

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111722\
 Data File : VD074977.D
 Acq On : 17 Nov 2022 18:39
 Operator : VA/SY
 Sample : N5678-03
 Misc : 7.12G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 250FB-BP-BACKFILL-02

Quant Time: Nov 17 22:37:22 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)

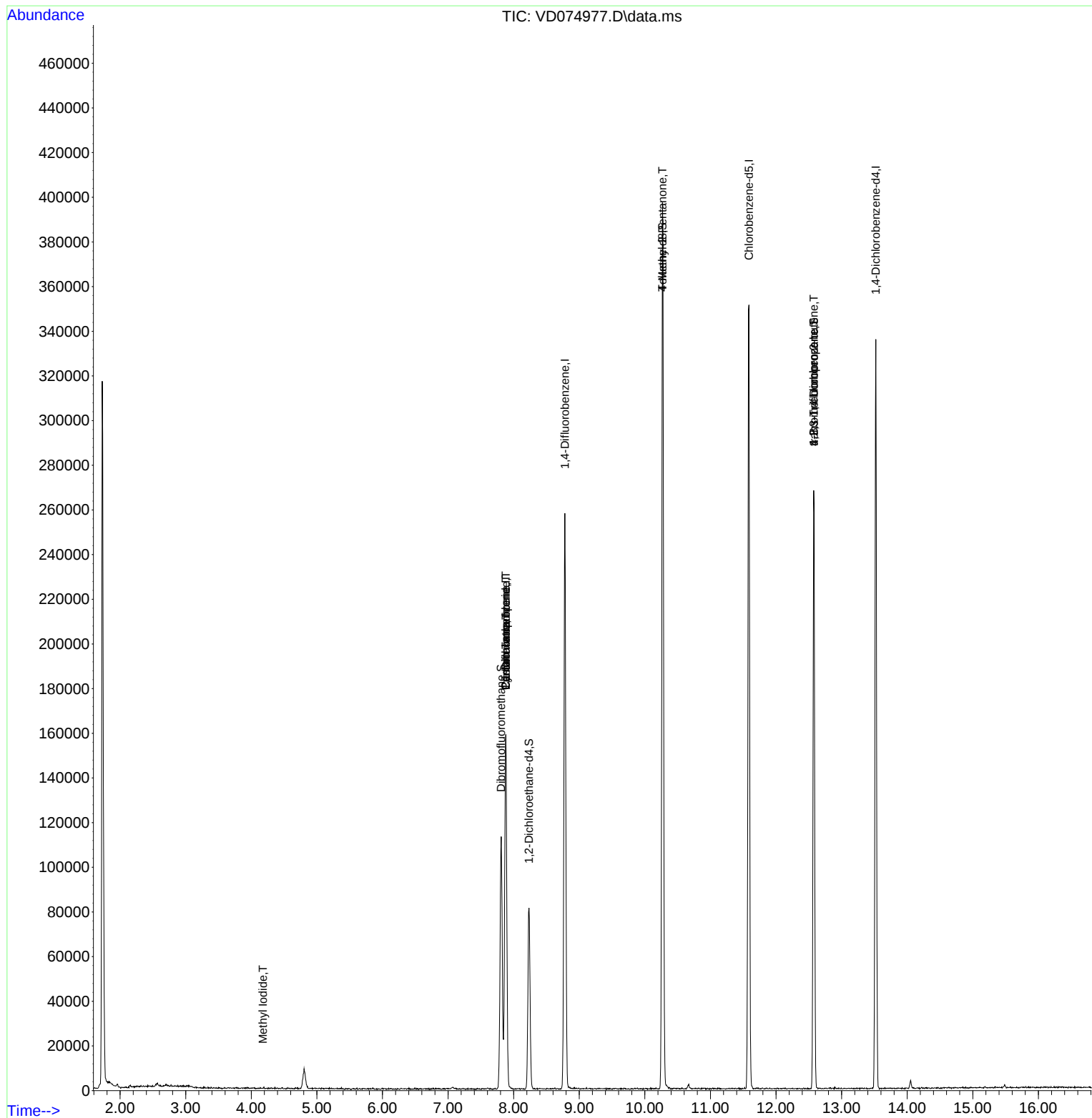
Internal Standards						
1) Pentafluorobenzene	7.881	168	131316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	245650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	226177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	95824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	65080	77.891	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 155.780%	
35) Dibromofluoromethane	7.810	113	81522	53.836	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.680%	
50) Toluene-d8	10.269	98	292512	58.643	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 117.280%	
62) 4-Bromofluorobenzene	12.575	95	83755	54.682	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.360%	
Target Compounds						
3) Chloromethane	2.152	50	570	Below Cal	Qvalue 100	
5) Bromomethane	2.705	94	752	Below Cal	88	
10) Methyl Iodide	4.175	142	133	4.844 ug/l	#	43
20) Methylene Chloride	4.805	84	7190	Below Cal	97	
31) Cyclohexane	7.881	56	2306	1.205 ug/l	#	11
36) 1,1-Dichloropropene	7.881	75	9597	4.312 ug/l	#	47
38) Carbon Tetrachloride	7.881	117	12380	5.910 ug/l	#	19
51) 4-Methyl-2-Pentanone	10.269	43	885	1.411 ug/l	#	1
76) 1,2,3-Trichloropropane	12.575	75	41510	51.792 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.575	75	41510	127.410 ug/l	#	17

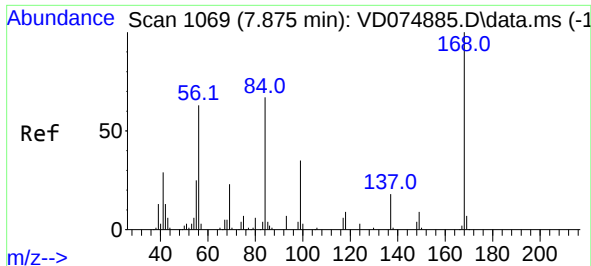
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111722\
Data File : VD074977.D
Acq On : 17 Nov 2022 18:39
Operator : VA/SY
Sample : N5678-03
Misc : 7.12G/5.00ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-02

Quant Time: Nov 17 22:37:22 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

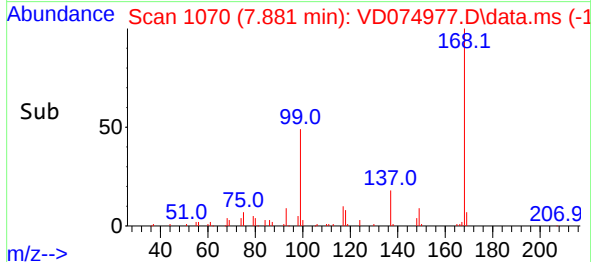
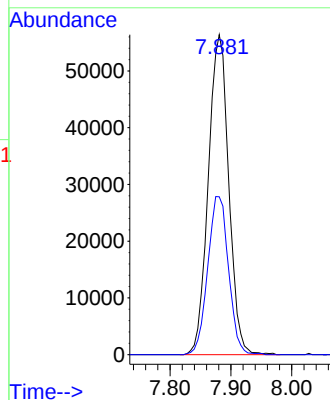
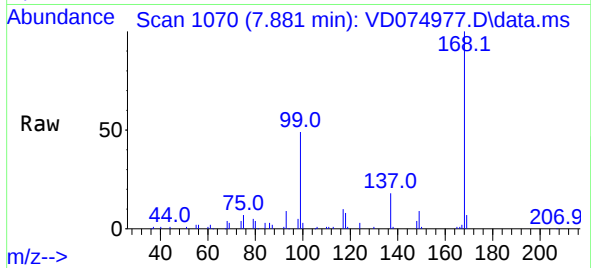




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074977.D
Acq: 17 Nov 2022 18:39

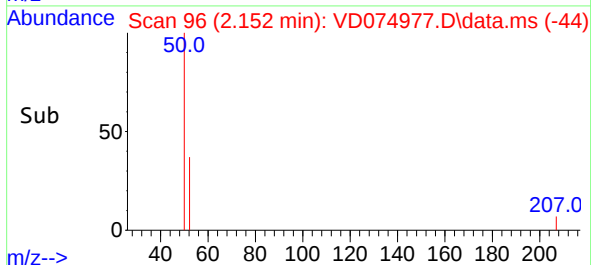
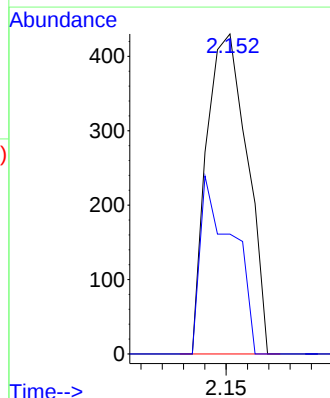
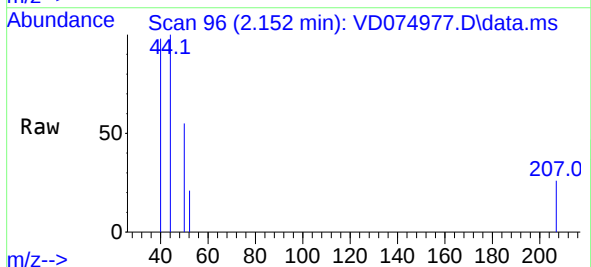
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-02

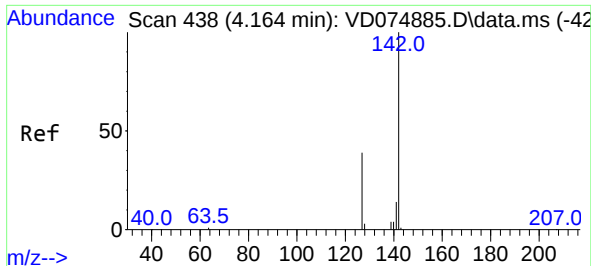
Tgt Ion:168 Resp: 131316
Ion Ratio Lower Upper
168 100
99 49.3 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD074977.D
Acq: 17 Nov 2022 18:39

Tgt Ion: 50 Resp: 570
Ion Ratio Lower Upper
50 100
52 37.4 30.0 45.0

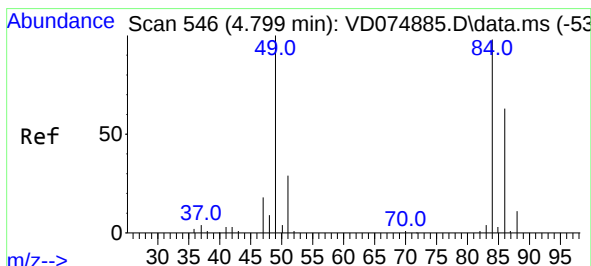
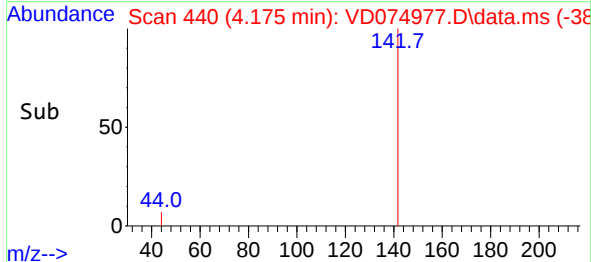
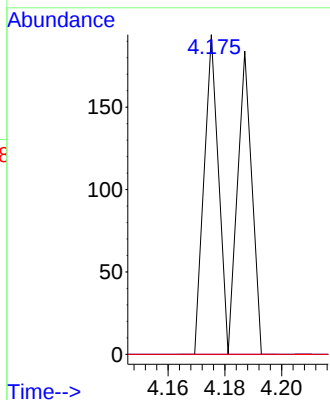
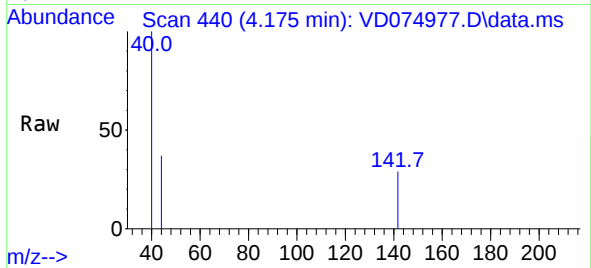




#10
Methyl Iodide
Concen: 4.844 ug/l
RT: 4.175 min Scan# 441
Delta R.T. 0.011 min
Lab File: VD074977.D
Acq: 17 Nov 2022 18:39

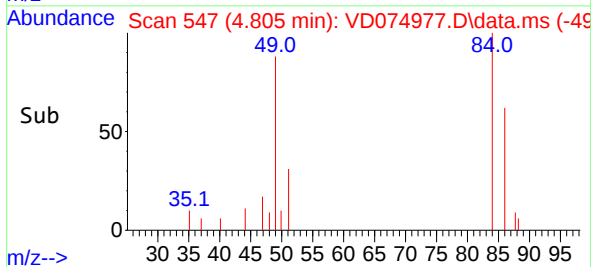
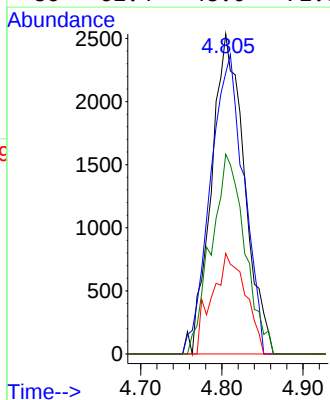
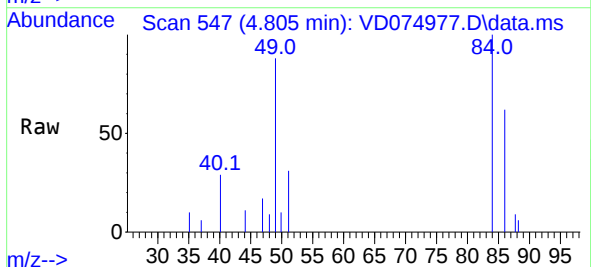
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-02

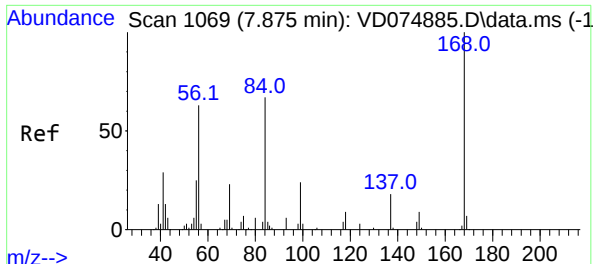
Tgt Ion:	142	Resp:	133
Ion	Ratio	Lower	Upper
142	100		
127	0.0	31.9	47.9#
141	0.0	11.4	17.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074977.D
Acq: 17 Nov 2022 18:39

Tgt Ion:	84	Resp:	7190
Ion	Ratio	Lower	Upper
84	100		
49	87.8	68.0	102.0
51	31.4	23.2	34.8
86	62.4	48.0	72.0

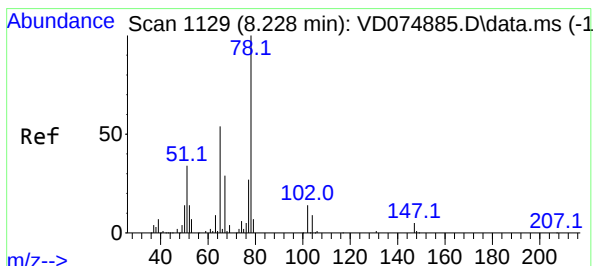
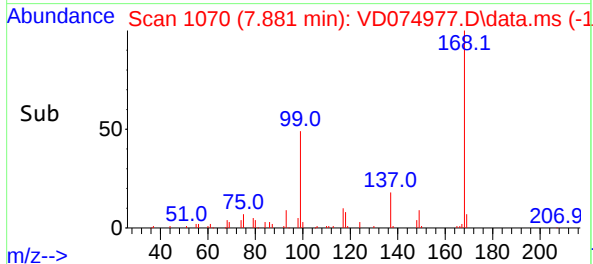
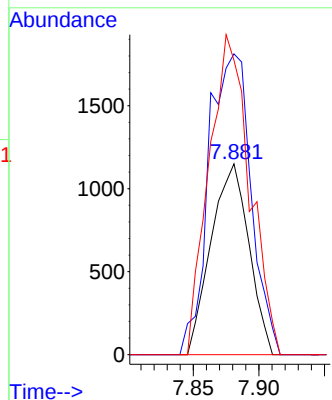
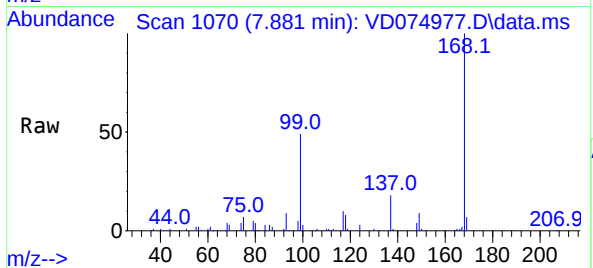




#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.881 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074977.D
Acq: 17 Nov 2022 18:39

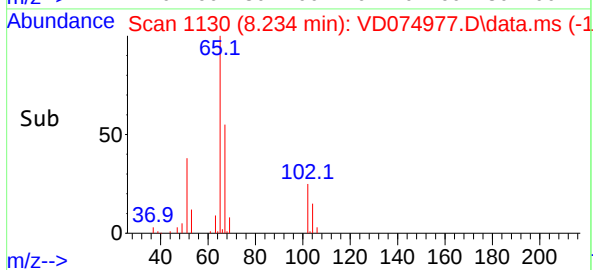
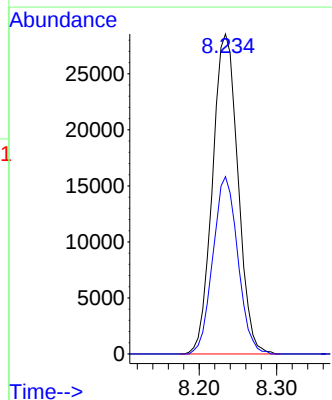
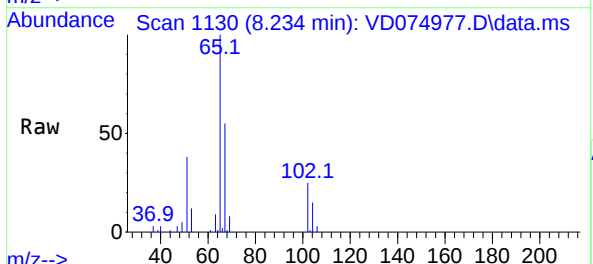
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-02

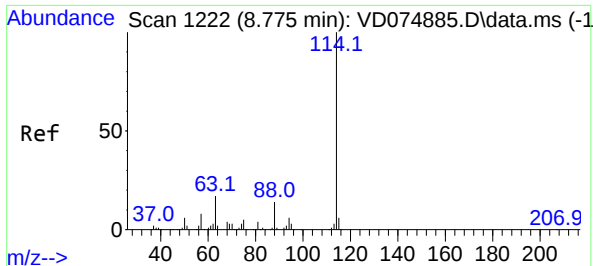
Tgt Ion: 56 Resp: 2306
Ion Ratio Lower Upper
56 100
69 157.6 29.2 43.8#
84 154.3 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 77.891 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074977.D
Acq: 17 Nov 2022 18:39

Tgt Ion: 65 Resp: 65080
Ion Ratio Lower Upper
65 100
67 54.2 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: VD074977.D

Acq: 17 Nov 2022 18:39

Instrument :

MSVOA_D

ClientSampleId :

250FB-BP-BACKFILL-02

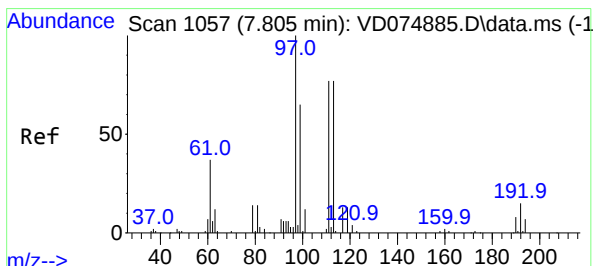
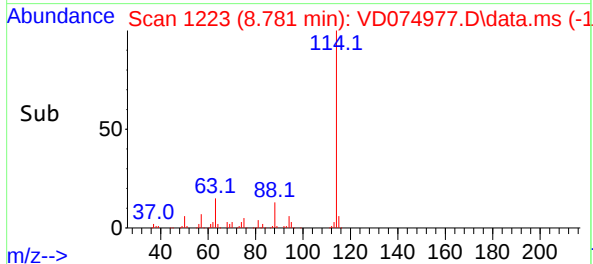
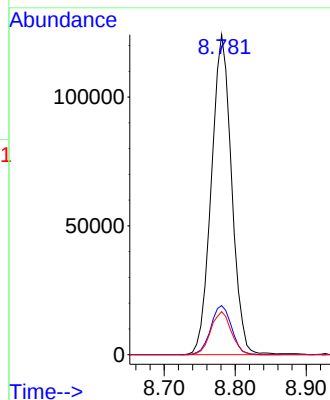
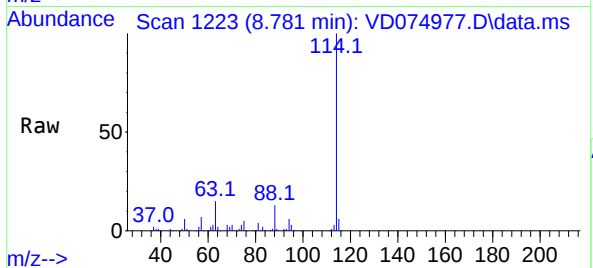
Tgt Ion:114 Resp: 245650

Ion Ratio Lower Upper

114 100

63 15.4 0.0 33.2

88 13.5 0.0 28.2



#35

Dibromofluoromethane

Concen: 53.836 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074977.D

Acq: 17 Nov 2022 18:39

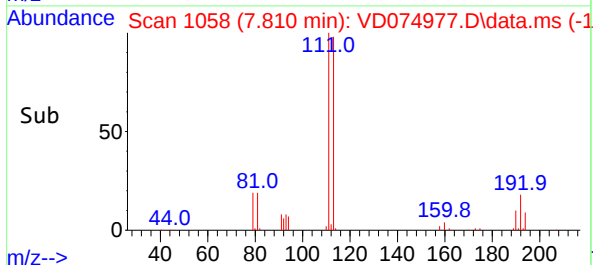
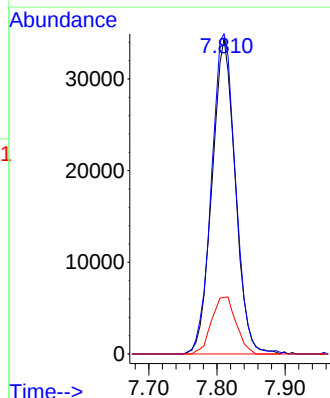
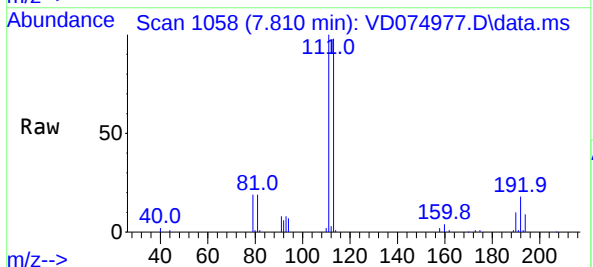
Tgt Ion:113 Resp: 81522

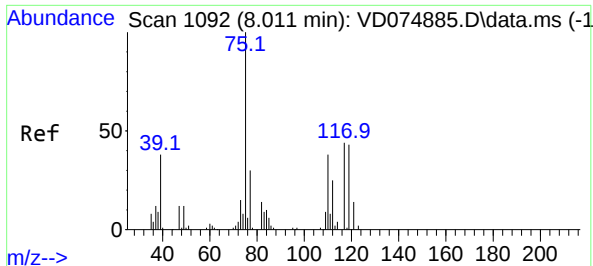
Ion Ratio Lower Upper

113 100

111 104.9 82.3 123.5

192 19.0 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.312 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD074977.D

Acq: 17 Nov 2022 18:39

Instrument :

MSVOA_D

ClientSampleId :

250FB-BP-BACKFILL-02

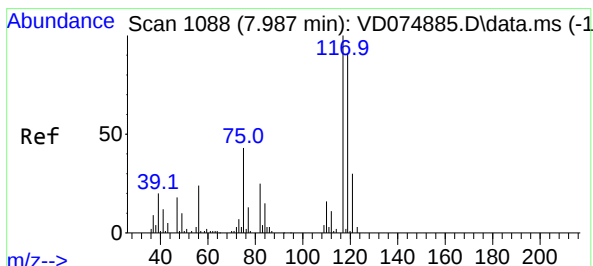
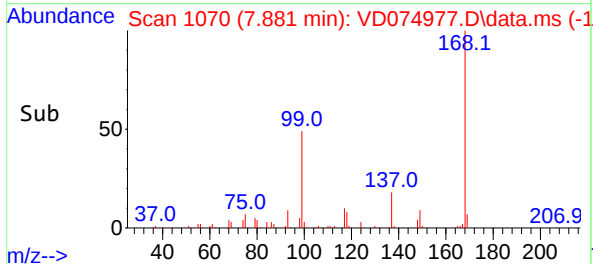
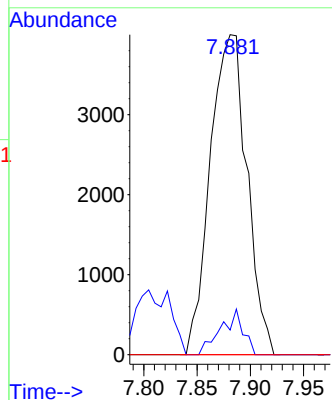
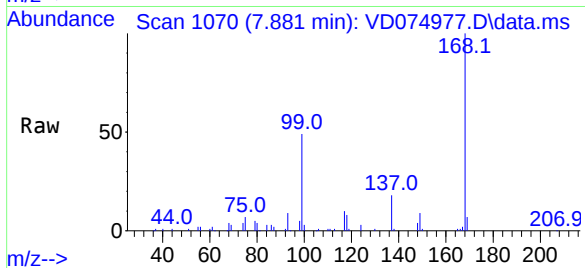
Tgt Ion: 75 Resp: 9597

Ion Ratio Lower Upper

75 100

110 8.7 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.910 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.106 min

Lab File: VD074977.D

Acq: 17 Nov 2022 18:39

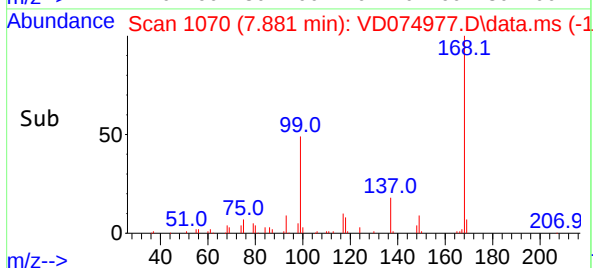
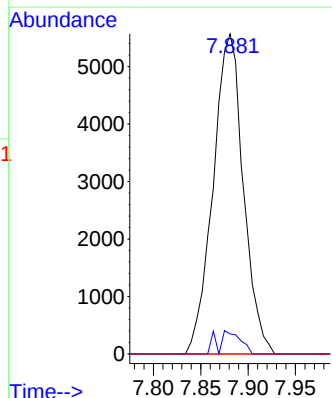
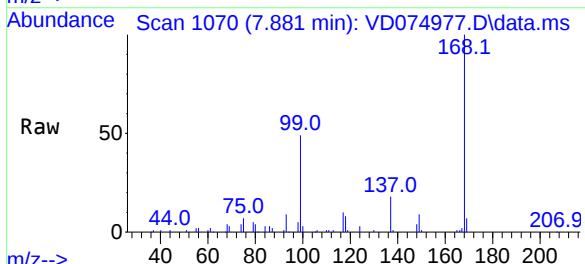
Tgt Ion: 117 Resp: 12380

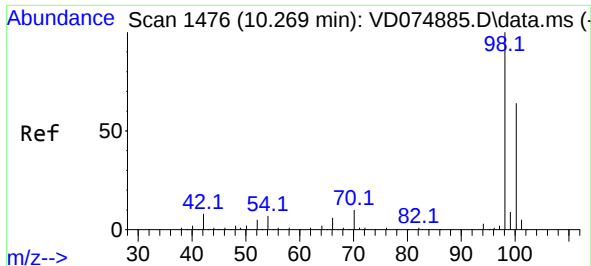
Ion Ratio Lower Upper

117 100

119 6.2 73.1 109.7#

121 0.0 25.0 37.6#

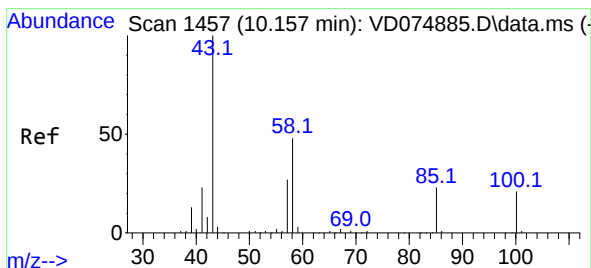
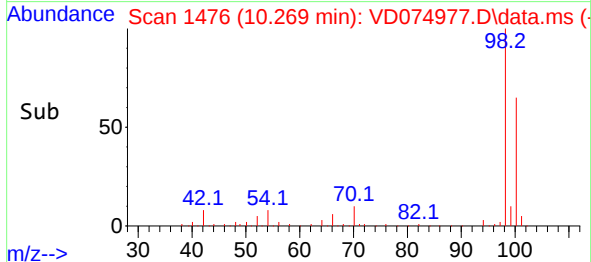
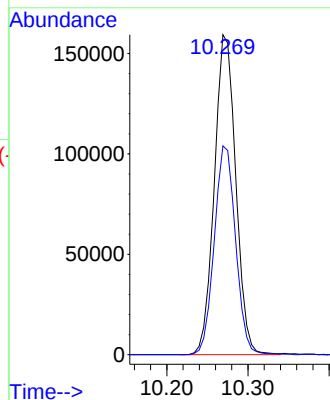
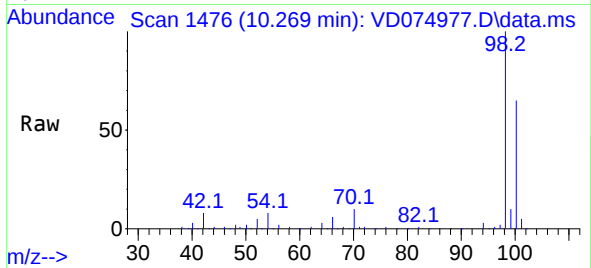




#50
Toluene-d8
Concen: 58.643 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074977.D
Acq: 17 Nov 2022 18:39

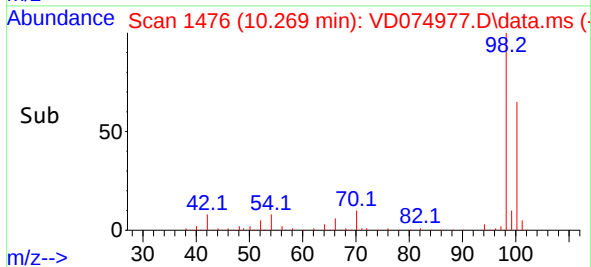
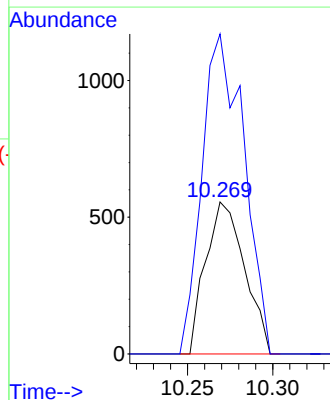
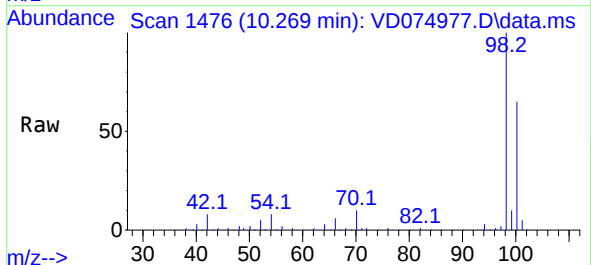
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-02

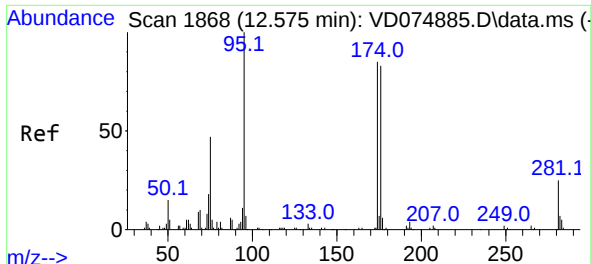
Tgt Ion: 98 Resp: 292512
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.411 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD074977.D
Acq: 17 Nov 2022 18:39

Tgt Ion: 43 Resp: 885
Ion Ratio Lower Upper
43 100
58 226.0 37.8 56.6#

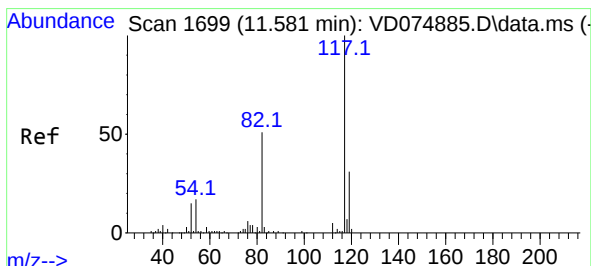
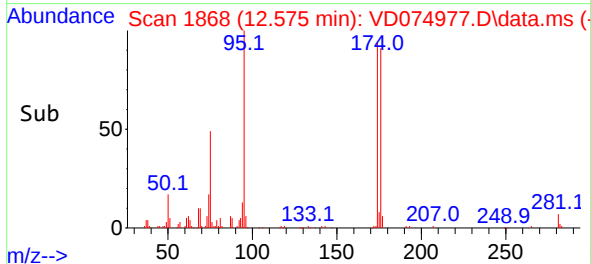
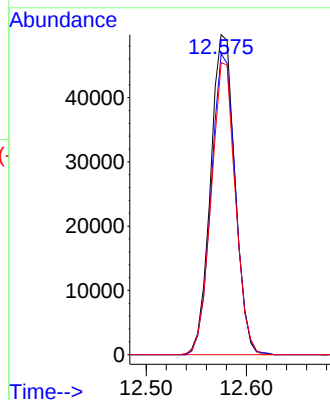
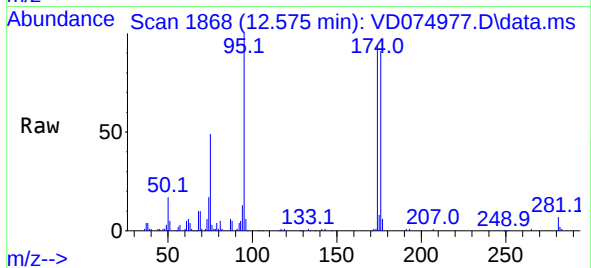




#62
4-Bromofluorobenzene
Concen: 54.682 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074977.D
Acq: 17 Nov 2022 18:39

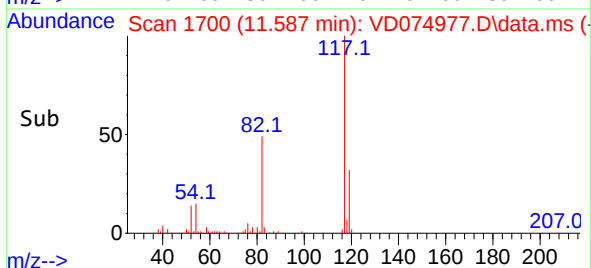
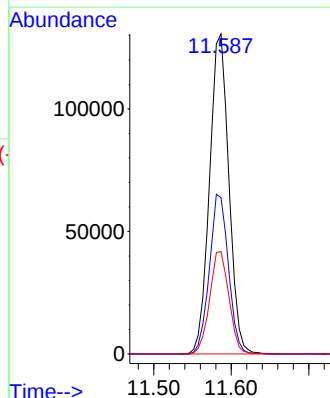
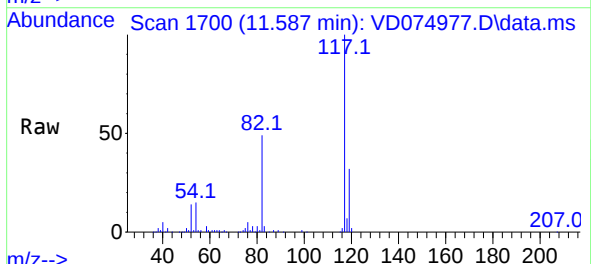
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-02

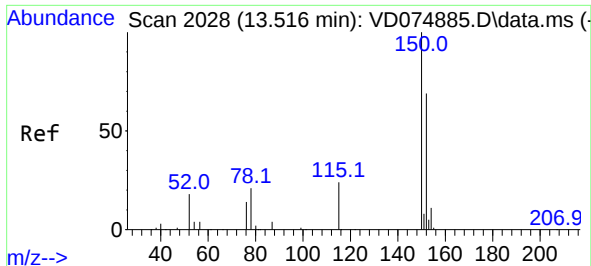
Tgt Ion:	95	Resp:	83755
Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	197.0
176	90.5	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD074977.D
Acq: 17 Nov 2022 18:39

Tgt Ion:	117	Resp:	226177
Ion	Ratio	Lower	Upper
117	100		
82	48.9	41.6	62.4
119	32.0	25.2	37.8

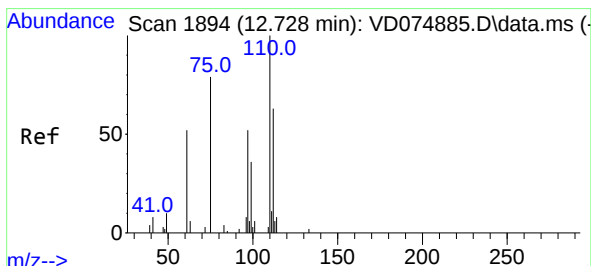
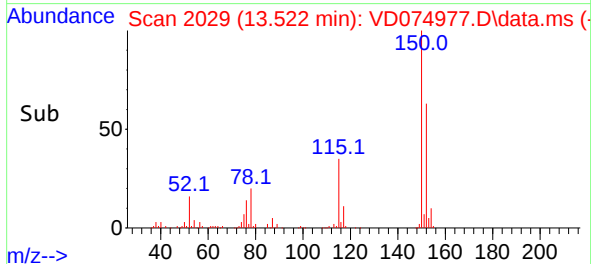
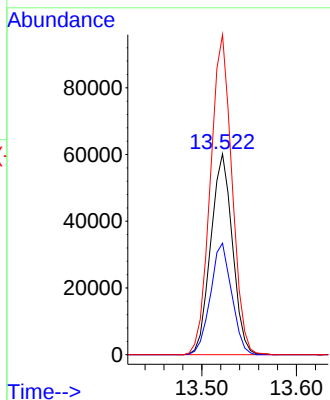
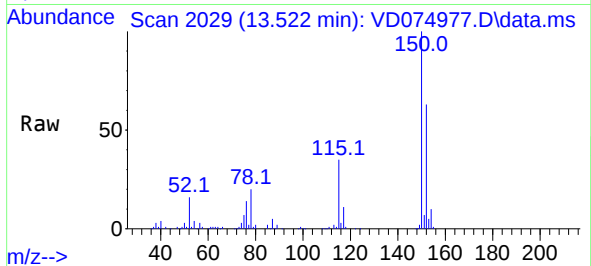




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD074977.D
 Acq: 17 Nov 2022 18:39

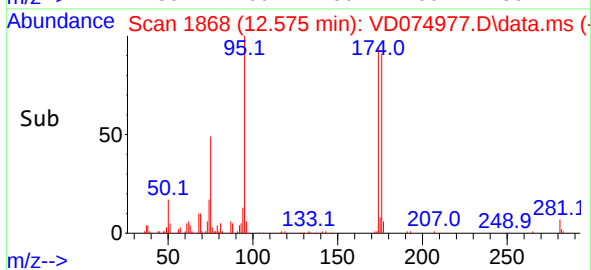
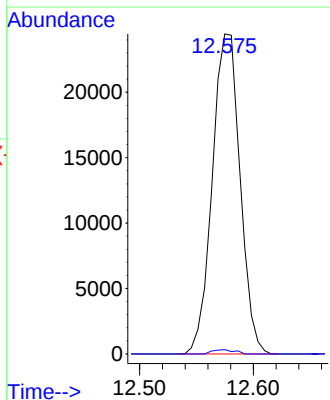
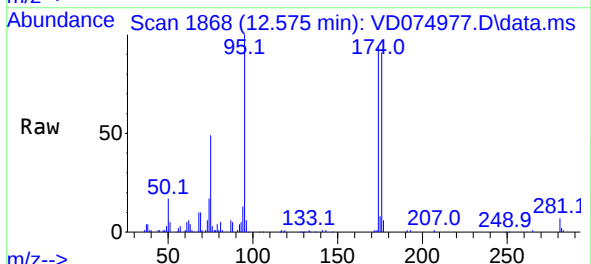
Instrument :
 MSVOA_D
 ClientSampleId :
 250FB-BP-BACKFILL-02

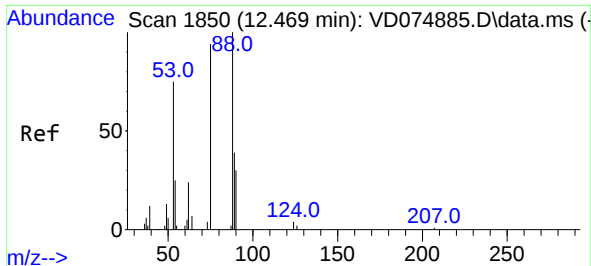
Tgt Ion:152 Resp: 95824
 Ion Ratio Lower Upper
 152 100
 115 54.5 26.8 80.4
 150 158.7 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 51.792 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD074977.D
 Acq: 17 Nov 2022 18:39

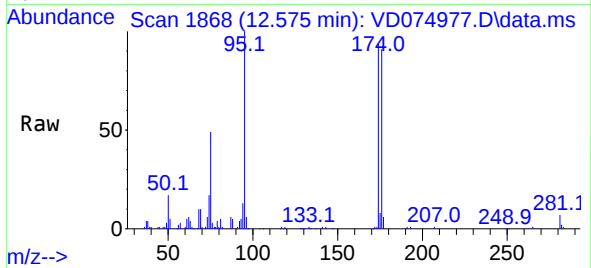
Tgt Ion: 75 Resp: 41510
 Ion Ratio Lower Upper
 75 100
 77 1.1 185.8 557.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 127.410 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD074977.D
Acq: 17 Nov 2022 18:39

Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-02



Tgt Ion: 75 Resp: 41510
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

