

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032624\
 Data File : VY017769.D
 Acq On : 26 Mar 2024 15:00
 Operator : SY/MD
 Sample : P1870-01
 Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EXTRA-PILE

Quant Time: Mar 27 01:30:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032224S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 04:03:52 2024
 Response via : Initial Calibration

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

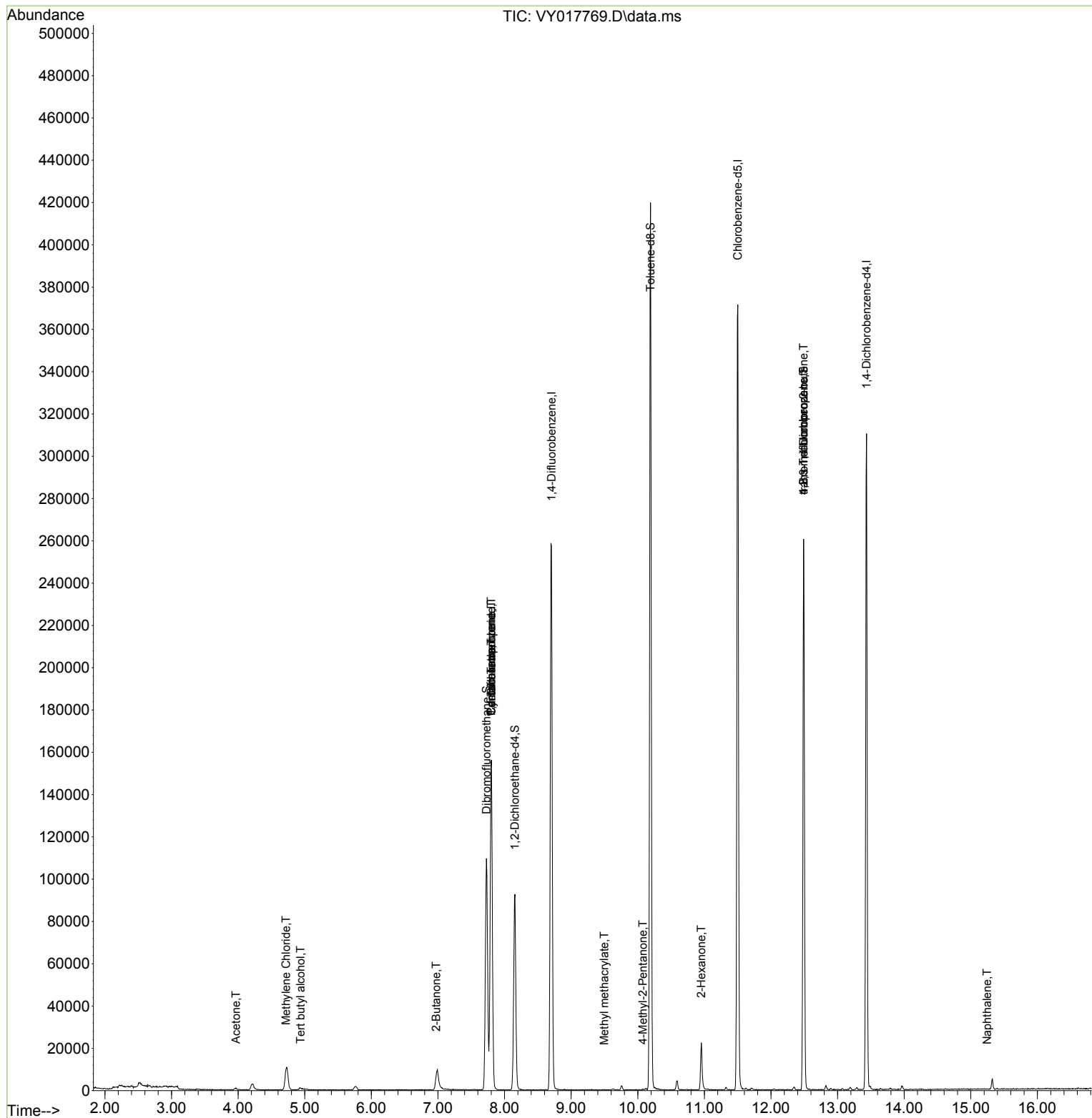
Internal Standards						
1) Pentafluorobenzene	7.801	168	128370	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.704	114	237723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	213667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	80790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	71031	63.515	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.020%	
35) Dibromofluoromethane	7.728	113	77720	54.694	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.380%	
50) Toluene-d8	10.191	98	277749	51.071	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.140%	
62) 4-Bromofluorobenzene	12.489	95	75972	46.521	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	1007	13.538	ug/l #	88
16) Acetone	3.967	43	1217	6.222	ug/l	89
20) Methylene Chloride	4.716	84	8570	6.024	ug/l	90
25) 2-Butanone	6.972	43	162	8.442	ug/l #	41
31) Cyclohexane	7.801	56	2429	1.098	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	9256	4.216	ug/l #	47
38) Carbon Tetrachloride	7.801	117	12233	5.322	ug/l #	18
48) Methyl methacrylate	9.496	41	22	1.299	ug/l #	7
51) 4-Methyl-2-Pentanone	10.075	43	286	5.952	ug/l #	31
59) 2-Hexanone	10.953	43	211	9.806	ug/l #	19
76) 1,2,3-Trichloropropane	12.489	75	39948	53.546	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	39948	123.729	ug/l #	16
95) Naphthalene	15.245	128	41	2.627	ug/l #	69

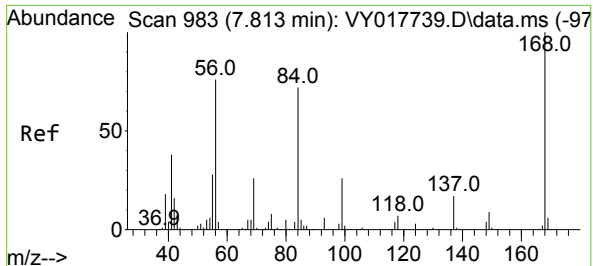
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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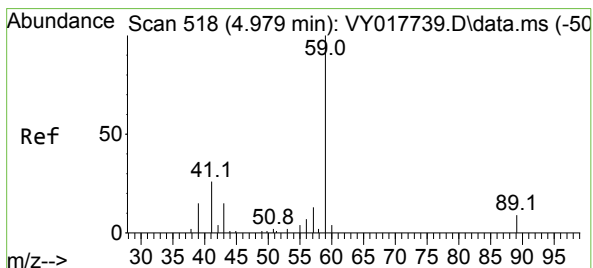
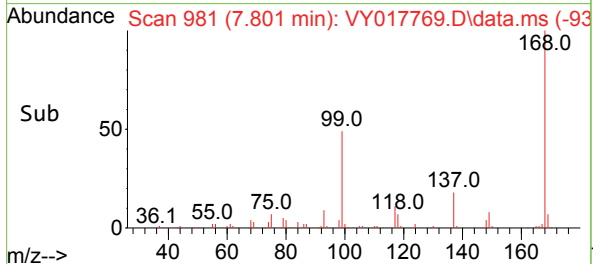
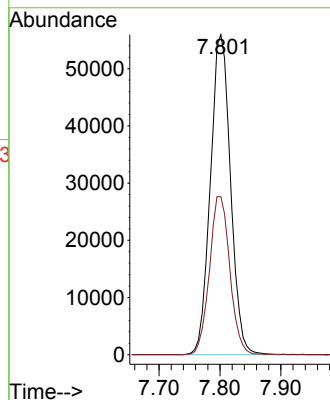
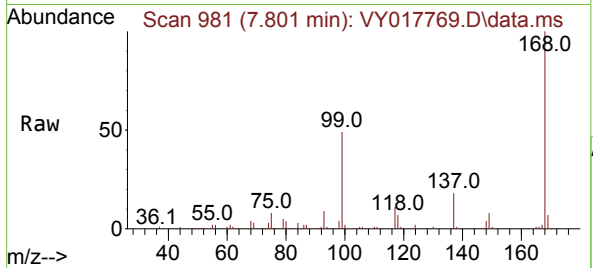




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 983
Delta R.T. -0.012 min
Lab File: VY017769.D
Acq: 26 Mar 2024 15:00

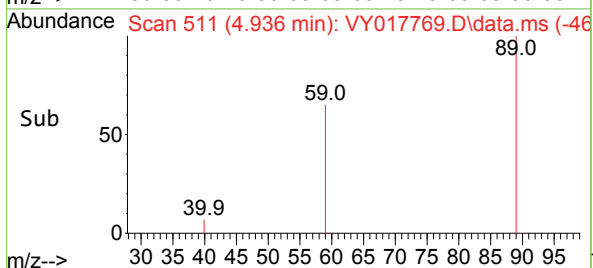
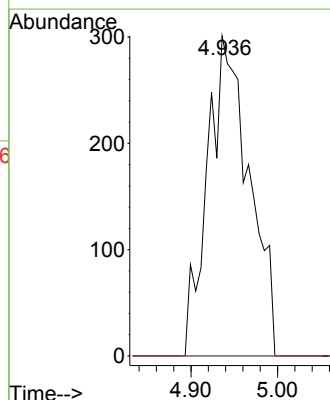
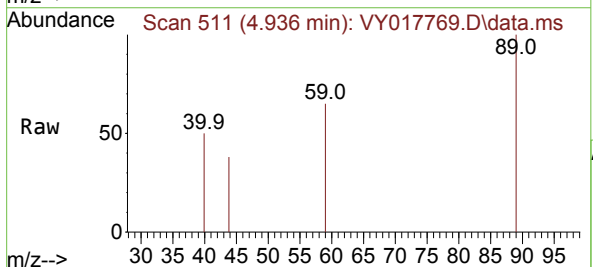
Instrument :
MSVOA_Y
ClientSampleId :
EXTRA-PILE

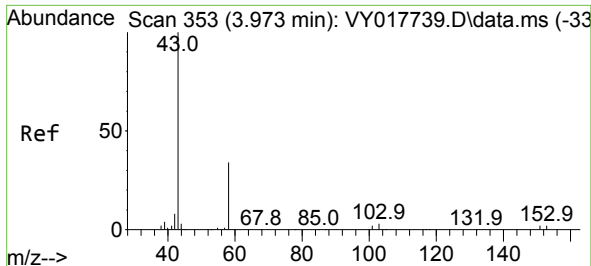
Tgt Ion:168 Resp: 128370
Ion Ratio Lower Upper
168 100
99 49.4 39.1 58.7



#11
Tert butyl alcohol
Concen: 13.538 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.043 min
Lab File: VY017769.D
Acq: 26 Mar 2024 15:00

Tgt Ion: 59 Resp: 1007
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 6.222 ug/l

RT: 3.967 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY017769.D

Acq: 26 Mar 2024 15:00

Instrument :

MSVOA_Y

ClientSampleId :

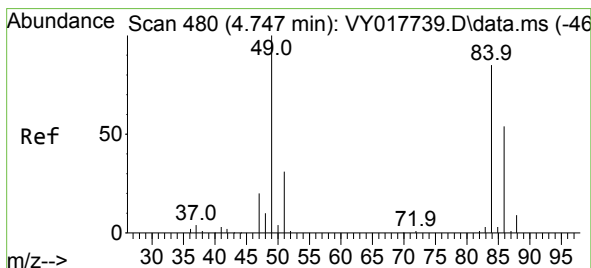
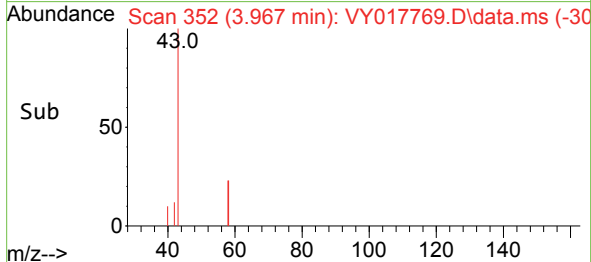
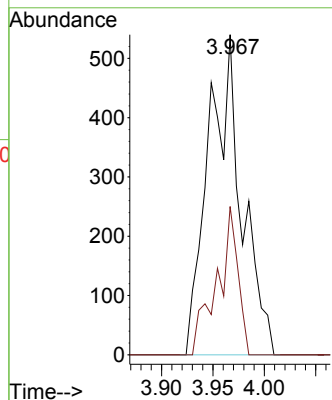
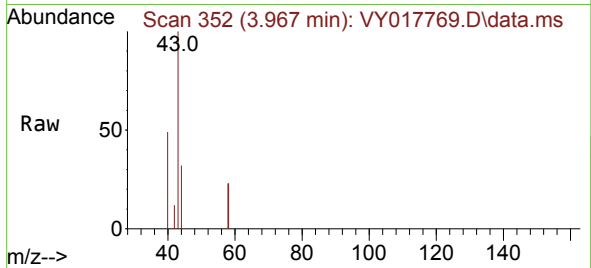
EXTRA-PILE

Tgt Ion: 43 Resp: 1217

Ion Ratio Lower Upper

43 100

58 46.3 31.7 47.5



#20

Methylene Chloride

Concen: 6.024 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.030 min

Lab File: VY017769.D

Acq: 26 Mar 2024 15:00

Tgt Ion: 84 Resp: 8570

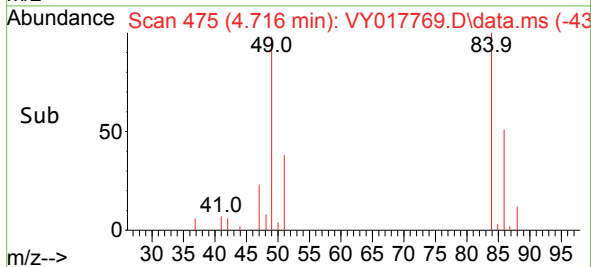
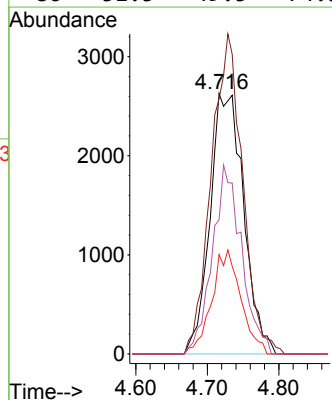
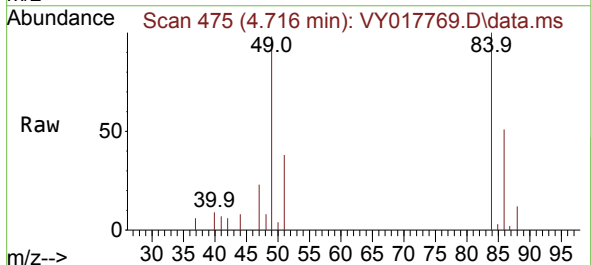
Ion Ratio Lower Upper

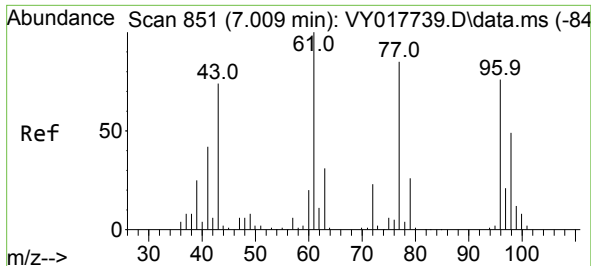
84 100

49 97.9 84.4 126.6

51 38.2 26.0 39.0

86 51.5 49.5 74.3





#25

2-Butanone

Concen: 8.442 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.037 min

Lab File: VY017769.D

Acq: 26 Mar 2024 15:00

Instrument :

MSVOA_Y

ClientSampleId :

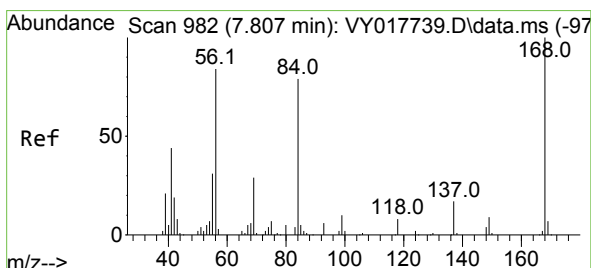
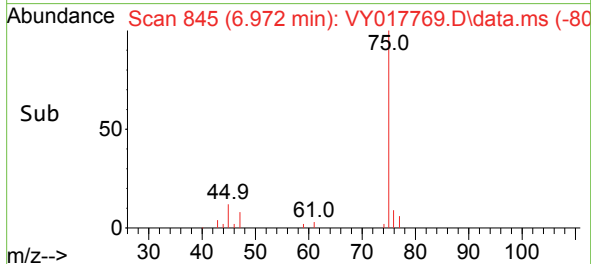
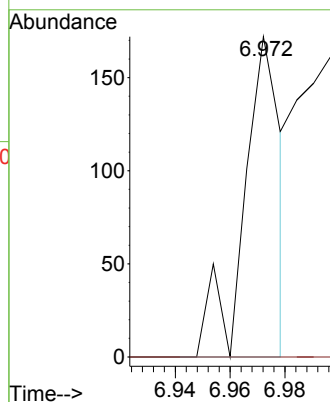
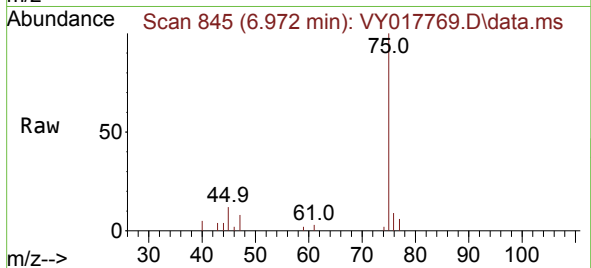
EXTRA-PILE

Tgt Ion: 43 Resp: 162

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.098 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY017769.D

Acq: 26 Mar 2024 15:00

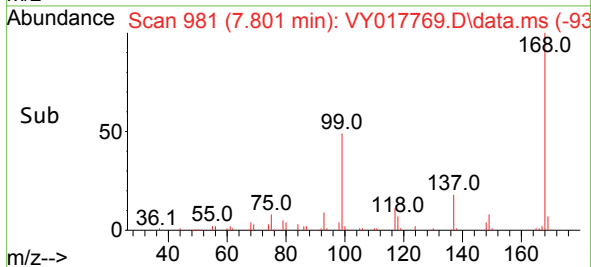
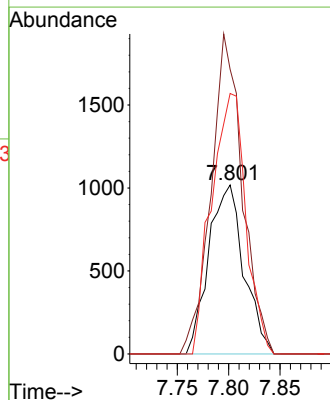
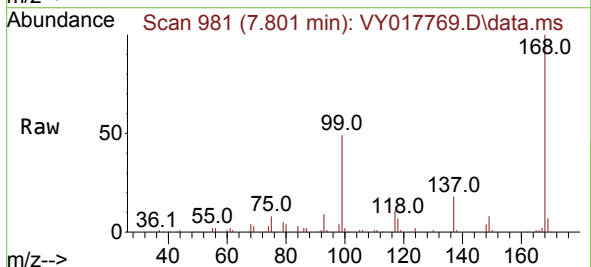
Tgt Ion: 56 Resp: 2429

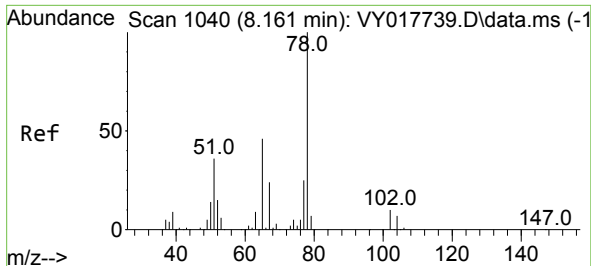
Ion Ratio Lower Upper

56 100

69 168.5 28.7 43.1#

84 154.1 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 63.515 ug/l

RT: 8.155 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY017769.D

Acq: 26 Mar 2024 15:00

Instrument :

MSVOA_Y

ClientSampleId :

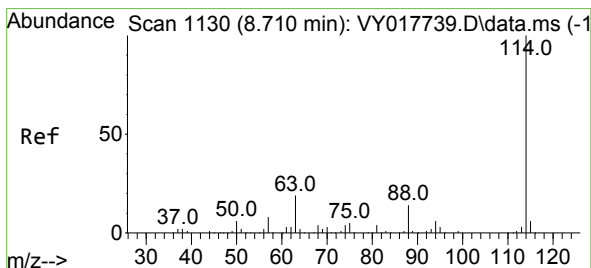
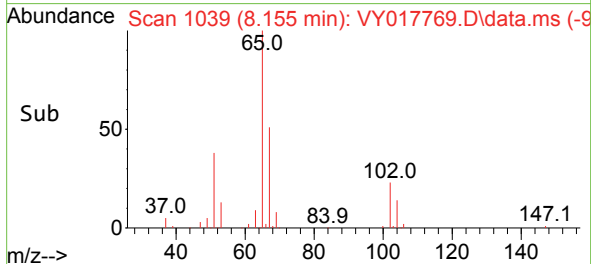
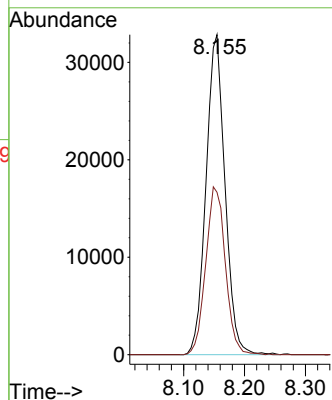
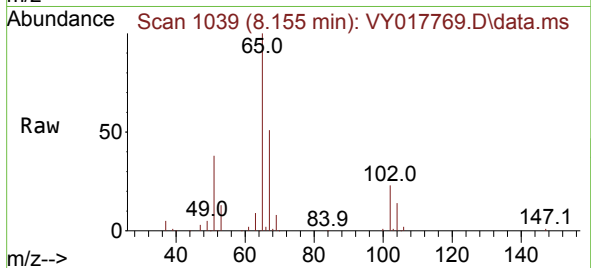
EXTRA-PILE

Tgt Ion: 65 Resp: 71031

Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY017769.D

Acq: 26 Mar 2024 15:00

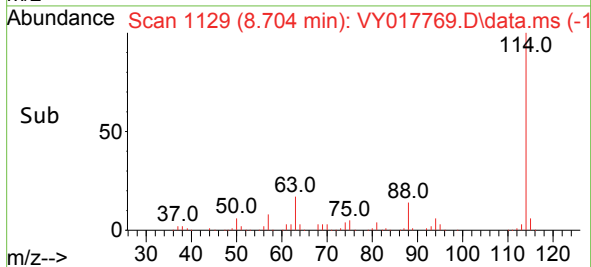
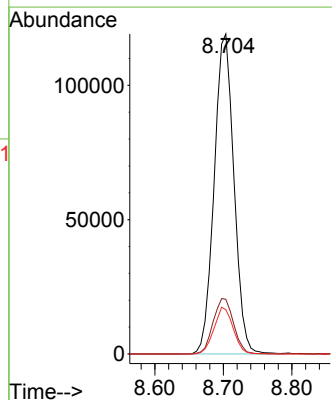
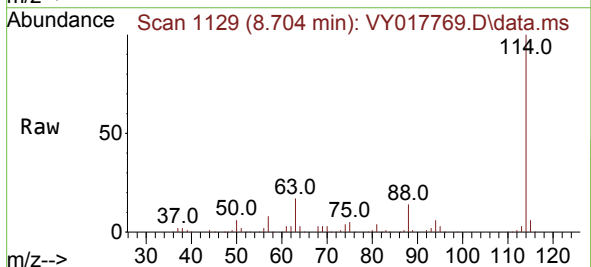
Tgt Ion:114 Resp: 237723

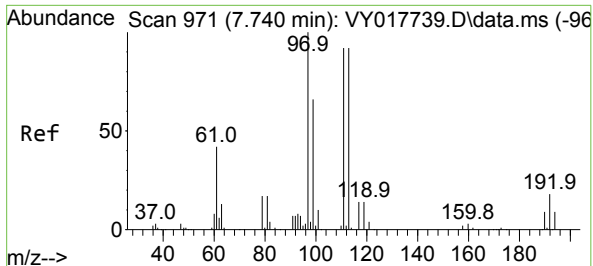
Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

88 13.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 54.694 ug/l

RT: 7.728 min Scan# 9

Delta R.T. -0.012 min

Lab File: VY017769.D

Acq: 26 Mar 2024 15:00

Instrument :

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ClientSampleId :

EXTRA-PILE

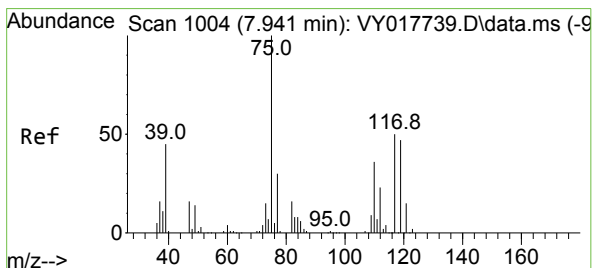
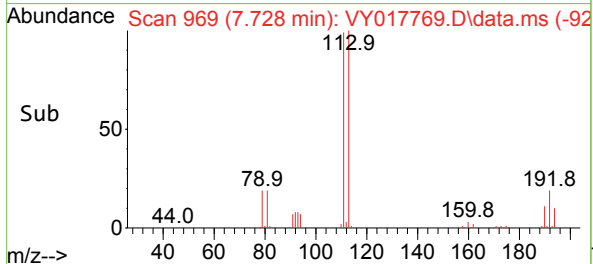
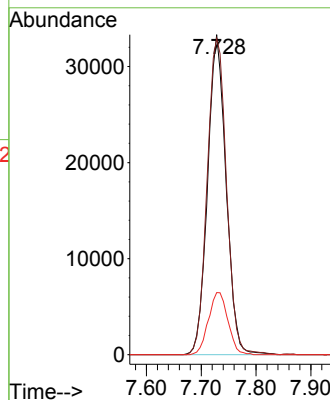
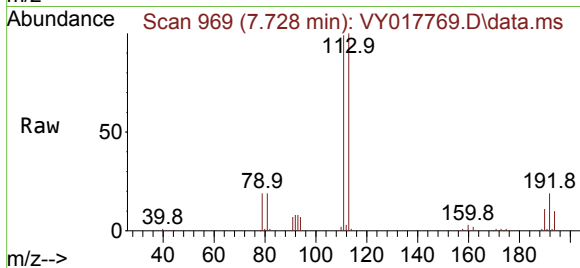
Tgt Ion:113 Resp: 77720

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 20.5 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.216 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY017769.D

Acq: 26 Mar 2024 15:00

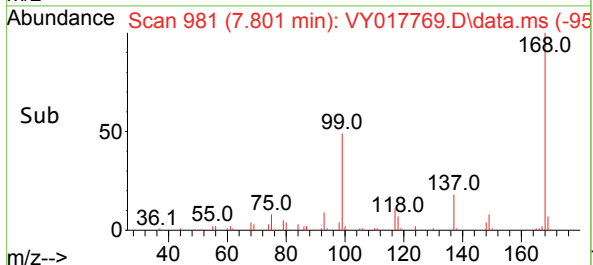
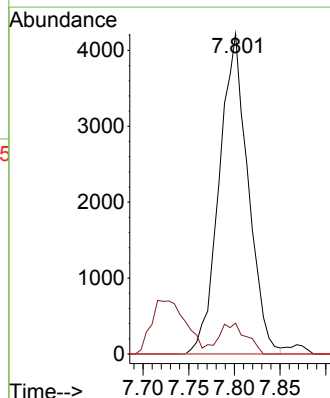
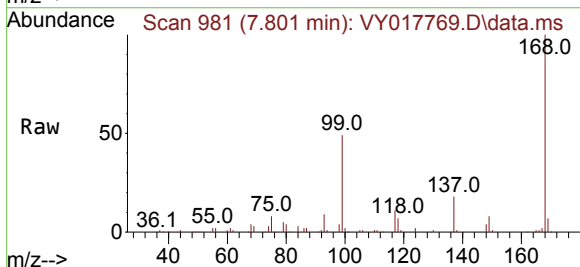
Tgt Ion: 75 Resp: 9256

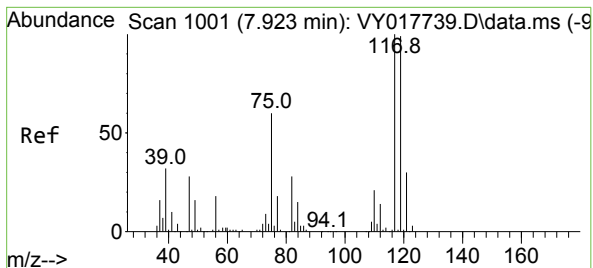
Ion Ratio Lower Upper

75 100

110 8.4 19.0 57.0#

77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.322 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY017769.D

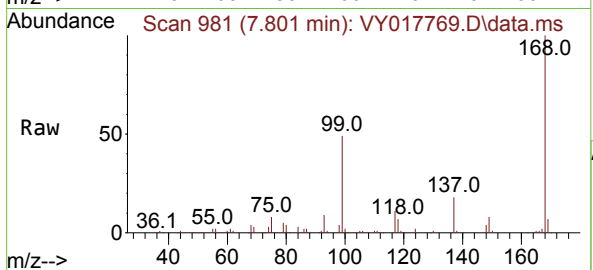
Acq: 26 Mar 2024 15:00

Instrument :

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EXTRA-PILE



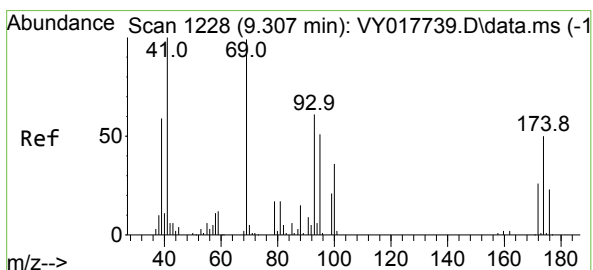
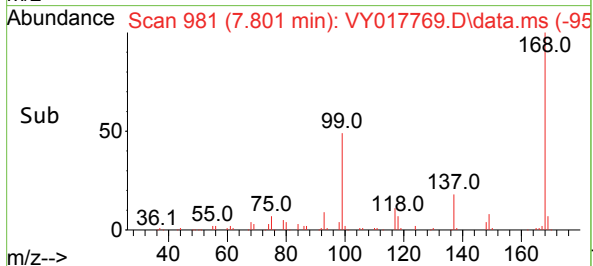
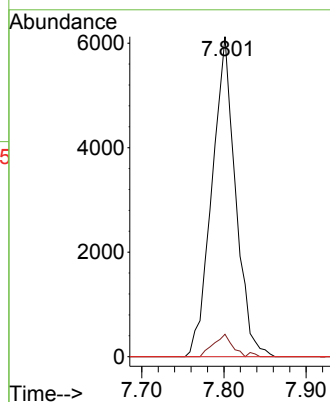
Tgt Ion:117 Resp: 12233

Ion Ratio Lower Upper

117 100

119 7.0 75.8 113.6#

121 0.0 24.0 36.0#



#48

Methyl methacrylate

Concen: 1.299 ug/l

RT: 9.496 min Scan# 1259

Delta R.T. 0.189 min

Lab File: VY017769.D

Acq: 26 Mar 2024 15:00

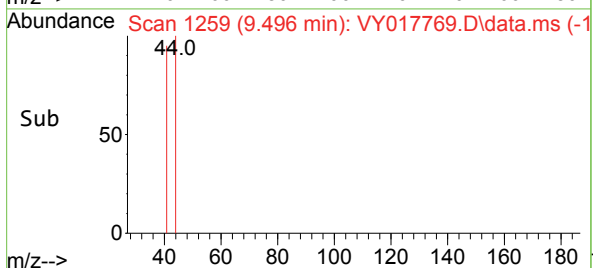
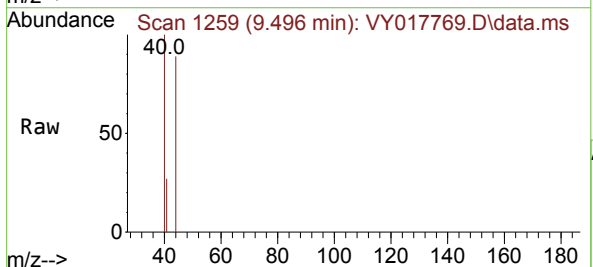
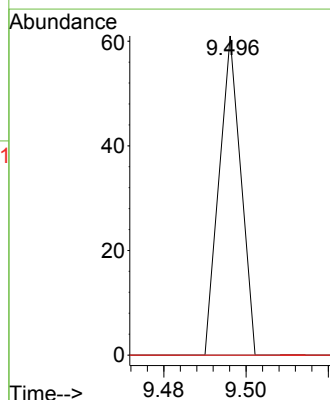
Tgt Ion: 41 Resp: 22

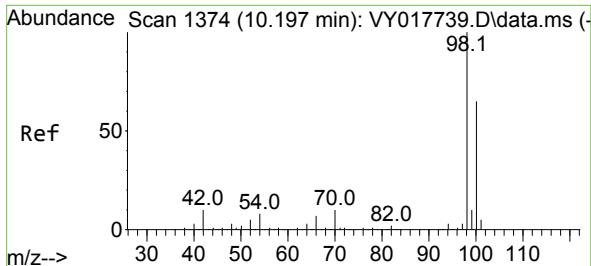
Ion Ratio Lower Upper

41 100

69 0.0 84.1 126.1#

39 0.0 43.6 65.4#





#50

Toluene-d8

Concen: 51.071 ug/l

RT: 10.191 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017769.D

Acq: 26 Mar 2024 15:00

Instrument :

MSVOA_Y

ClientSampleId :

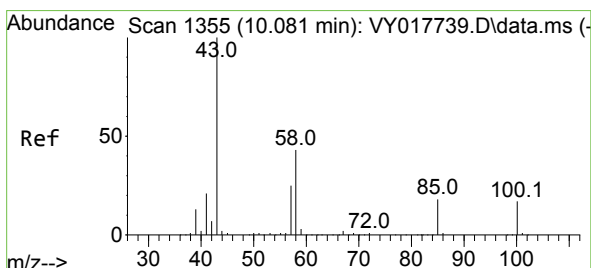
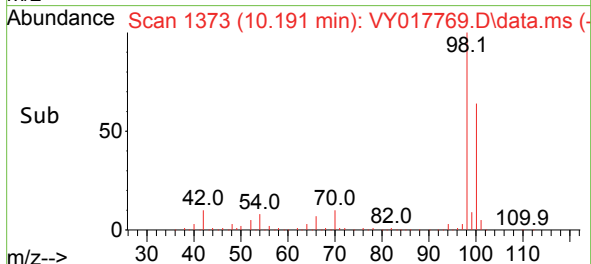
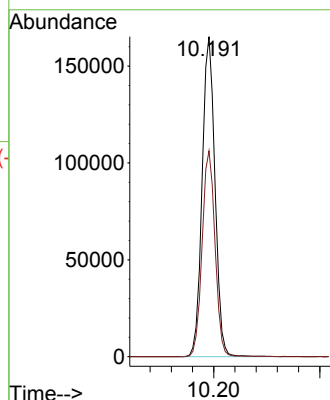
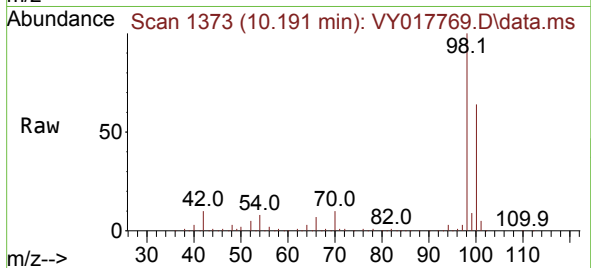
EXTRA-PILE

Tgt Ion: 98 Resp: 277749

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 5.952 ug/l

RT: 10.075 min Scan# 1354

Delta R.T. -0.006 min

Lab File: VY017769.D

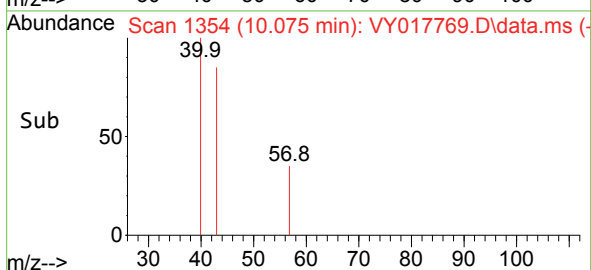
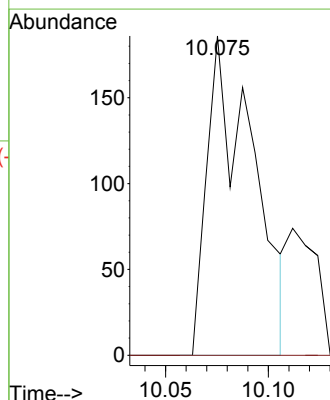
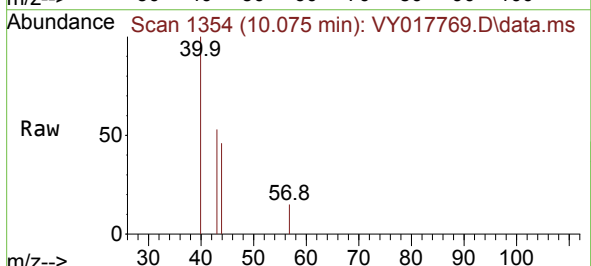
Acq: 26 Mar 2024 15:00

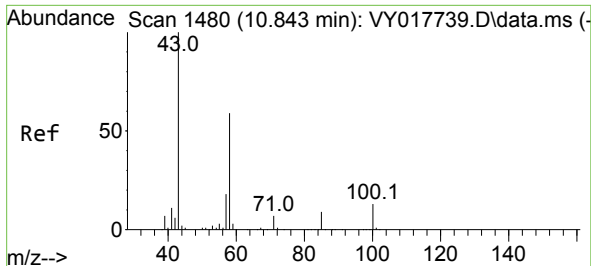
Tgt Ion: 43 Resp: 286

Ion Ratio Lower Upper

43 100

58 0.0 35.7 53.5#

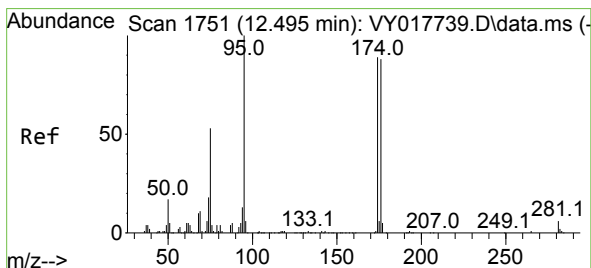
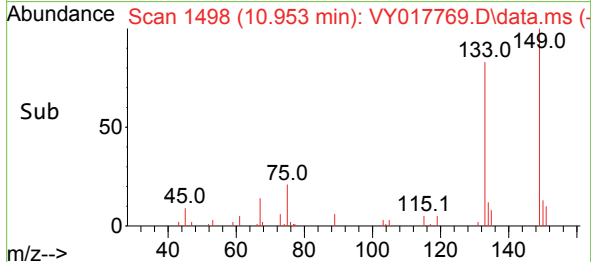
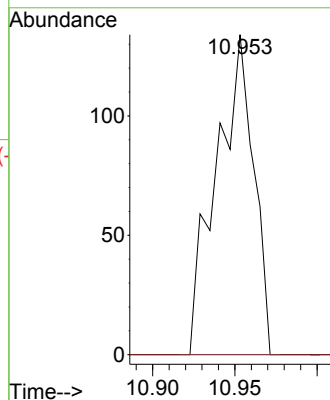
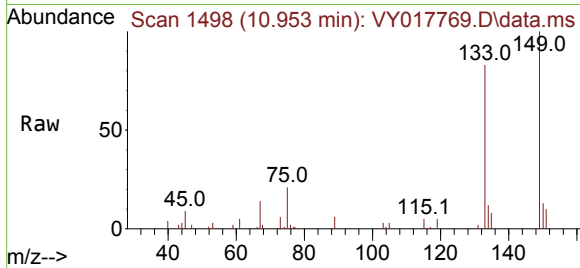




#59
2-Hexanone
Concen: 9.806 ug/l
RT: 10.953 min Scan# 1480
Delta R.T. 0.110 min
Lab File: VY017769.D
Acq: 26 Mar 2024 15:00

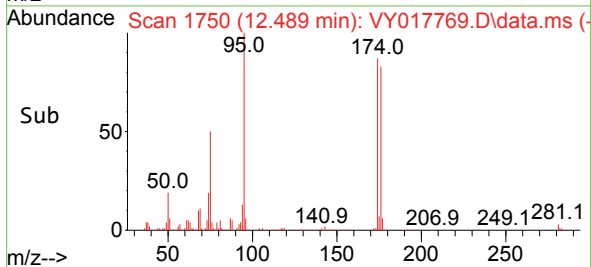
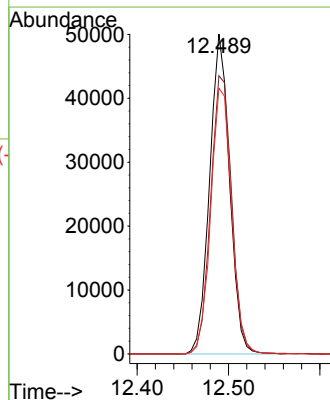
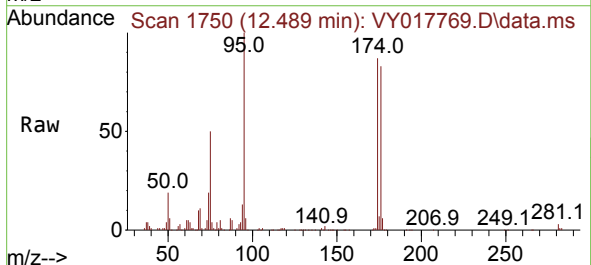
Instrument :
MSVOA_Y
ClientSampleId :
EXTRA-PILE

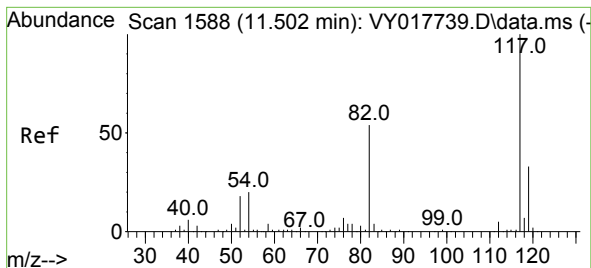
Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 46.521 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.006 min
Lab File: VY017769.D
Acq: 26 Mar 2024 15:00

Tgt Ion: 95 Resp: 75972
Ion Ratio Lower Upper
95 100
174 91.8 0.0 175.6
176 87.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017769.D

Acq: 26 Mar 2024 15:00

Instrument :

MSVOA_Y

ClientSampleId :

EXTRA-PILE

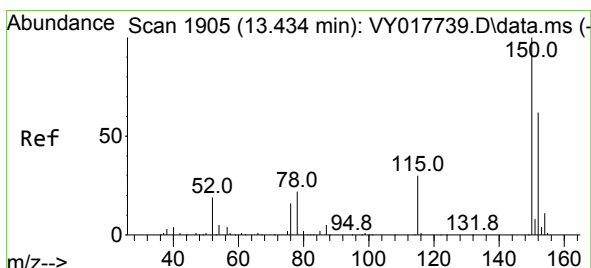
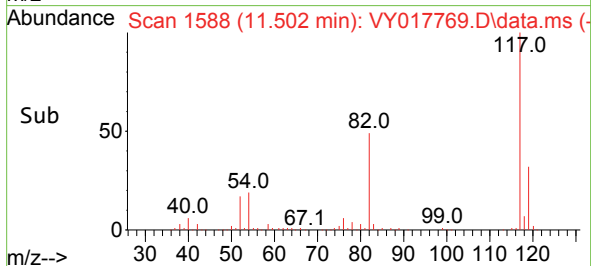
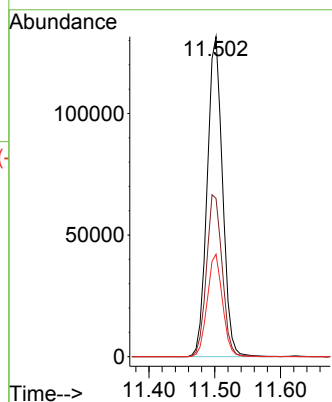
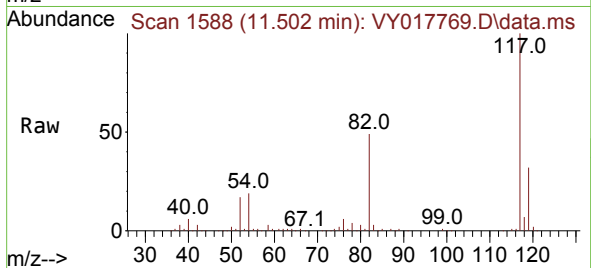
Tgt Ion:117 Resp: 213667

Ion Ratio Lower Upper

117 100

82 49.5 42.4 63.6

119 32.0 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017769.D

Acq: 26 Mar 2024 15:00

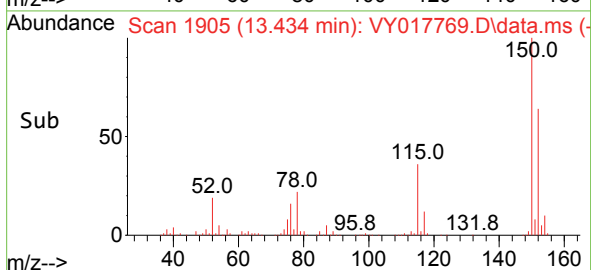
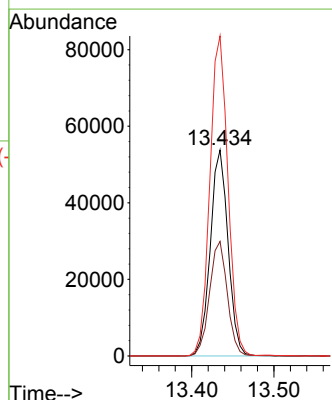
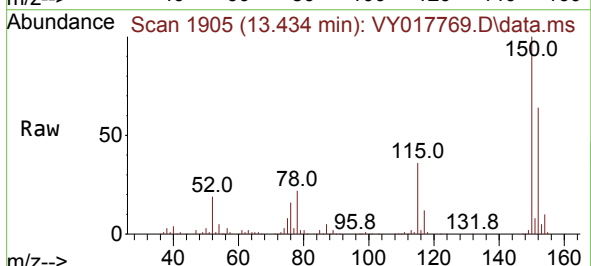
Tgt Ion:152 Resp: 80790

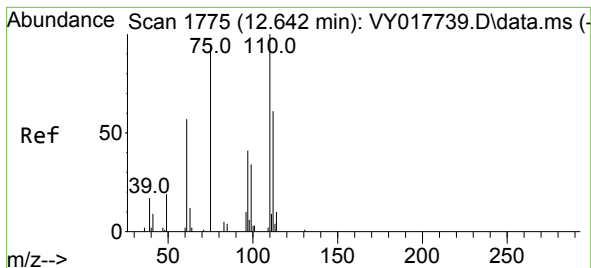
Ion Ratio Lower Upper

152 100

115 55.9 28.2 84.7

150 157.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 53.546 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017769.D

Acq: 26 Mar 2024 15:00

Instrument :

MSVOA_Y

ClientSampleId :

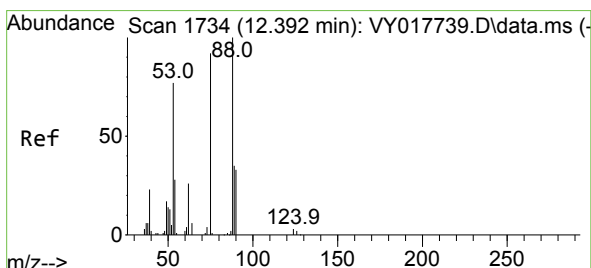
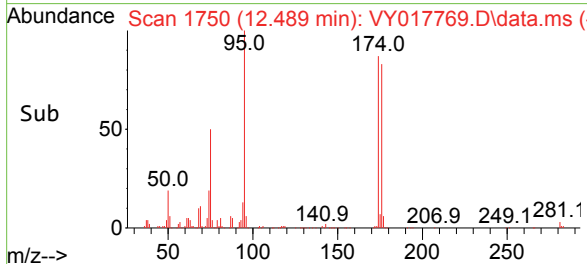
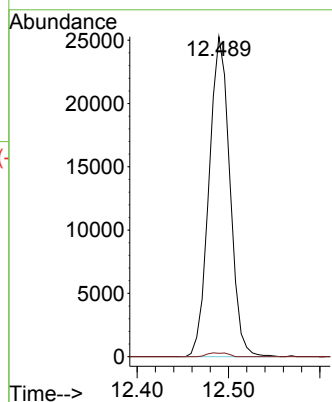
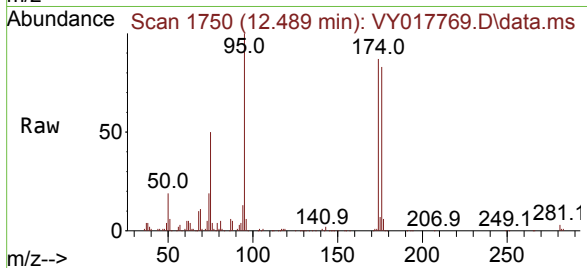
EXTRA-PILE

Tgt Ion: 75 Resp: 39948

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.729 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.098 min

Lab File: VY017769.D

Acq: 26 Mar 2024 15:00

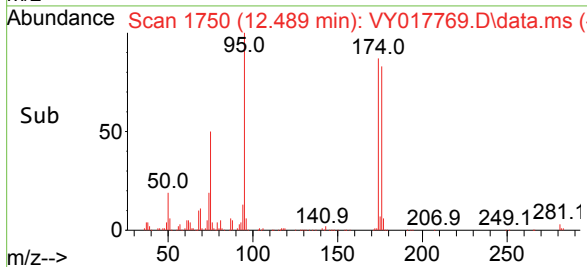
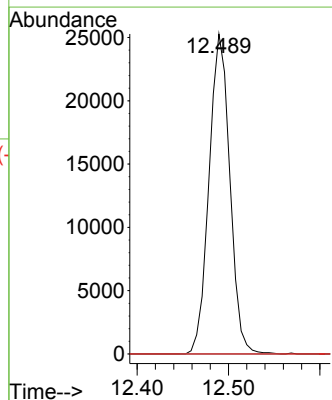
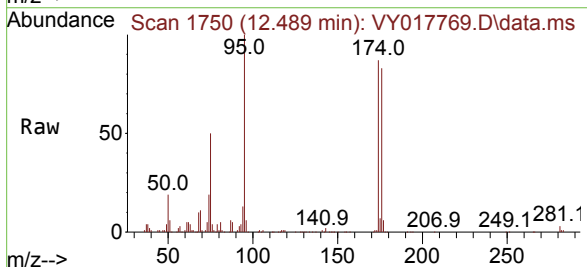
Tgt Ion: 75 Resp: 39948

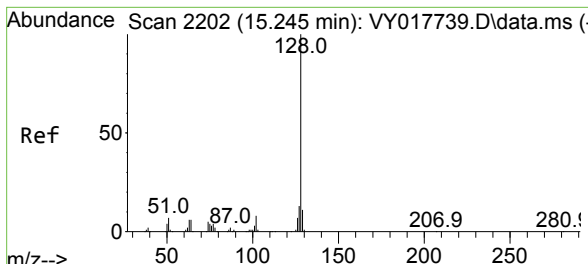
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

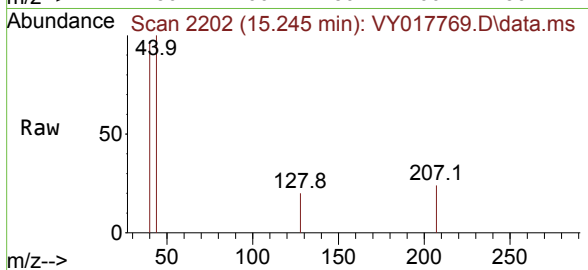
89 0.0 35.8 53.6#





#95
 Naphthalene
 Concen: 2.627 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY017769.D
 Acq: 26 Mar 2024 15:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 EXTRA-PILE



Tgt Ion:	128	Resp:	41
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

