

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111722\
 Data File : VD074976.D
 Acq On : 17 Nov 2022 18:11
 Operator : VA/SY
 Sample : N5678-01
 Misc : 6.79G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 250FB-BP-BACKFILL-01

Quant Time: Nov 18 15:06:16 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)

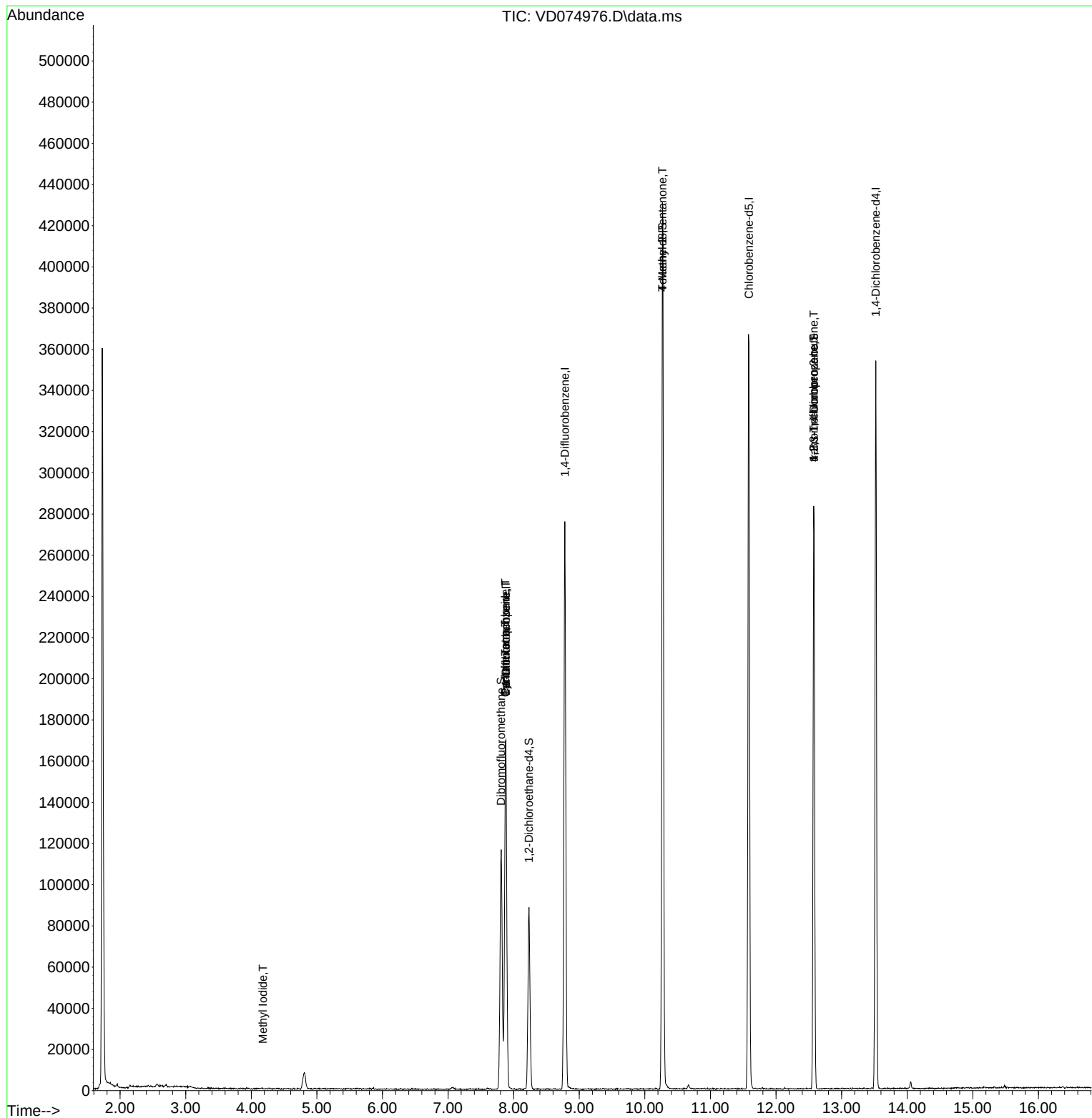
Internal Standards						
1) Pentafluorobenzene	7.881	168	140436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	261718	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	235009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	101182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	66331	73.917	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.840%	
35) Dibromofluoromethane	7.810	113	86637	53.701	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.400%	
50) Toluene-d8	10.269	98	317444	59.734	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 119.460%	
62) 4-Bromofluorobenzene	12.575	95	87625	53.697	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.400%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	64	Below Cal	#	40
3) Chloromethane	2.146	50	575	Below Cal	#	37
5) Bromomethane	2.699	94	804	Below Cal		97
10) Methyl Iodide	4.175	142	197	4.874	ug/l #	43
20) Methylene Chloride	4.811	84	7344	Below Cal		90
31) Cyclohexane	7.875	56	2613	1.276	ug/l #	17
36) 1,1-Dichloropropene	7.881	75	9814	4.139	ug/l #	47
38) Carbon Tetrachloride	7.875	117	13781	6.175	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	820	1.227	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	42972	50.777	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	42972	124.913	ug/l #	17

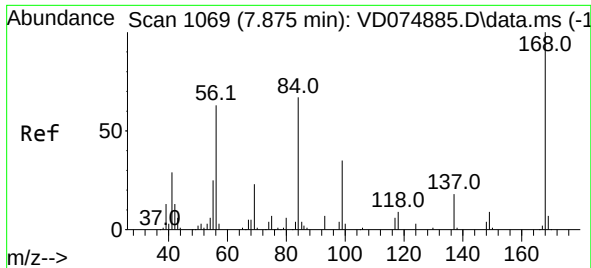
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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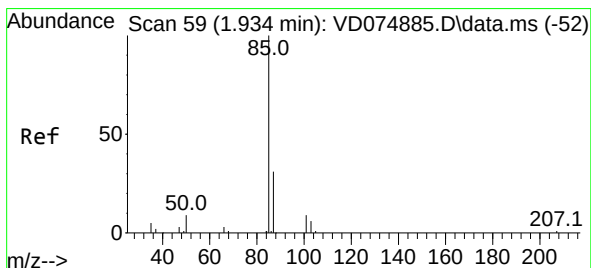
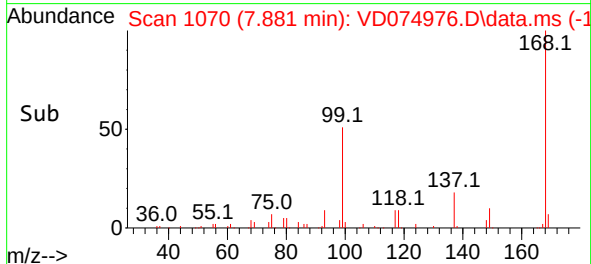
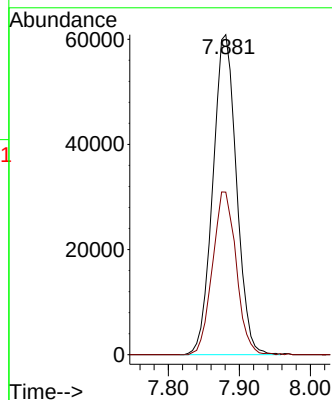
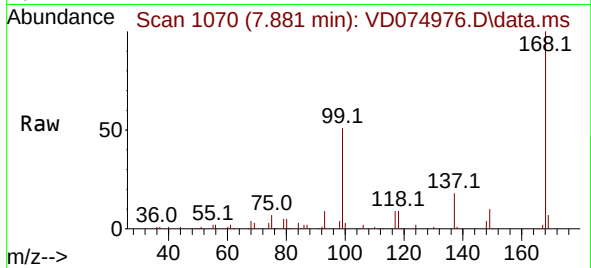




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD074976.D
Acq: 17 Nov 2022 18:11

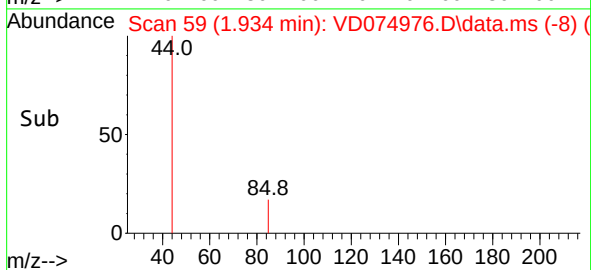
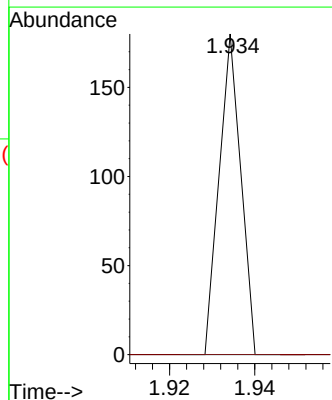
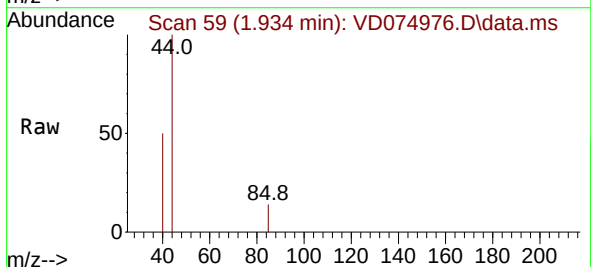
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-01

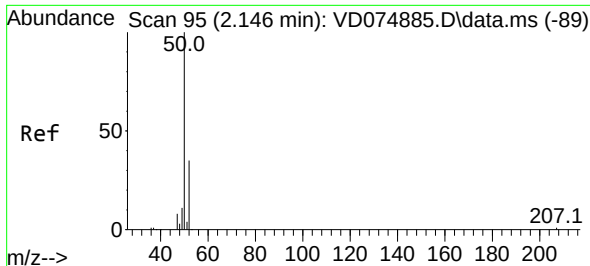
Tgt Ion:168 Resp: 140436
Ion Ratio Lower Upper
168 100
99 50.8 40.9 61.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD074976.D
Acq: 17 Nov 2022 18:11

Tgt Ion: 85 Resp: 64
Ion Ratio Lower Upper
85 100
87 0.0 17.5 52.6#

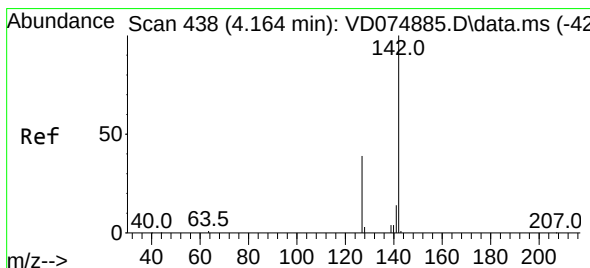
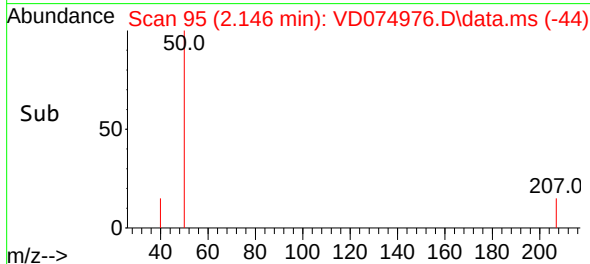
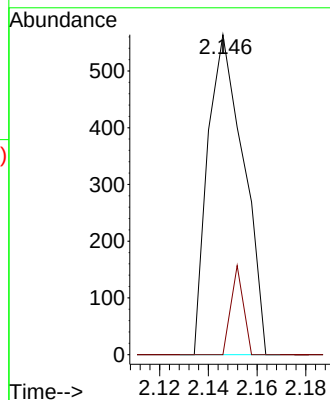
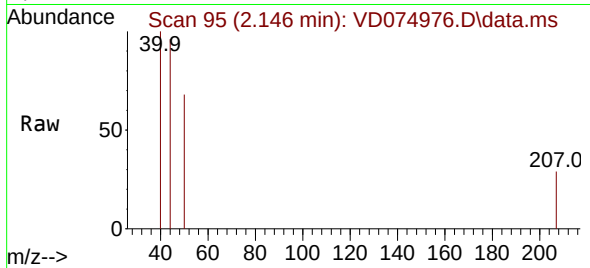




#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD074976.D
Acq: 17 Nov 2022 18:11

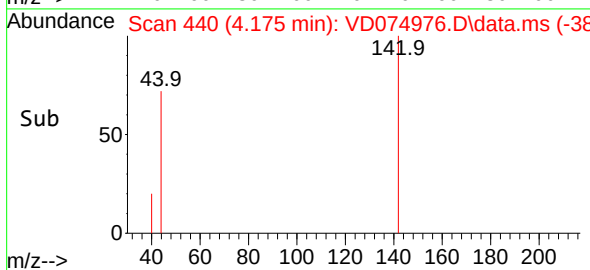
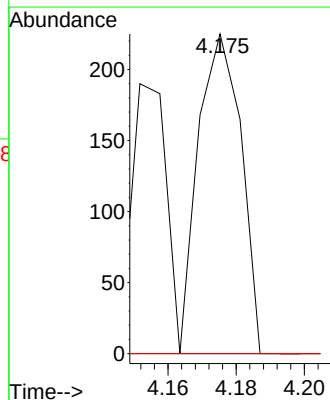
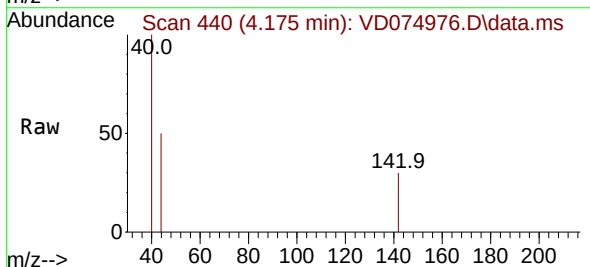
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-01

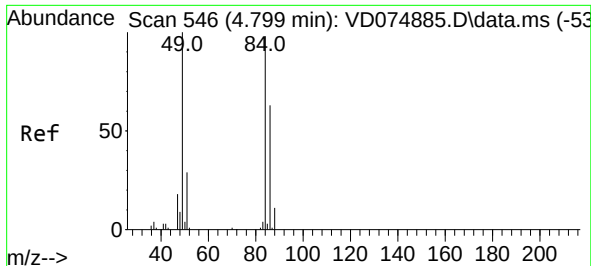
Tgt Ion: 50 Resp: 575
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#



#10
Methyl Iodide
Concen: 4.874 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.011 min
Lab File: VD074976.D
Acq: 17 Nov 2022 18:11

Tgt Ion: 142 Resp: 197
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

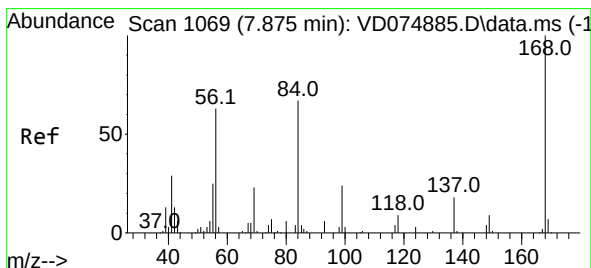
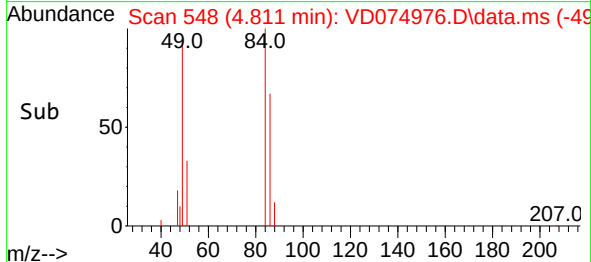
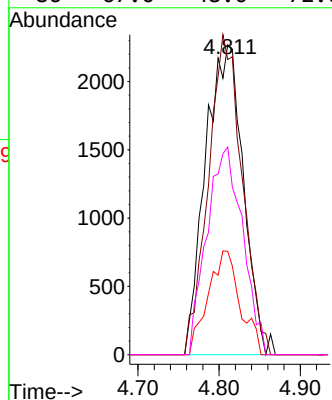
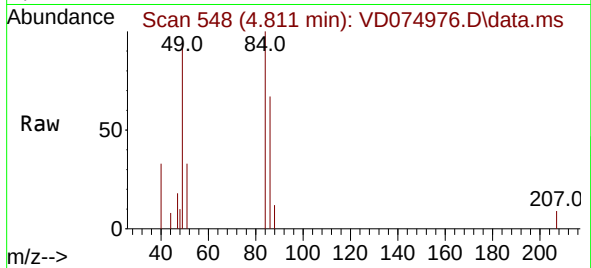




#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 546
Delta R.T. 0.011 min
Lab File: VD074976.D
Acq: 17 Nov 2022 18:11

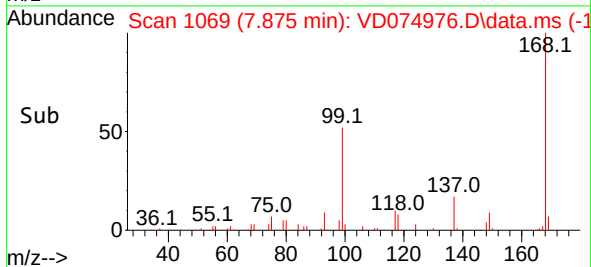
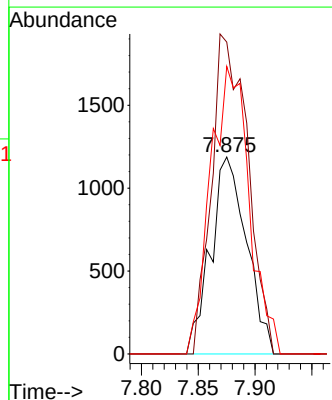
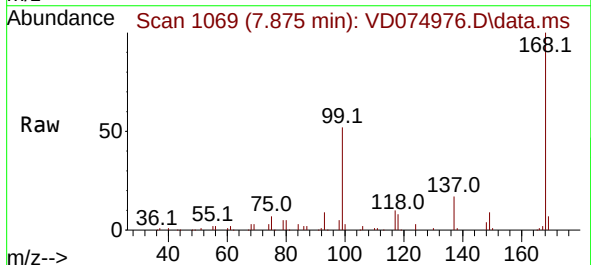
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-01

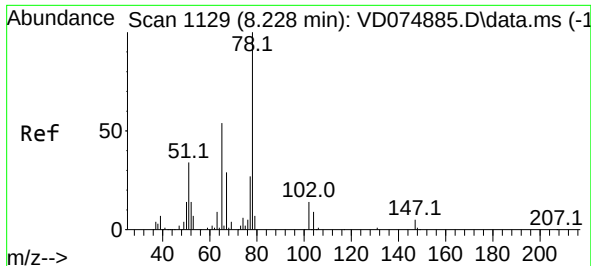
Tgt Ion:	84	Resp:	7344
Ion	Ratio	Lower	Upper
84	100		
49	95.3	68.0	102.0
51	33.4	23.2	34.8
86	67.0	48.0	72.0



#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074976.D
Acq: 17 Nov 2022 18:11

Tgt Ion:	56	Resp:	2613
Ion	Ratio	Lower	Upper
56	100		
69	158.3	29.2	43.8#
84	146.0	83.4	125.2#





#33

1,2-Dichloroethane-d4

Concen: 73.917 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD074976.D

Acq: 17 Nov 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

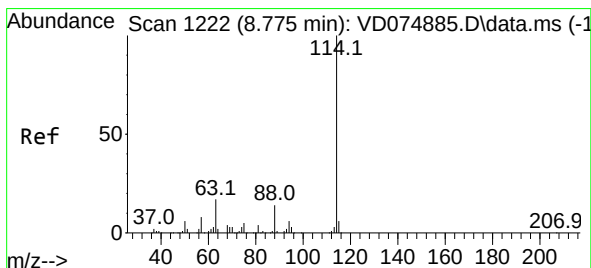
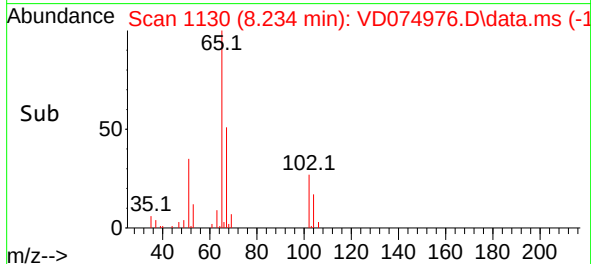
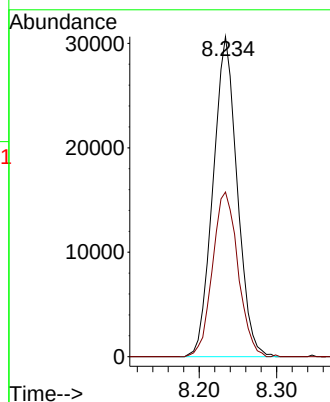
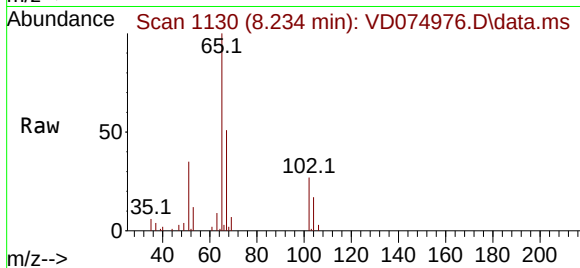
250FB-BP-BACKFILL-01

Tgt Ion: 65 Resp: 66331

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# 1223

Delta R.T. 0.006 min

Lab File: VD074976.D

Acq: 17 Nov 2022 18:11

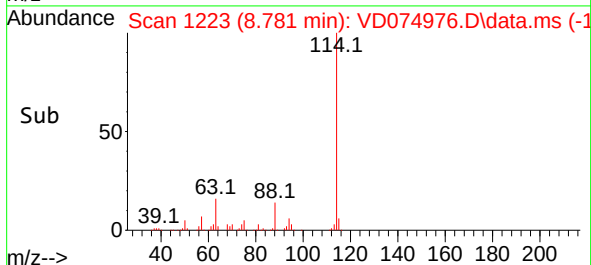
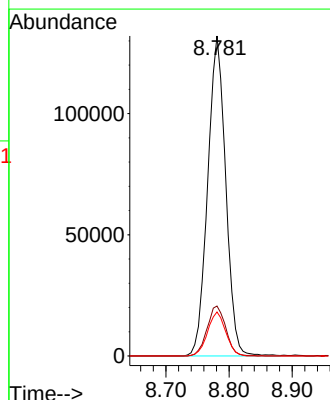
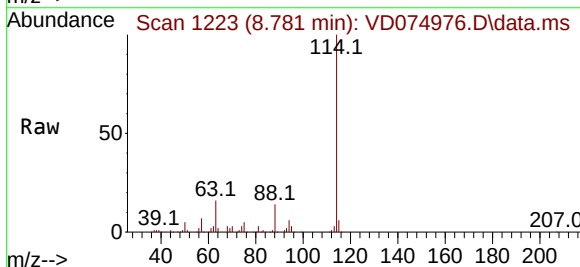
Tgt Ion: 114 Resp: 261718

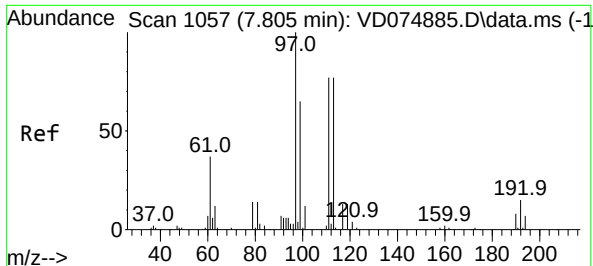
Ion Ratio Lower Upper

114 100

63 15.6 0.0 33.2

88 13.8 0.0 28.2





#35

Dibromofluoromethane

Concen: 53.701 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074976.D

Acq: 17 Nov 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

250FB-BP-BACKFILL-01

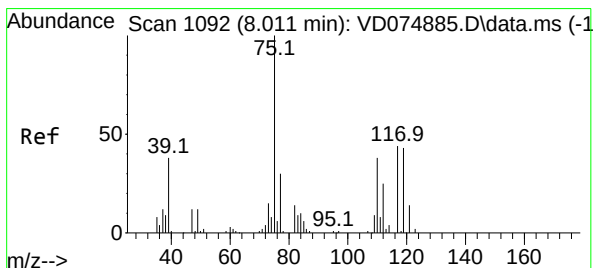
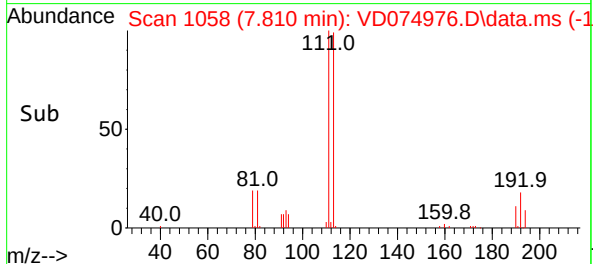
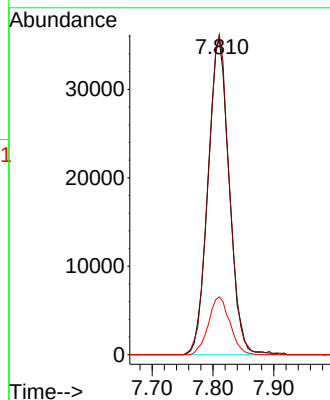
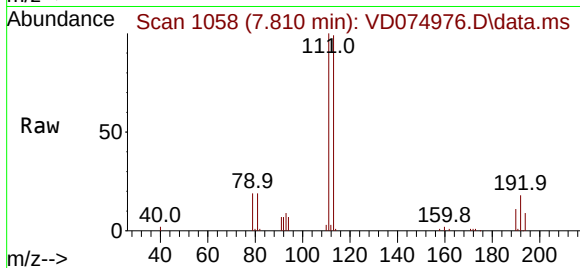
Tgt Ion:113 Resp: 86637

Ion Ratio Lower Upper

113 100

111 100.5 82.3 123.5

192 18.4 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.139 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD074976.D

Acq: 17 Nov 2022 18:11

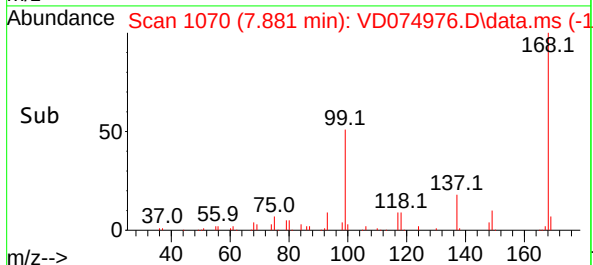
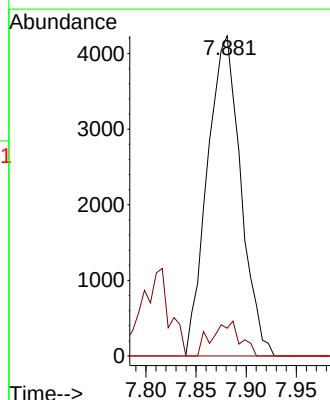
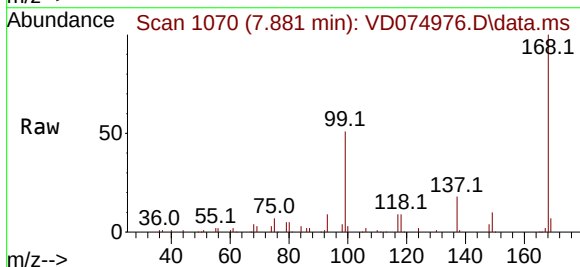
Tgt Ion: 75 Resp: 9814

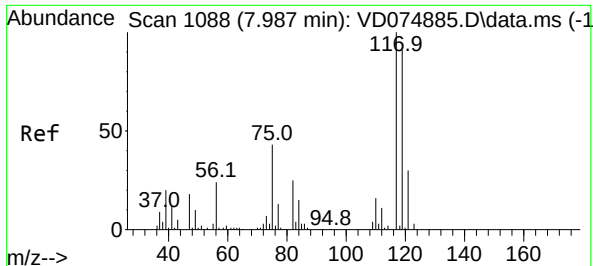
Ion Ratio Lower Upper

75 100

110 9.2 19.7 59.0#

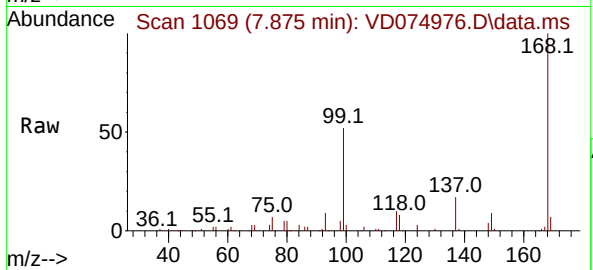
77 0.0 25.4 38.2#



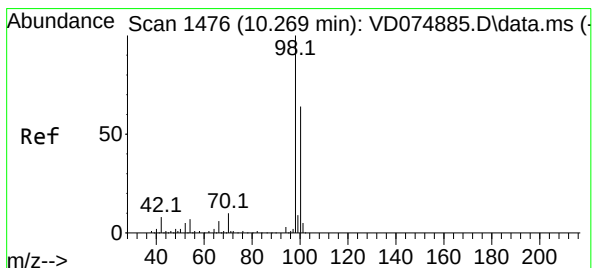
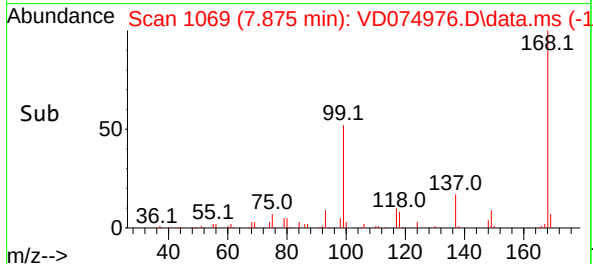
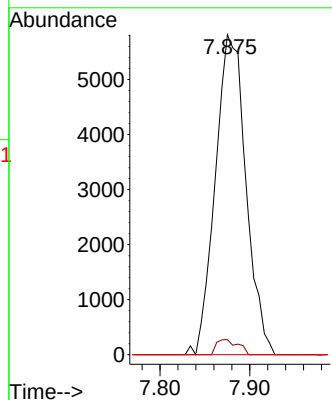


#38
Carbon Tetrachloride
Concen: 6.175 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD074976.D
Acq: 17 Nov 2022 18:11

Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-01

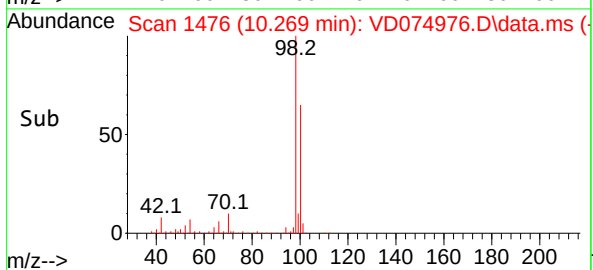
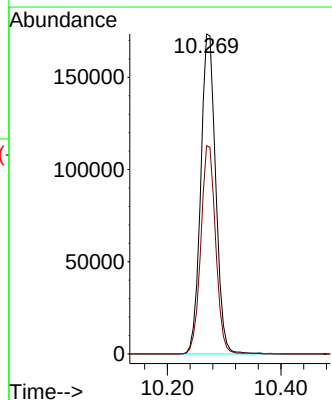
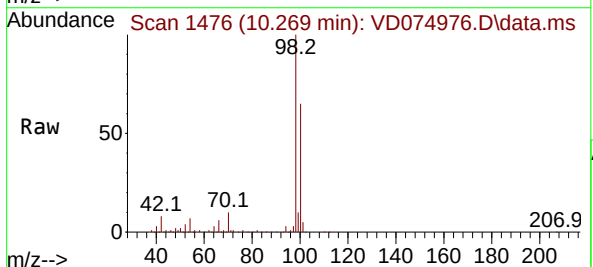


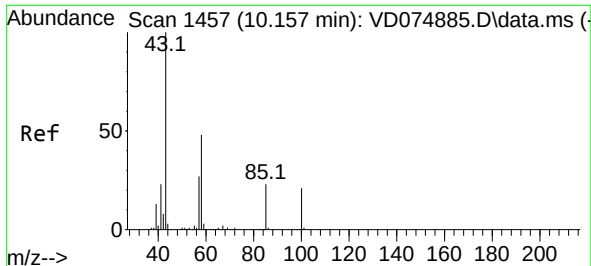
Tgt Ion:117 Resp: 13781
Ion Ratio Lower Upper
117 100
119 4.7 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 59.734 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074976.D
Acq: 17 Nov 2022 18:11

Tgt Ion: 98 Resp: 317444
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.227 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD074976.D

Acq: 17 Nov 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

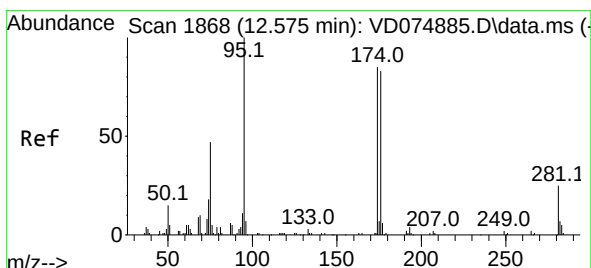
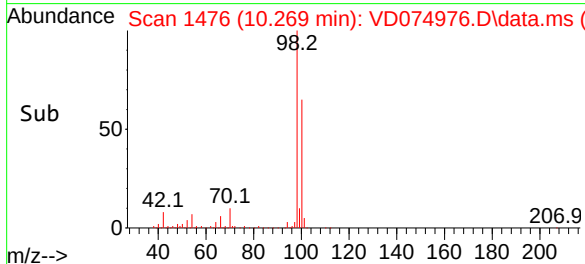
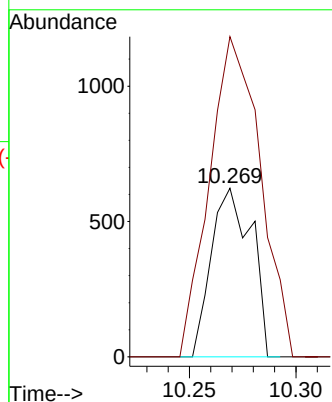
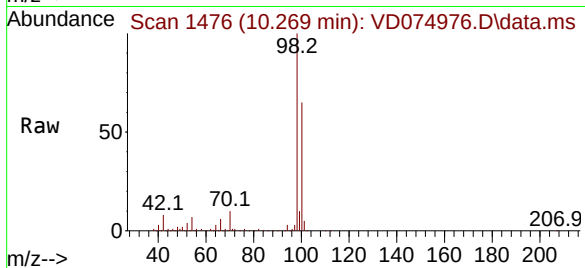
250FB-BP-BACKFILL-01

Tgt Ion: 43 Resp: 820

Ion Ratio Lower Upper

43 100

58 239.6 37.8 56.6#



#62

4-Bromofluorobenzene

Concen: 53.697 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD074976.D

Acq: 17 Nov 2022 18:11

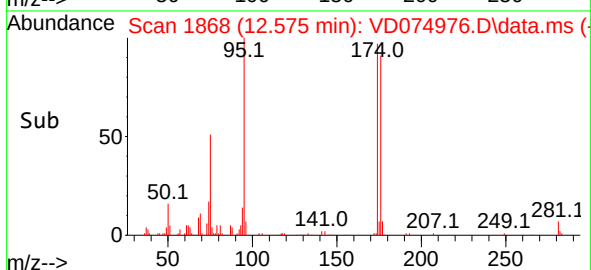
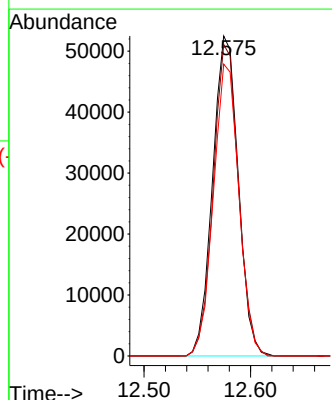
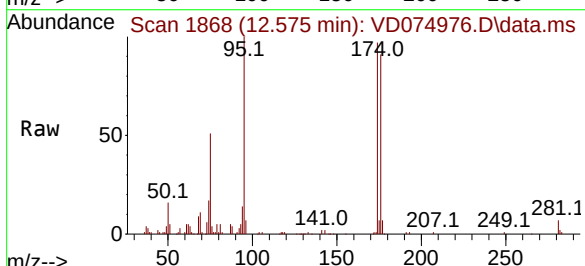
Tgt Ion: 95 Resp: 87625

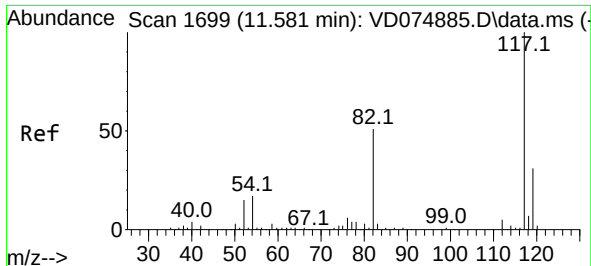
Ion Ratio Lower Upper

95 100

174 95.4 0.0 197.0

176 90.8 0.0 182.6

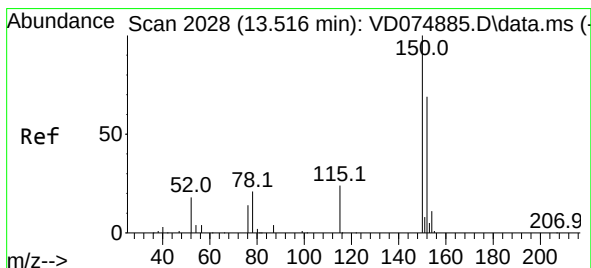
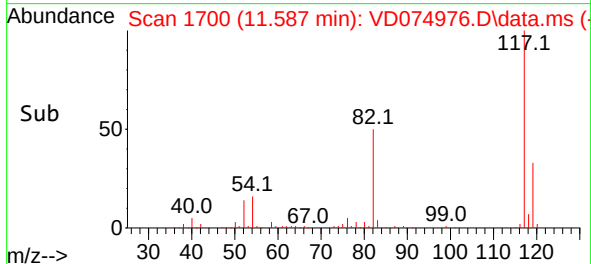
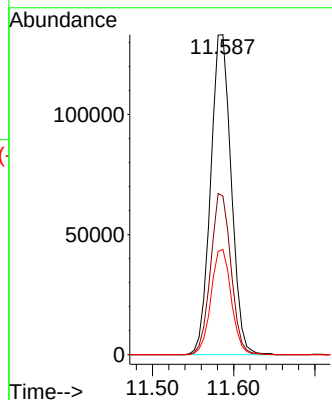
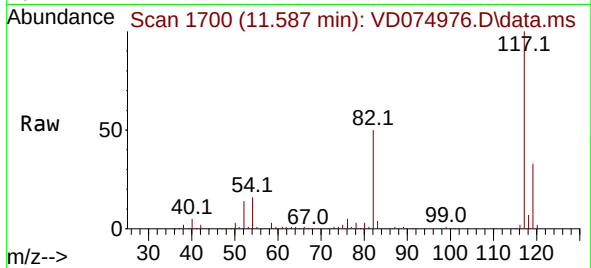




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074976.D
Acq: 17 Nov 2022 18:11

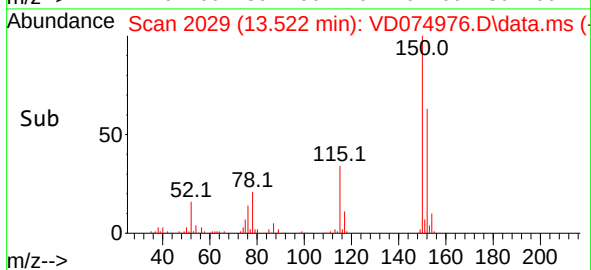
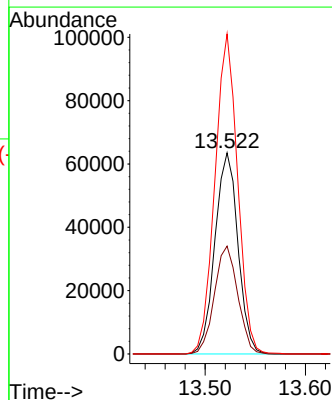
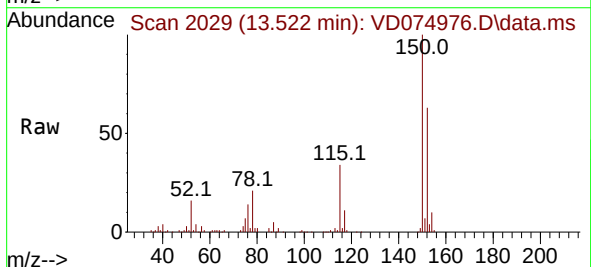
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-01

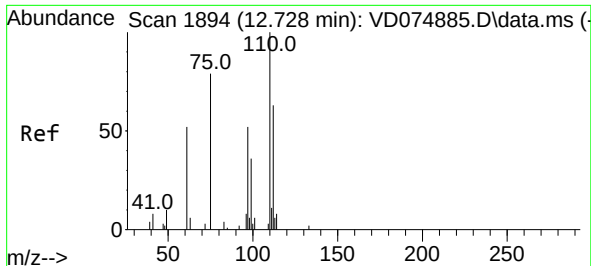
Tgt Ion:117 Resp: 235009
Ion Ratio Lower Upper
117 100
82 49.6 41.6 62.4
119 32.9 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074976.D
Acq: 17 Nov 2022 18:11

Tgt Ion:152 Resp: 101182
Ion Ratio Lower Upper
152 100
115 54.4 26.8 80.4
150 156.7 0.0 348.2

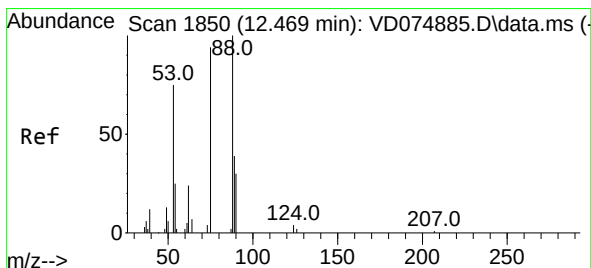
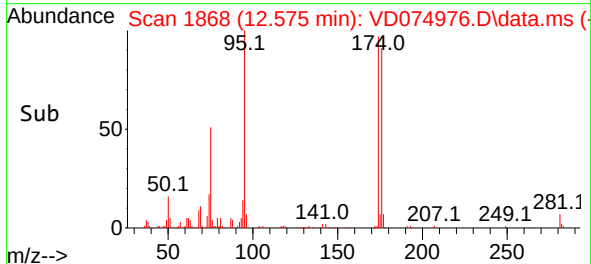
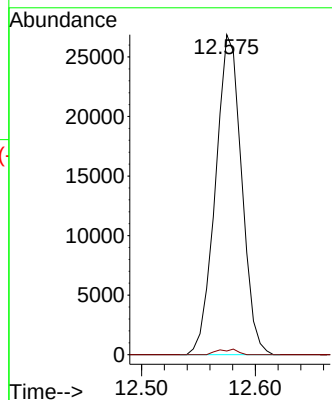
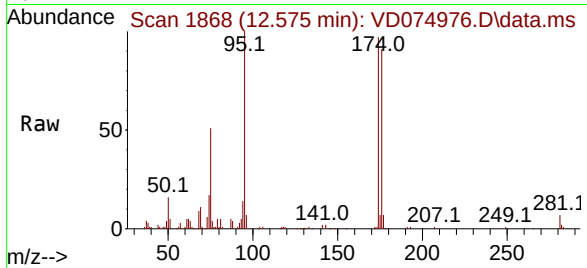




#76
1,2,3-Trichloropropane
Concen: 50.777 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074976.D
Acq: 17 Nov 2022 18:11

Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-01

Tgt Ion: 75 Resp: 42972
Ion Ratio Lower Upper
75 100
77 1.3 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.913 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074976.D
Acq: 17 Nov 2022 18:11

Tgt Ion: 75 Resp: 42972
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

