

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041723\
 Data File : VD075698.D
 Acq On : 17 Apr 2023 13:42
 Operator : KP/SY
 Sample : 02224-01RE
 Misc : 4.57G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OU3-FC-BACKFILL-01RE

Quant Time: Apr 18 01:17:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

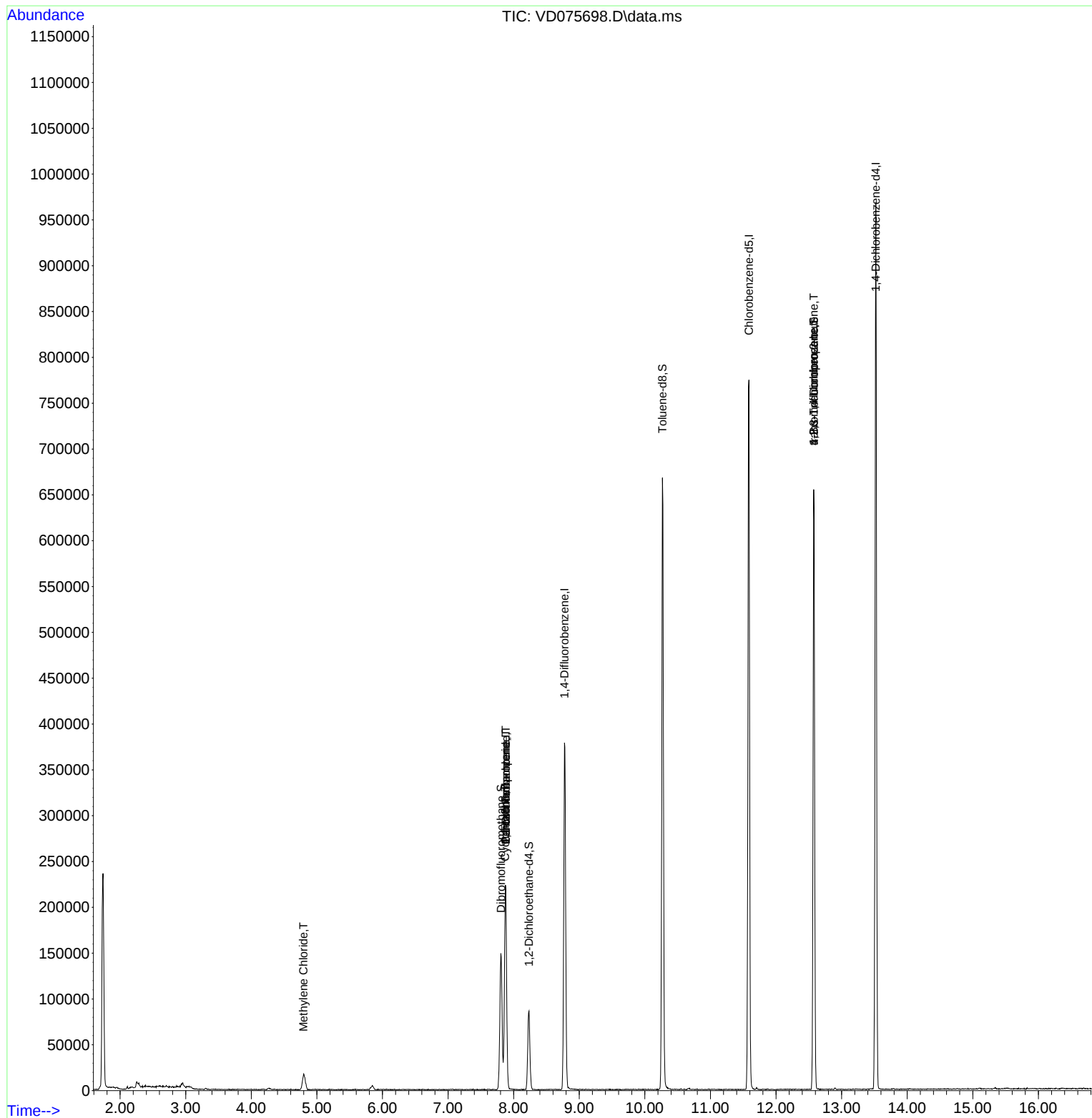
Internal Standards						
1) Pentafluorobenzene	7.881	168	183503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	371839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	497110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	271600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	67211	38.587	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	77.180%		
35) Dibromofluoromethane	7.810	113	110654	44.244	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.480%		
50) Toluene-d8	10.269	98	495888	49.512	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.020%		
62) 4-Bromofluorobenzene	12.575	95	213573	80.228	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	160.460%#		
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.793	84	15471	1.823	ug/l #	61
31) Cyclohexane	7.869	56	3441	1.259	ug/l #	13
36) 1,1-Dichloropropene	7.881	75	13279	3.849	ug/l #	50
38) Carbon Tetrachloride	7.881	117	17365	5.715	ug/l #	18
76) 1,2,3-Trichloropropane	12.575	75	103517	46.737	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	103517	101.298	ug/l #	5

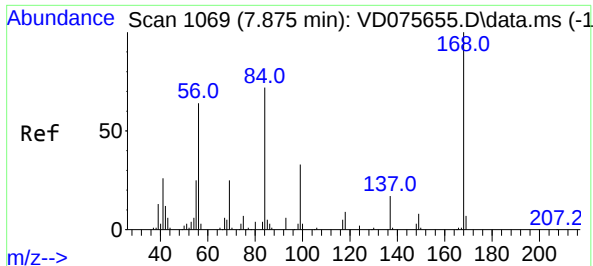
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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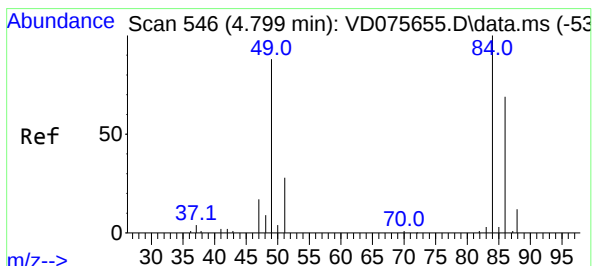
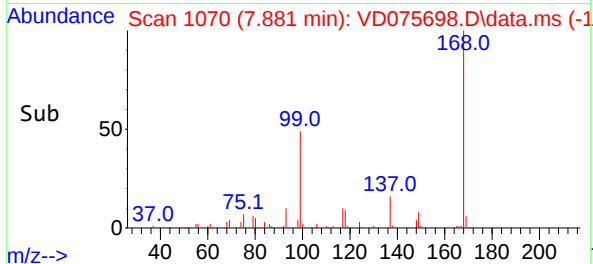
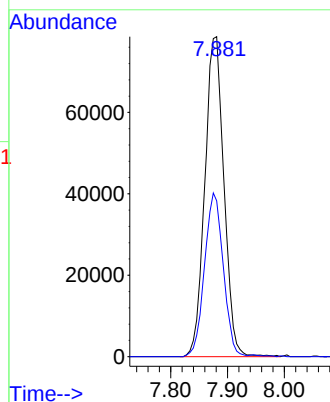
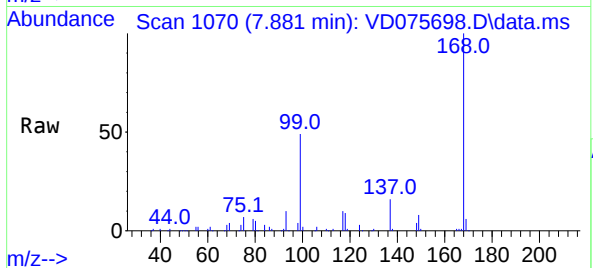




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075698.D
Acq: 17 Apr 2023 13:42

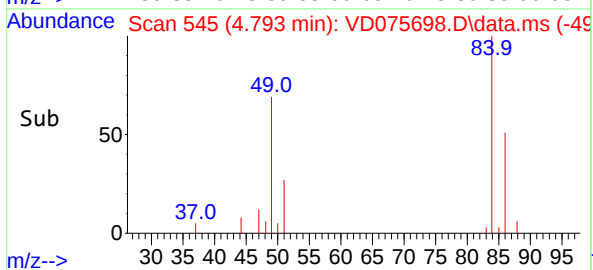
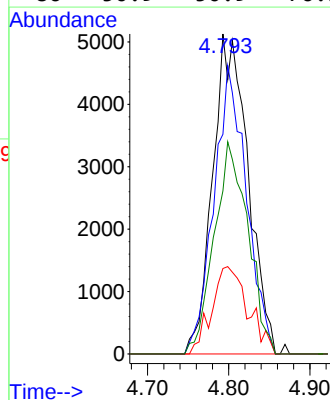
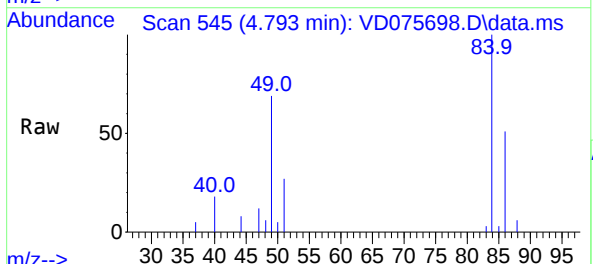
Instrument :
MSVOA_D
ClientSampleId :
OU3-FC-BACKFILL-01RE

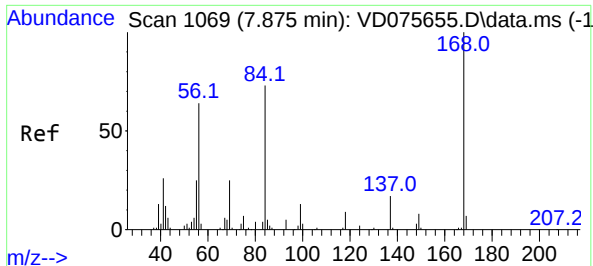
Tgt Ion:168 Resp: 183503
Ion Ratio Lower Upper
168 100
99 48.7 43.8 65.6



#20
Methylene Chloride
Concen: 1.823 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD075698.D
Acq: 17 Apr 2023 13:42

Tgt Ion: 84 Resp: 15471
Ion Ratio Lower Upper
84 100
49 68.6 106.4 159.6#
51 26.7 32.4 48.6#
86 50.9 50.9 76.3





#31

Cyclohexane

Concen: 1.259 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD075698.D

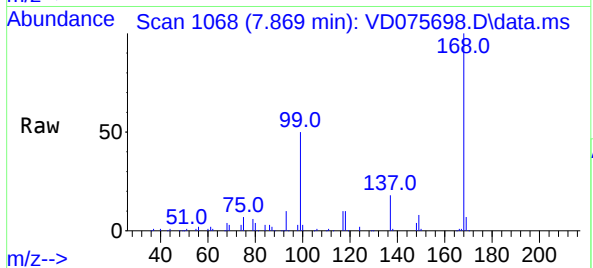
Acq: 17 Apr 2023 13:42

Instrument :

MSVOA_D

ClientSampleId :

OU3-FC-BACKFILL-01RE



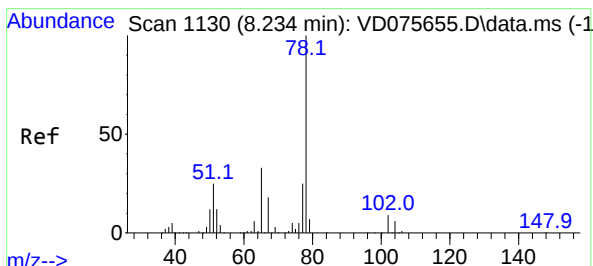
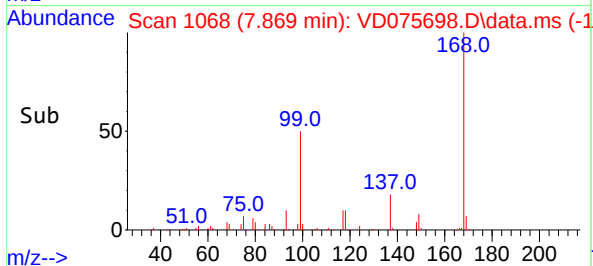
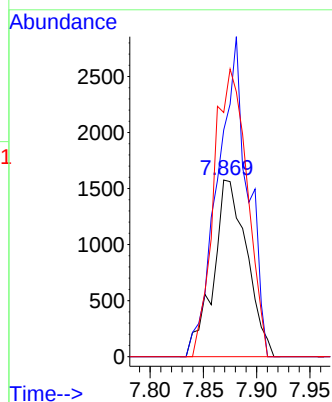
Tgt Ion: 56 Resp: 3441

Ion Ratio Lower Upper

56 100

69 128.4 25.5 38.3#

84 138.2 69.6 104.4#



#33

1,2-Dichloroethane-d4

Concen: 38.587 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD075698.D

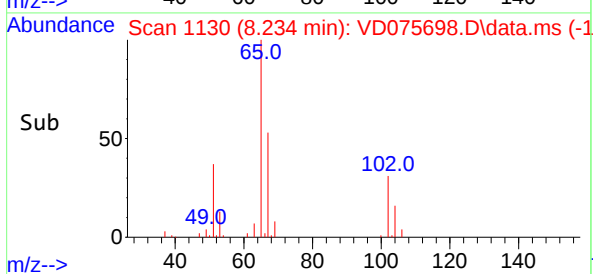
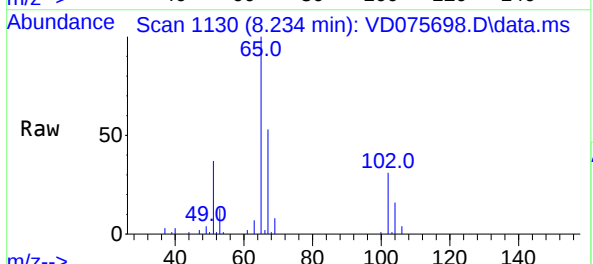
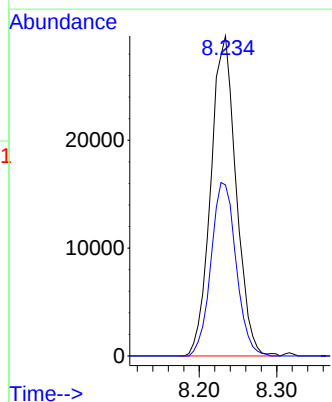
Acq: 17 Apr 2023 13:42

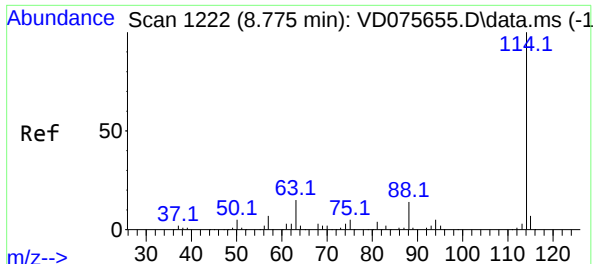
Tgt Ion: 65 Resp: 67211

Ion Ratio Lower Upper

65 100

67 53.7 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075698.D

Acq: 17 Apr 2023 13:42

Instrument :

MSVOA_D

ClientSampleId :

OU3-FC-BACKFILL-01RE

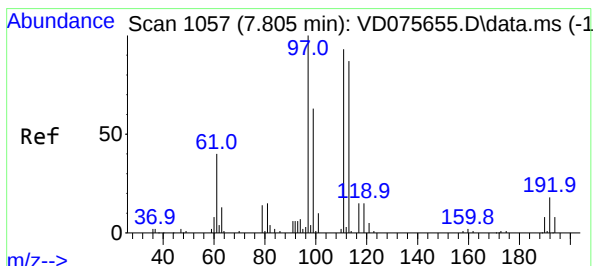
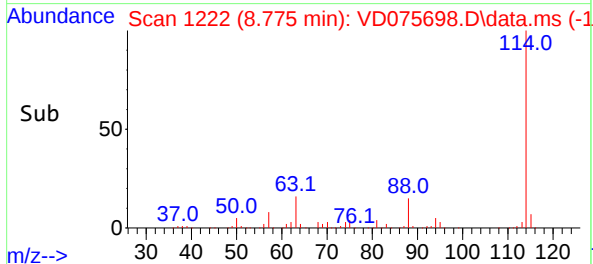
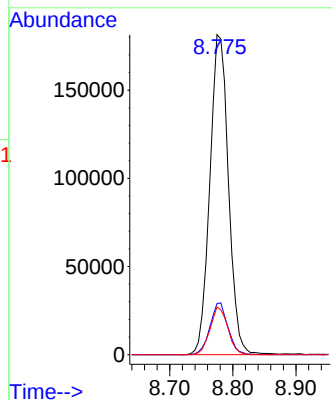
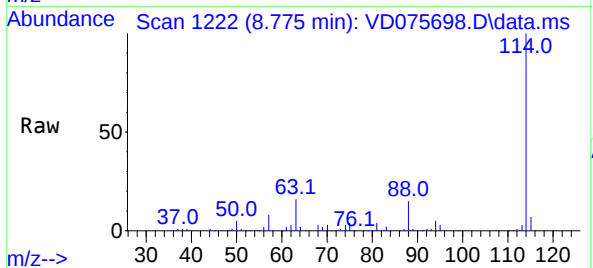
Tgt Ion:114 Resp: 371839

Ion Ratio Lower Upper

114 100

63 15.9 0.0 41.6

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 44.244 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD075698.D

Acq: 17 Apr 2023 13:42

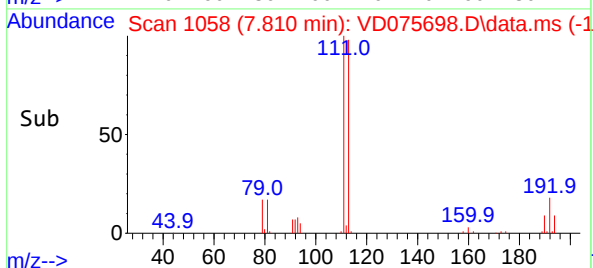
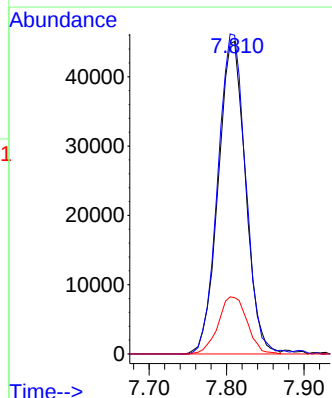
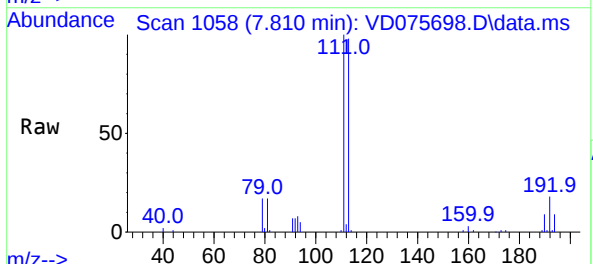
Tgt Ion:113 Resp: 110654

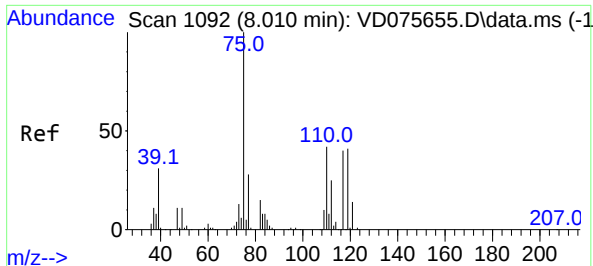
Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

192 19.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 3.849 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD075698.D

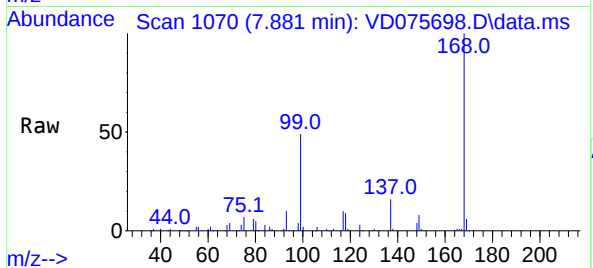
Acq: 17 Apr 2023 13:42

Instrument :

MSVOA_D

ClientSampleId :

OU3-FC-BACKFILL-01RE



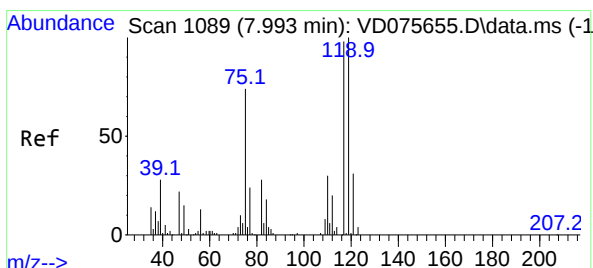
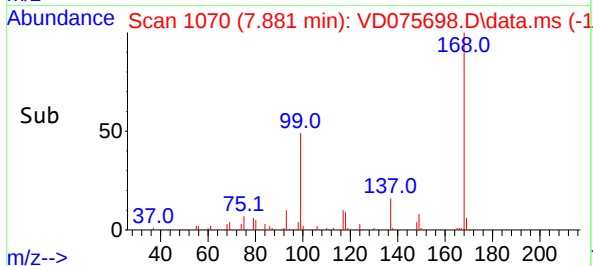
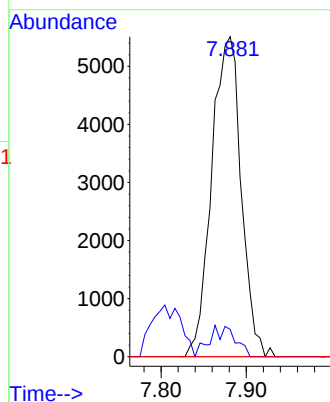
Tgt Ion: 75 Resp: 13279

Ion Ratio Lower Upper

75 100

110 8.3 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.715 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD075698.D

Acq: 17 Apr 2023 13:42

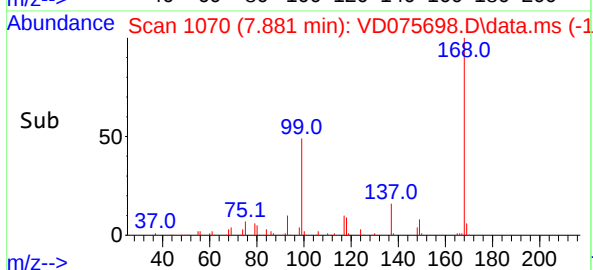
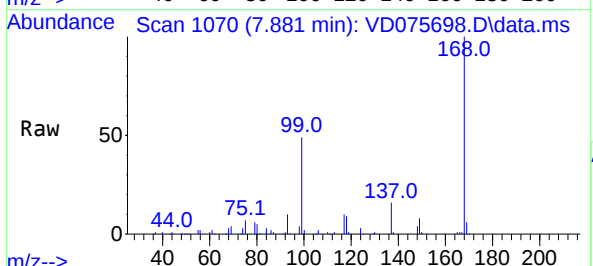
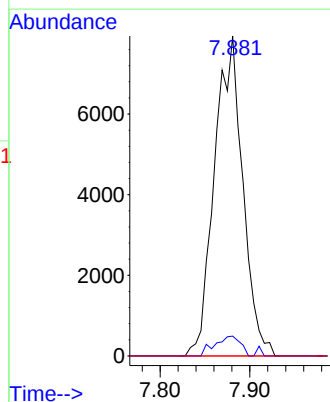
Tgt Ion: 117 Resp: 17365

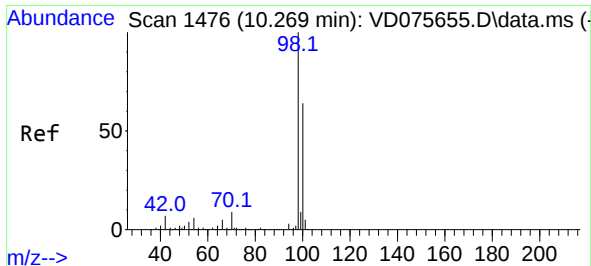
Ion Ratio Lower Upper

117 100

119 6.2 74.7 112.1#

121 0.0 25.9 38.9#

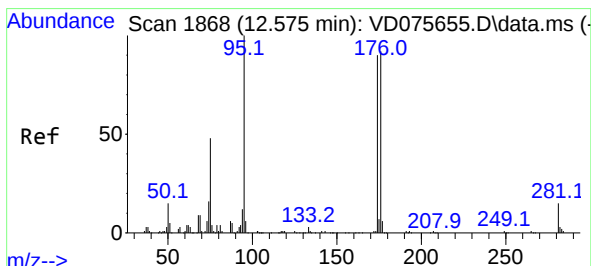
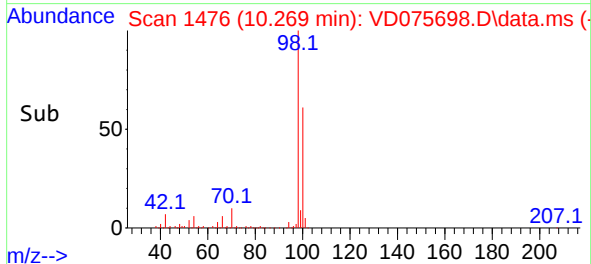
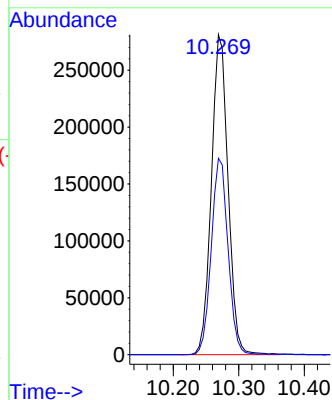
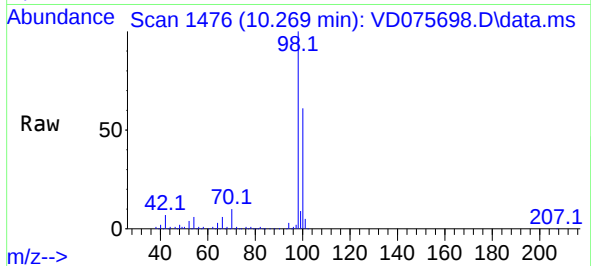




#50
Toluene-d8
Concen: 49.512 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075698.D
Acq: 17 Apr 2023 13:42

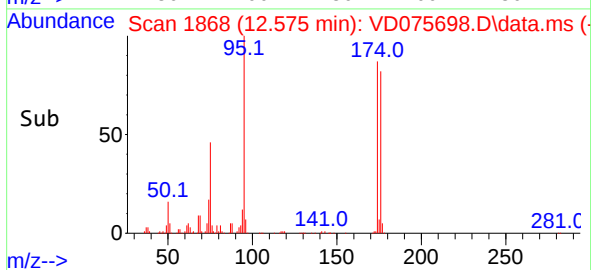
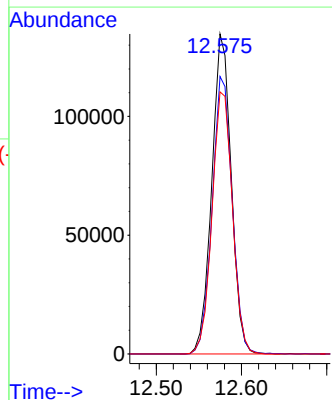
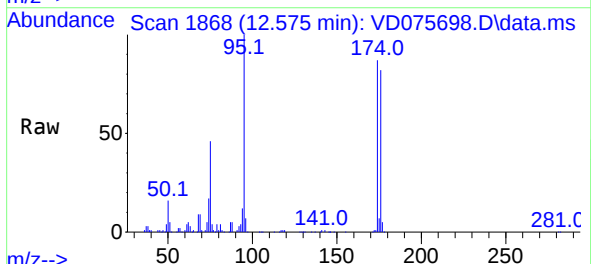
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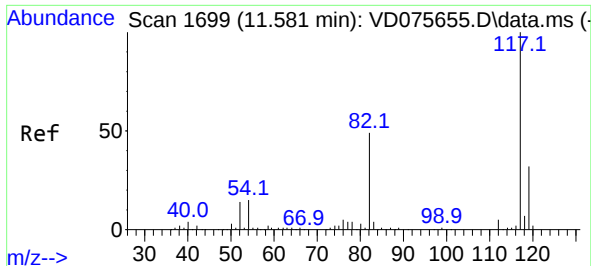
Tgt Ion: 98 Resp: 495888
Ion Ratio Lower Upper
98 100
100 61.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 80.228 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075698.D
Acq: 17 Apr 2023 13:42

Tgt Ion: 95 Resp: 213573
Ion Ratio Lower Upper
95 100
174 89.1 0.0 164.0
176 85.9 0.0 156.8

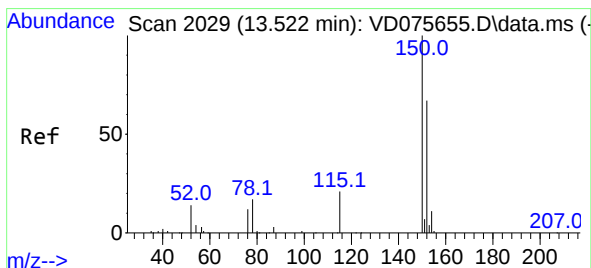
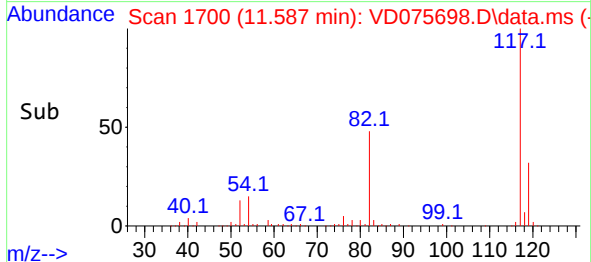
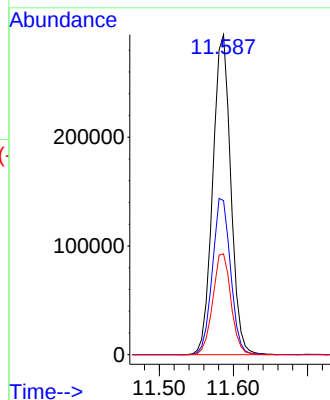
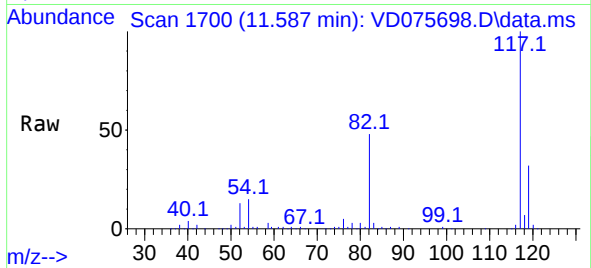




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 117
Delta R.T. 0.006 min
Lab File: VD075698.D
Acq: 17 Apr 2023 13:42

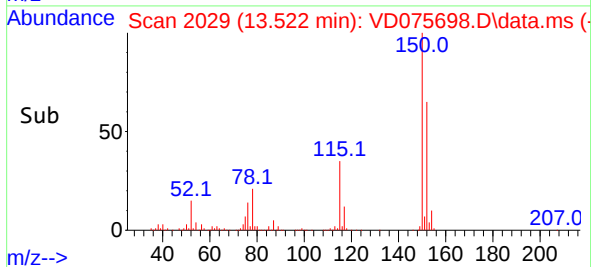
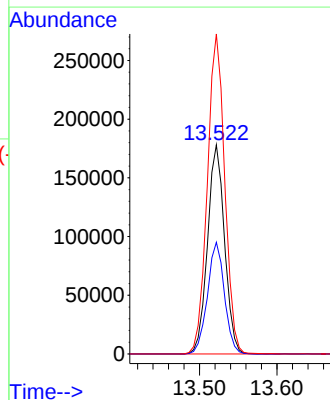
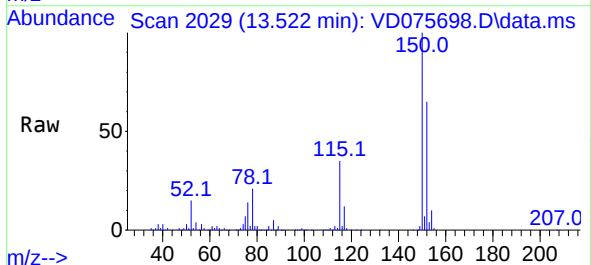
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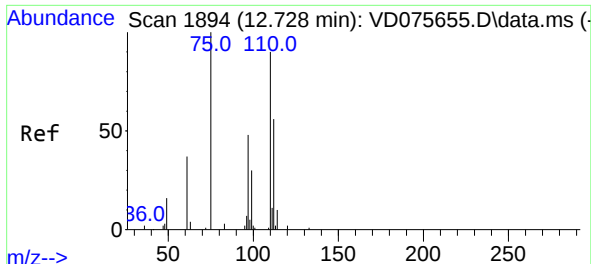
Tgt Ion:117 Resp: 497110
Ion Ratio Lower Upper
117 100
82 48.1 44.0 66.0
119 31.5 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075698.D
Acq: 17 Apr 2023 13:42

Tgt Ion:152 Resp: 271600
Ion Ratio Lower Upper
152 100
115 53.3 30.1 90.3
150 156.3 0.0 364.8

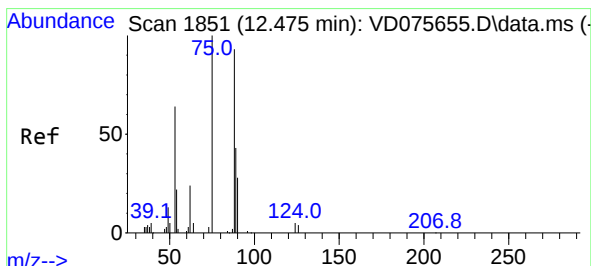
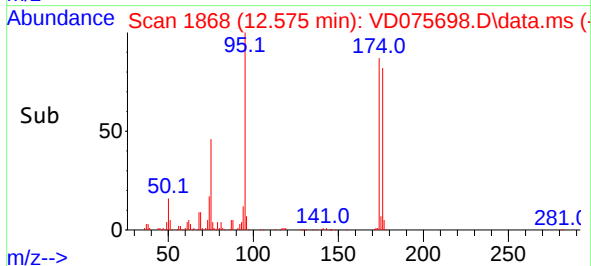
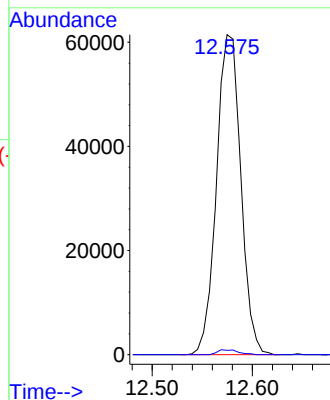
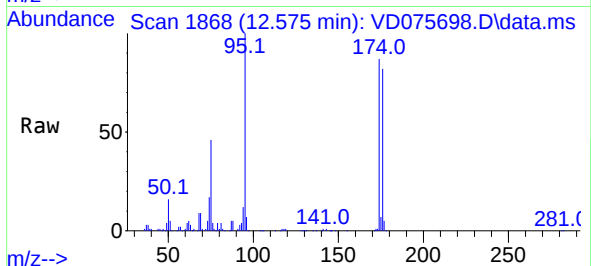




#76
1,2,3-Trichloropropane
Concen: 46.737 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075698.D
Acq: 17 Apr 2023 13:42

Instrument : MSVOA_D
ClientSampleId : OU3-FC-BACKFILL-01RE

Tgt Ion: 75 Resp: 103517
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.298 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD075698.D
Acq: 17 Apr 2023 13:42

Tgt Ion: 75 Resp: 103517
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

