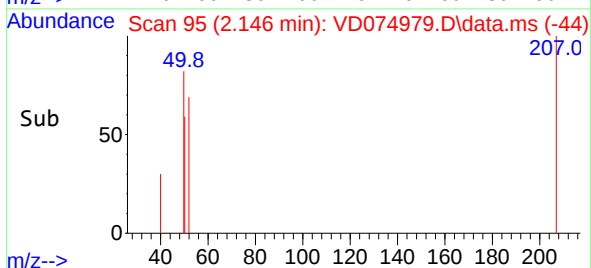
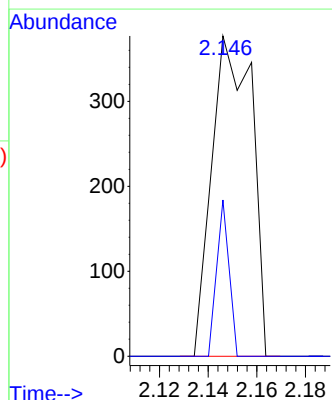
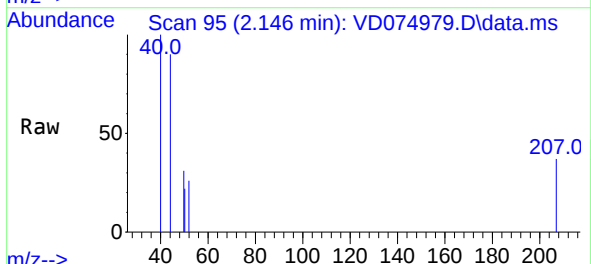
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-04

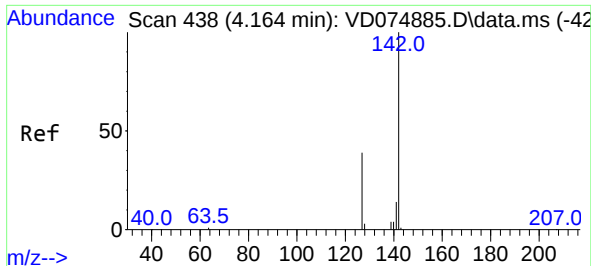
Tgt Ion:168 Resp: 129986
Ion Ratio Lower Upper
168 100
99 51.2 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

Tgt Ion: 50 Resp: 430
Ion Ratio Lower Upper
50 100
52 48.8 30.0 45.0#

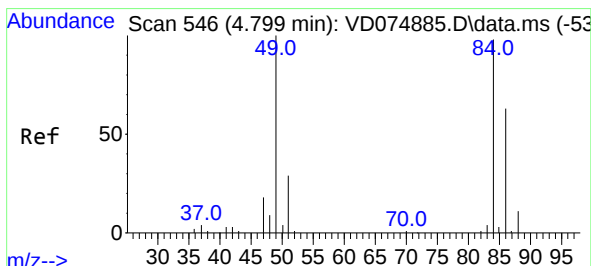
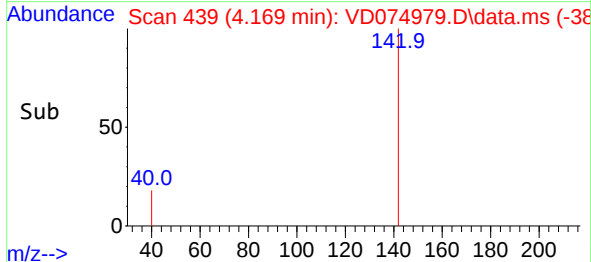
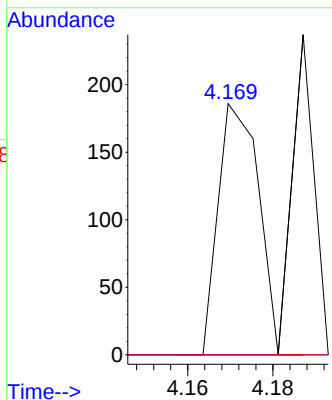
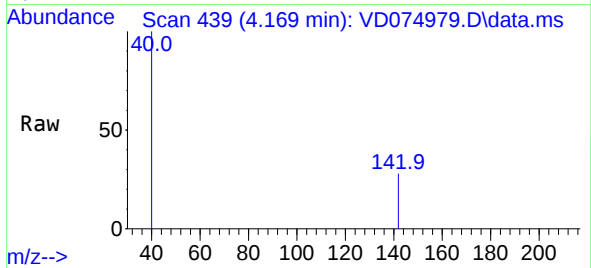




#10
Methyl Iodide
Concen: 4.839 ug/l
RT: 4.169 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

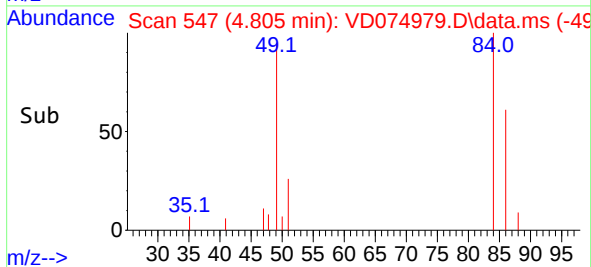
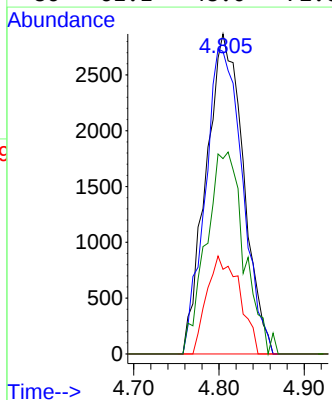
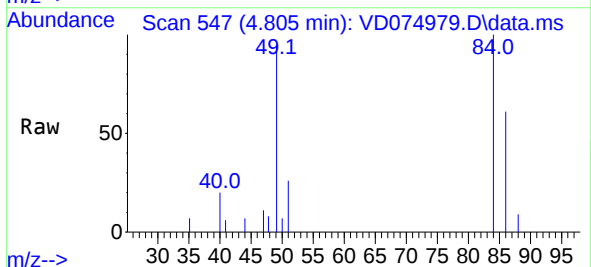
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-04

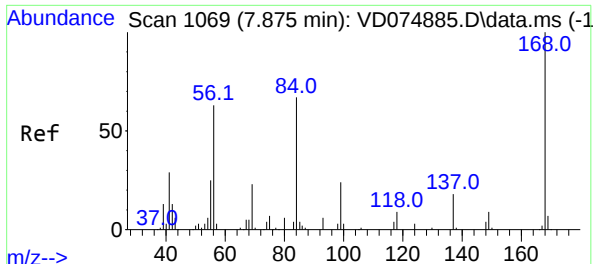
Tgt Ion:142 Resp: 122
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

Tgt Ion: 84 Resp: 8722
Ion Ratio Lower Upper
84 100
49 94.6 68.0 102.0
51 26.4 23.2 34.8
86 61.1 48.0 72.0

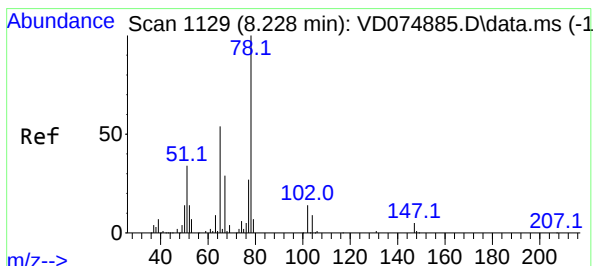
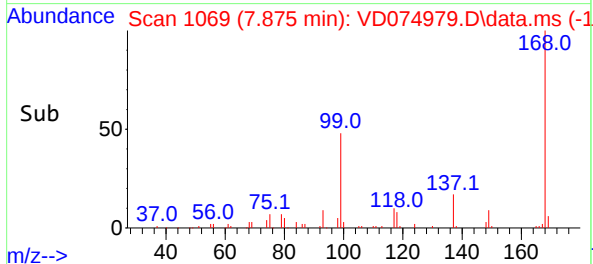
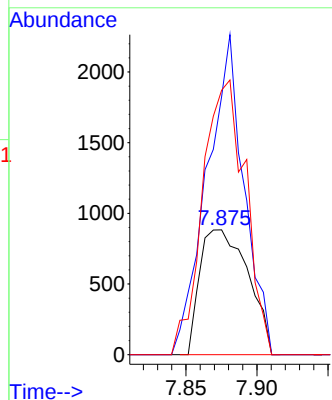
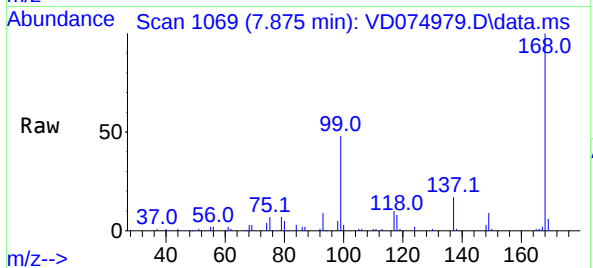




#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.875 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

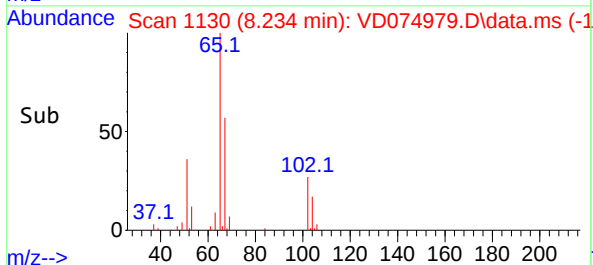
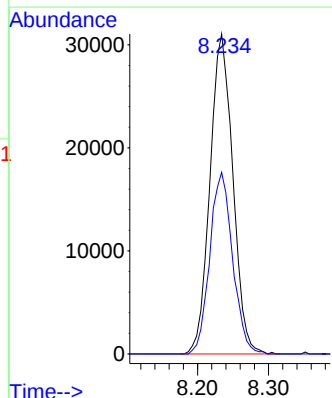
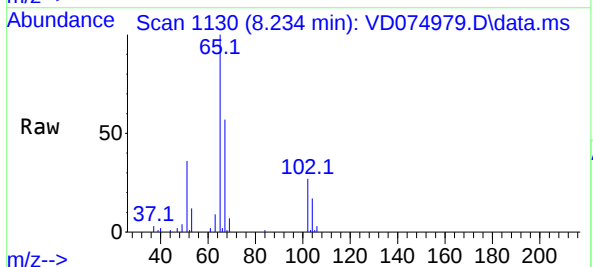
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-04

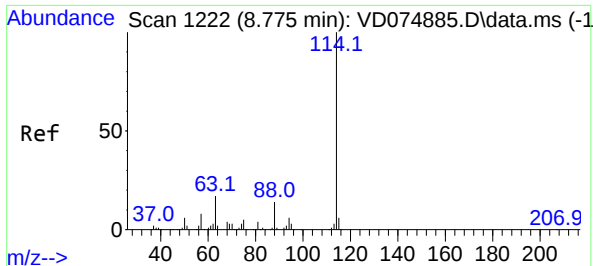
Tgt Ion: 56 Resp: 2084
Ion Ratio Lower Upper
56 100
69 206.9 29.2 43.8#
84 211.9 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 84.415 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

Tgt Ion: 65 Resp: 69388
Ion Ratio Lower Upper
65 100
67 56.6 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074979.D

Acq: 17 Nov 2022 19:33

Instrument :

MSVOA_D

ClientSampleId :

250FB-BP-BACKFILL-04

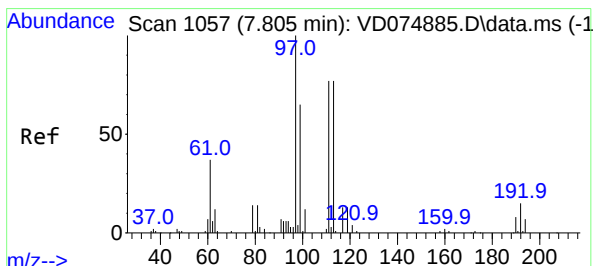
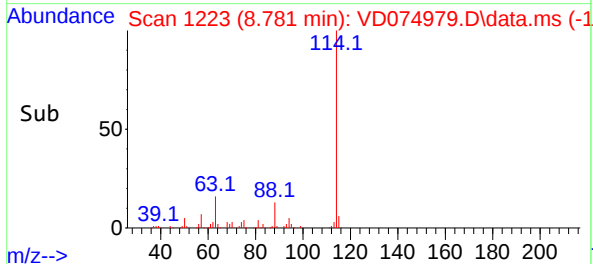
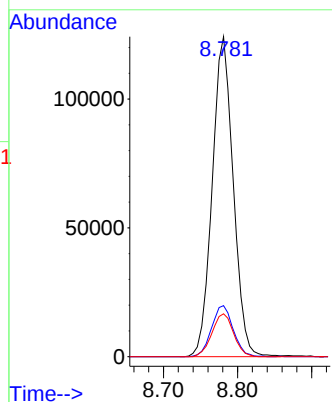
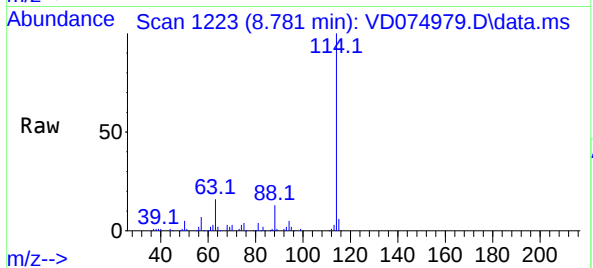
Tgt Ion:114 Resp: 244899

Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.2

88 13.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 58.484 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074979.D

Acq: 17 Nov 2022 19:33

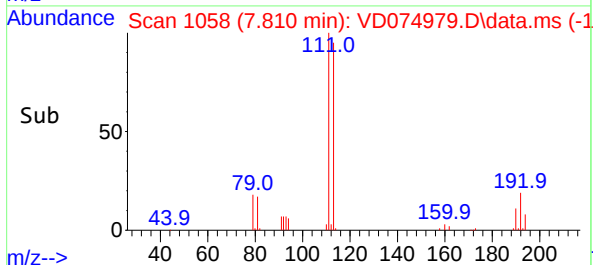
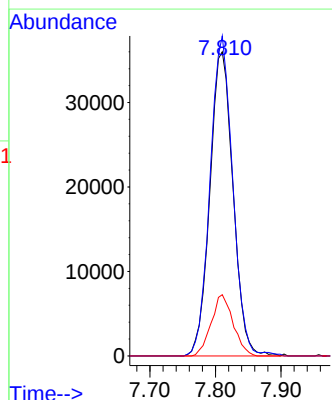
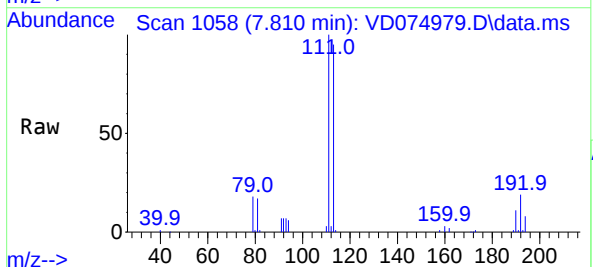
Tgt Ion:113 Resp: 88289

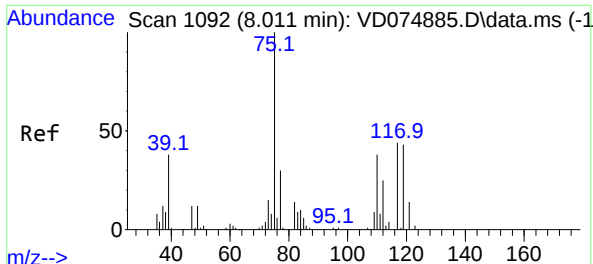
Ion Ratio Lower Upper

113 100

111 103.0 82.3 123.5

192 19.1 16.4 24.6

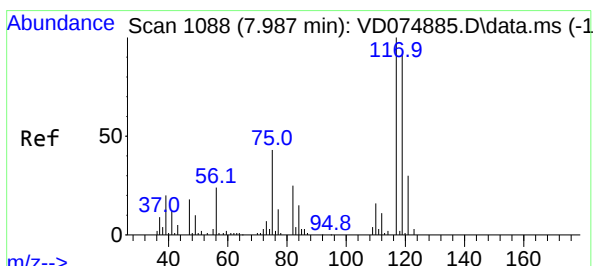
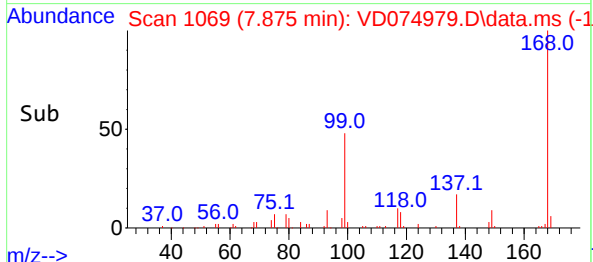
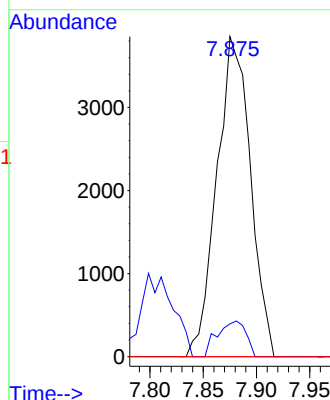
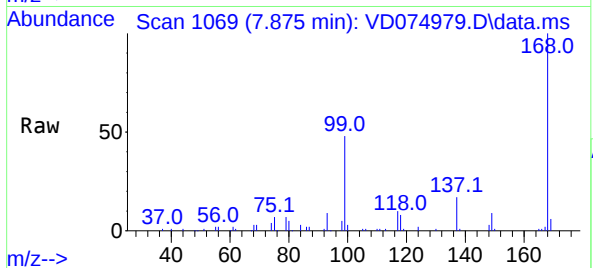




#36
1,1-Dichloropropene
Concen: 3.813 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.136 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

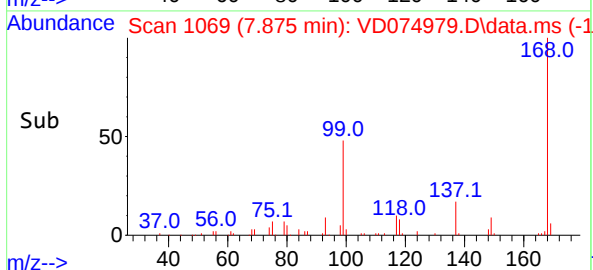
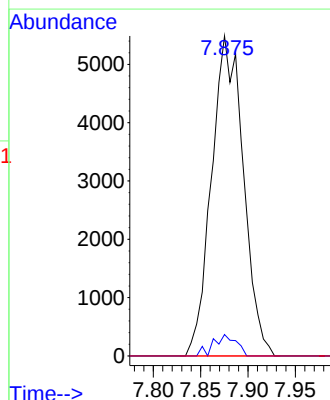
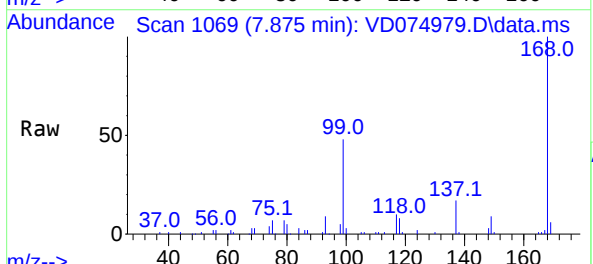
Instrument :
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ClientSampleId :
250FB-BP-BACKFILL-04

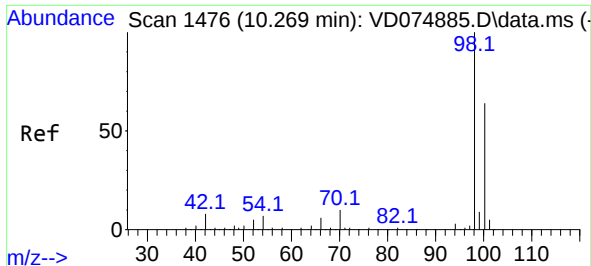
Tgt Ion: 75 Resp: 8460
Ion Ratio Lower Upper
75 100
110 9.5 19.7 59.0#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 6.138 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

Tgt Ion: 117 Resp: 12819
Ion Ratio Lower Upper
117 100
119 6.7 73.1 109.7#
121 0.0 25.0 37.6#

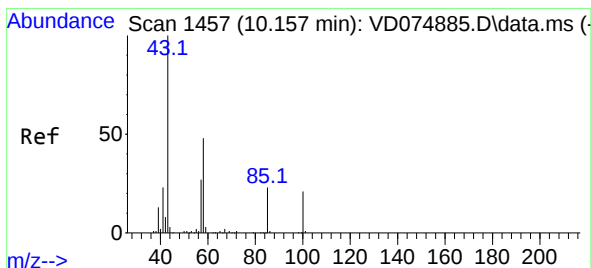
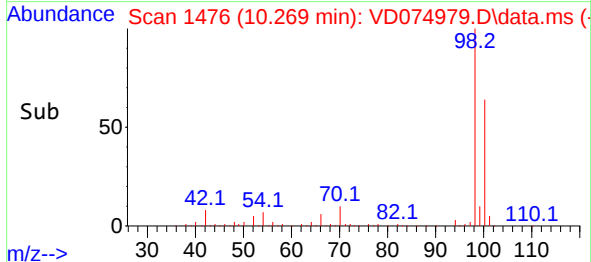
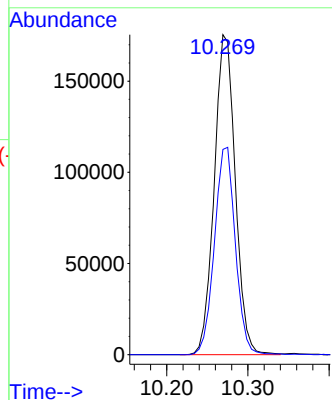
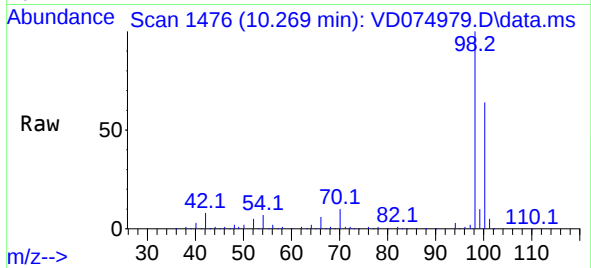




#50
Toluene-d8
Concen: 63.656 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

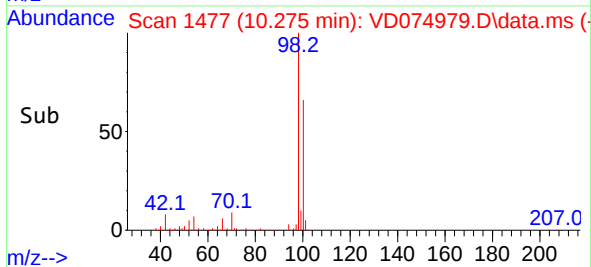
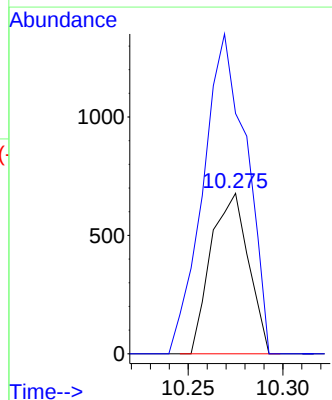
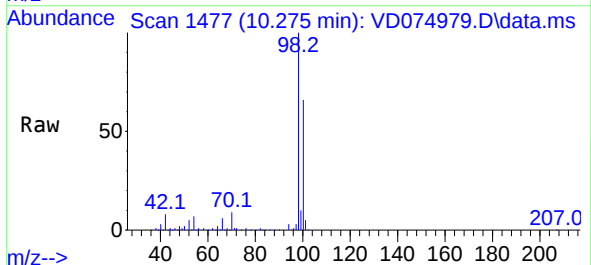
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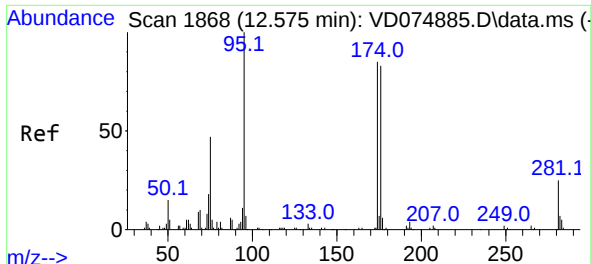
Tgt Ion: 98 Resp: 316549
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.496 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

Tgt Ion: 43 Resp: 935
Ion Ratio Lower Upper
43 100
58 230.5 37.8 56.6#

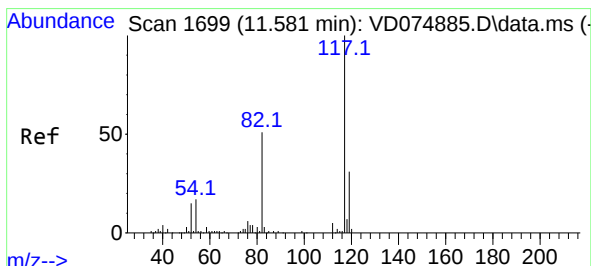
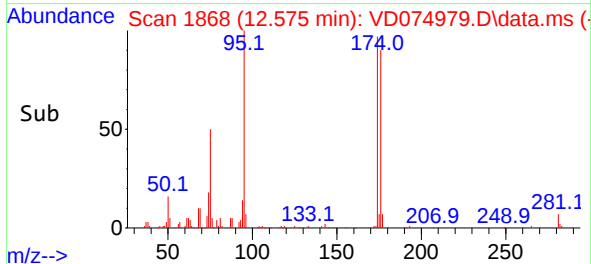
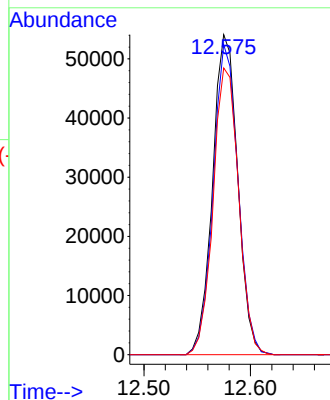
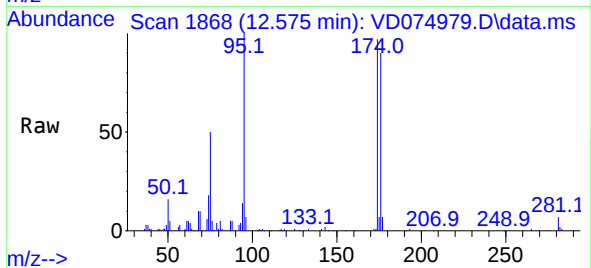




#62
4-Bromofluorobenzene
Concen: 58.011 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

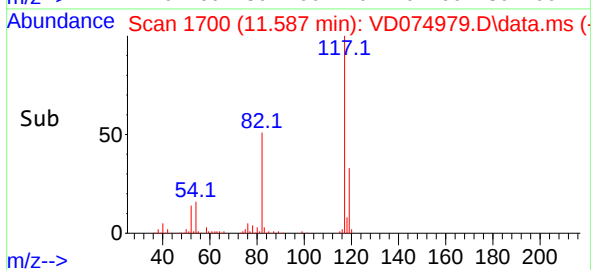
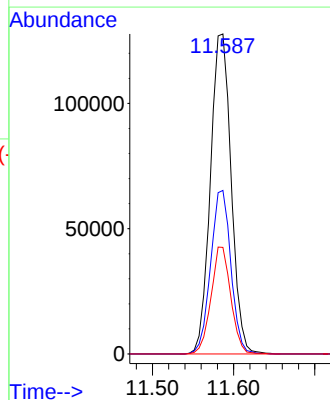
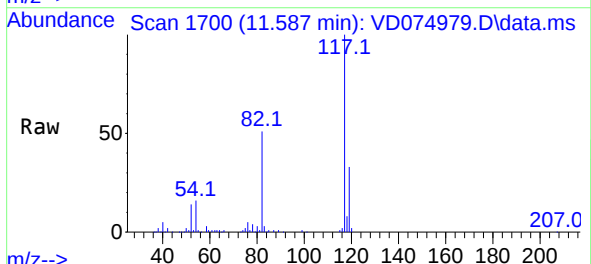
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-04

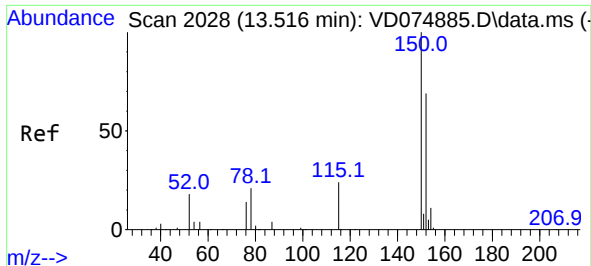
Tgt Ion:	95	Resp:	88581
Ion	Ratio	Lower	Upper
95	100		
174	95.7	0.0	197.0
176	90.9	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

Tgt Ion:	117	Resp:	227033
Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.6	62.4
119	33.3	25.2	37.8

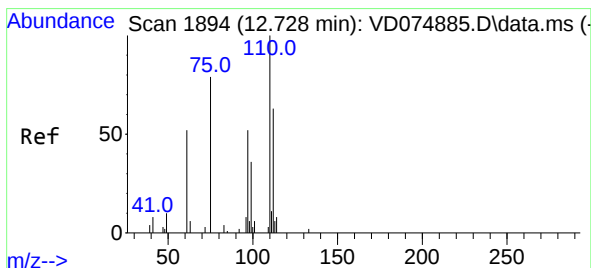
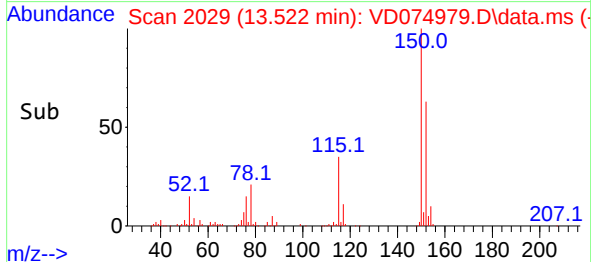
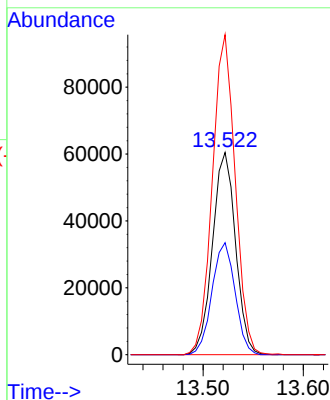
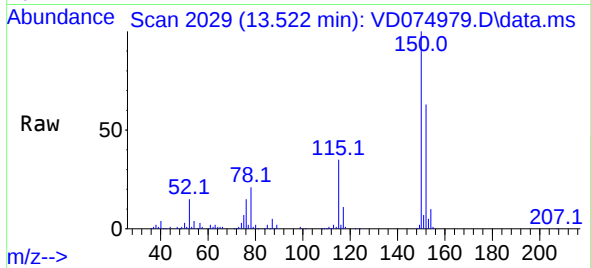




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

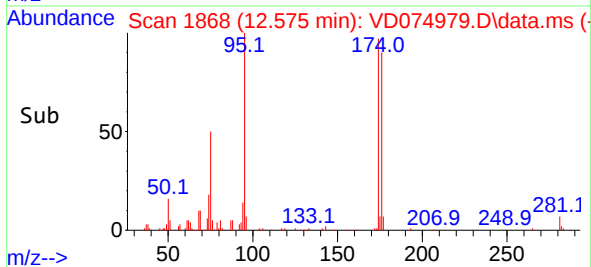
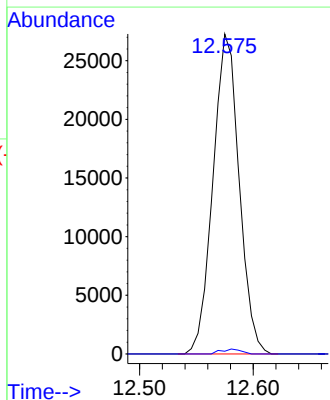
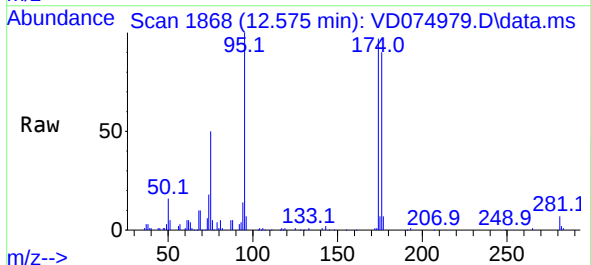
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-04

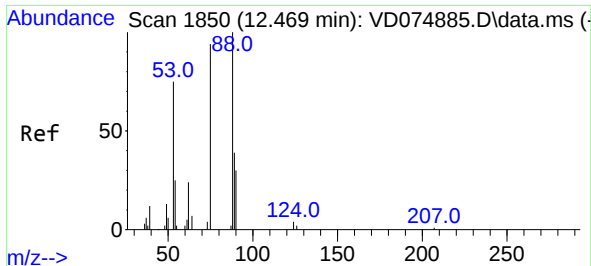
Tgt Ion:152 Resp: 96710
Ion Ratio Lower Upper
152 100
115 55.4 26.8 80.4
150 156.6 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 53.967 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

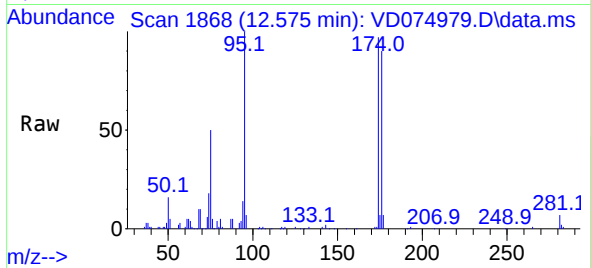
Tgt Ion: 75 Resp: 43653
Ion Ratio Lower Upper
75 100
77 1.2 185.8 557.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 132.760 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD074979.D
Acq: 17 Nov 2022 19:33

Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-04



Tgt Ion: 75 Resp: 43653
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

