

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040224\
 Data File : VY017817.D
 Acq On : 02 Apr 2024 11:25
 Operator : SY/MD
 Sample : P1945-02
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SEW-11

Quant Time: Apr 03 02:03:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

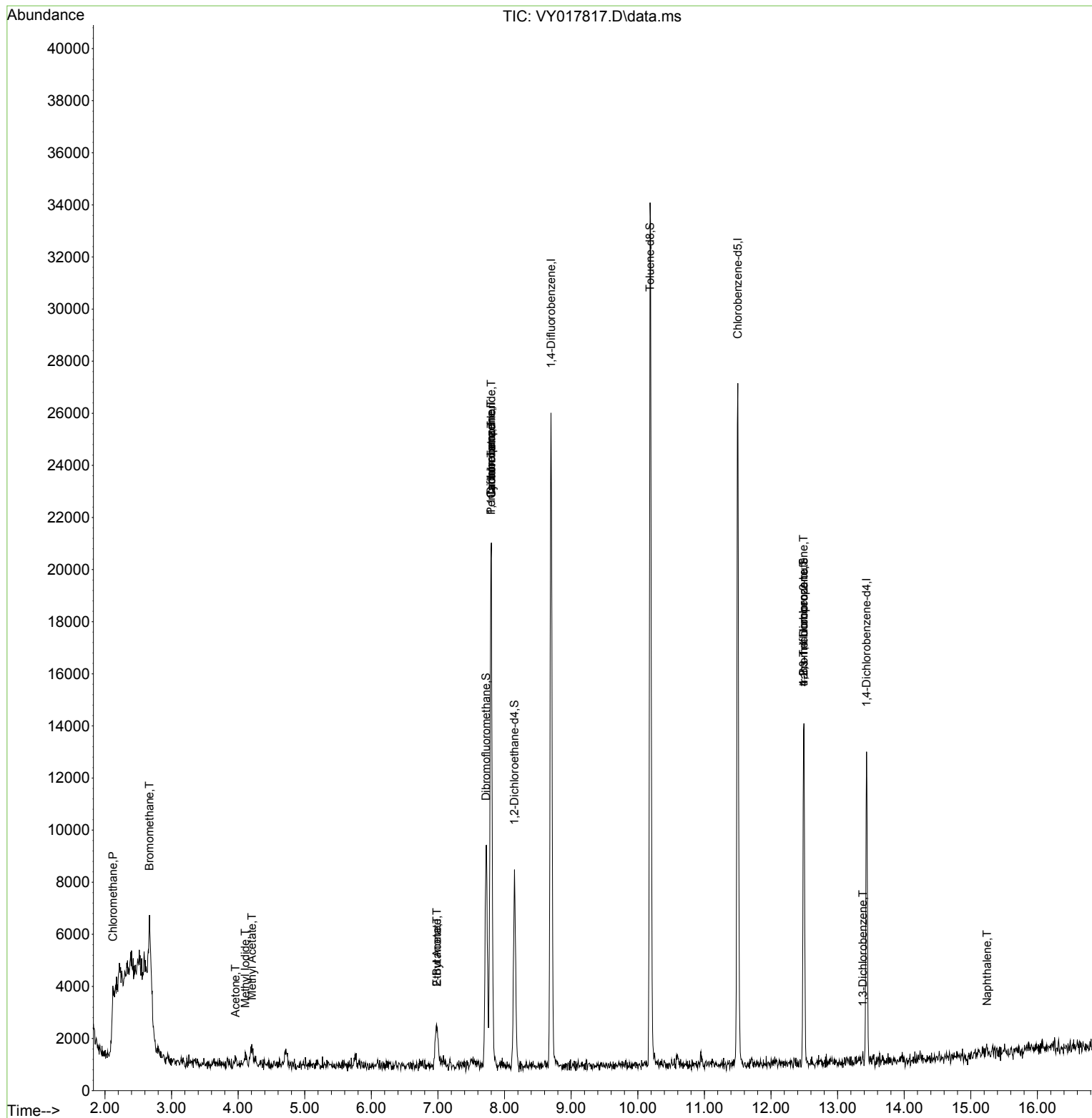
Internal Standards						
1) Pentafluorobenzene	7.795	168	16660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	22242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	15265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	3309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	5895	40.891	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.780%		
35) Dibromofluoromethane	7.722	113	6369	49.555	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.100%		
50) Toluene-d8	10.185	98	23493	48.934	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.860%		
62) 4-Bromofluorobenzene	12.489	95	3902	26.714	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	53.420%		
Target Compounds						Qvalue
3) Chloromethane	2.119	50	474	2.180	ug/l #	88
5) Bromomethane	2.668	94	1056	4.596	ug/l	99
10) Methyl Iodide	4.107	142	710	3.928	ug/l #	72
16) Acetone	3.960	43	437	14.664	ug/l #	36
18) Methyl Acetate	4.204	43	216	3.272	ug/l #	46
20) Methylene Chloride	4.716	84	469	Below Cal	#	66
25) 2-Butanone	6.984	43	164	3.863	ug/l #	41
31) Cyclohexane	7.801	56	277	1.091	ug/l #	70
36) 1,1-Dichloropropene	7.795	75	1219	6.500	ug/l #	45
37) Ethyl Acetate	6.984	43	164	2.027	ug/l #	67
38) Carbon Tetrachloride	7.801	117	1600	8.219	ug/l #	13
51) 4-Methyl-2-Pentanone	10.094	43	97	Below Cal	#	31
70) Styrene	12.057	104	41	Below Cal	#	27
76) 1,2,3-Trichloropropane	12.489	75	2070	68.649	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	2070	126.616	ug/l #	16
87) 1,3-Dichlorobenzene	13.380	146	119	1.086	ug/l #	25
95) Naphthalene	15.245	128	194	3.587	ug/l #	69

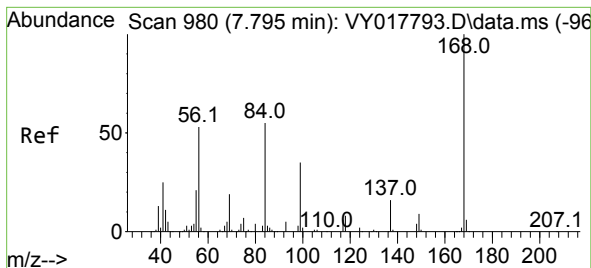
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 30 05:58:13 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 99

Delta R.T. 0.000 min

Lab File: VY017817.D

Acq: 02 Apr 2024 11:25

Instrument :

MSVOA_Y

ClientSampleId :

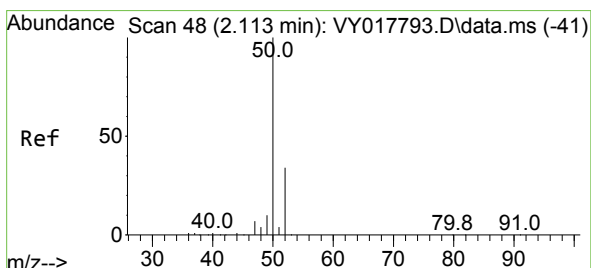
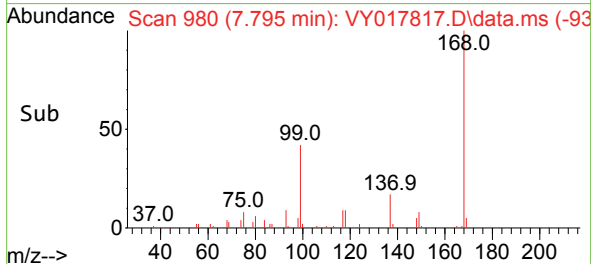
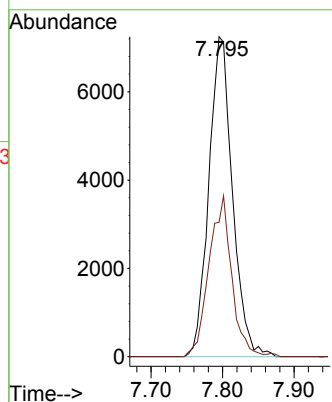
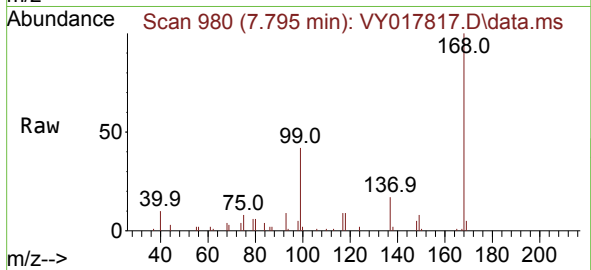
SEW-11

Tgt Ion:168 Resp: 16660

Ion Ratio Lower Upper

168 100

99 42.0 39.1 58.7



#3

Chloromethane

Concen: 2.180 ug/l

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY017817.D

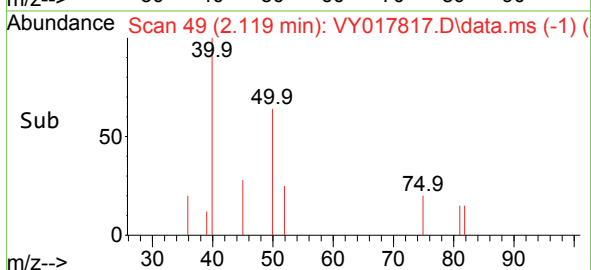
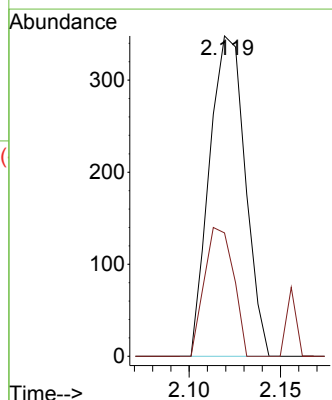
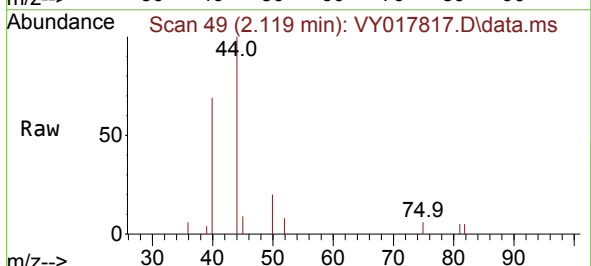
Acq: 02 Apr 2024 11:25

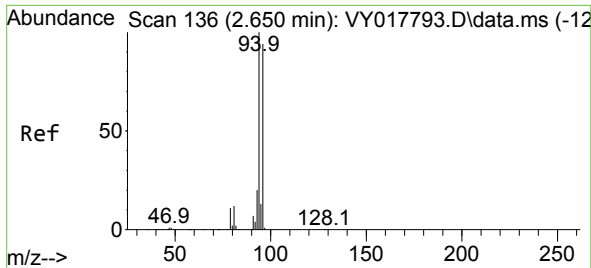
Tgt Ion: 50 Resp: 474

Ion Ratio Lower Upper

50 100

52 38.5 25.6 38.4#

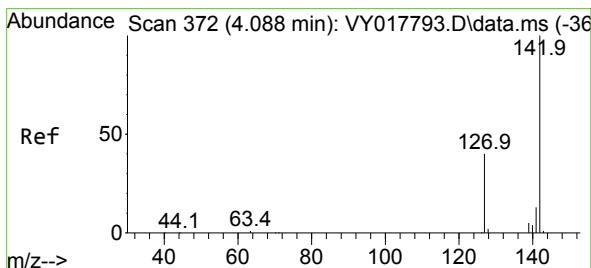
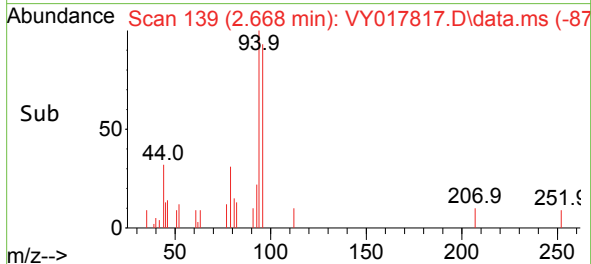
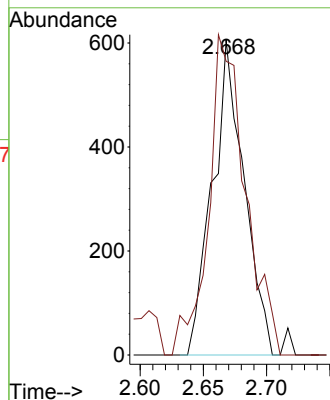
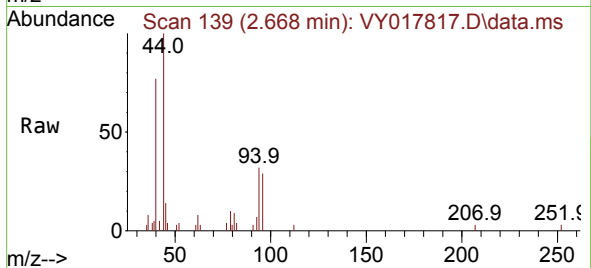




#5
Bromomethane
Concen: 4.596 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY017817.D
Acq: 02 Apr 2024 11:25

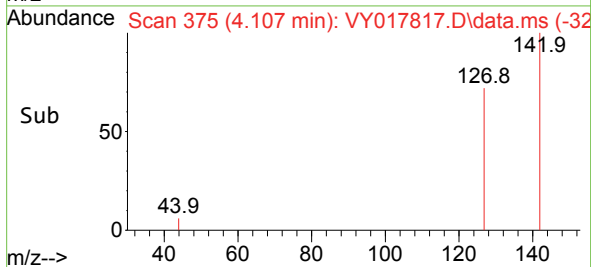
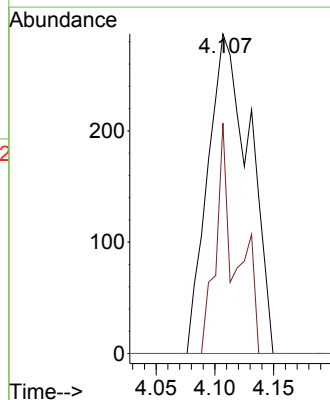
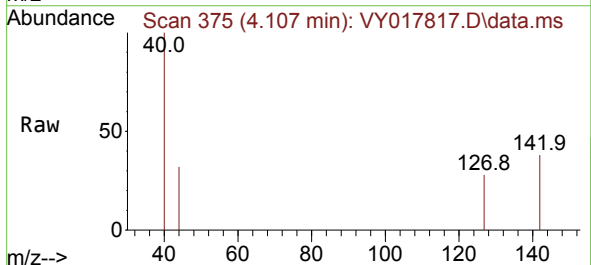
Instrument :
MSVOA_Y
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SEW-11

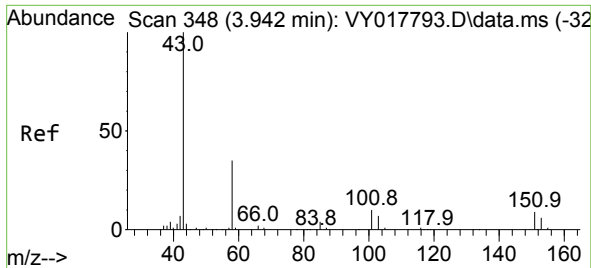
Tgt Ion: 94 Resp: 1056
Ion Ratio Lower Upper
94 100
96 93.2 74.1 111.1



#10
Methyl Iodide
Concen: 3.928 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY017817.D
Acq: 02 Apr 2024 11:25

Tgt Ion: 142 Resp: 710
Ion Ratio Lower Upper
142 100
127 24.8 32.8 49.2#
141 0.0 11.4 17.2#

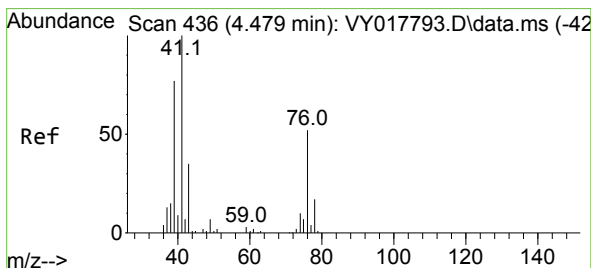
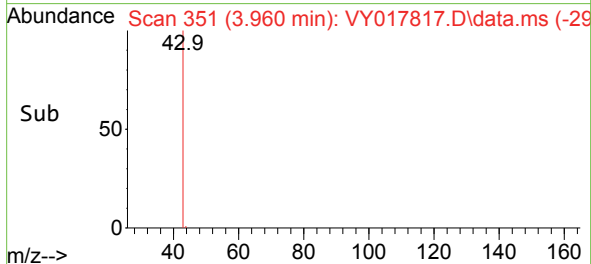
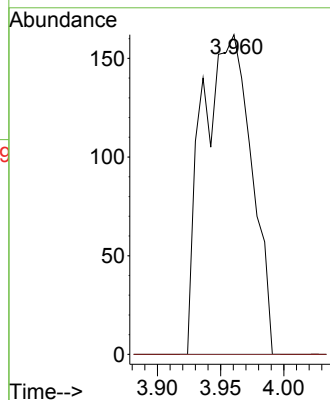
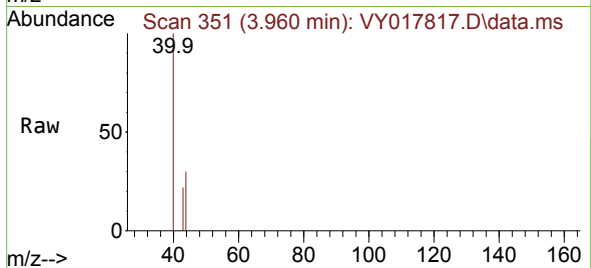




#16
Acetone
Concen: 14.664 ug/l
RT: 3.960 min Scan# 311
Delta R.T. 0.018 min
Lab File: VY017817.D
Acq: 02 Apr 2024 11:25

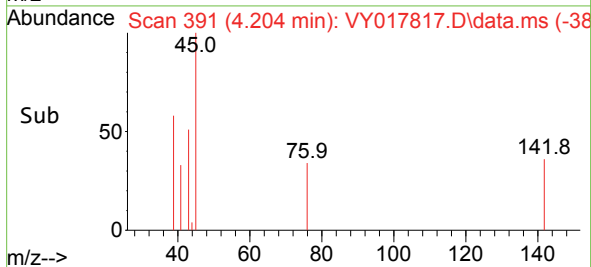
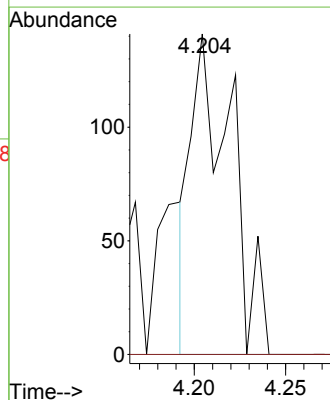
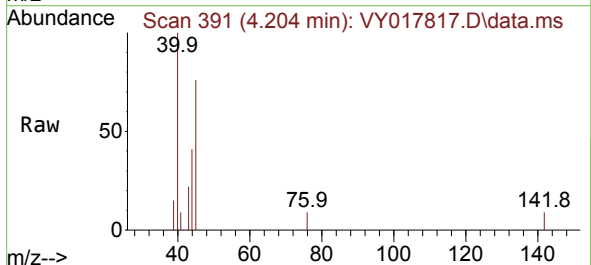
Instrument :
MSVOA_Y
ClientSampleId :
SEW-11

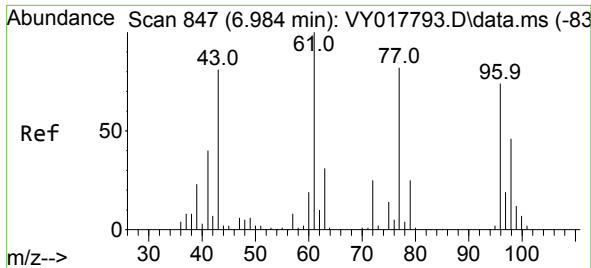
Tgt Ion: 43 Resp: 437
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#18
Methyl Acetate
Concen: 3.272 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.274 min
Lab File: VY017817.D
Acq: 02 Apr 2024 11:25

Tgt Ion: 43 Resp: 216
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#





#25

2-Butanone

Concen: 3.863 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY017817.D

Acq: 02 Apr 2024 11:25

Instrument :

MSVOA_Y

ClientSampleId :

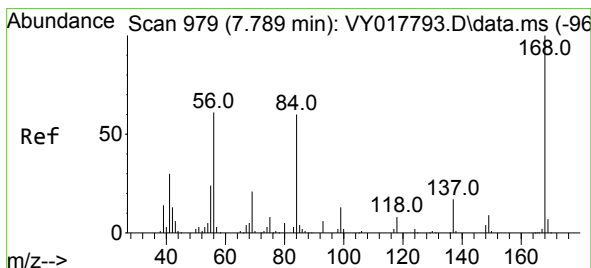
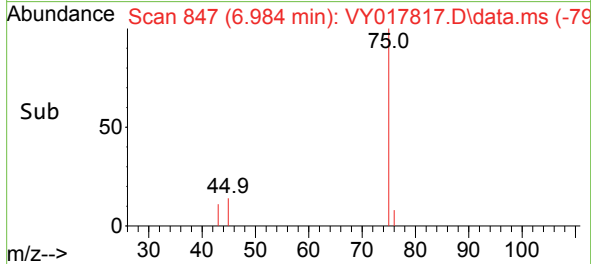
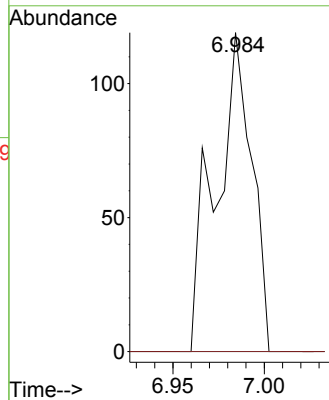
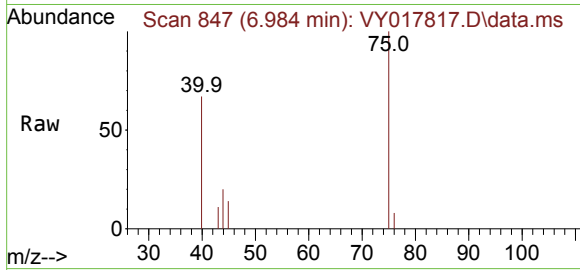
SEW-11

Tgt Ion: 43 Resp: 164

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.091 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY017817.D

Acq: 02 Apr 2024 11:25

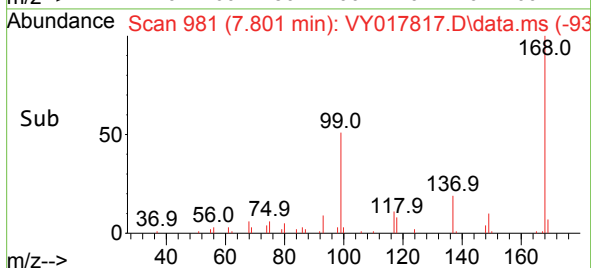
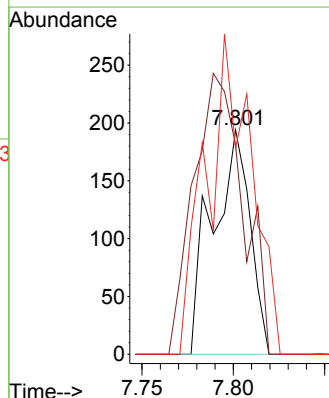
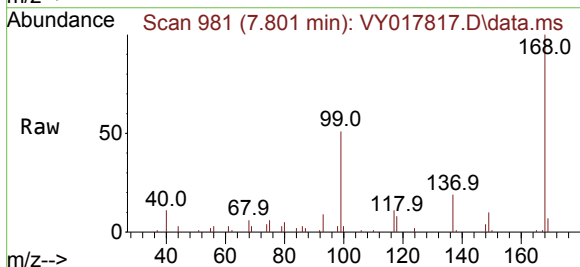
Tgt Ion: 56 Resp: 277

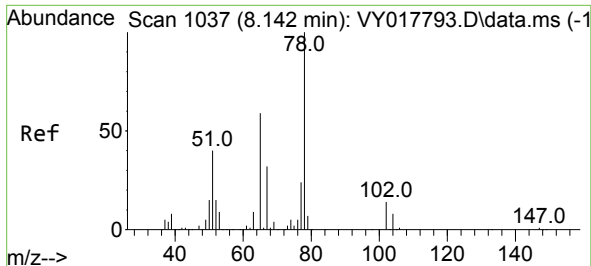
Ion Ratio Lower Upper

56 100

69 93.3 28.7 43.1#

84 91.8 77.7 116.5

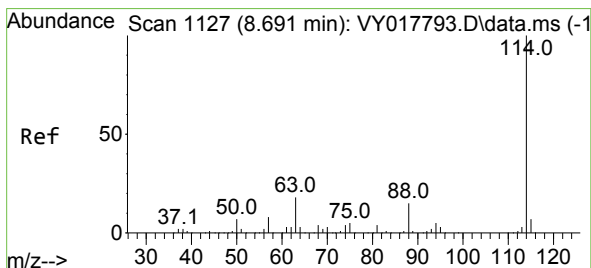
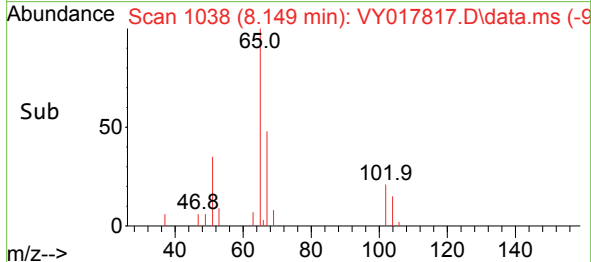
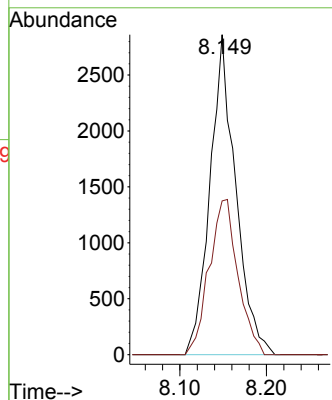
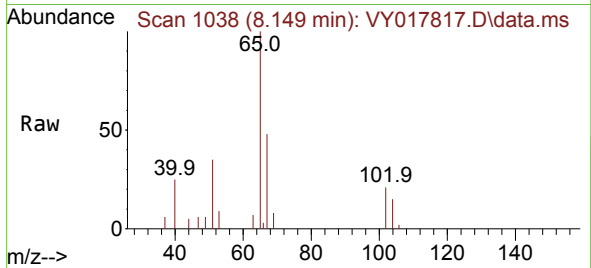




#33
1,2-Dichloroethane-d4
Concen: 40.891 ug/l
RT: 8.149 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY017817.D
Acq: 02 Apr 2024 11:25

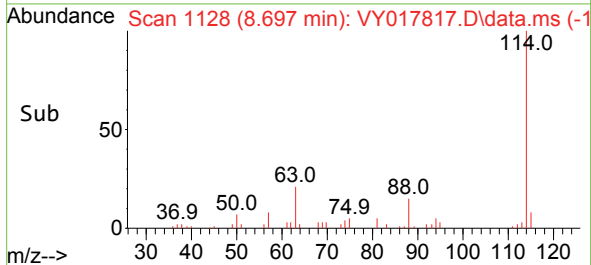
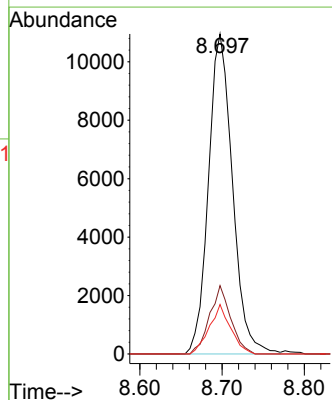
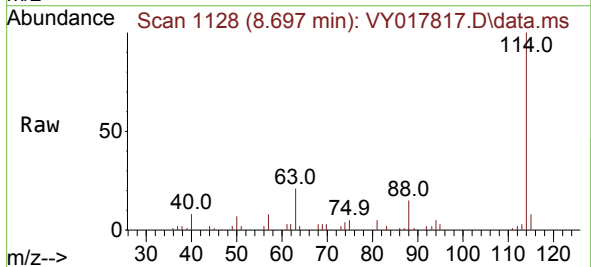
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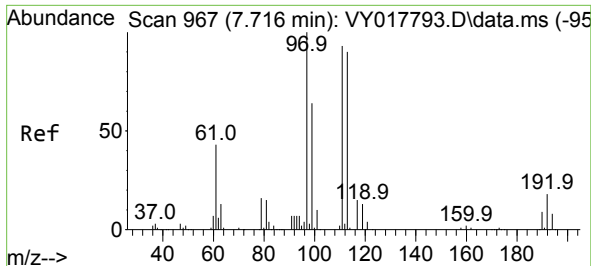
Tgt Ion: 65 Resp: 5895
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY017817.D
Acq: 02 Apr 2024 11:25

Tgt Ion: 114 Resp: 22242
Ion Ratio Lower Upper
114 100
63 21.3 0.0 35.0
88 15.4 0.0 27.2

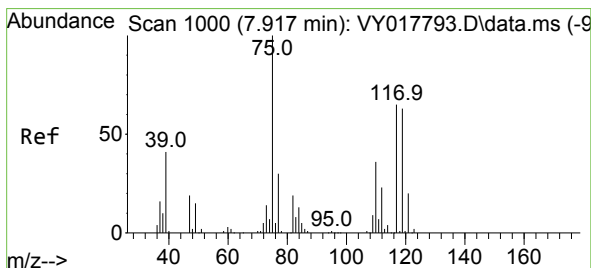
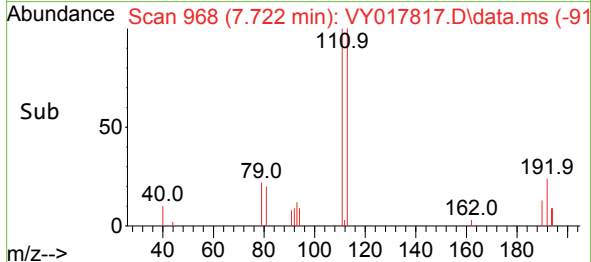
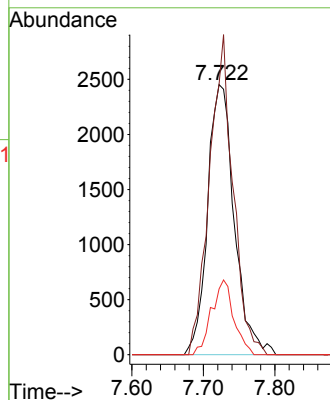
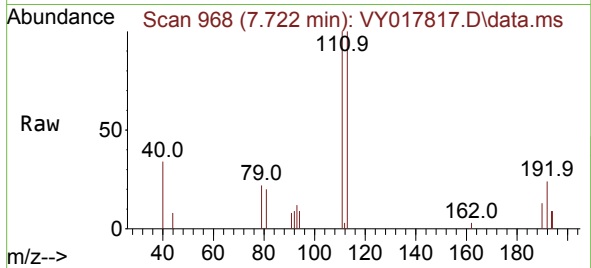




#35
Dibromofluoromethane
Concen: 49.555 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY017817.D
Acq: 02 Apr 2024 11:25

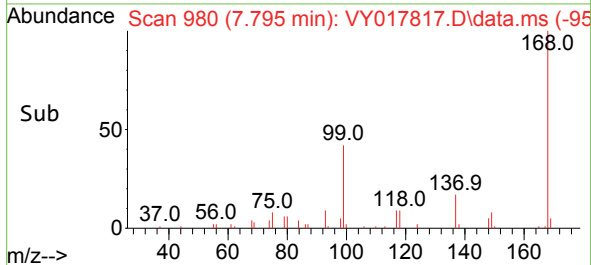
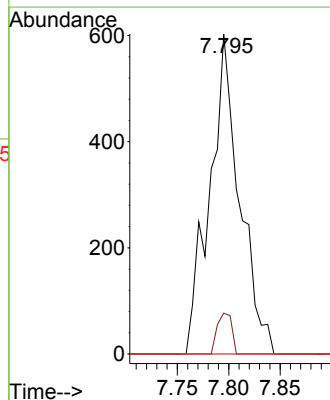
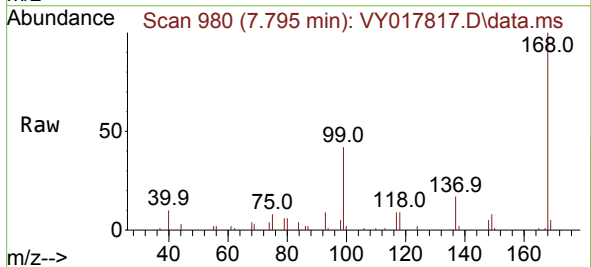
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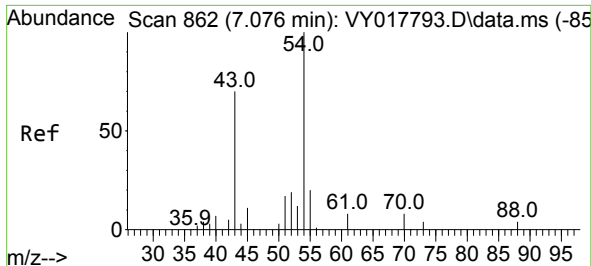
Tgt Ion:113 Resp: 6369
Ion Ratio Lower Upper
113 100
111 104.7 82.2 123.4
192 23.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 6.500 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017817.D
Acq: 02 Apr 2024 11:25

Tgt Ion: 75 Resp: 1219
Ion Ratio Lower Upper
75 100
110 6.2 19.0 57.0#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 2.027 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY017817.D

Acq: 02 Apr 2024 11:25

Instrument :

MSVOA_Y

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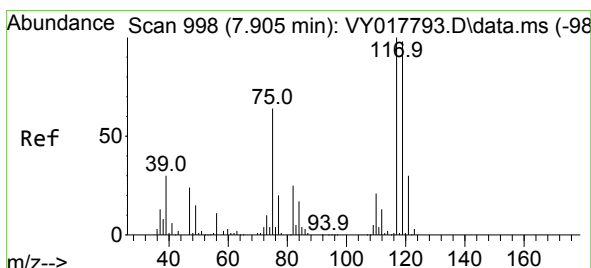
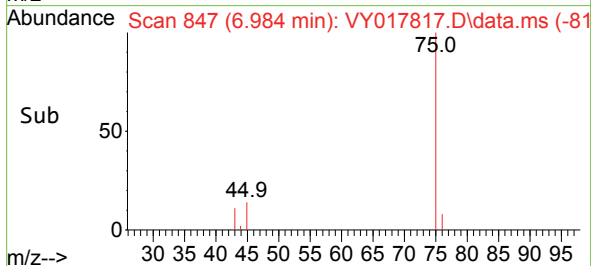
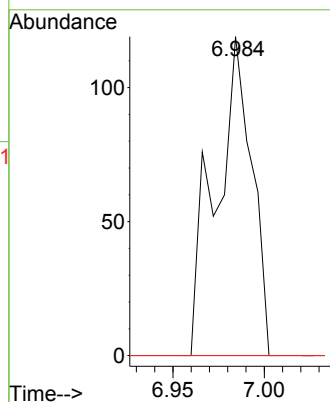
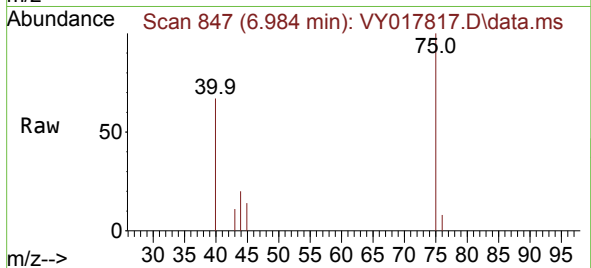
Tgt Ion: 43 Resp: 164

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 8.219 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.103 min

Lab File: VY017817.D

Acq: 02 Apr 2024 11:25

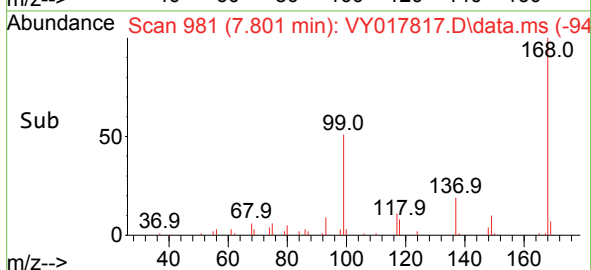
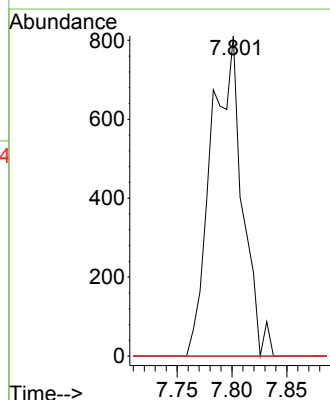
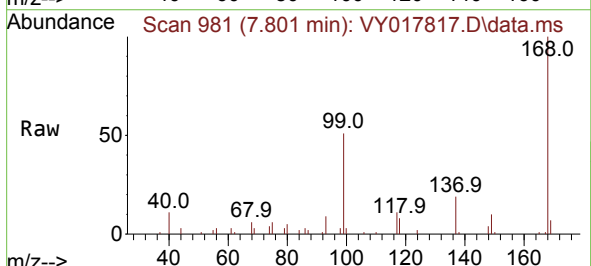
Tgt Ion: 117 Resp: 1600

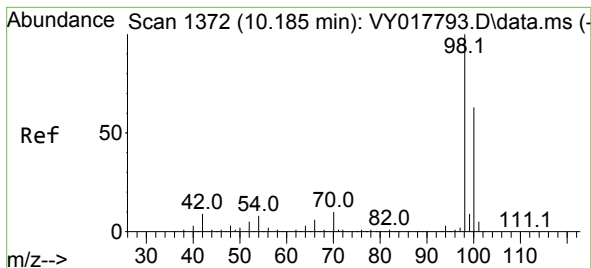
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 48.934 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY017817.D

Acq: 02 Apr 2024 11:25

Instrument :

MSVOA_Y

ClientSampleId :

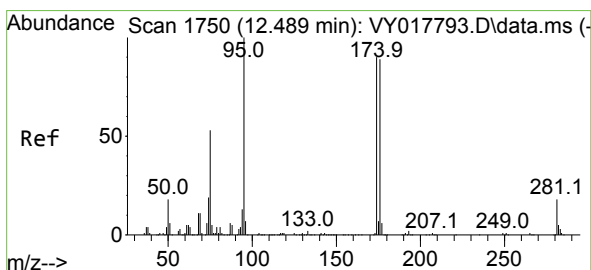
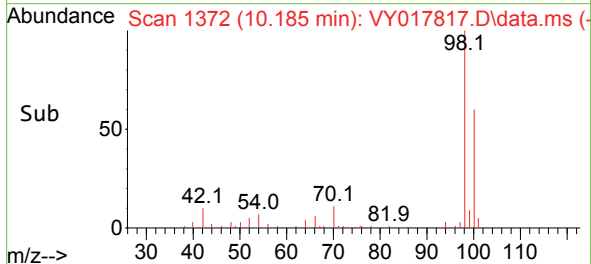
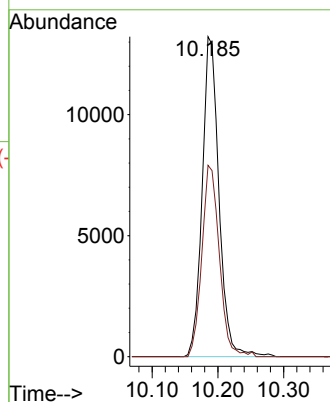
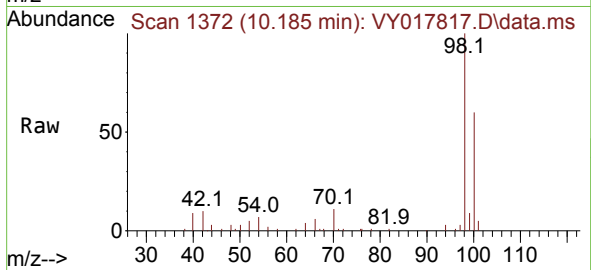
SEW-11

Tgt Ion: 98 Resp: 23493

Ion Ratio Lower Upper

98 100

100 62.4 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 26.714 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY017817.D

Acq: 02 Apr 2024 11:25

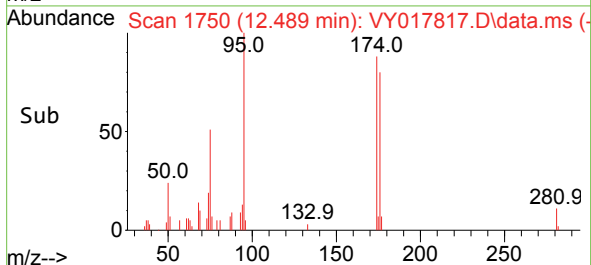
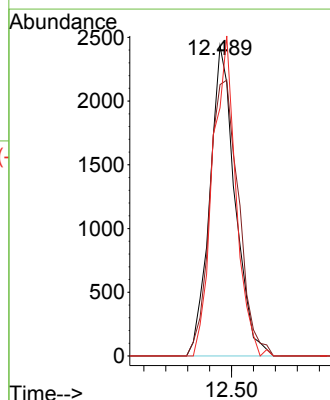
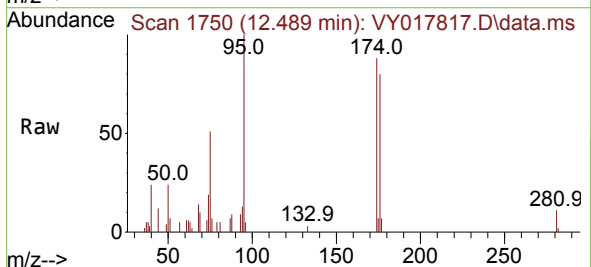
Tgt Ion: 95 Resp: 3902

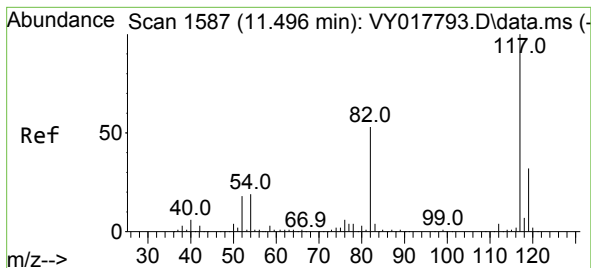
Ion Ratio Lower Upper

95 100

174 101.8 0.0 175.6

176 94.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017817.D

Acq: 02 Apr 2024 11:25

Instrument :

MSVOA_Y

ClientSampleId :

SEW-11

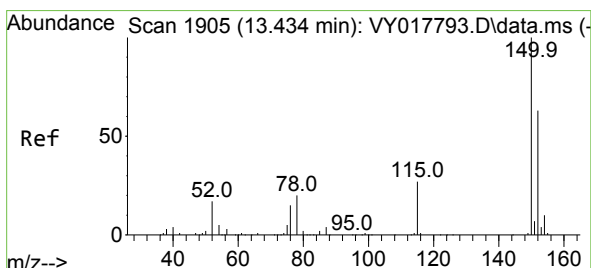
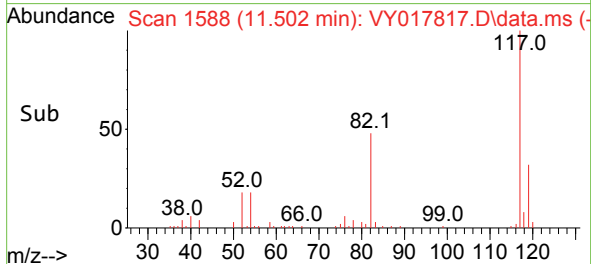
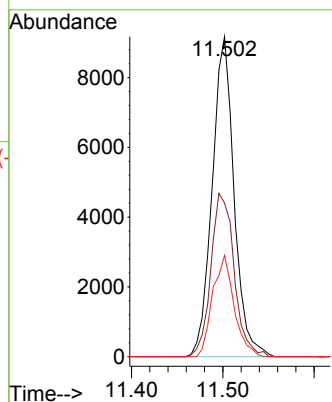
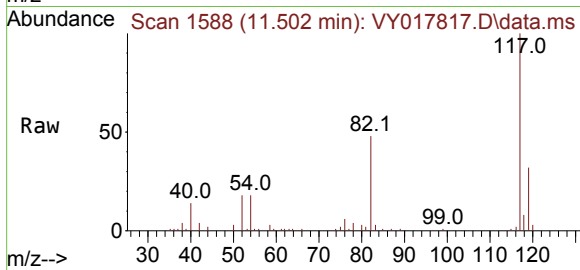
Tgt Ion:117 Resp: 15265

Ion Ratio Lower Upper

117 100

82 48.0 42.4 63.6

119 31.6 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: VY017817.D

Acq: 02 Apr 2024 11:25

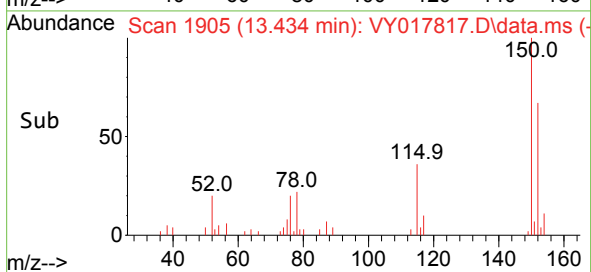
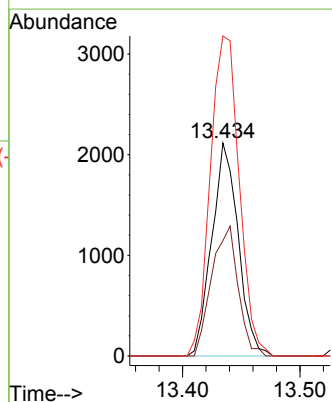
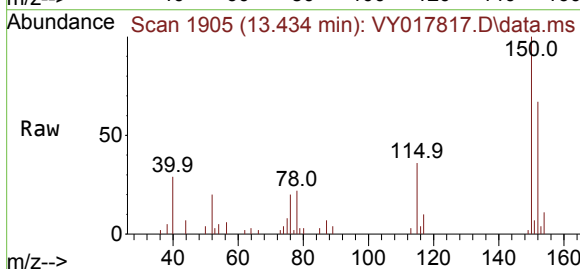
Tgt Ion:152 Resp: 3309

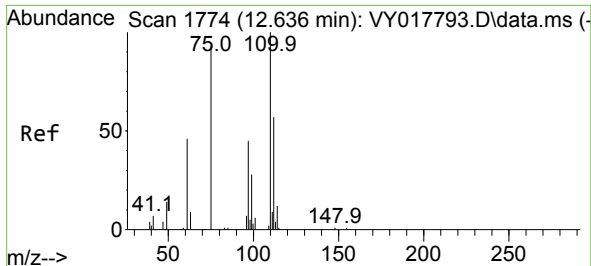
Ion Ratio Lower Upper

152 100

115 61.3 28.2 84.7

150 164.2 0.0 345.6

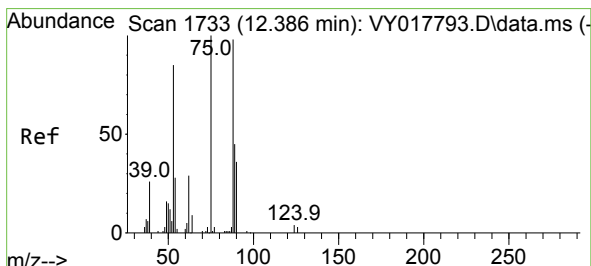
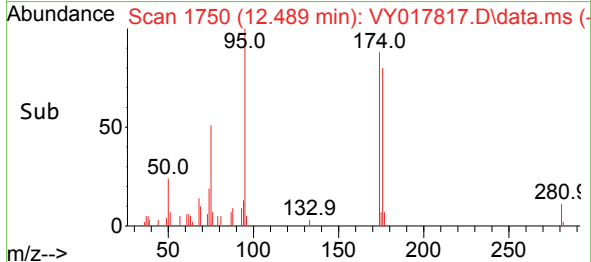
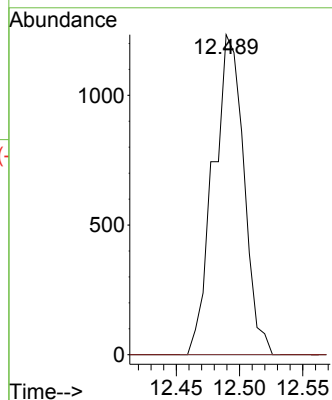
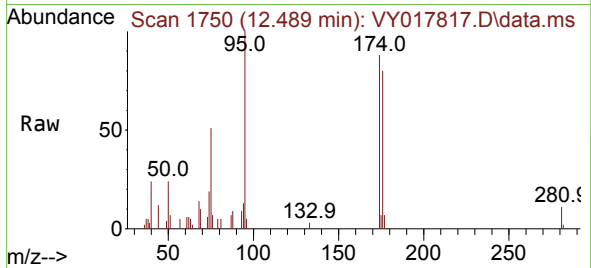




#76
1,2,3-Trichloropropane
Concen: 68.649 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY017817.D
Acq: 02 Apr 2024 11:25

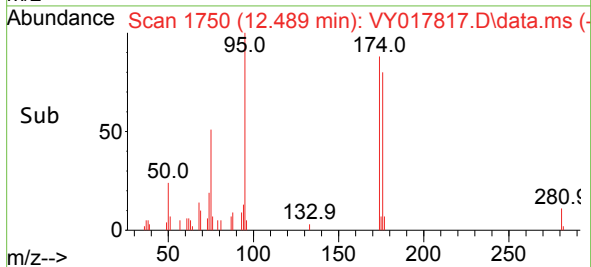
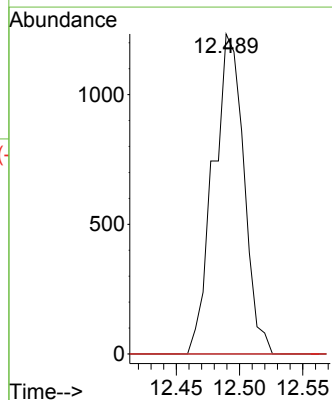
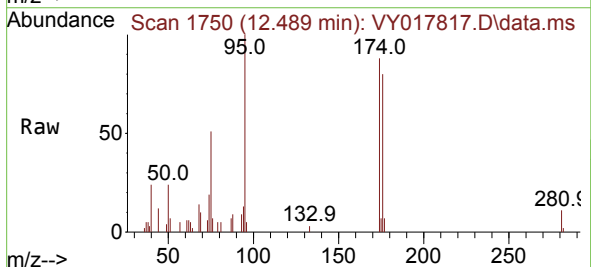
Instrument :
MSVOA_Y
ClientSampleId :
SEW-11

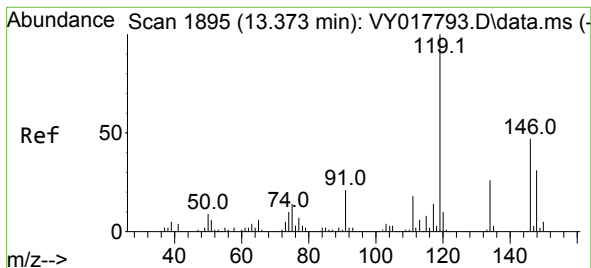
Tgt Ion: 75 Resp: 2070
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 126.616 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY017817.D
Acq: 02 Apr 2024 11:25

Tgt Ion: 75 Resp: 2070
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#87

1,3-Dichlorobenzene

Concen: 1.086 ug/l

RT: 13.380 min Scan# 119

Delta R.T. 0.006 min

Lab File: VY017817.D

Acq: 02 Apr 2024 11:25

Instrument :

MSVOA_Y

ClientSampleId :

SEW-11

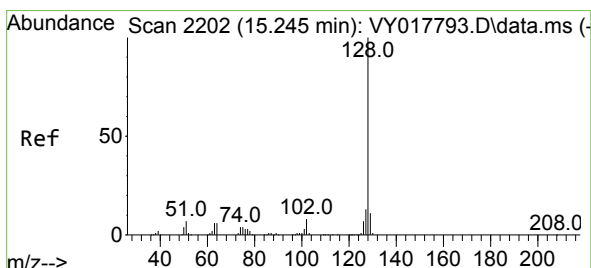
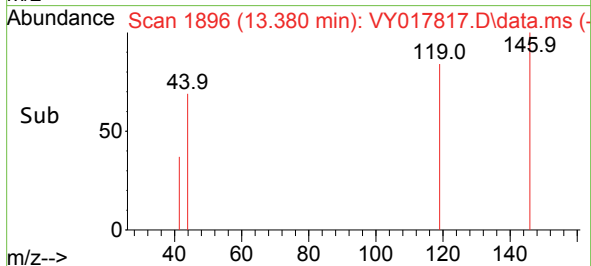
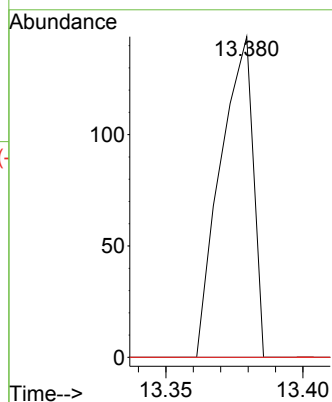
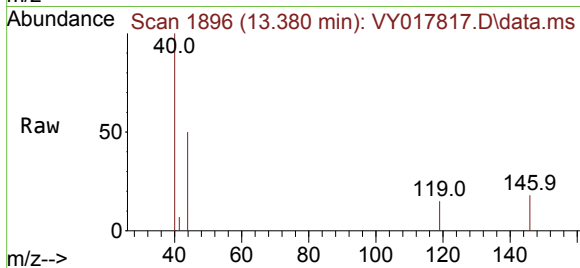
Tgt Ion:146 Resp: 119

Ion Ratio Lower Upper

146 100

111 0.0 19.0 57.0#

148 0.0 31.7 95.1#



#95

Naphthalene

Concen: 3.587 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY017817.D

Acq: 02 Apr 2024 11:25

Tgt Ion:128 Resp: 194

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

