

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111722\
 Data File : VD074980.D
 Acq On : 17 Nov 2022 20:00
 Operator : VA/SY
 Sample : N5678-09
 Misc : 7.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 250FB-BP-BACKFILL-05

Quant Time: Nov 17 22:37:45 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)

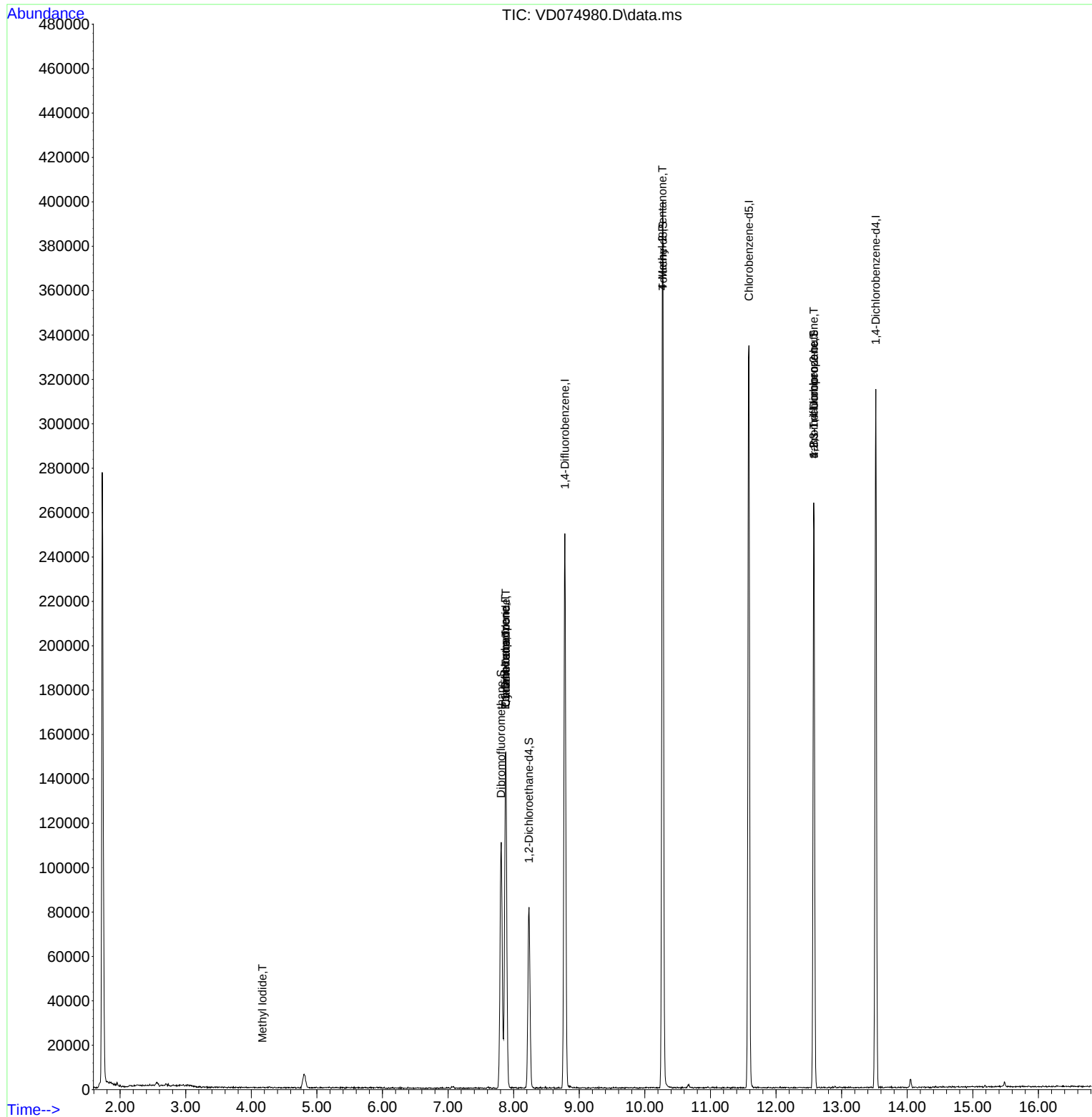
Internal Standards						
1) Pentafluorobenzene	7.875	168	126908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	238109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	218324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	90500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	63967	79.333	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 158.660%			
35) Dibromofluoromethane	7.810	113	81943	55.828	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.660%			
50) Toluene-d8	10.275	98	292381	60.473	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 120.940%			
62) 4-Bromofluorobenzene	12.575	95	81758	55.069	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.140%			
Target Compounds						
3) Chloromethane	2.146	50	352	Below Cal	#	70
5) Bromomethane	2.693	94	505	Below Cal		82
10) Methyl Iodide	4.169	142	116	4.837	ug/l #	43
18) Methyl Acetate	4.581	43	57	Below Cal	#	44
20) Methylene Chloride	4.805	84	5577	Below Cal		98
31) Cyclohexane	7.881	56	2314	1.251	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	9280	4.302	ug/l #	46
38) Carbon Tetrachloride	7.881	117	12040	5.929	ug/l #	22
51) 4-Methyl-2-Pentanone	10.269	43	828	1.362	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	40347	53.303	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	40347	131.126	ug/l #	17

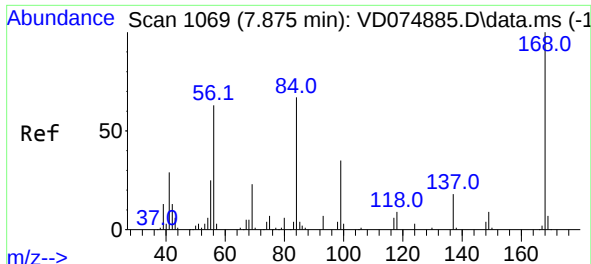
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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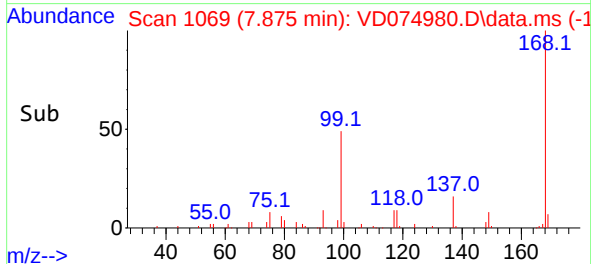
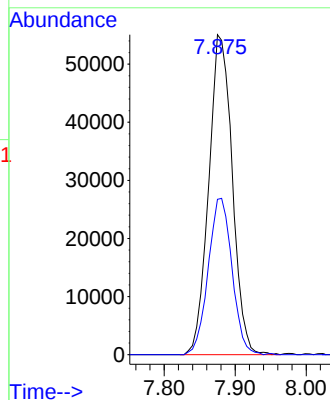
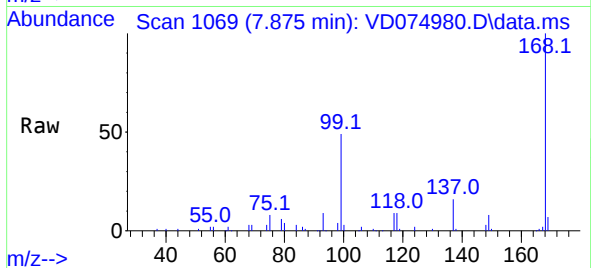




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074980.D
Acq: 17 Nov 2022 20:00

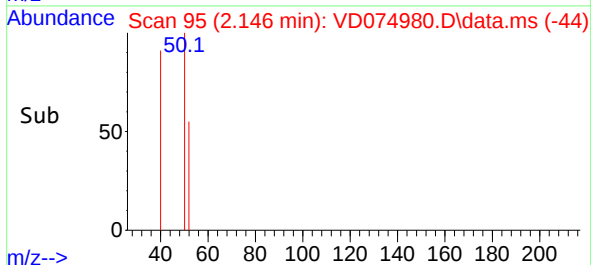
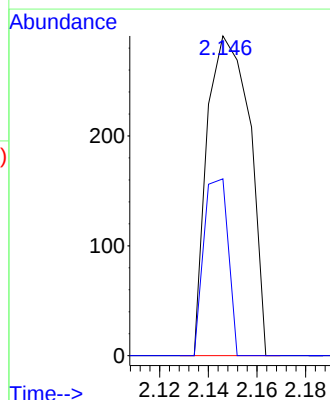
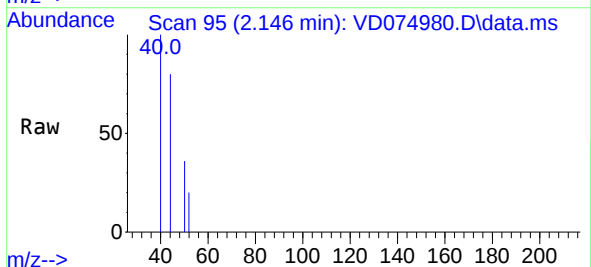
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-05

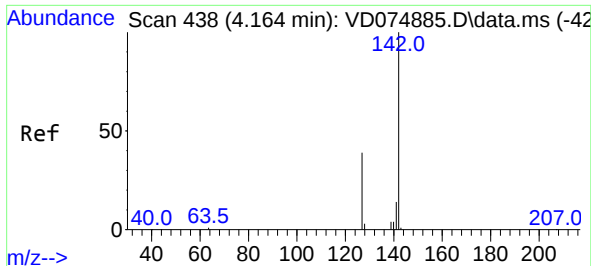
Tgt Ion:168 Resp: 126908
Ion Ratio Lower Upper
168 100
99 48.5 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD074980.D
Acq: 17 Nov 2022 20:00

Tgt Ion: 50 Resp: 352
Ion Ratio Lower Upper
50 100
52 55.3 30.0 45.0#

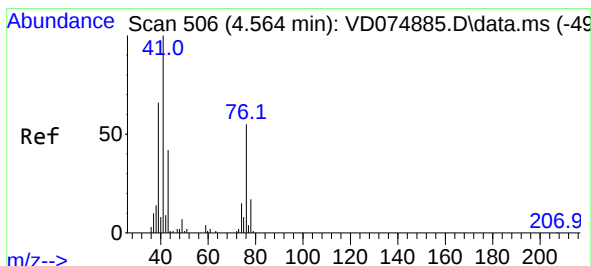
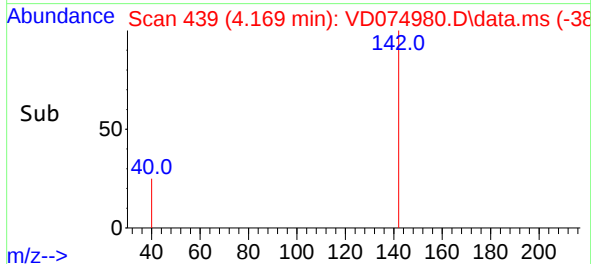
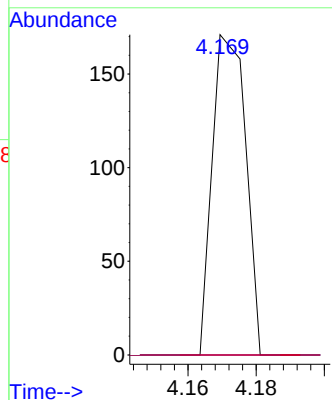
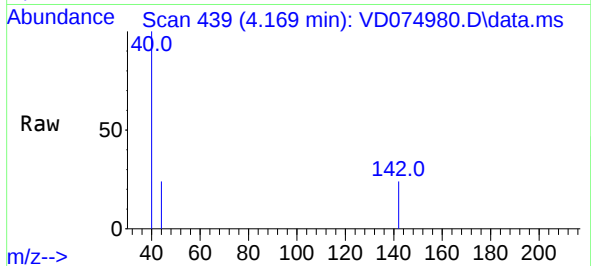




#10
Methyl Iodide
Concen: 4.837 ug/l
RT: 4.169 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD074980.D
Acq: 17 Nov 2022 20:00

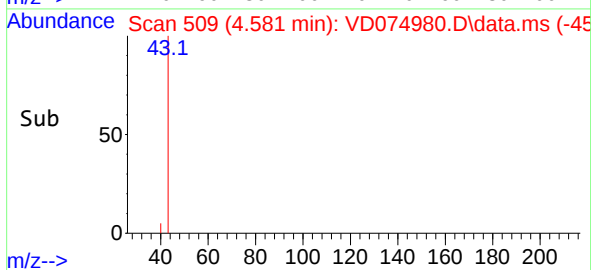
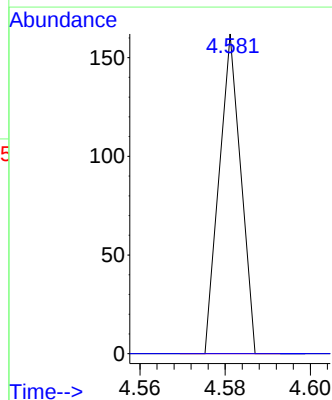
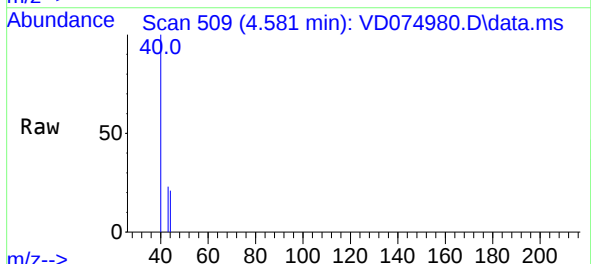
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-05

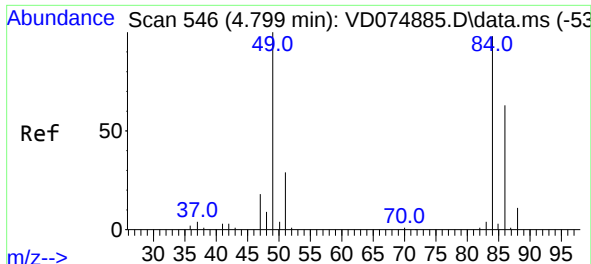
Tgt Ion:142 Resp: 116
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.581 min Scan# 509
Delta R.T. 0.017 min
Lab File: VD074980.D
Acq: 17 Nov 2022 20:00

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 24.7 37.1#



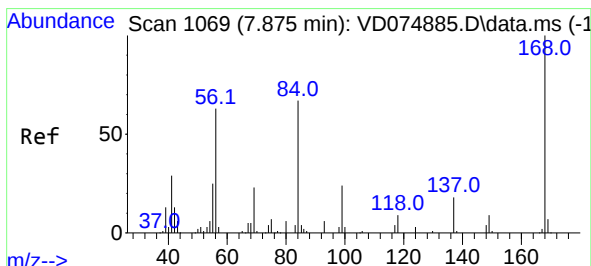
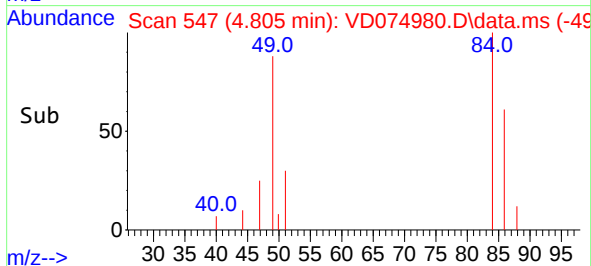
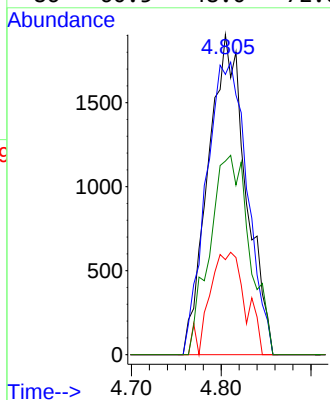
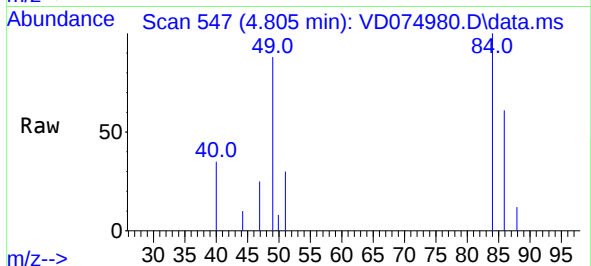


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD074980.D
Acq: 17 Nov 2022 20:00

Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-05

Tgt Ion: 84 Resp: 5577

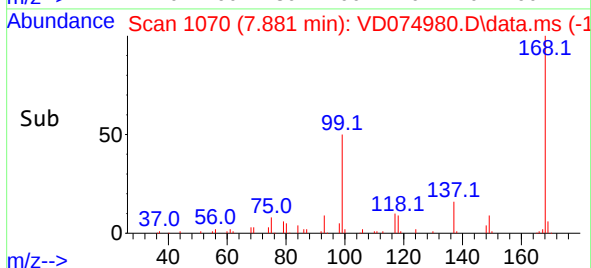
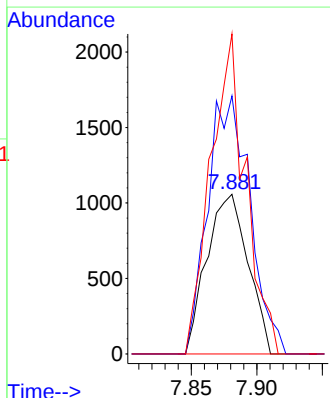
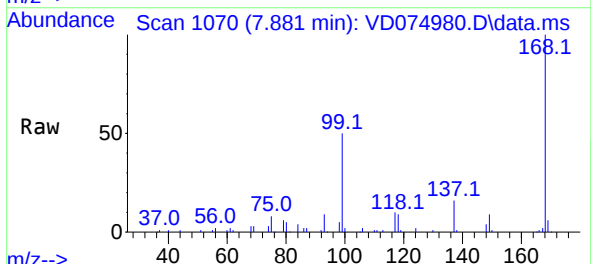
Ion	Ratio	Lower	Upper
84	100		
49	87.6	68.0	102.0
51	29.7	23.2	34.8
86	60.5	48.0	72.0

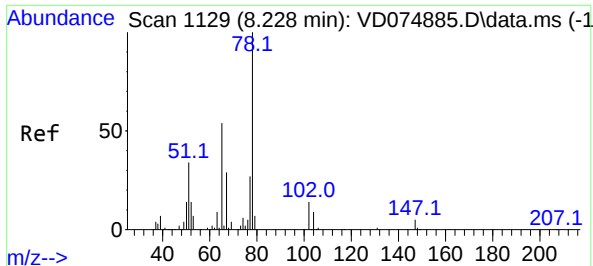


#31
Cyclohexane
Concen: 1.251 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD074980.D
Acq: 17 Nov 2022 20:00

Tgt Ion: 56 Resp: 2314

Ion	Ratio	Lower	Upper
56	100		
69	161.6	29.2	43.8#
84	200.4	83.4	125.2#





#33

1,2-Dichloroethane-d4

Concen: 79.333 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD074980.D

Acq: 17 Nov 2022 20:00

Instrument :

MSVOA_D

ClientSampleId :

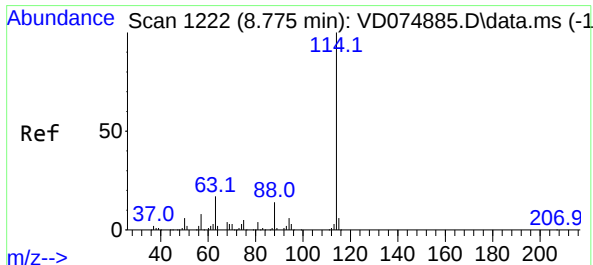
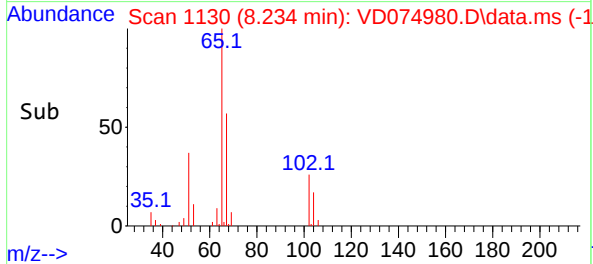
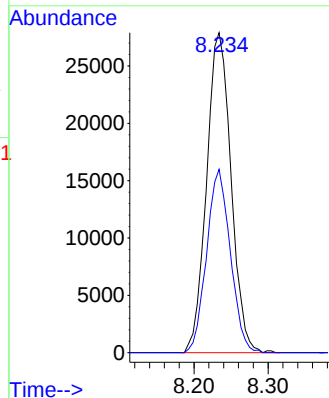
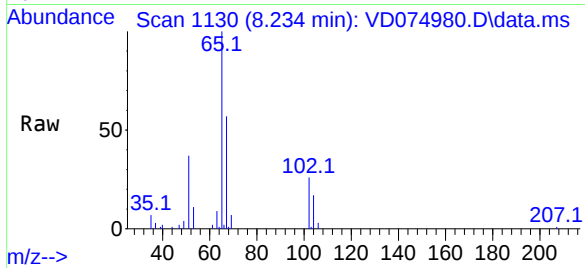
250FB-BP-BACKFILL-05

Tgt Ion: 65 Resp: 63967

Ion Ratio Lower Upper

65 100

67 55.6 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074980.D

Acq: 17 Nov 2022 20:00

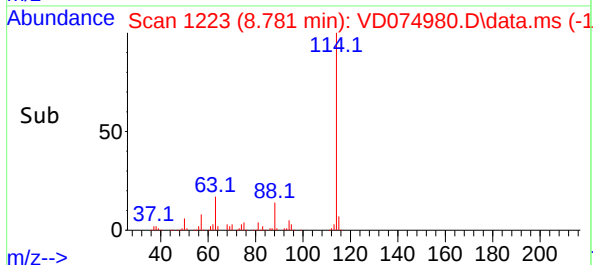
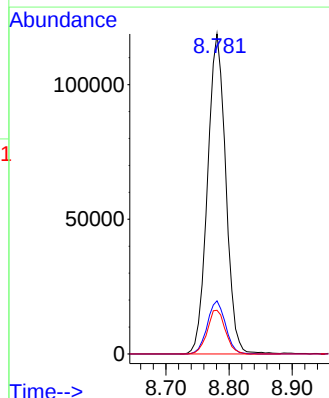
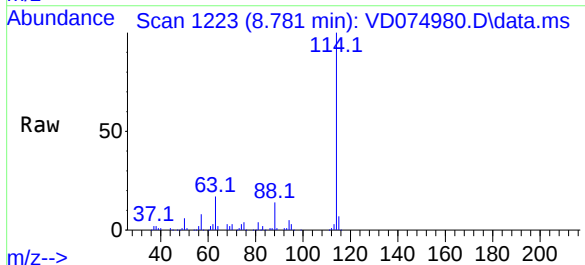
Tgt Ion: 114 Resp: 238109

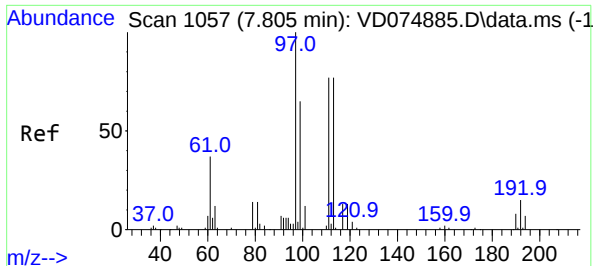
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.2

88 13.7 0.0 28.2





#35

Dibromofluoromethane

Concen: 55.828 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074980.D

Acq: 17 Nov 2022 20:00

Instrument :

MSVOA_D

ClientSampleId :

250FB-BP-BACKFILL-05

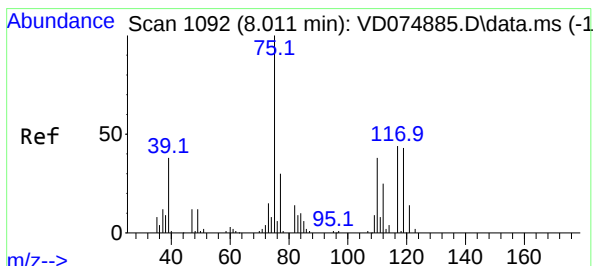
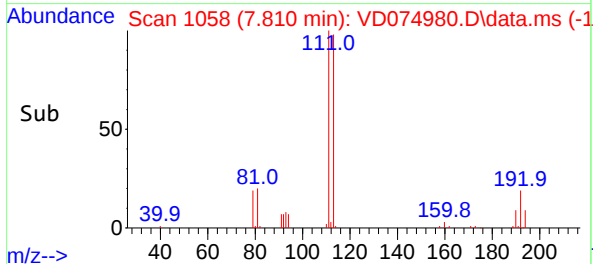
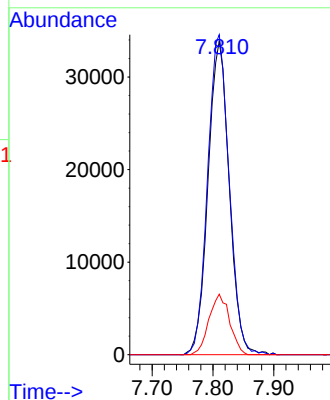
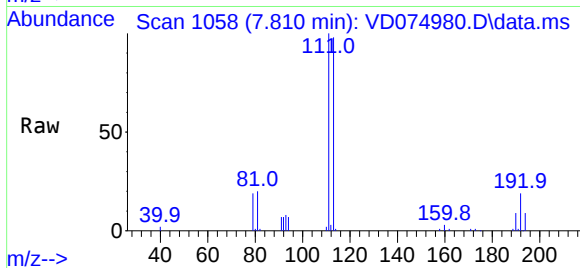
Tgt Ion:113 Resp: 81943

Ion Ratio Lower Upper

113 100

111 103.5 82.3 123.5

192 18.8 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.302 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.136 min

Lab File: VD074980.D

Acq: 17 Nov 2022 20:00

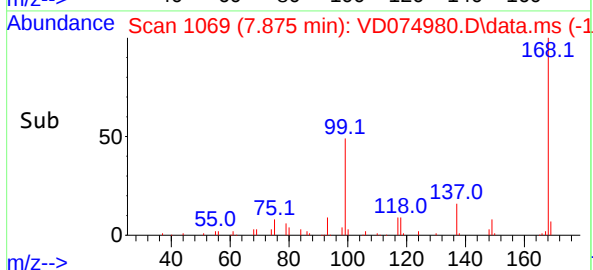
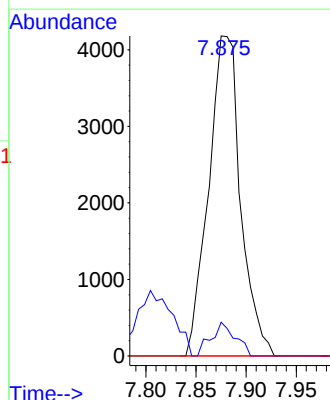
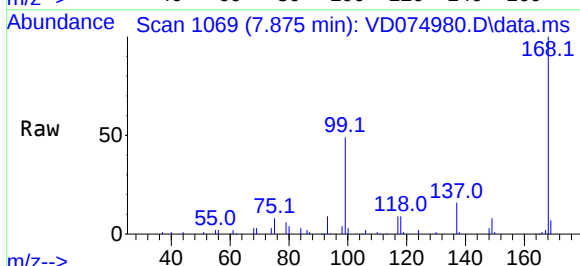
Tgt Ion: 75 Resp: 9280

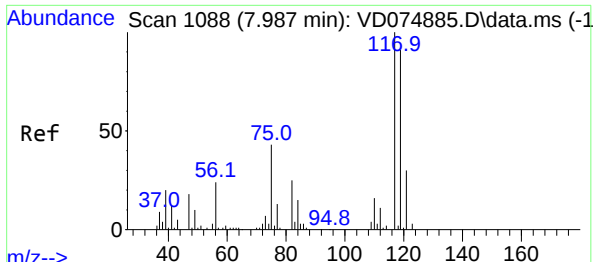
Ion Ratio Lower Upper

75 100

110 8.0 19.7 59.0#

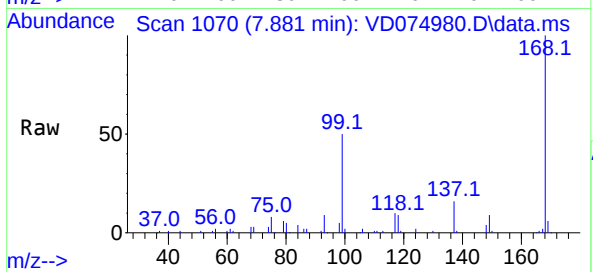
77 0.0 25.4 38.2#



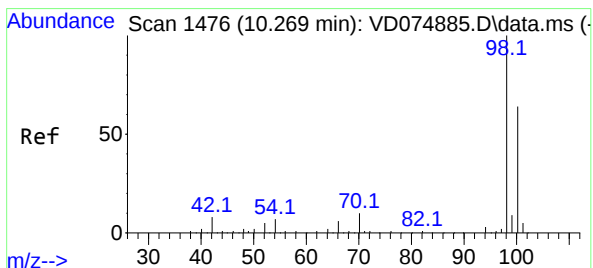
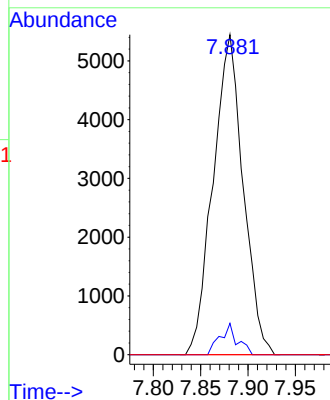
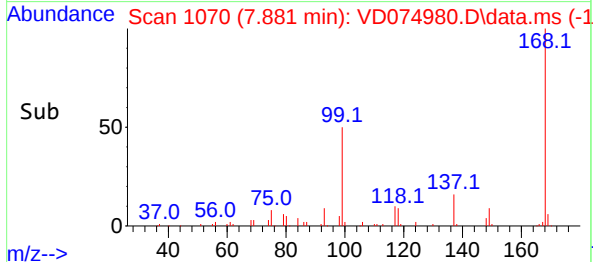


#38
Carbon Tetrachloride
Concen: 5.929 ug/l
RT: 7.881 min Scan# 1088
Delta R.T. -0.106 min
Lab File: VD074980.D
Acq: 17 Nov 2022 20:00

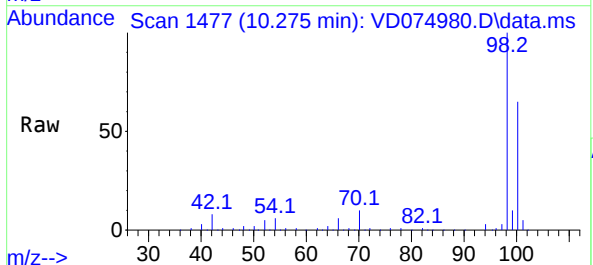
Instrument : MSVOA_D
ClientSampleId : 250FB-BP-BACKFILL-05



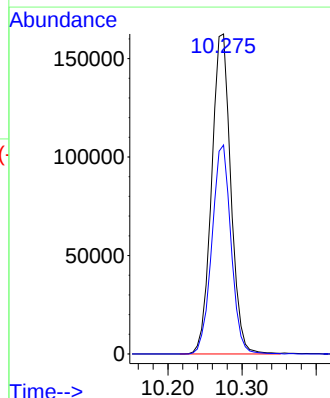
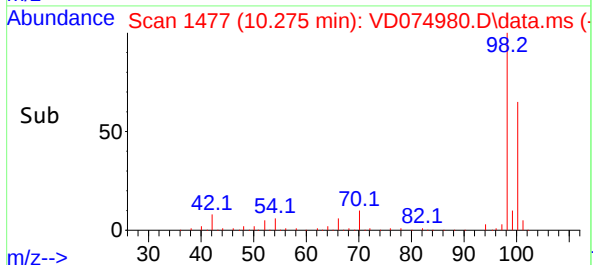
Tgt Ion:117 Resp: 12040
Ion Ratio Lower Upper
117 100
119 9.8 73.1 109.7#
121 0.0 25.0 37.6#

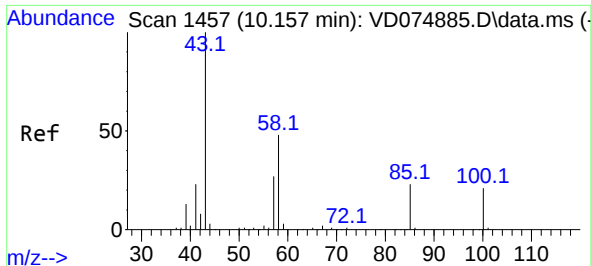


#50
Toluene-d8
Concen: 60.473 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VD074980.D
Acq: 17 Nov 2022 20:00



Tgt Ion: 98 Resp: 292381
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.362 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD074980.D

Acq: 17 Nov 2022 20:00

Instrument :

MSVOA_D

ClientSampleId :

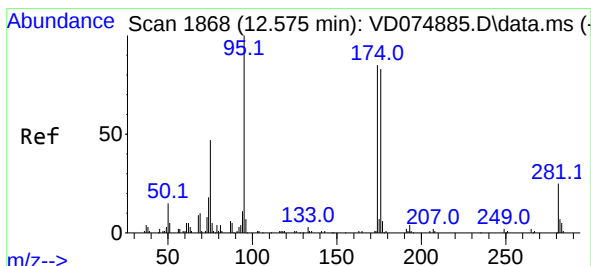
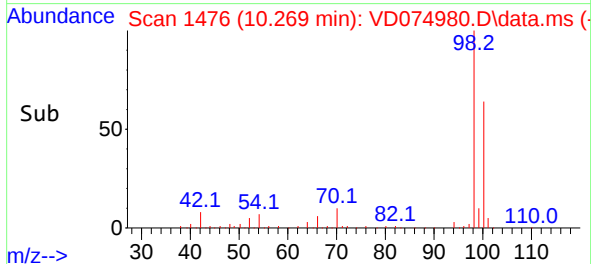
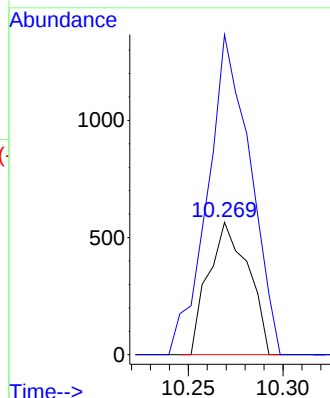
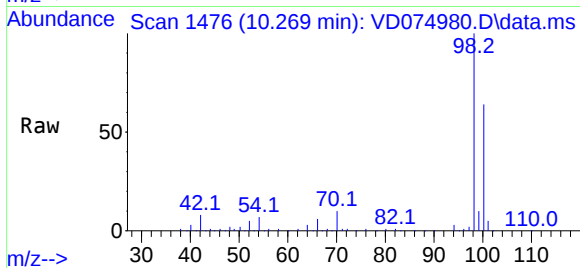
250FB-BP-BACKFILL-05

Tgt Ion: 43 Resp: 828

Ion Ratio Lower Upper

43 100

58 258.3 37.8 56.6#



#62

4-Bromofluorobenzene

Concen: 55.069 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD074980.D

Acq: 17 Nov 2022 20:00

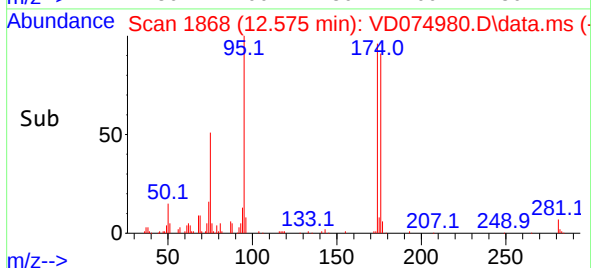
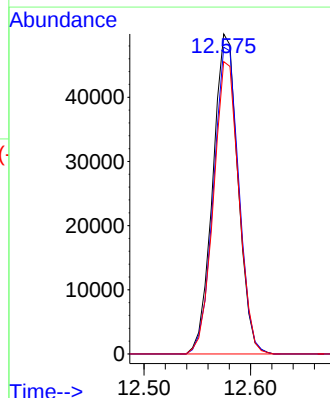
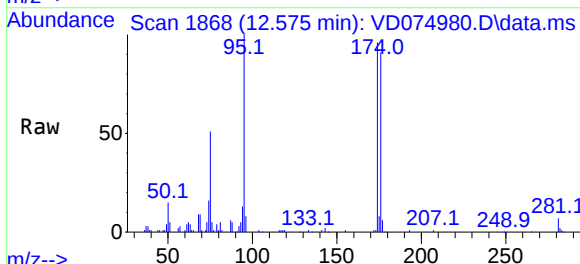
Tgt Ion: 95 Resp: 81758

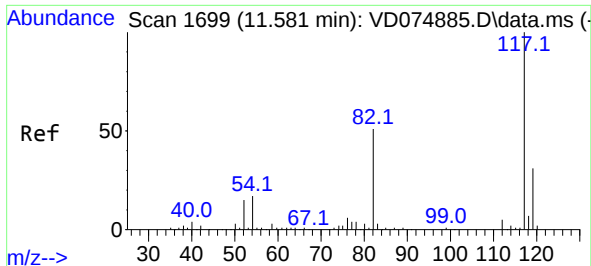
Ion Ratio Lower Upper

95 100

174 96.2 0.0 197.0

176 91.6 0.0 182.6

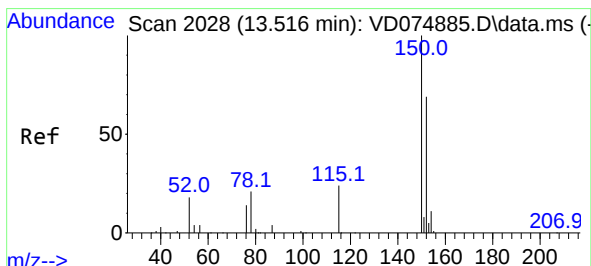
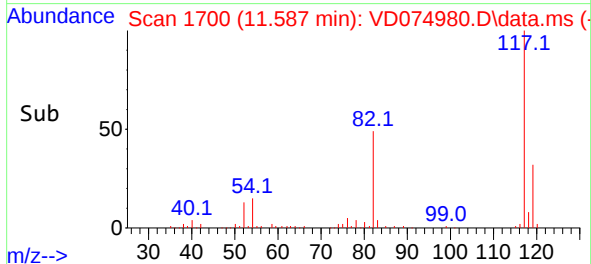
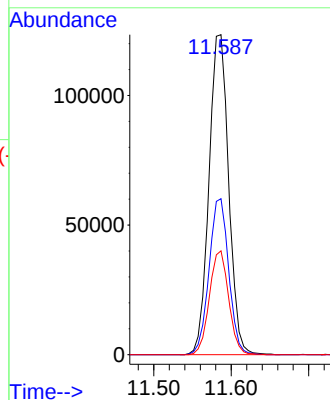
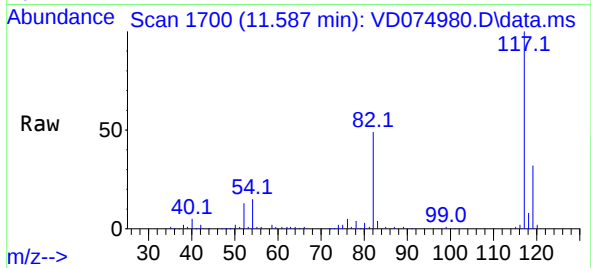




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074980.D
Acq: 17 Nov 2022 20:00

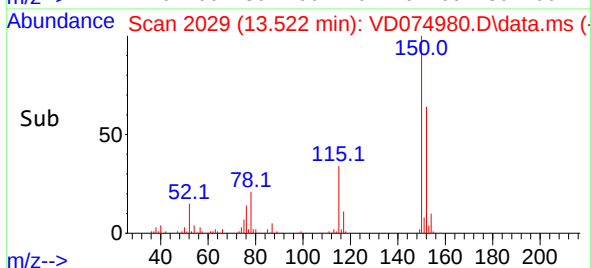
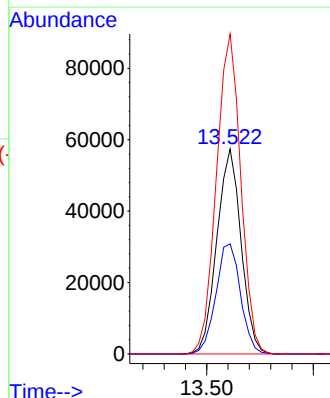
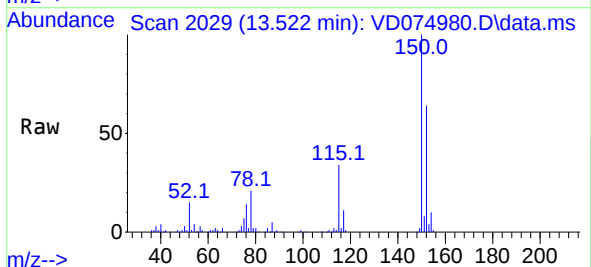
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-05

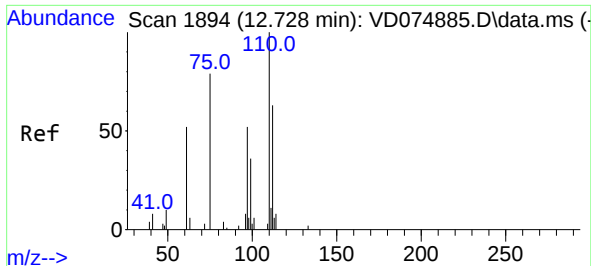
Tgt Ion:117 Resp: 218324
Ion Ratio Lower Upper
117 100
82 48.7 41.6 62.4
119 32.4 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074980.D
Acq: 17 Nov 2022 20:00

Tgt Ion:152 Resp: 90500
Ion Ratio Lower Upper
152 100
115 54.7 26.8 80.4
150 157.3 0.0 348.2

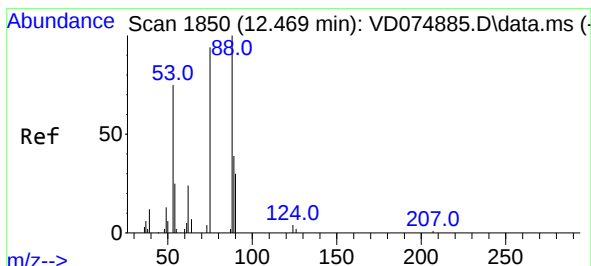
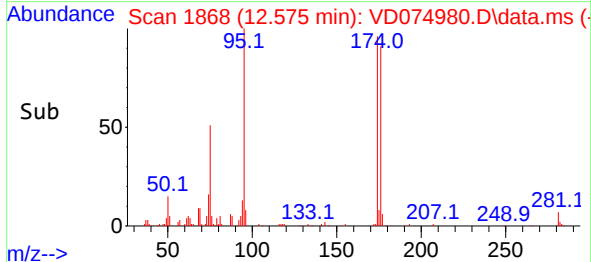
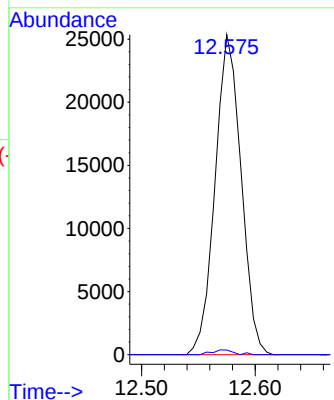
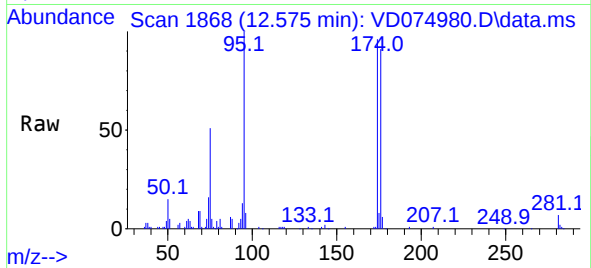




#76
1,2,3-Trichloropropane
Concen: 53.303 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074980.D
Acq: 17 Nov 2022 20:00

Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-05

Tgt Ion: 75 Resp: 40347
Ion Ratio Lower Upper
75 100
77 1.3 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.126 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074980.D
Acq: 17 Nov 2022 20:00

Tgt Ion: 75 Resp: 40347
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

