

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022624\
 Data File : VY017481.D
 Acq On : 26 Feb 2024 15:05
 Operator : SY/MD
 Sample : P1564-17
 Misc : 3.97g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-17

Quant Time: Feb 27 01:53:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

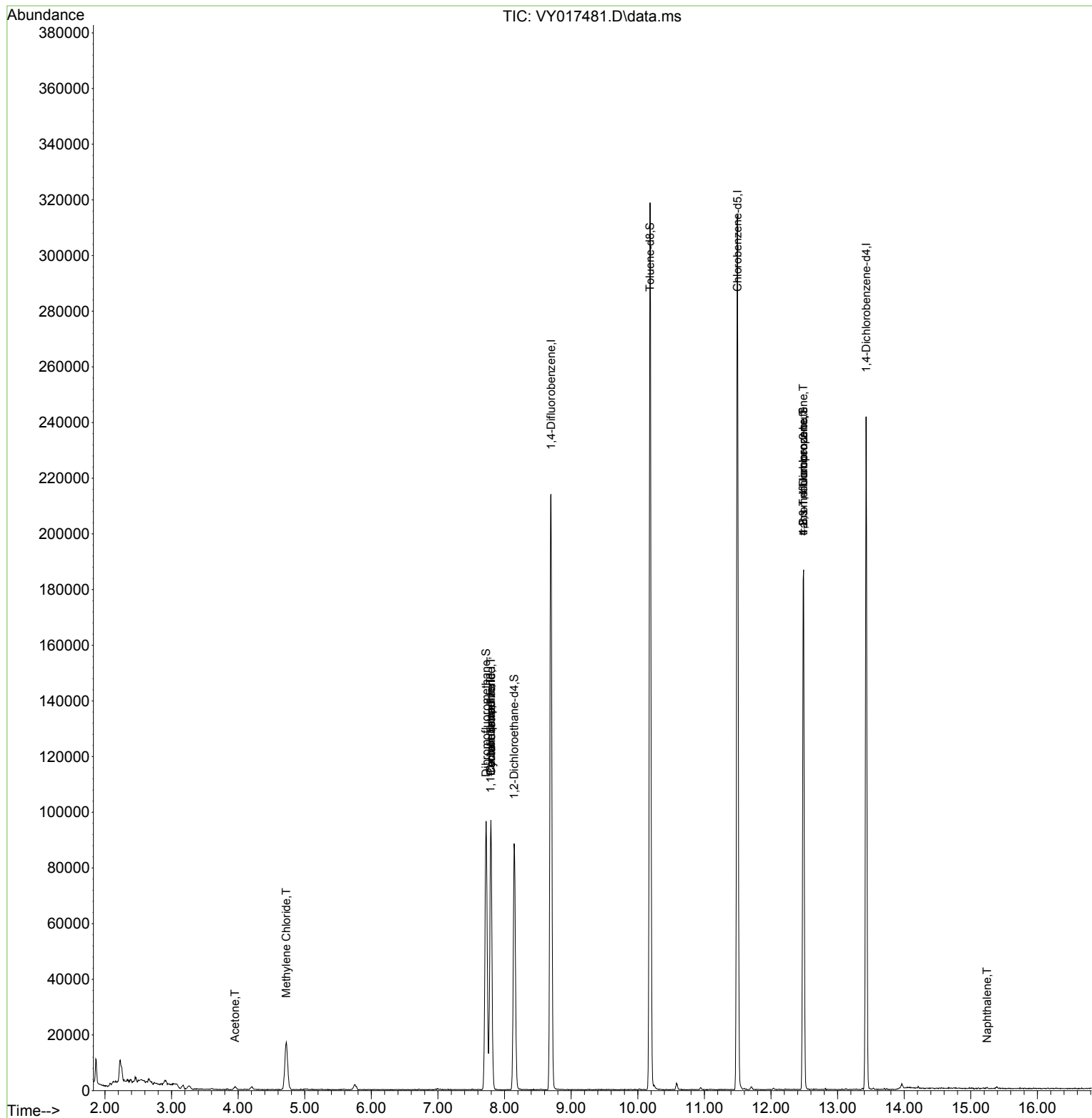
Internal Standards						
1) Pentafluorobenzene	7.795	168	78631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	199713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	179796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	62482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	66927	89.810	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 179.620%#	
35) Dibromofluoromethane	7.722	113	69601	50.013	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.020%	
50) Toluene-d8	10.185	98	213377	43.853	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 87.700%	
62) 4-Bromofluorobenzene	12.483	95	56351	36.850	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 73.700%	
Target Compounds						
						Qvalue
16) Acetone	3.954	43	1721	11.907	ug/l	98
20) Methylene Chloride	4.723	84	14037	12.411	ug/l	96
31) Cyclohexane	7.795	56	1492	1.230	ug/l #	25
36) 1,1-Dichloropropene	7.789	75	5603	2.984	ug/l #	48
38) Carbon Tetrachloride	7.795	117	7359	3.911	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	28494	47.996	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	28494	110.284	ug/l #	16
95) Naphthalene	15.245	128	284	4.048	ug/l #	69

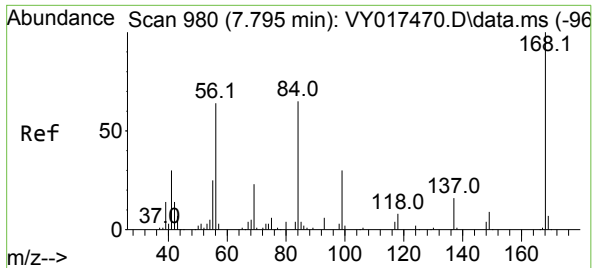
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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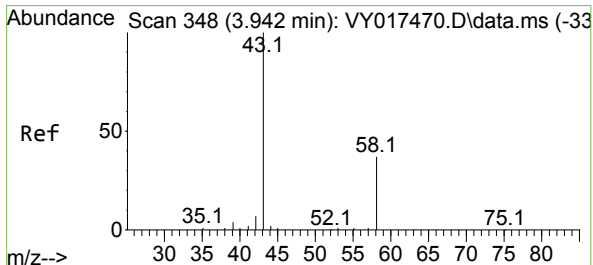
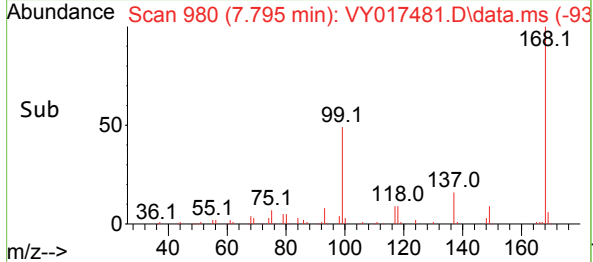
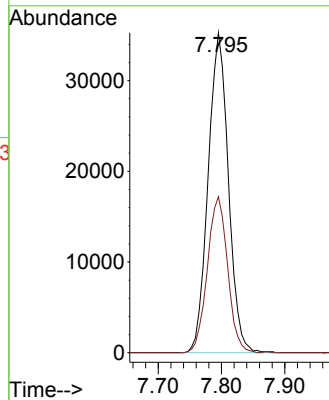
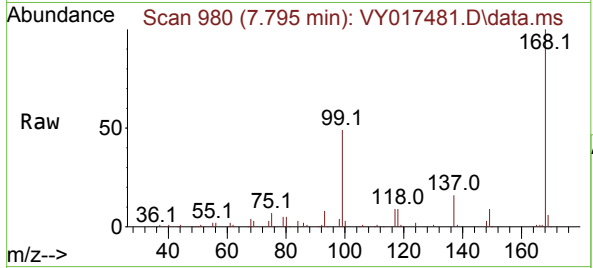




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017481.D
Acq: 26 Feb 2024 15:05

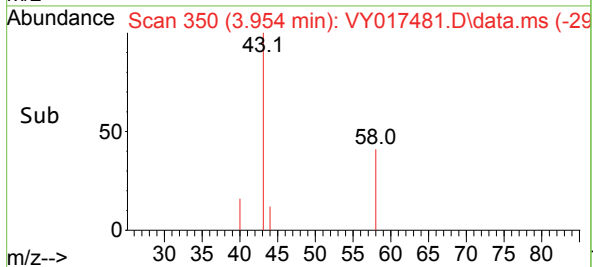
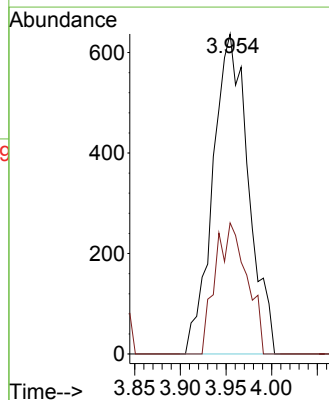
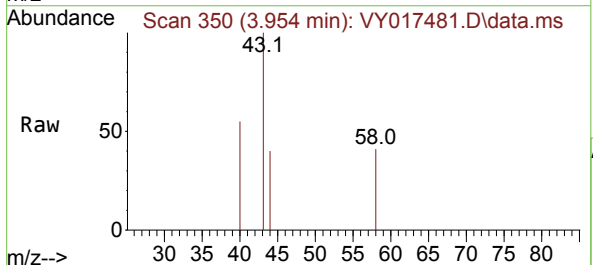
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-17

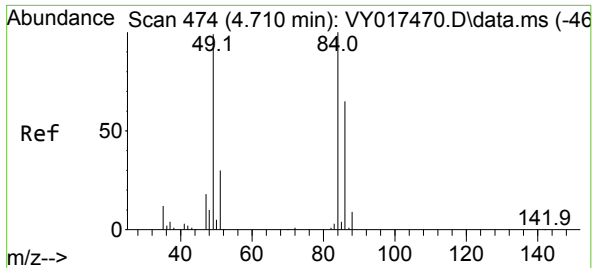
Tgt Ion:168 Resp: 78631
Ion Ratio Lower Upper
168 100
99 48.7 39.1 58.7



#16
Acetone
Concen: 11.907 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY017481.D
Acq: 26 Feb 2024 15:05

Tgt Ion: 43 Resp: 1721
Ion Ratio Lower Upper
43 100
58 41.0 31.7 47.5

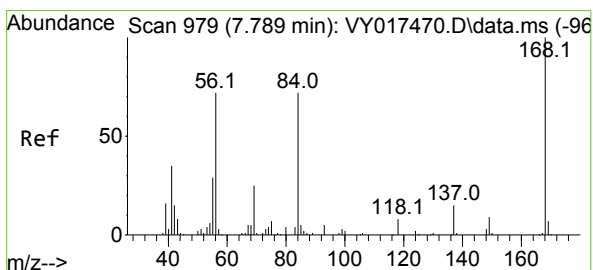
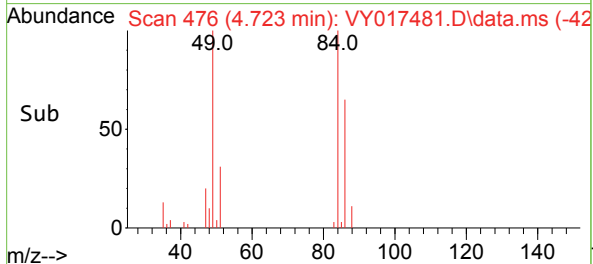
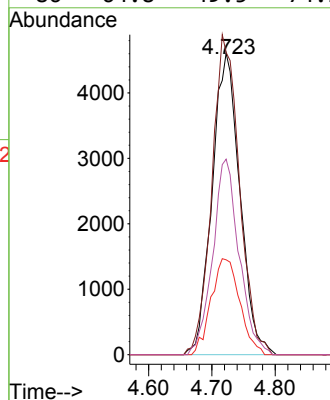
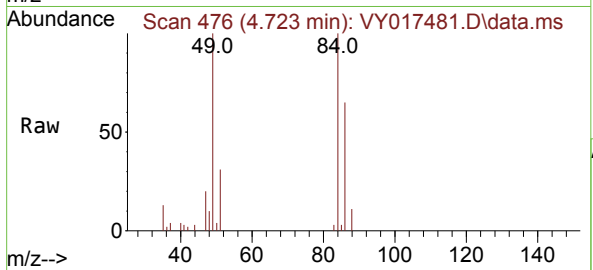




#20
Methylene Chloride
Concen: 12.411 ug/l
RT: 4.723 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY017481.D
Acq: 26 Feb 2024 15:05

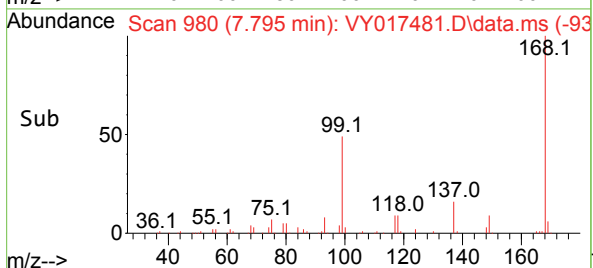
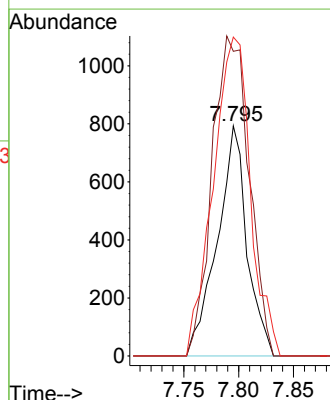
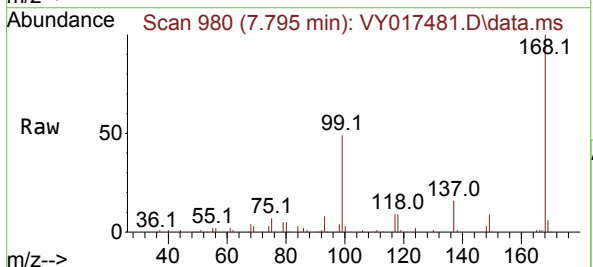
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-17

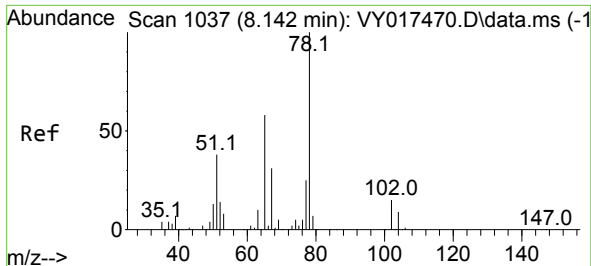
Tgt Ion: 84	Resp: 14037
Ion Ratio	Lower Upper
84 100	
49 100.2	84.4 126.6
51 31.5	26.0 39.0
86 64.8	49.5 74.3



#31
Cyclohexane
Concen: 1.230 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY017481.D
Acq: 26 Feb 2024 15:05

Tgt Ion: 56	Resp: 1492		
Ion Ratio	Lower	Upper	
56	100		
69	132.4	28.7	43.1#
84	138.6	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 89.810 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY017481.D

Acq: 26 Feb 2024 15:05

Instrument :

MSVOA_Y

ClientSampleId :

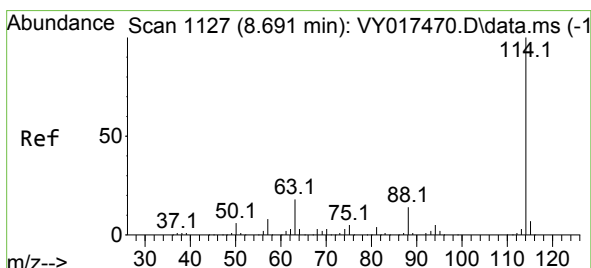
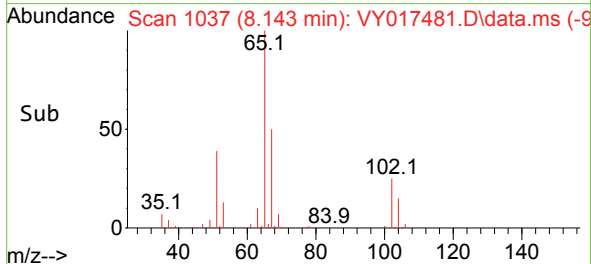
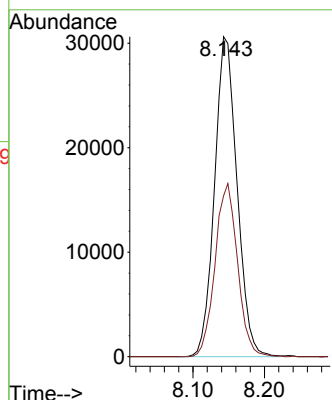
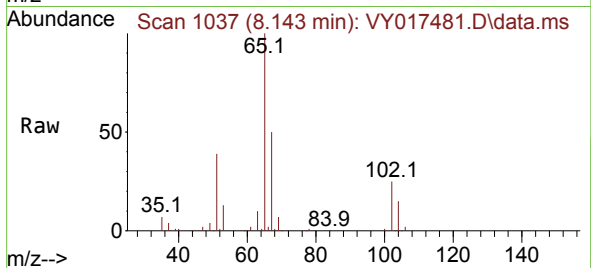
LKWD-BACKFILL-17

Tgt Ion: 65 Resp: 66927

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017481.D

Acq: 26 Feb 2024 15:05

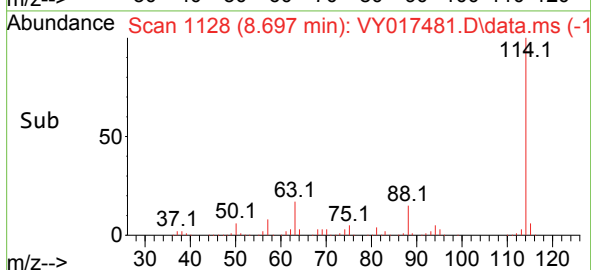
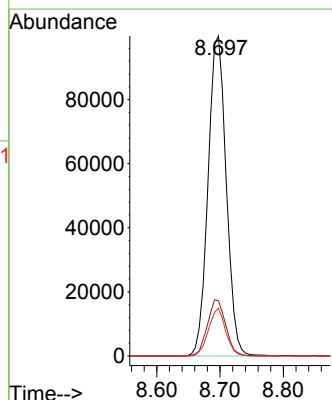
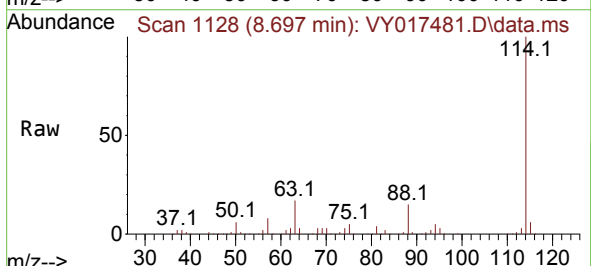
Tgt Ion: 114 Resp: 199713

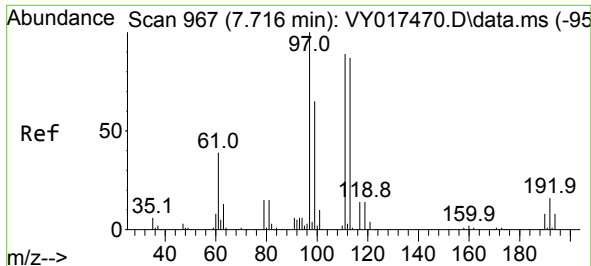
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

88 14.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 50.013 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY017481.D

Acq: 26 Feb 2024 15:05

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-17

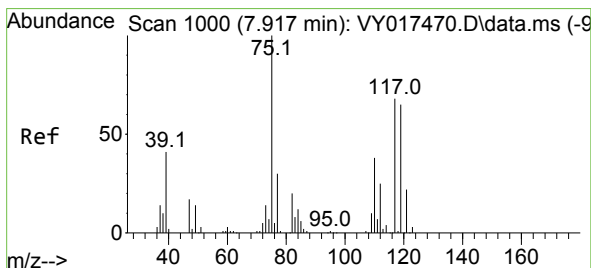
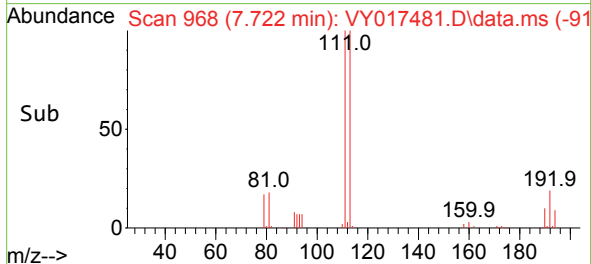
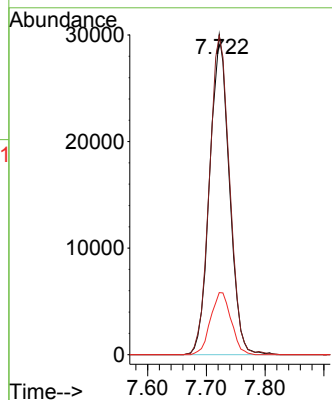
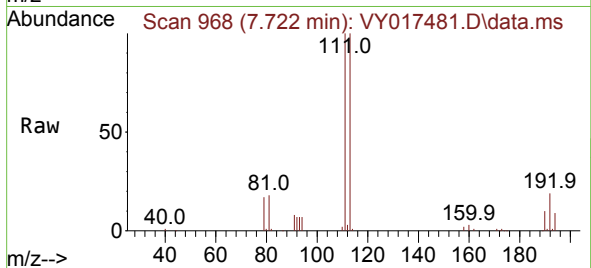
Tgt Ion:113 Resp: 69601

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 20.4 15.9 23.9



#36

1,1-Dichloropropene

Concen: 2.984 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.128 min

Lab File: VY017481.D

Acq: 26 Feb 2024 15:05

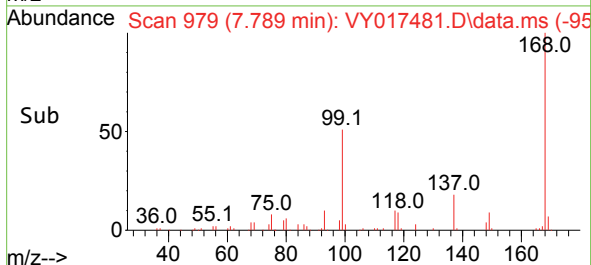
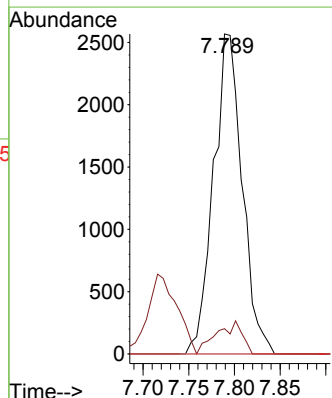
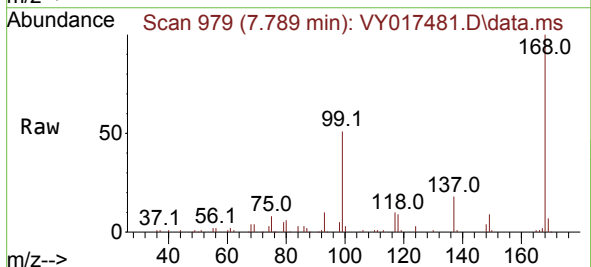
Tgt Ion: 75 Resp: 5603

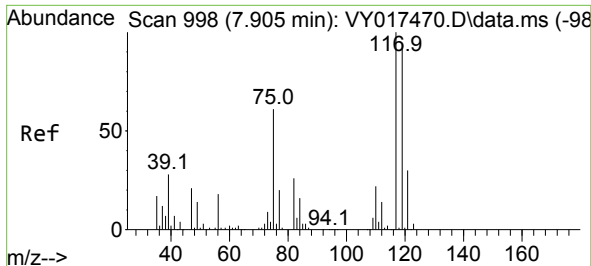
Ion Ratio Lower Upper

75 100

110 9.2 19.0 57.0#

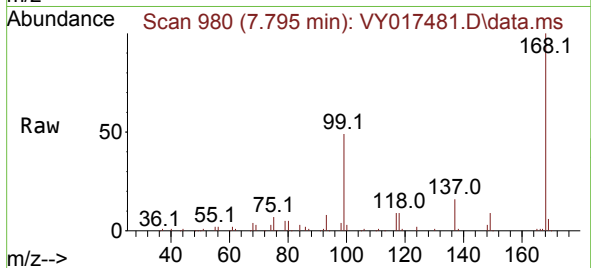
77 0.0 25.3 37.9#



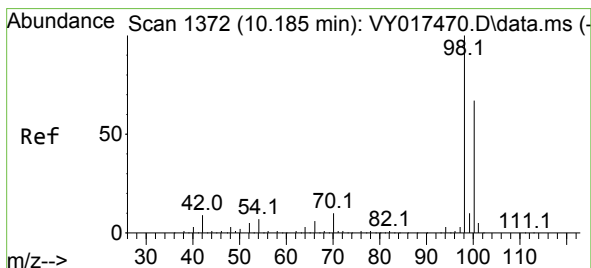
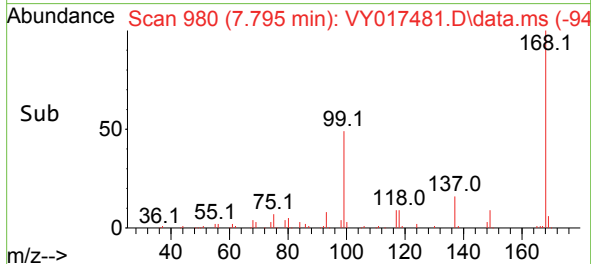
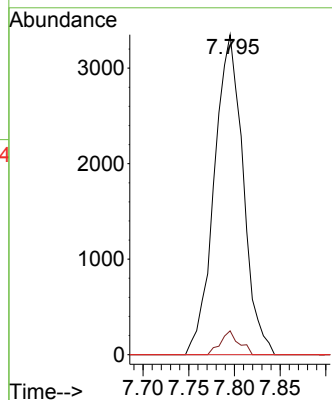


#38
Carbon Tetrachloride
Concen: 3.911 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY017481.D
Acq: 26 Feb 2024 15:05

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-17

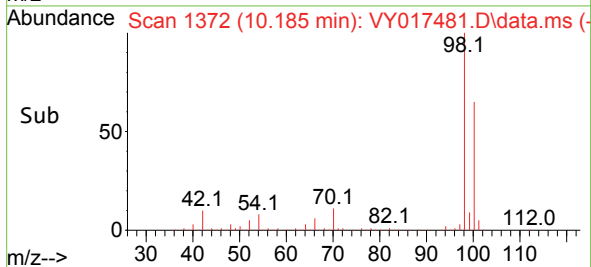
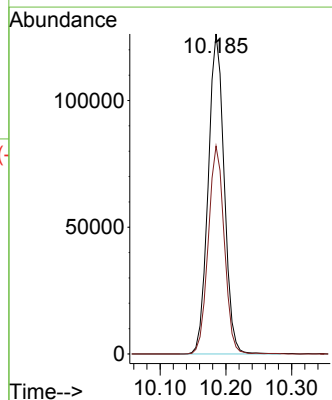
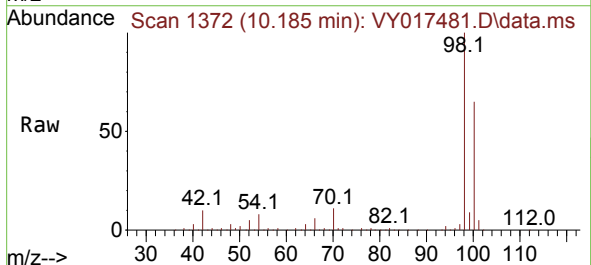


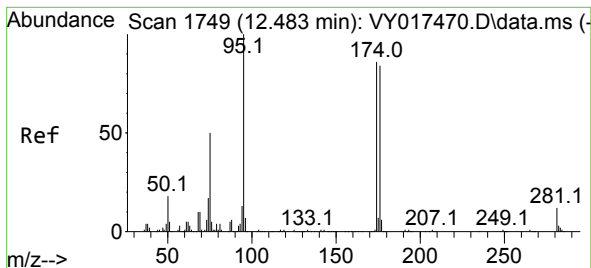
Tgt Ion:117 Resp: 7359
Ion Ratio Lower Upper
117 100
119 7.5 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 43.853 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017481.D
Acq: 26 Feb 2024 15:05

Tgt Ion: 98 Resp: 213377
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 36.850 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017481.D

Acq: 26 Feb 2024 15:05

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-17

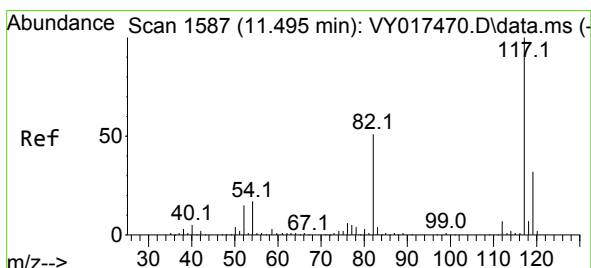
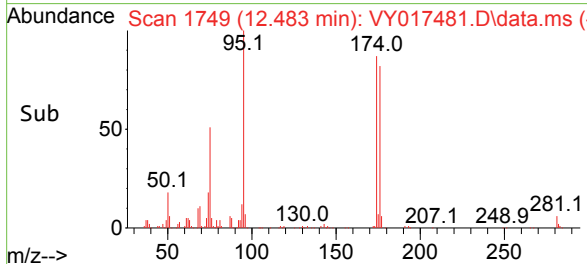
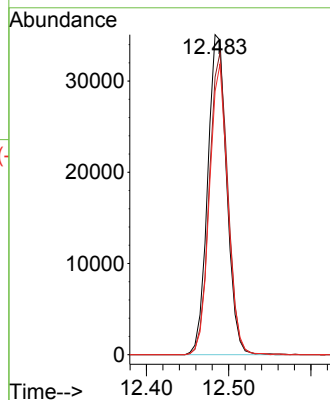
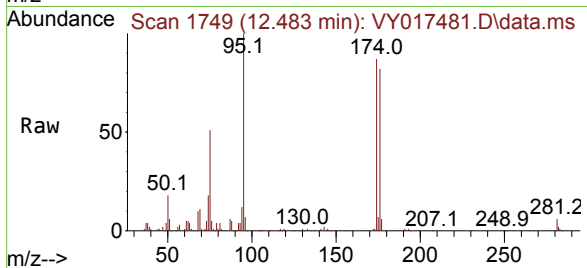
Tgt Ion: 95 Resp: 56351

Ion Ratio Lower Upper

95 100

174 92.5 0.0 175.6

176 88.1 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VY017481.D

Acq: 26 Feb 2024 15:05

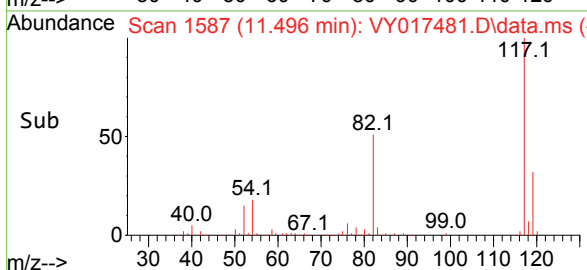
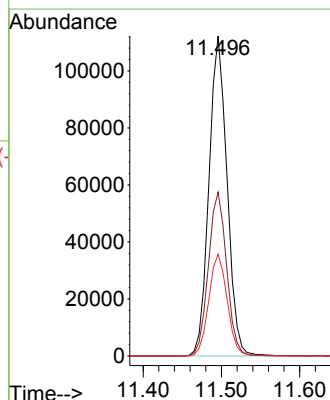
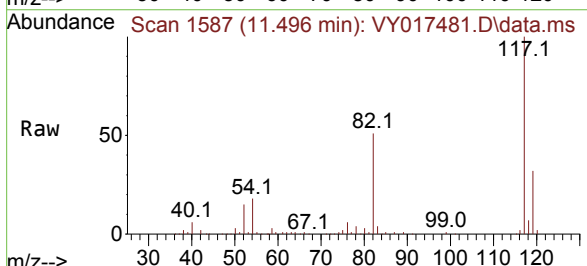
Tgt Ion: 117 Resp: 179796

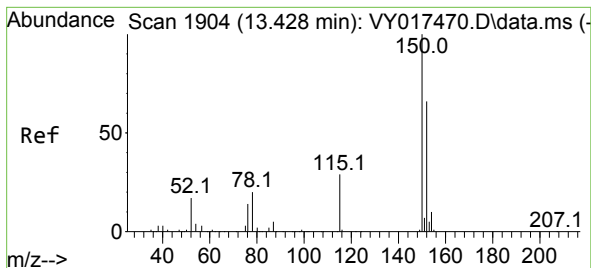
Ion Ratio Lower Upper

117 100

82 51.2 42.4 63.6

119 31.9 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY017481.D

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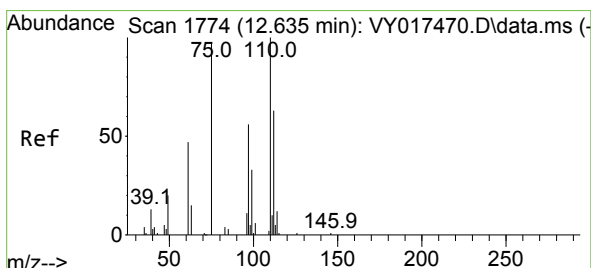
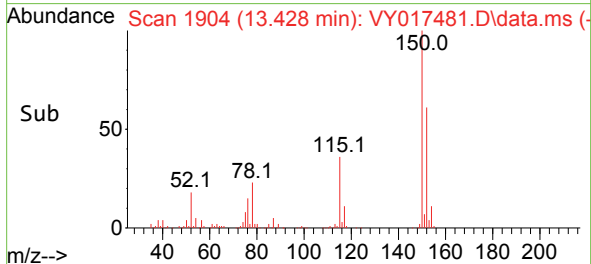
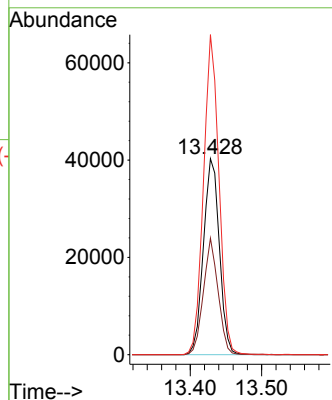
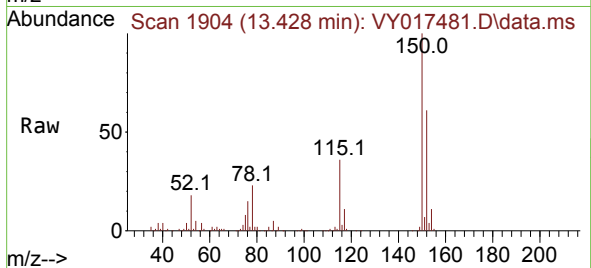
Tgt Ion:152 Resp: 62482

Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.7

150 158.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 47.996 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY017481.D

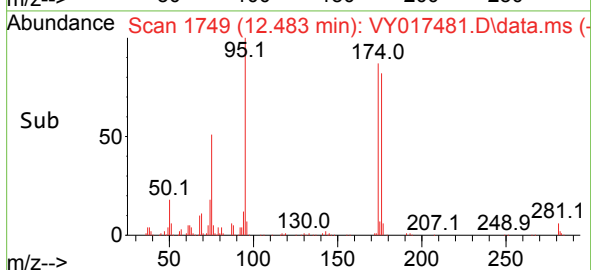
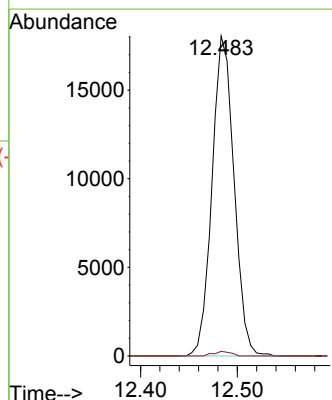
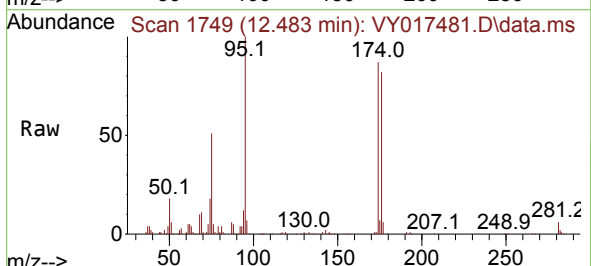
Acq: 26 Feb 2024 15:05

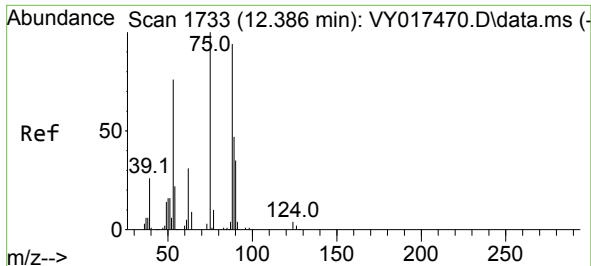
Tgt Ion: 75 Resp: 28494

Ion Ratio Lower Upper

75 100

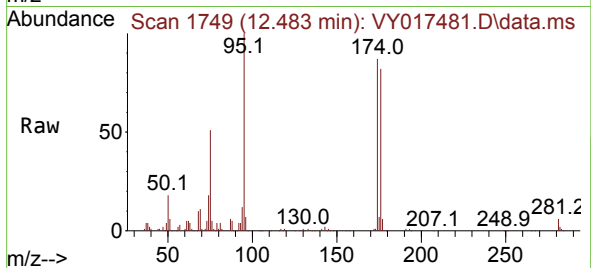
77 1.1 0.0 0.0#



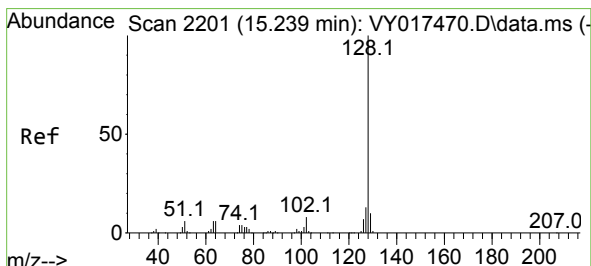
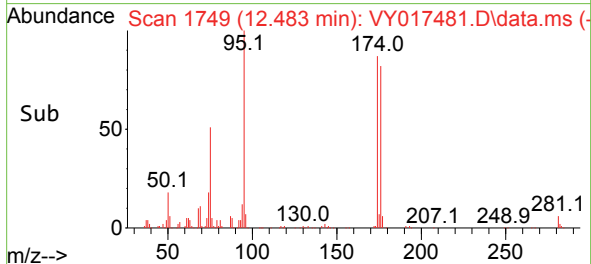
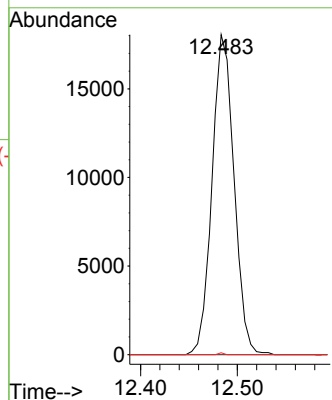


#81
trans-1,4-Dichloro-2-butene
Concen: 110.284 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY017481.D
Acq: 26 Feb 2024 15:05

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-17



Tgt Ion: 75 Resp: 28494
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#



#95
Naphthalene
Concen: 4.048 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY017481.D
Acq: 26 Feb 2024 15:05

Tgt Ion: 128 Resp: 284
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

