

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111722\
 Data File : VD074981.D
 Acq On : 17 Nov 2022 20:28
 Operator : VA/SY
 Sample : N5678-11
 Misc : 7.34G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 250FB-BP-BACKFILL-06

Quant Time: Nov 17 22:37:52 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

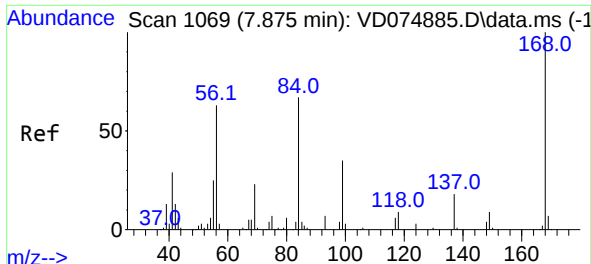
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.881	168	124592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	232834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	211403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	89935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	65273	82.722	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 165.440%#	
35) Dibromofluoromethane	7.811	113	82633	57.574	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.140%	
50) Toluene-d8	10.269	98	297246	62.872	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 125.740%	
62) 4-Bromofluorobenzene	12.575	95	83987	57.852	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	308	Below Cal	#	64
5) Bromomethane	2.705	94	477	Below Cal	#	48
10) Methyl Iodide	4.181	142	54	4.801	ug/l #	43
16) Acetone	4.022	43	1394	6.778	ug/l #	86
20) Methylene Chloride	4.805	84	5505	Below Cal		92
31) Cyclohexane	7.875	56	2218	1.221	ug/l #	12
36) 1,1-Dichloropropene	7.881	75	9033	4.282	ug/l #	45
38) Carbon Tetrachloride	7.875	117	12146	6.117	ug/l #	17
51) 4-Methyl-2-Pentanone	10.275	43	956	1.609	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	40465	53.794	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	40465	132.336	ug/l #	17

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

Quant Time: Nov 17 22:37:52 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

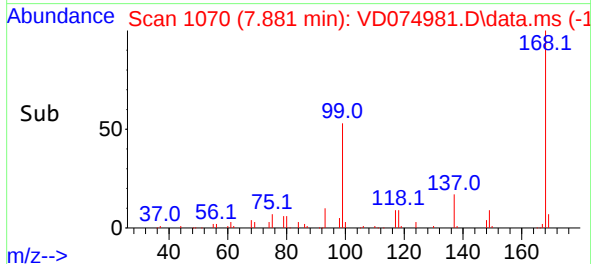
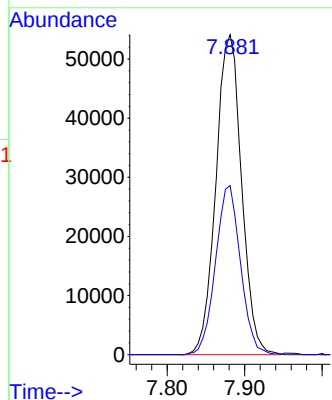
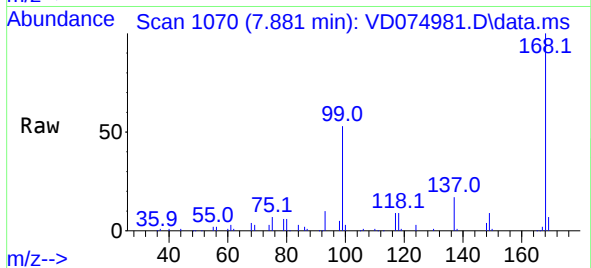




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074981.D
Acq: 17 Nov 2022 20:28

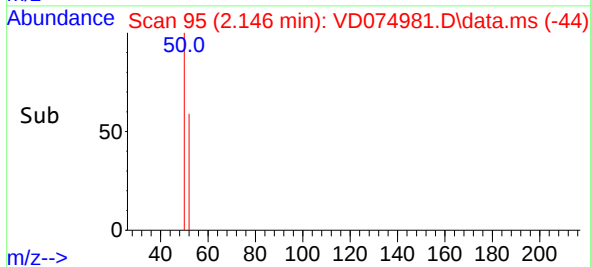
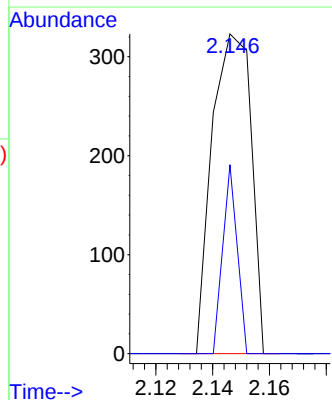
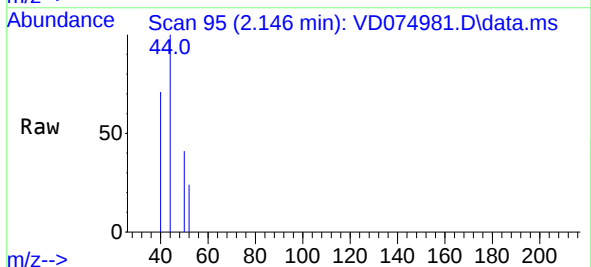
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-06

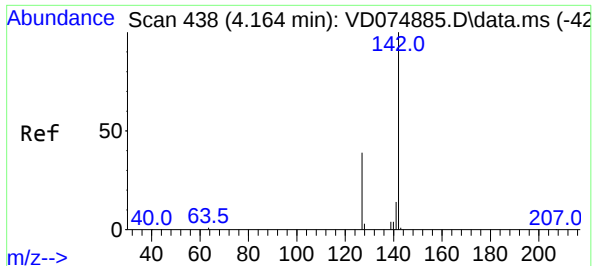
Tgt Ion:168 Resp: 124592
Ion Ratio Lower Upper
168 100
99 52.9 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD074981.D
Acq: 17 Nov 2022 20:28

Tgt Ion: 50 Resp: 308
Ion Ratio Lower Upper
50 100
52 59.1 30.0 45.0#

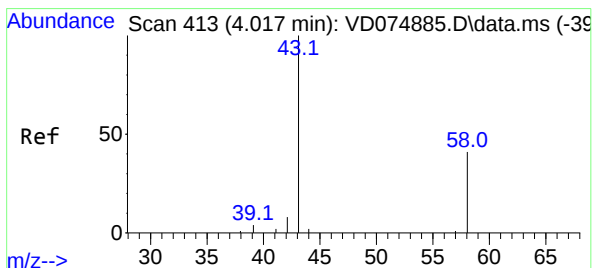
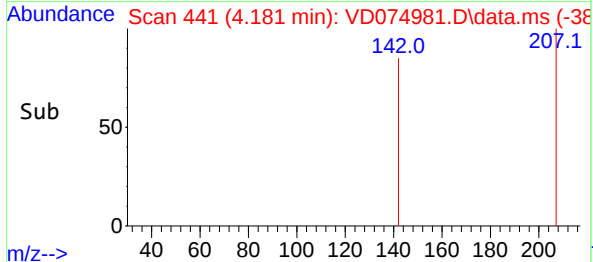
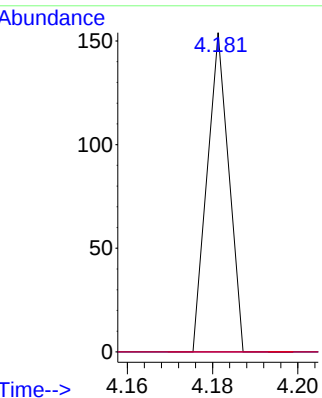
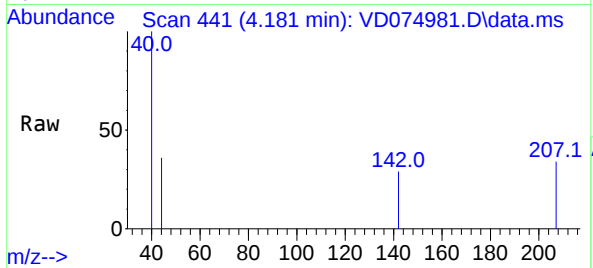




#10
Methyl Iodide
Concen: 4.801 ug/l
RT: 4.181 min Scan# 41
Delta R.T. 0.017 min
Lab File: VD074981.D
Acq: 17 Nov 2022 20:28

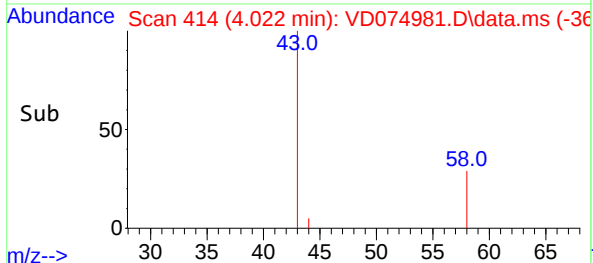
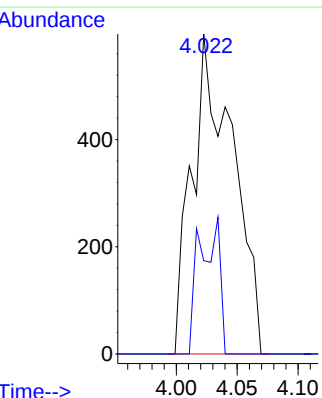
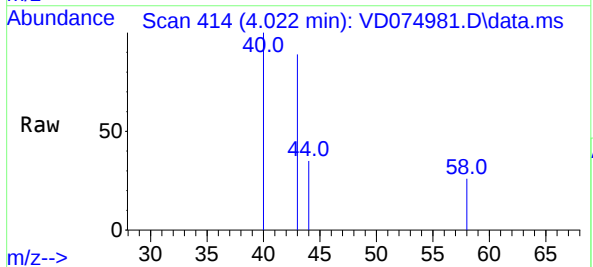
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-06

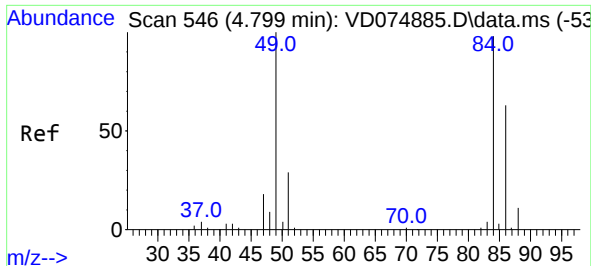
Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#16
Acetone
Concen: 6.778 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD074981.D
Acq: 17 Nov 2022 20:28

Tgt Ion: 43 Resp: 1394
Ion Ratio Lower Upper
43 100
58 29.1 30.2 45.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 54

Delta R.T. 0.006 min

Lab File: VD074981.D

Acq: 17 Nov 2022 20:28

Instrument :

MSVOA_D

ClientSampleId :

250FB-BP-BACKFILL-06

Tgt Ion: 84 Resp: 5505

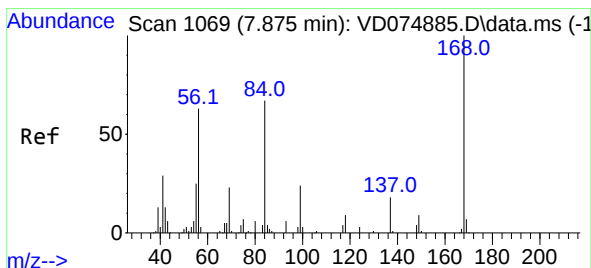
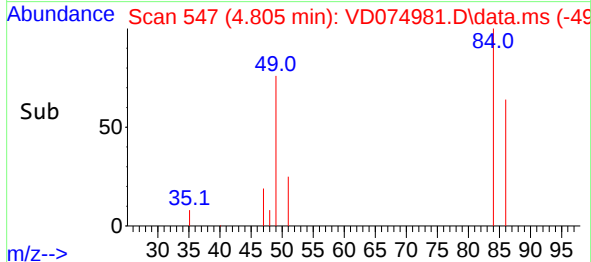
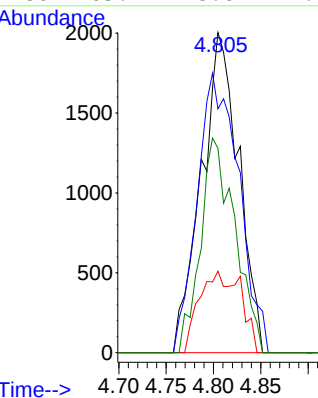
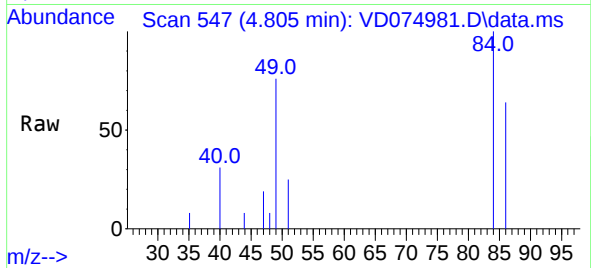
Ion Ratio Lower Upper

84 100

49 76.2 68.0 102.0

51 25.5 23.2 34.8

86 63.9 48.0 72.0



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD074981.D

Acq: 17 Nov 2022 20:28

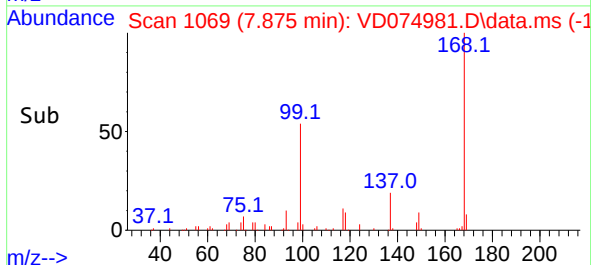
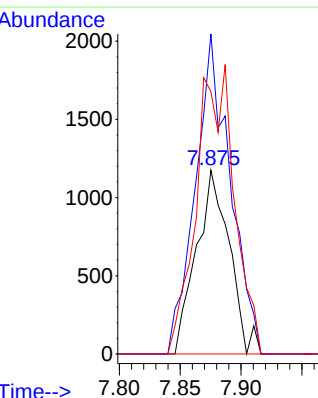
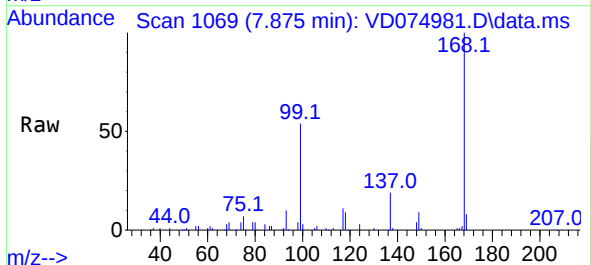
Tgt Ion: 56 Resp: 2218

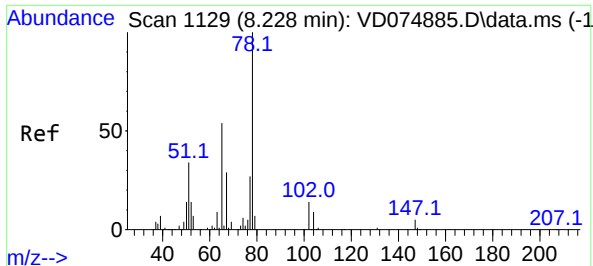
Ion Ratio Lower Upper

56 100

69 174.1 29.2 43.8#

84 142.7 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 82.722 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD074981.D

Acq: 17 Nov 2022 20:28

Instrument :

MSVOA_D

ClientSampleId :

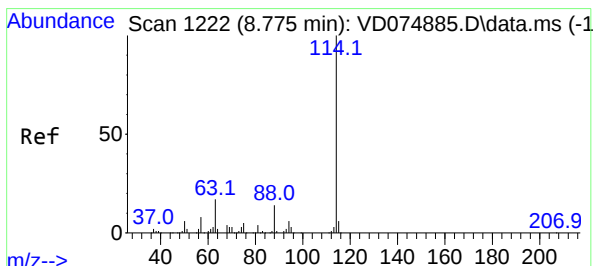
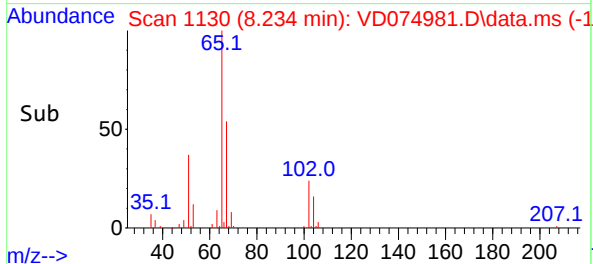
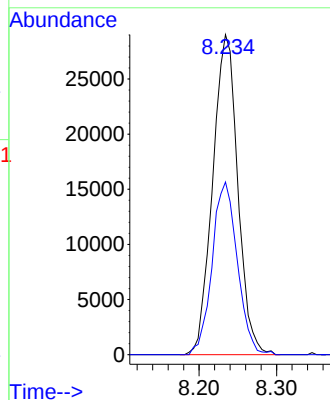
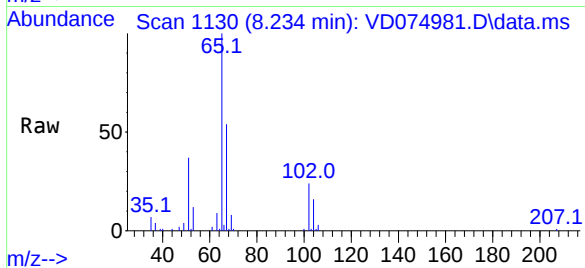
250FB-BP-BACKFILL-06

Tgt Ion: 65 Resp: 65273

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: VD074981.D

Acq: 17 Nov 2022 20:28

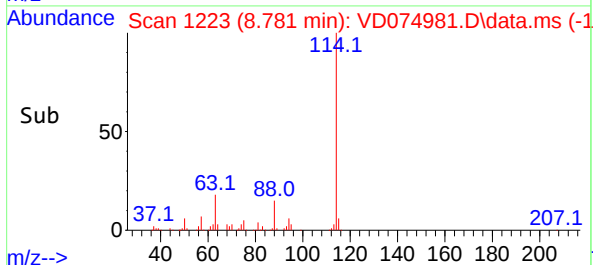
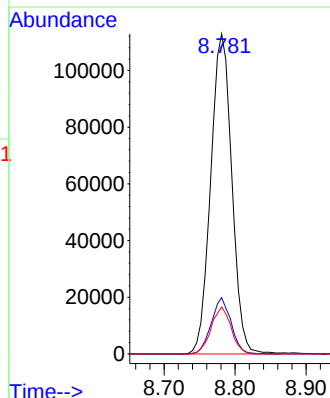
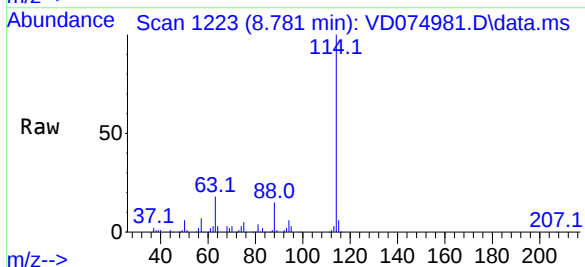
Tgt Ion: 114 Resp: 232834

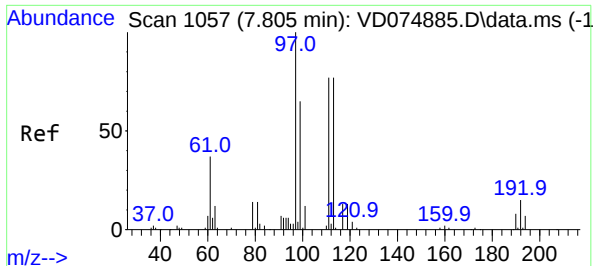
Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.2

88 14.7 0.0 28.2





#35

Dibromofluoromethane

Concen: 57.574 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD074981.D

Acq: 17 Nov 2022 20:28

Instrument :

MSVOA_D

ClientSampleId :

250FB-BP-BACKFILL-06

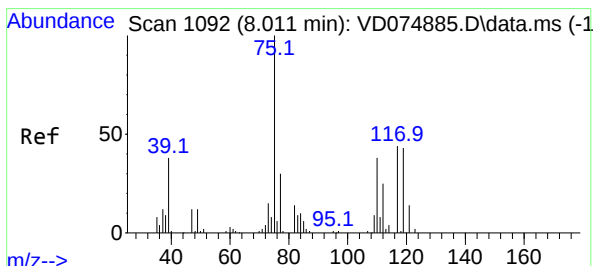
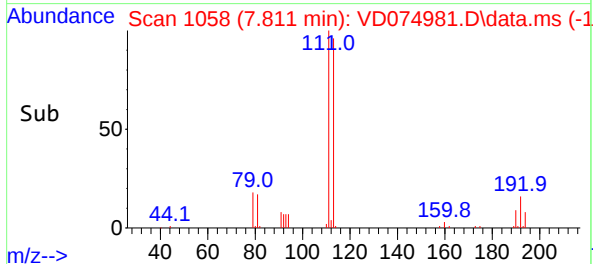
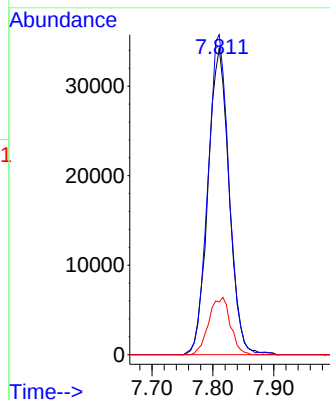
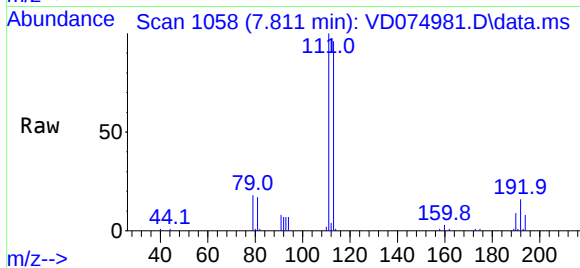
Tgt Ion:113 Resp: 82633

Ion Ratio Lower Upper

113 100

111 103.4 82.3 123.5

192 19.1 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.282 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD074981.D

Acq: 17 Nov 2022 20:28

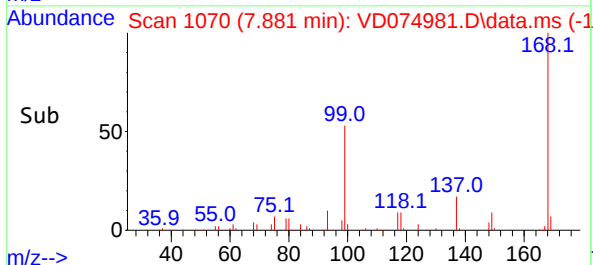
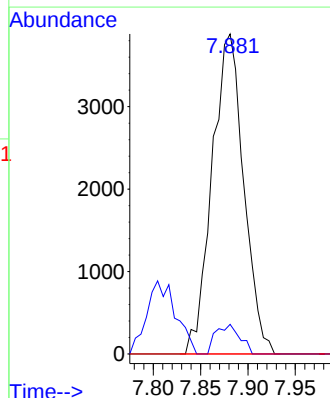
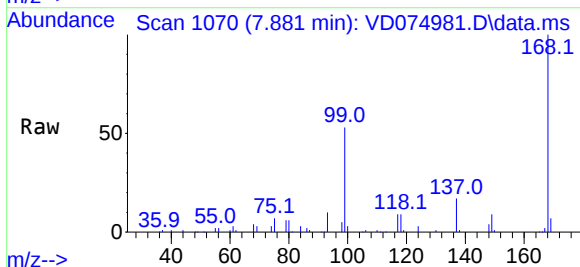
Tgt Ion: 75 Resp: 9033

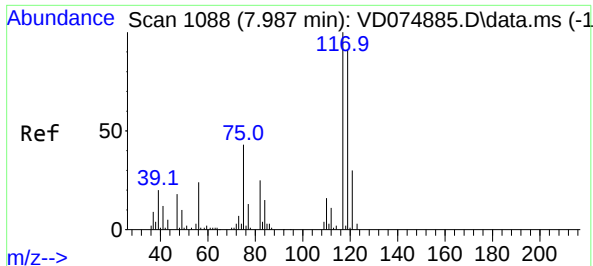
Ion Ratio Lower Upper

75 100

110 7.0 19.7 59.0#

77 0.0 25.4 38.2#

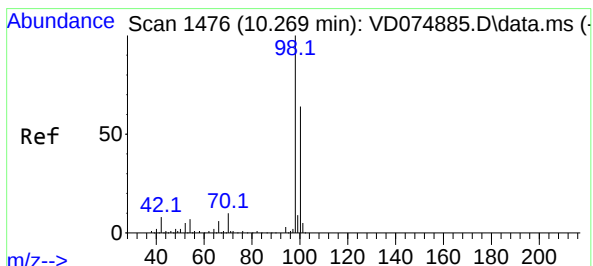
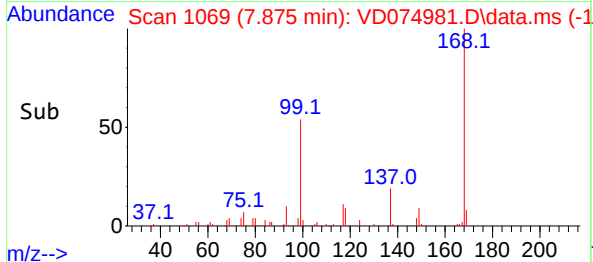
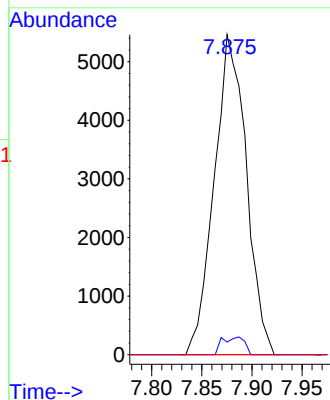
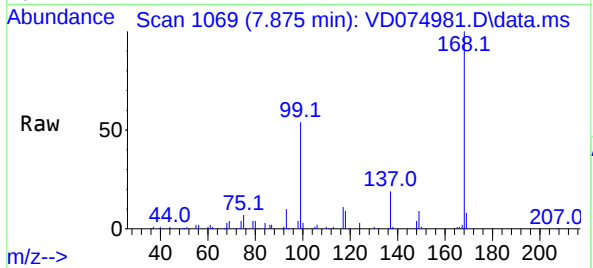




#38
Carbon Tetrachloride
Concen: 6.117 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD074981.D
Acq: 17 Nov 2022 20:28

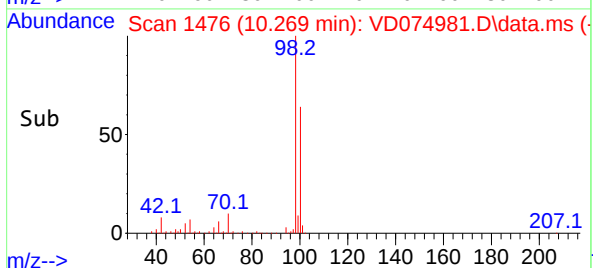
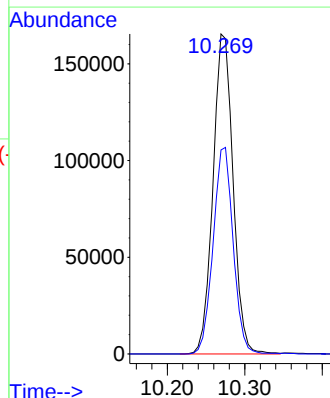
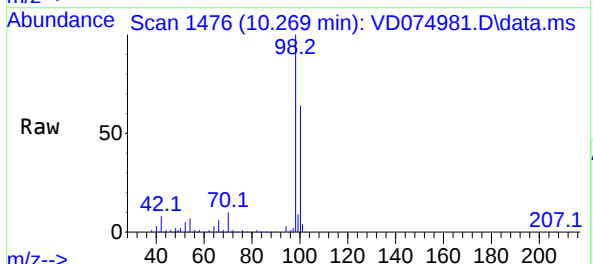
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-06

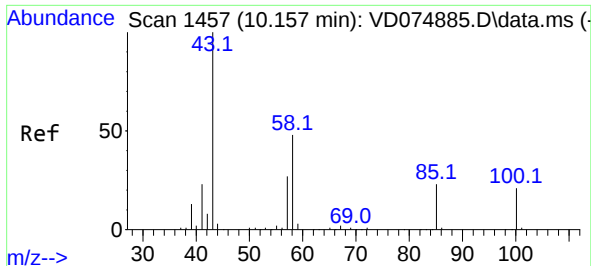
Tgt Ion:117 Resp: 12146
Ion Ratio Lower Upper
117 100
119 4.0 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 62.872 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074981.D
Acq: 17 Nov 2022 20:28

Tgt Ion: 98 Resp: 297246
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.609 ug/l

RT: 10.275 min Scan# 1457

Delta R.T. 0.118 min

Lab File: VD074981.D

Acq: 17 Nov 2022 20:28

Instrument :

MSVOA_D

ClientSampleId :

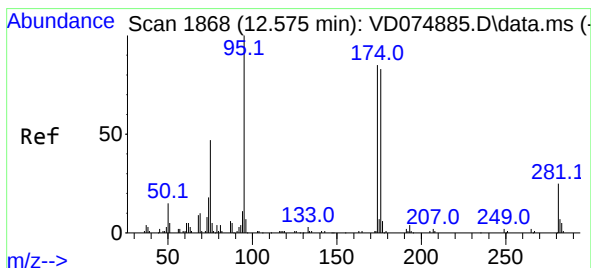
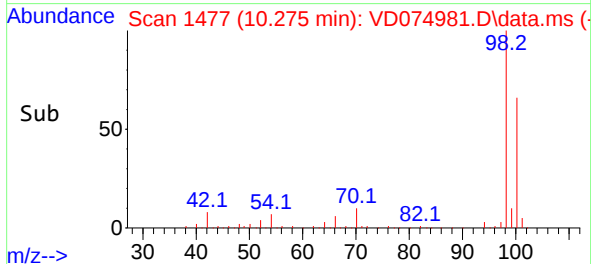
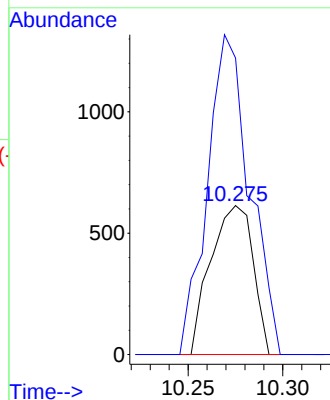
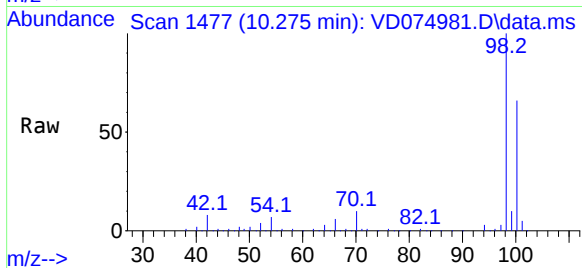
250FB-BP-BACKFILL-06

Tgt Ion: 43 Resp: 956

Ion Ratio Lower Upper

43 100

58 214.3 37.8 56.6#



#62

4-Bromofluorobenzene

Concen: 57.852 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD074981.D

Acq: 17 Nov 2022 20:28

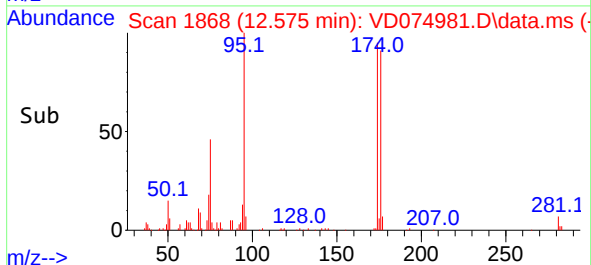
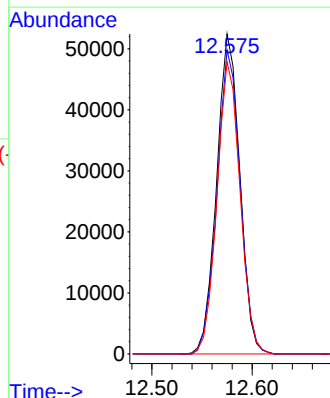
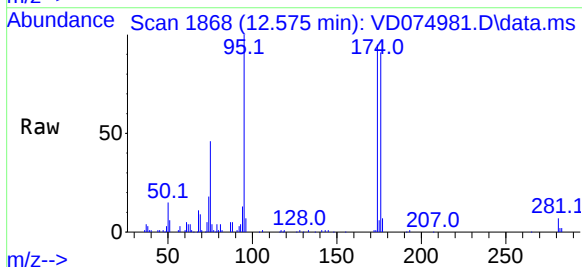
Tgt Ion: 95 Resp: 83987

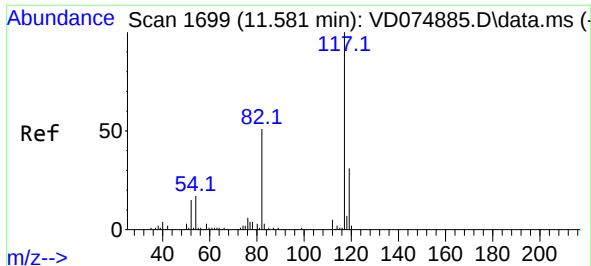
Ion Ratio Lower Upper

95 100

174 95.1 0.0 197.0

176 90.6 0.0 182.6

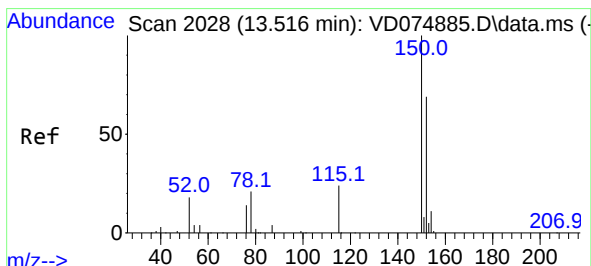
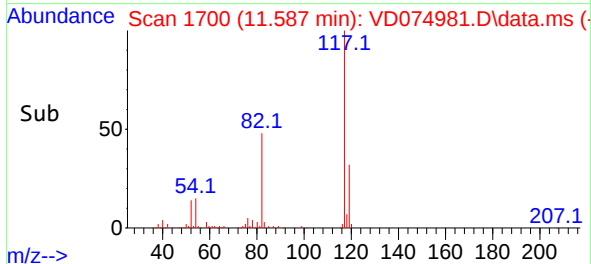
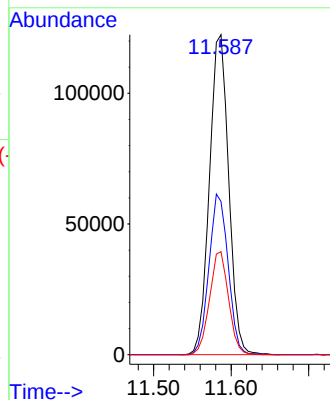
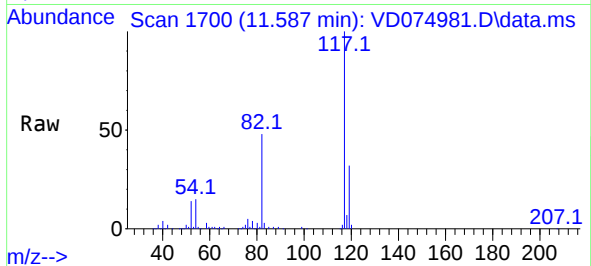




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VD074981.D
Acq: 17 Nov 2022 20:28

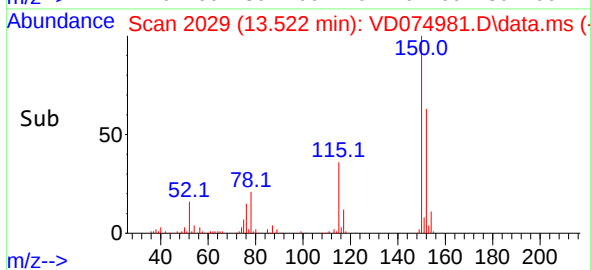
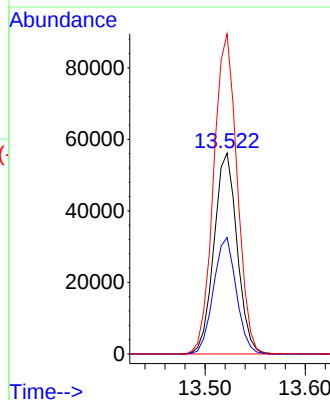
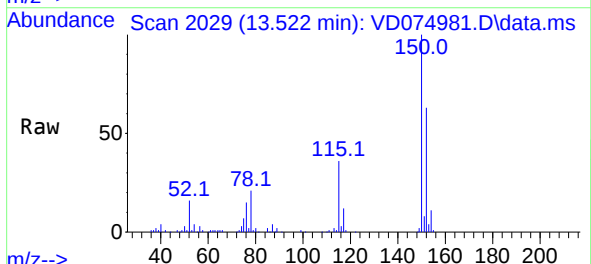
Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-06

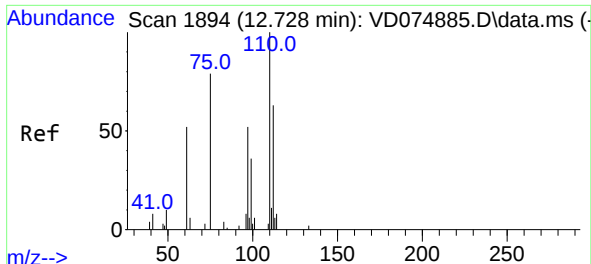
Tgt Ion:	117	Resp:	211403
Ion	Ratio	Lower	Upper
117	100		
82	47.9	41.6	62.4
119	32.2	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074981.D
Acq: 17 Nov 2022 20:28

Tgt Ion:	152	Resp:	89935
Ion	Ratio	Lower	Upper
152	100		
115	57.3	26.8	80.4
150	161.9	0.0	348.2

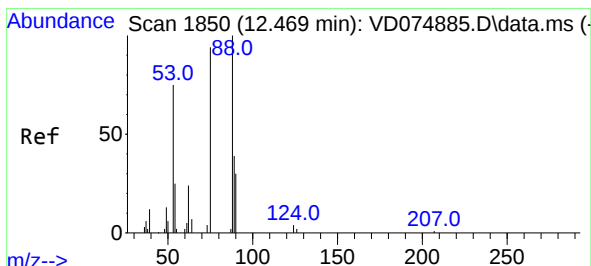
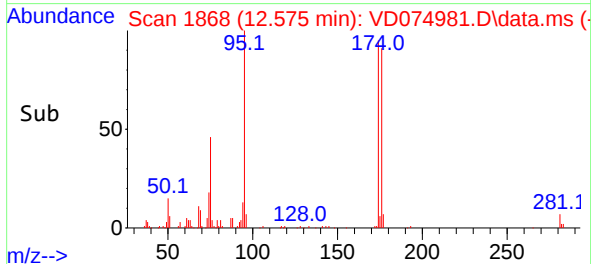
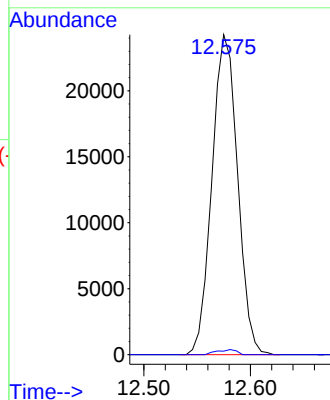
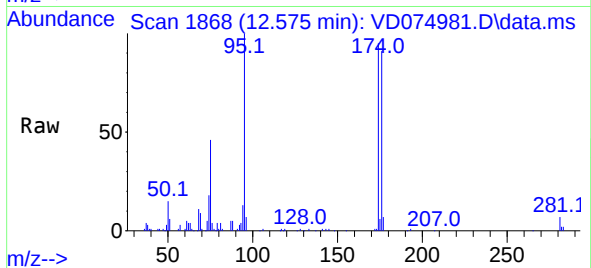




#76
1,2,3-Trichloropropane
Concen: 53.794 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074981.D
Acq: 17 Nov 2022 20:28

Instrument :
MSVOA_D
ClientSampleId :
250FB-BP-BACKFILL-06

Tgt Ion: 75 Resp: 40465
Ion Ratio Lower Upper
75 100
77 1.2 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.336 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074981.D
Acq: 17 Nov 2022 20:28

Tgt Ion: 75 Resp: 40465
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

