

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040224\
 Data File : VY017818.D
 Acq On : 02 Apr 2024 12:02
 Operator : SY/MD
 Sample : P1945-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SEW-10

Quant Time: Apr 03 02:04:02 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

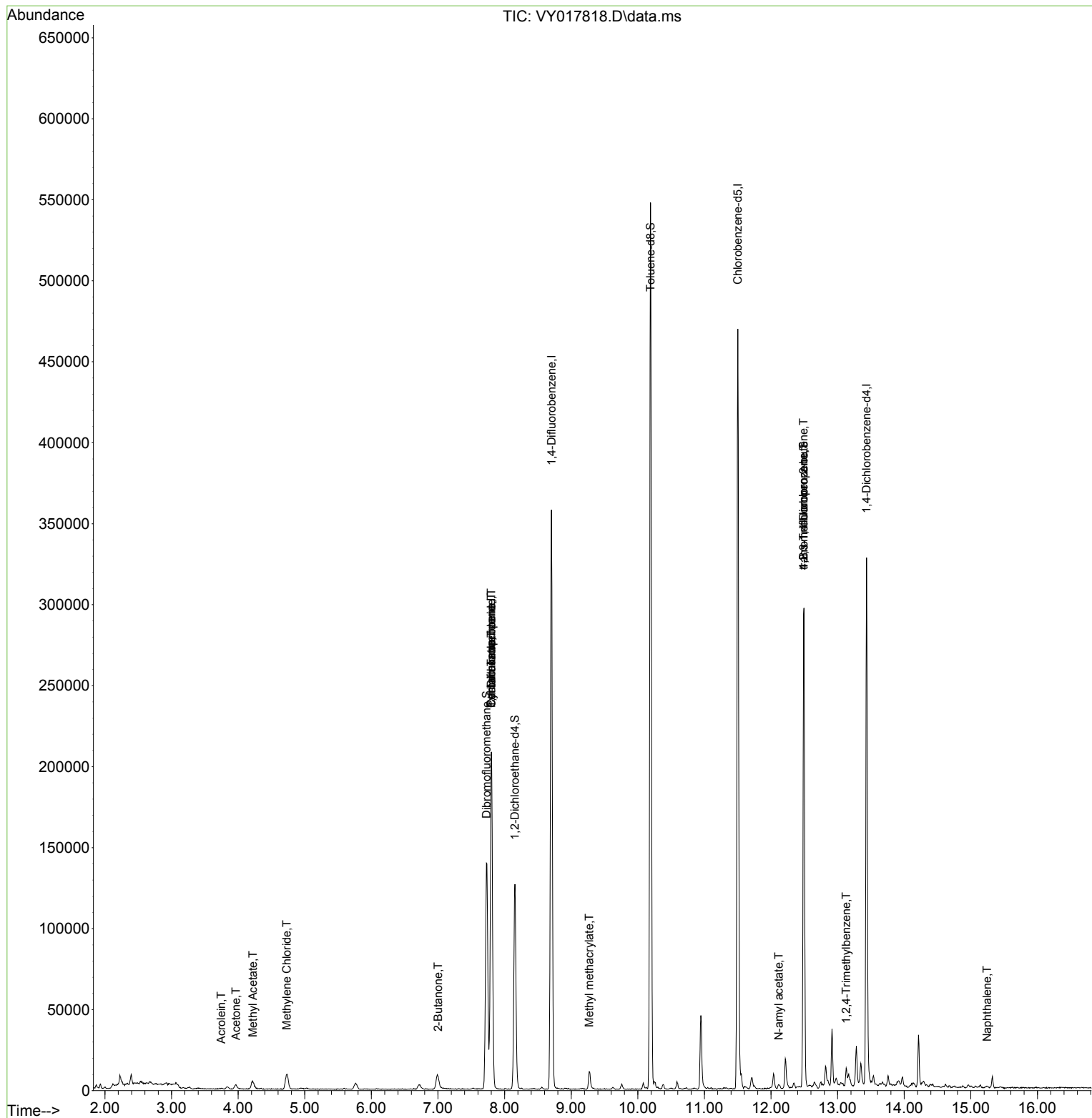
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	169179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	313803	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	261074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	82450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	97179	66.381	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.760%	
35) Dibromofluoromethane	7.728	113	102450	56.499	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.000%	
50) Toluene-d8	10.191	98	358654	52.950	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.900%	
62) 4-Bromofluorobenzene	12.489	95	86958	42.196	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.400%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.942	59	459	Below Cal	#	88
13) Acrolein	3.747	56	447	4.358	ug/l #	77
16) Acetone	3.966	43	4938	16.318	ug/l #	79
18) Methyl Acetate	4.223	43	1666	2.486	ug/l #	46
20) Methylene Chloride	4.729	84	7598	1.523	ug/l	90
25) 2-Butanone	7.002	43	1658	3.846	ug/l #	81
31) Cyclohexane	7.801	56	3648	1.415	ug/l #	8
36) 1,1-Dichloropropene	7.801	75	13136	4.965	ug/l #	47
38) Carbon Tetrachloride	7.801	117	15614	5.685	ug/l #	16
41) Methacrylonitrile	7.539	41	22	Below Cal	#	15
48) Methyl methacrylate	9.270	41	3424	4.361	ug/l #	32
51) 4-Methyl-2-Pentanone	10.087	43	2555	Below Cal	#	85
56) Ethyl methacrylate	10.301	69	60	Below Cal	#	1
69) o-Xylene	12.038	106	2135	Below Cal		98
70) Styrene	12.056	104	633	Below Cal	#	68
74) N-amyl acetate	12.117	43	1735	1.096	ug/l #	48
76) 1,2,3-Trichloropropane	12.489	75	45924	61.124	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	45924	116.105	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.129	105	5792	1.290	ug/l	97
95) Naphthalene	15.245	128	1073	1.357	ug/l #	87

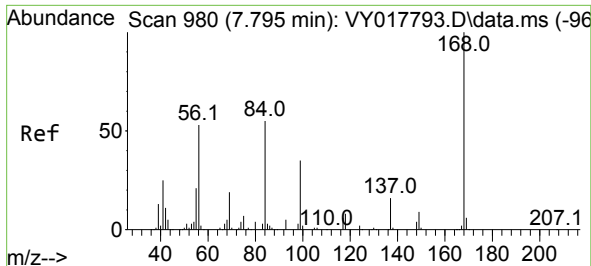
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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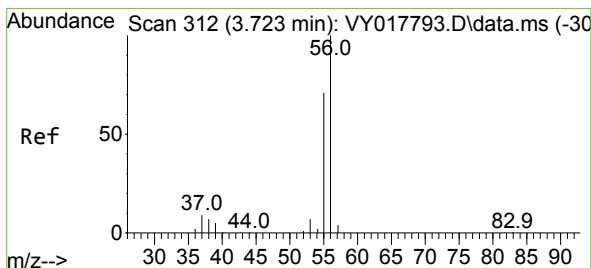
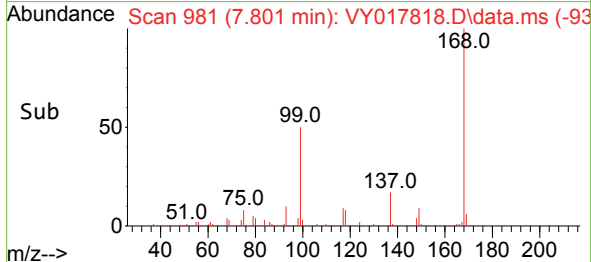
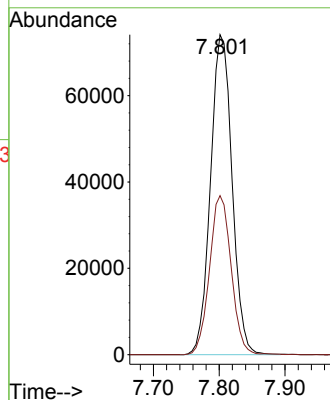
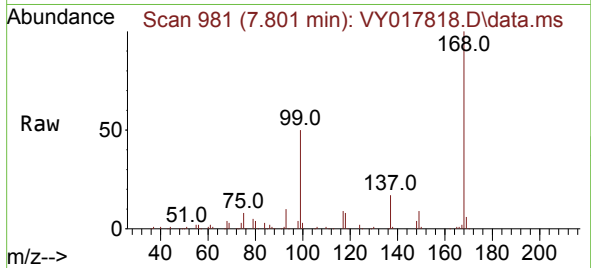




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017818.D
Acq: 02 Apr 2024 12:02

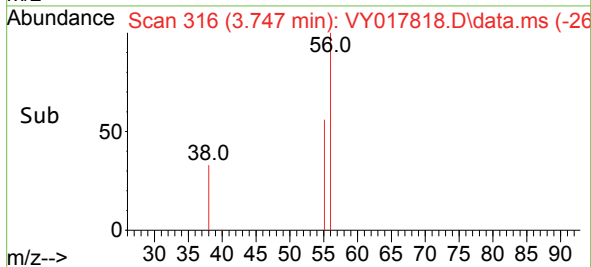
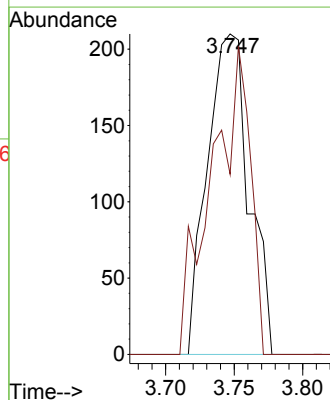
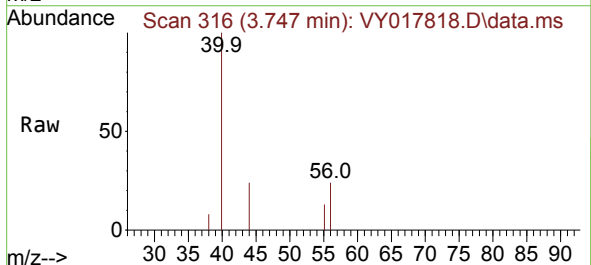
Instrument :
MSVOA_Y
ClientSampleId :
SEW-10

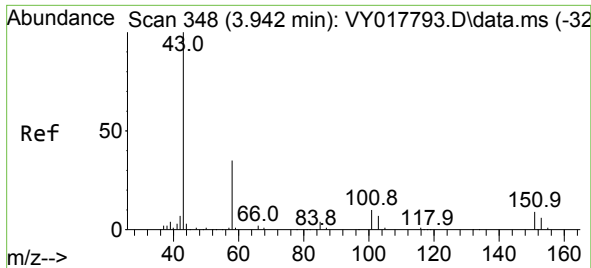
Tgt Ion:168 Resp: 169179
Ion Ratio Lower Upper
168 100
99 49.7 39.1 58.7



#13
Acrolein
Concen: 4.358 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.024 min
Lab File: VY017818.D
Acq: 02 Apr 2024 12:02

Tgt Ion: 56 Resp: 447
Ion Ratio Lower Upper
56 100
55 88.6 55.7 83.5#





#16

Acetone

Concen: 16.318 ug/l

RT: 3.966 min Scan# 31

Delta R.T. 0.024 min

Lab File: VY017818.D

Acq: 02 Apr 2024 12:02

Instrument :

MSVOA_Y

ClientSampleId :

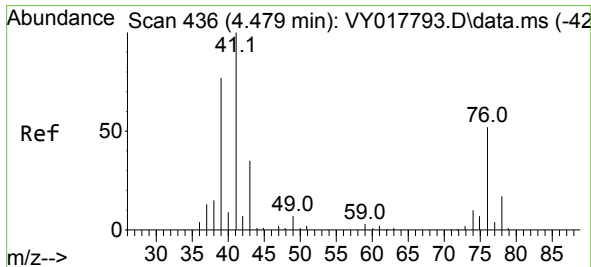
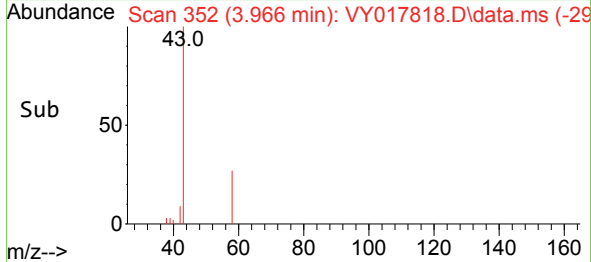
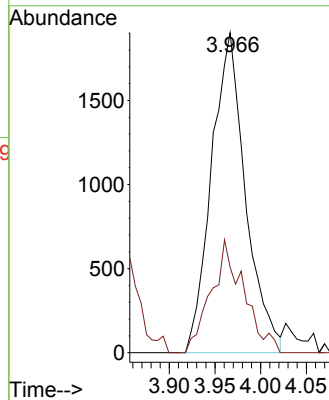
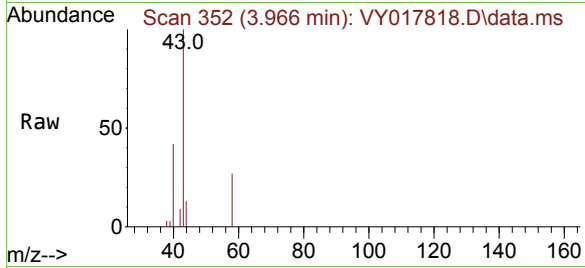
SEW-10

Tgt Ion: 43 Resp: 4938

Ion Ratio Lower Upper

43 100

58 26.7 31.7 47.5#



#18

Methyl Acetate

Concen: 2.486 ug/l

RT: 4.223 min Scan# 394

Delta R.T. -0.256 min

Lab File: VY017818.D

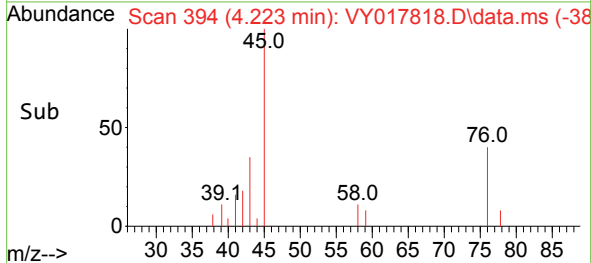
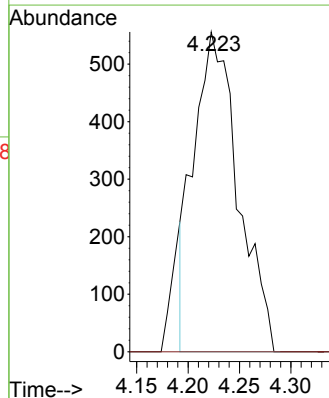
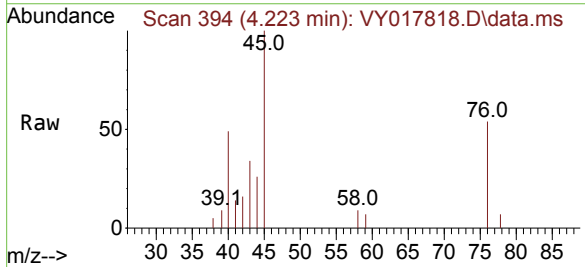
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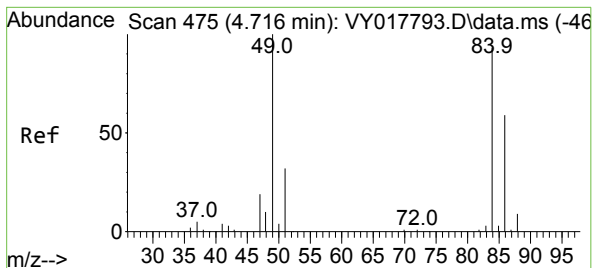
Tgt Ion: 43 Resp: 1666

Ion Ratio Lower Upper

43 100

74 0.0 23.3 34.9#





#20

Methylene Chloride

Concen: 1.523 ug/l

RT: 4.729 min Scan# 41

Delta R.T. 0.013 min

Lab File: VY017818.D

Acq: 02 Apr 2024 12:02

Instrument :

MSVOA_Y

ClientSampleId :

SEW-10

Tgt Ion: 84 Resp: 7598

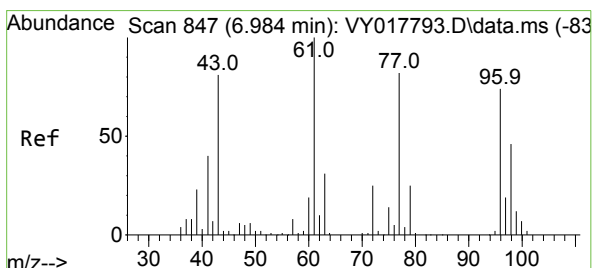
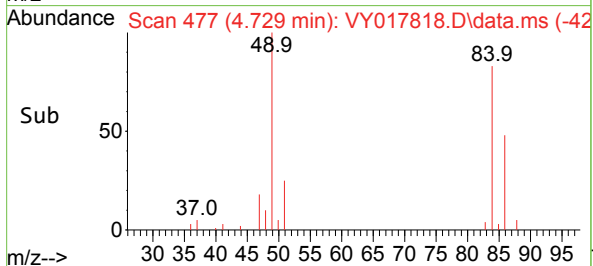
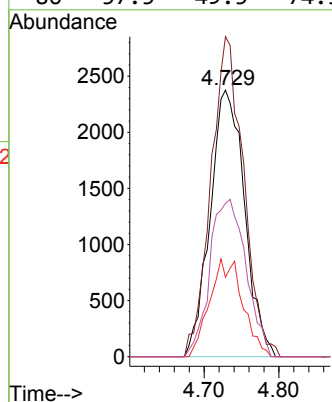
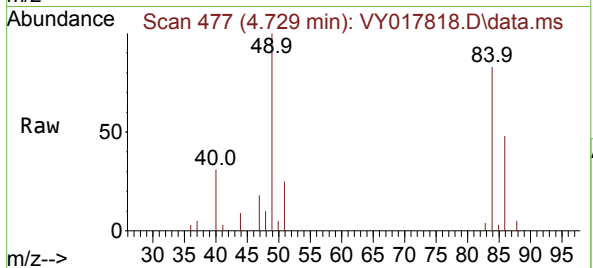
Ion Ratio Lower Upper

84 100

49 120.0 84.4 126.6

51 29.8 26.0 39.0

86 57.5 49.5 74.3



#25

2-Butanone

Concen: 3.846 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.018 min

Lab File: VY017818.D

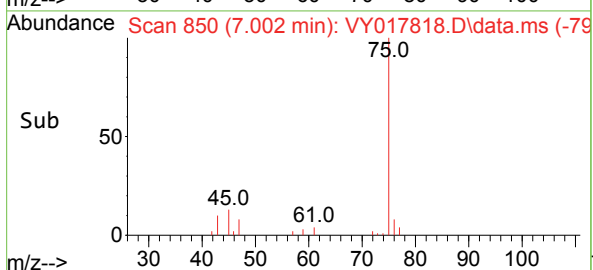
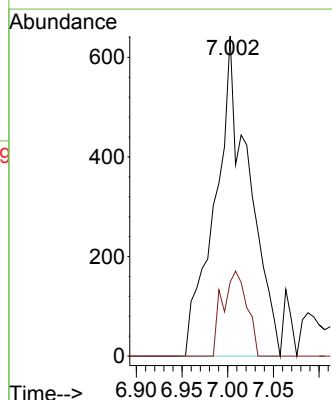
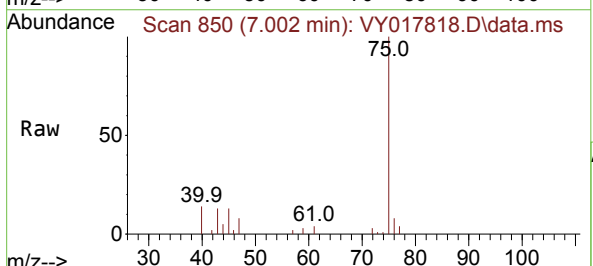
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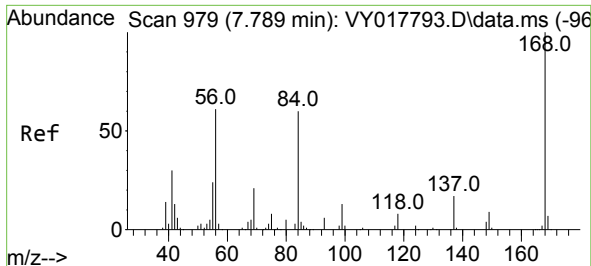
Tgt Ion: 43 Resp: 1658

Ion Ratio Lower Upper

43 100

72 23.0 27.3 40.9#

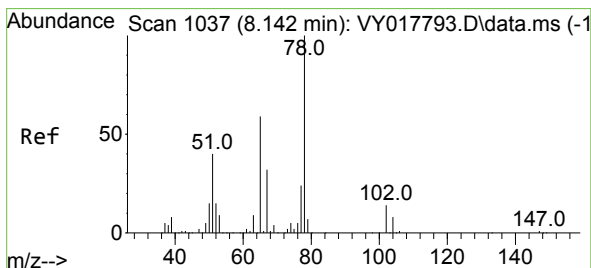
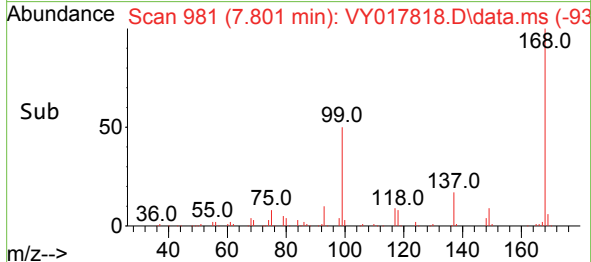
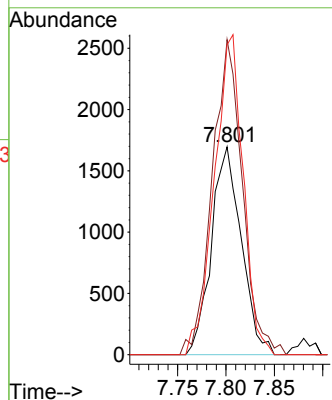
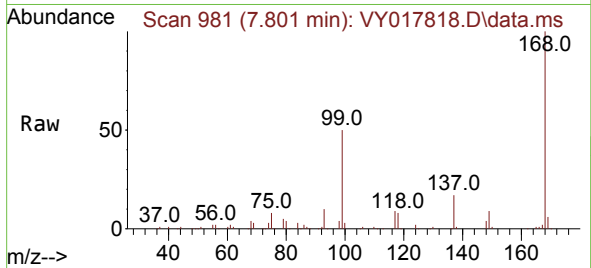




#31
Cyclohexane
Concen: 1.415 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017818.D
Acq: 02 Apr 2024 12:02

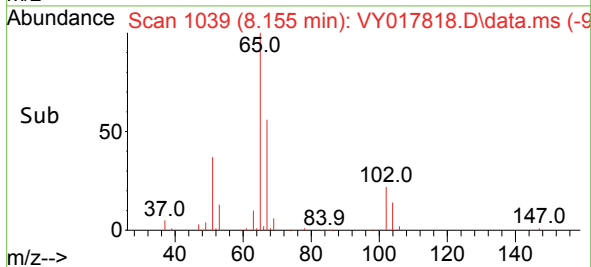
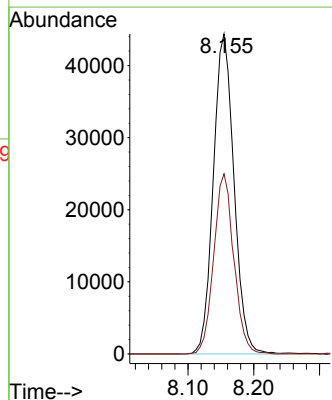
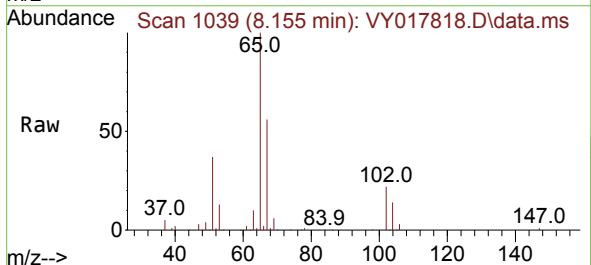
Instrument :
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ClientSampleId :
SEW-10

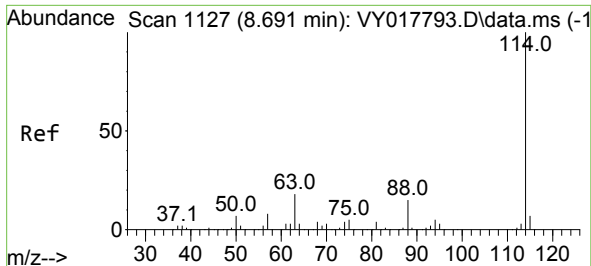
Tgt Ion: 56 Resp: 3648
Ion Ratio Lower Upper
56 100
69 151.6 28.7 43.1#
84 149.1 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 66.381 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VY017818.D
Acq: 02 Apr 2024 12:02

Tgt Ion: 65 Resp: 97179
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.6

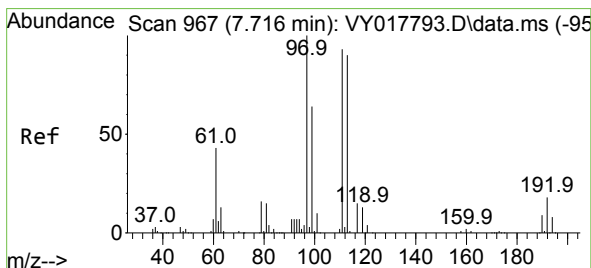
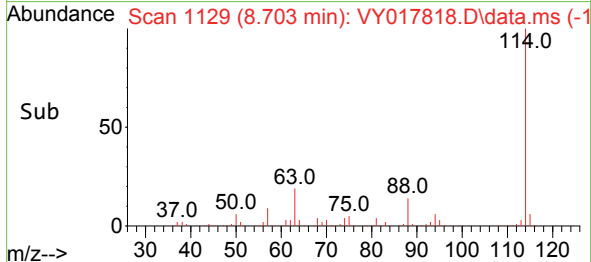
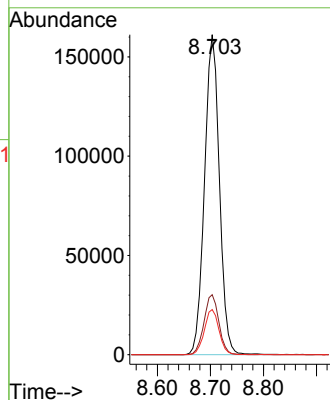
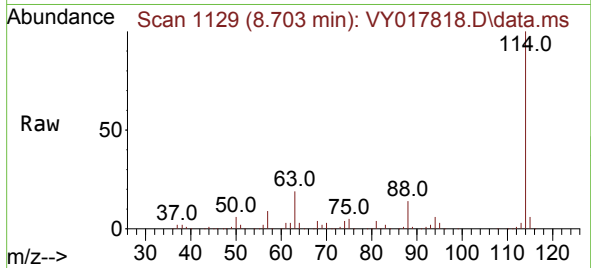




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. 0.012 min
Lab File: VY017818.D
Acq: 02 Apr 2024 12:02

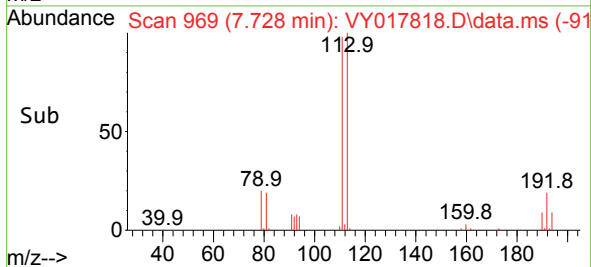
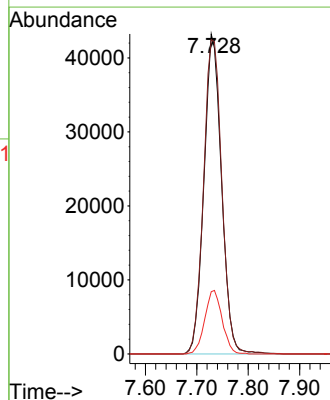
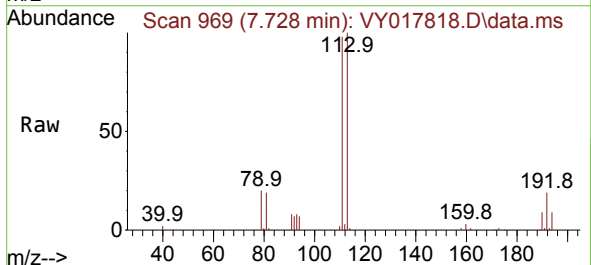
Instrument :
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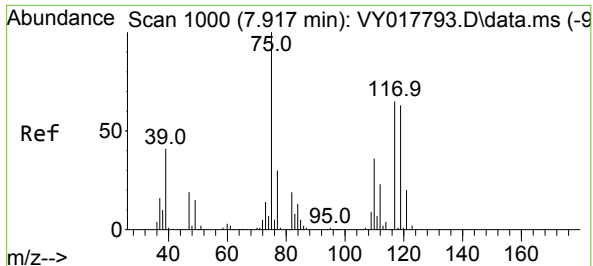
Tgt Ion:114 Resp: 313803
Ion Ratio Lower Upper
114 100
63 18.8 0.0 35.0
88 14.1 0.0 27.2



#35
Dibromofluoromethane
Concen: 56.499 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY017818.D
Acq: 02 Apr 2024 12:02

Tgt Ion:113 Resp: 102450
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 19.7 15.9 23.9

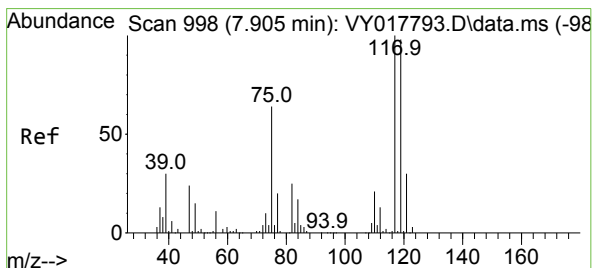
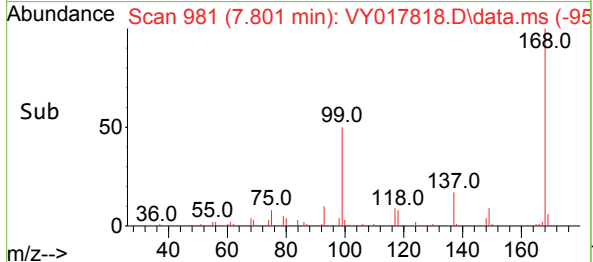
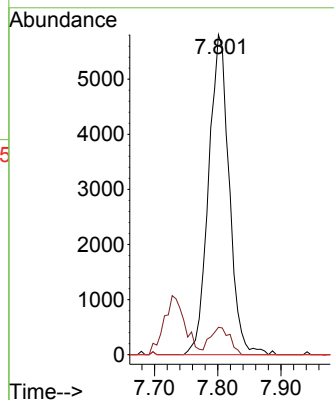
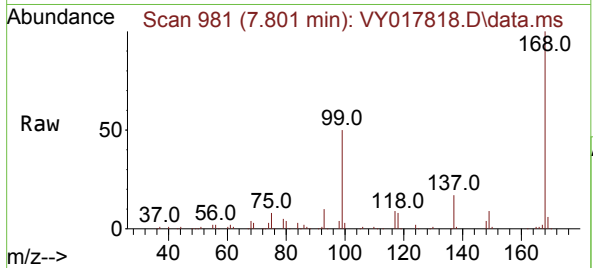




#36
 1,1-Dichloropropene
 Concen: 4.965 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.116 min
 Lab File: VY017818.D
 Acq: 02 Apr 2024 12:02

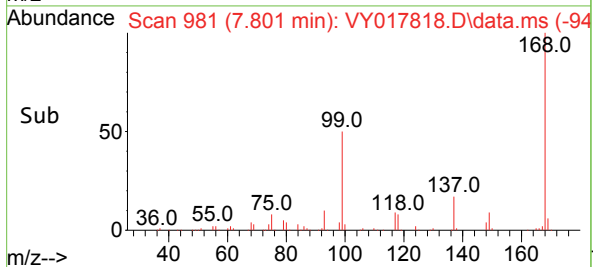
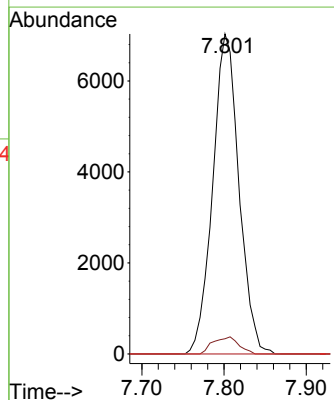
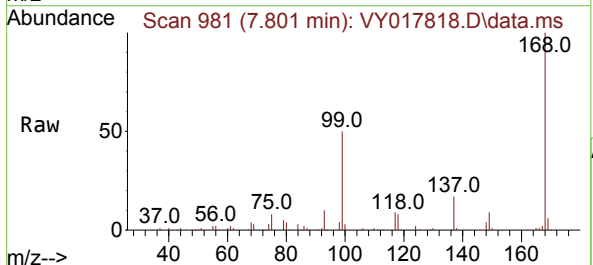
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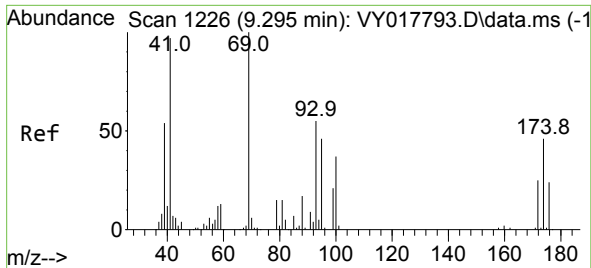
Tgt Ion: 75 Resp: 13136
 Ion Ratio Lower Upper
 75 100
 110 8.1 19.0 57.0#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.685 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.104 min
 Lab File: VY017818.D
 Acq: 02 Apr 2024 12:02

Tgt Ion: 117 Resp: 15614
 Ion Ratio Lower Upper
 117 100
 119 4.8 75.8 113.6#
 121 0.0 24.0 36.0#

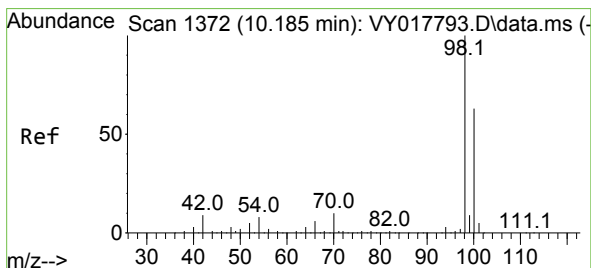
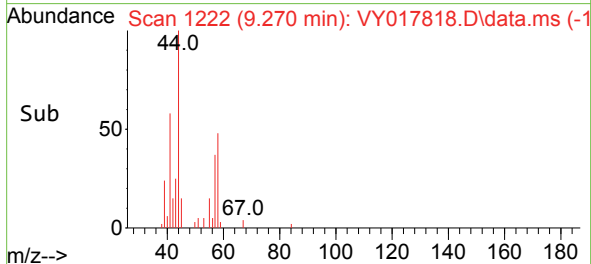
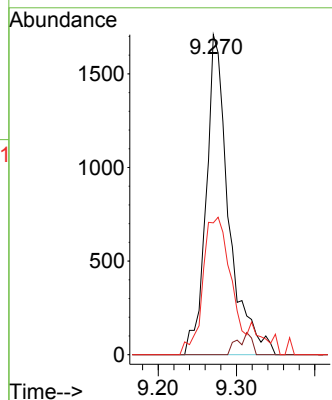
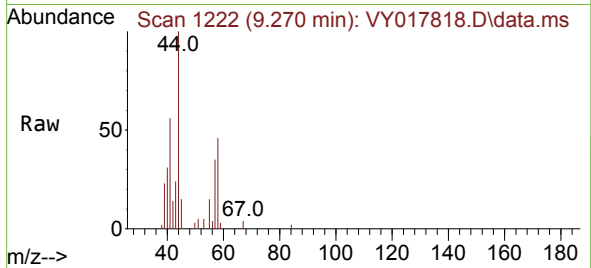




#48
Methyl methacrylate
Concen: 4.361 ug/l
RT: 9.270 min Scan# 11
Delta R.T. -0.025 min
Lab File: VY017818.D
Acq: 02 Apr 2024 12:02

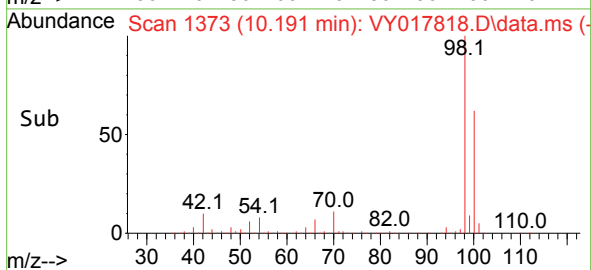
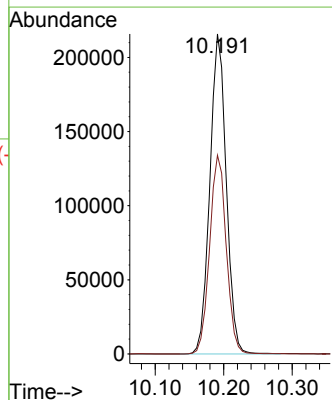
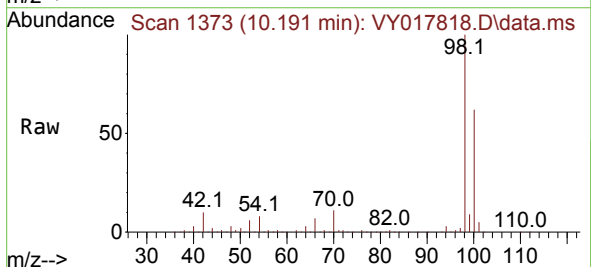
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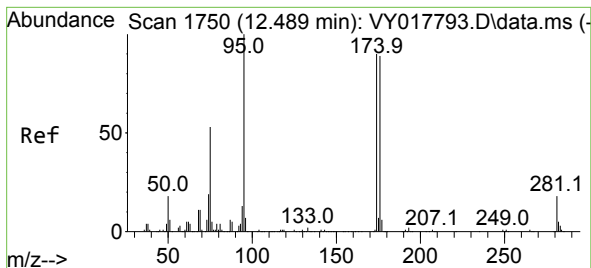
Tgt Ion: 41 Resp: 3424
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 53.3 43.6 65.4



#50
Toluene-d8
Concen: 52.950 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY017818.D
Acq: 02 Apr 2024 12:02

Tgt Ion: 98 Resp: 358654
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0

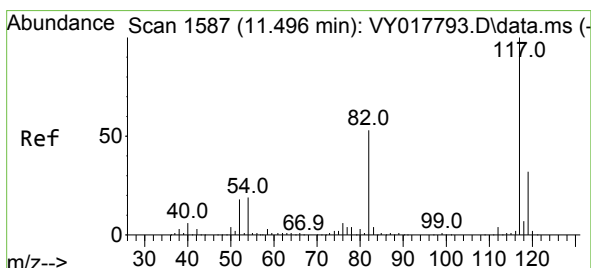
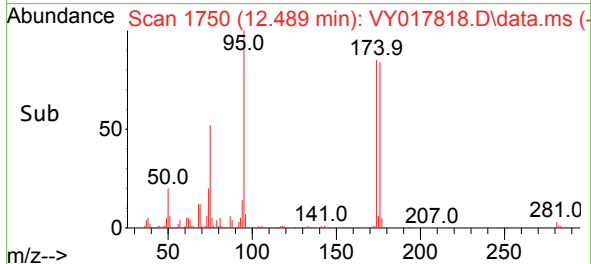
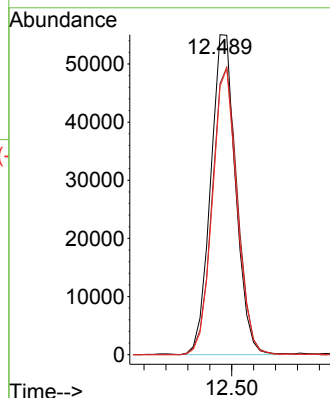
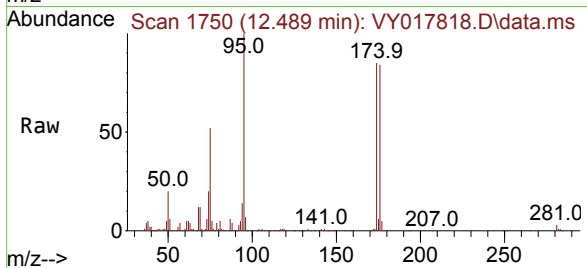




#62
4-Bromofluorobenzene
Concen: 42.196 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017818.D
Acq: 02 Apr 2024 12:02

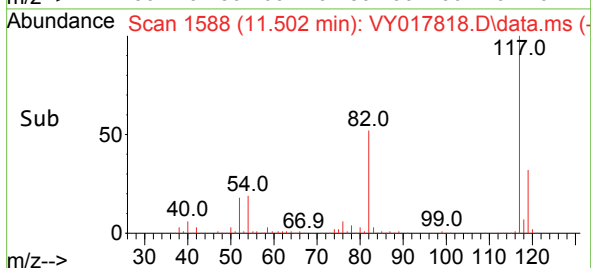
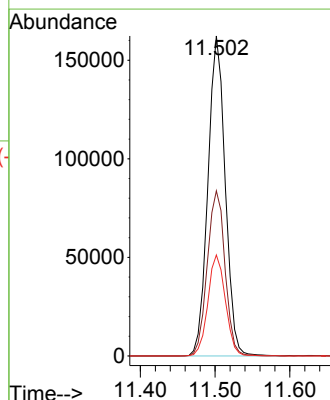
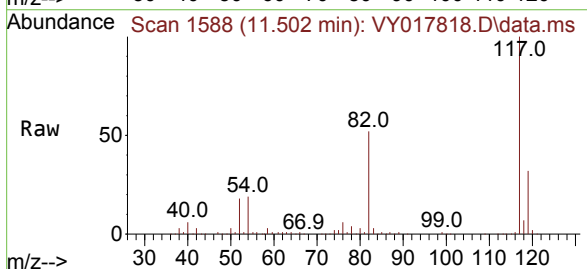
Instrument :
MSVOA_Y
ClientSampleId :
SEW-10

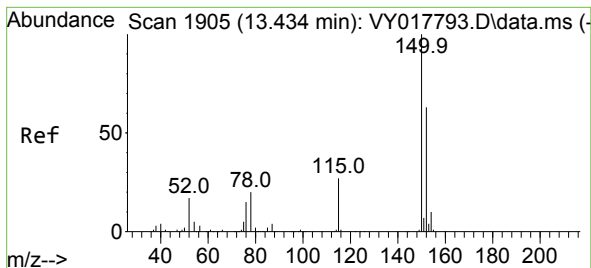
Tgt Ion: 95 Resp: 86958
Ion Ratio Lower Upper
95 100
174 91.6 0.0 175.6
176 88.0 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY017818.D
Acq: 02 Apr 2024 12:02

Tgt Ion: 117 Resp: 261074
Ion Ratio Lower Upper
117 100
82 51.6 42.4 63.6
119 31.5 25.9 38.9

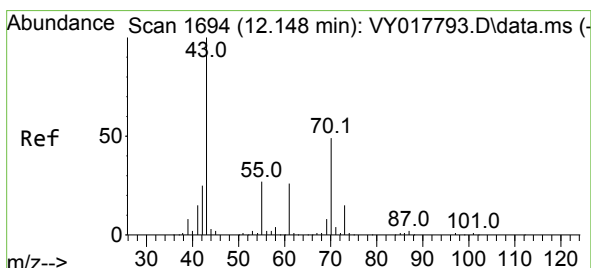
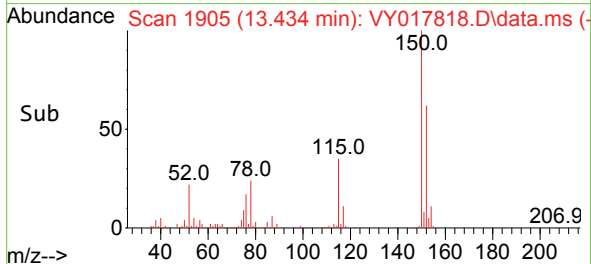
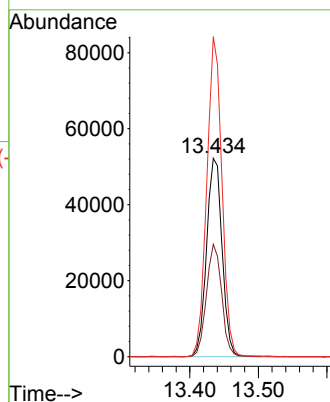
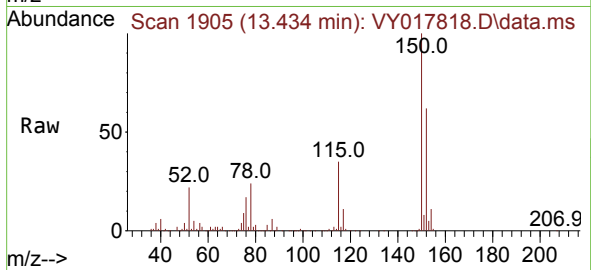




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017818.D
Acq: 02 Apr 2024 12:02

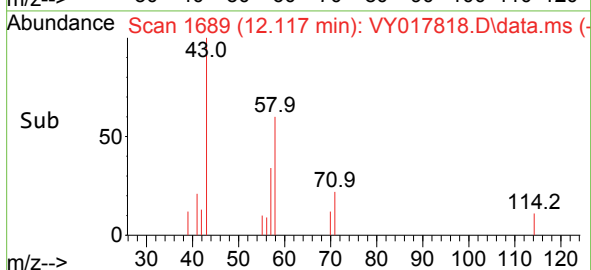
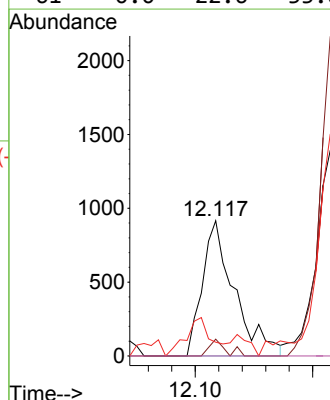
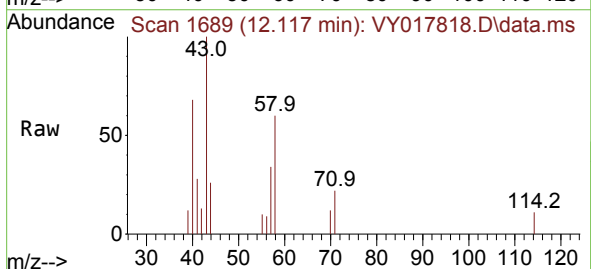
Instrument :
MSVOA_Y
ClientSampleId :
SEW-10

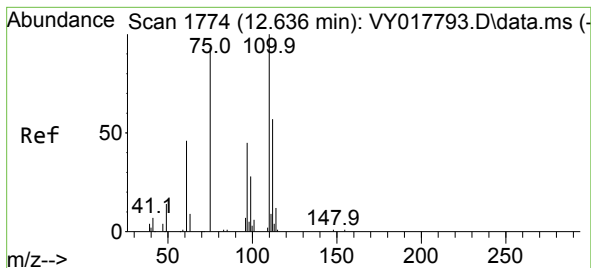
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.2	84.7
150	156.9	0.0	345.6



#74
N-ethyl acetate
Concen: 1.096 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.031 min
Lab File: VY017818.D
Acq: 02 Apr 2024 12:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.4	62.2#
55	22.1	23.3	34.9#
61	0.0	22.6	33.8#





#76

1,2,3-Trichloropropane

Concen: 61.124 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017818.D

Acq: 02 Apr 2024 12:02

Instrument :

MSVOA_Y

ClientSampleId :

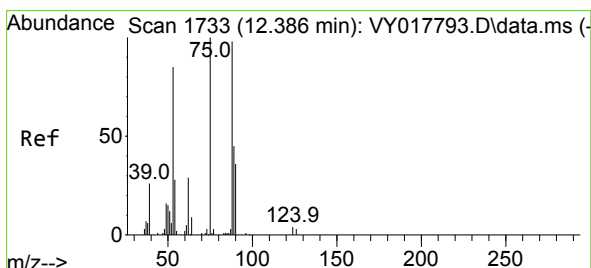
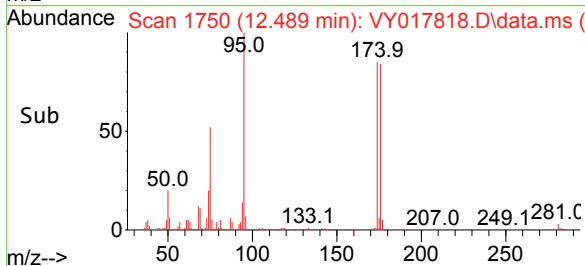
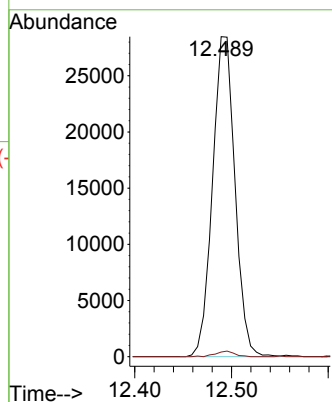
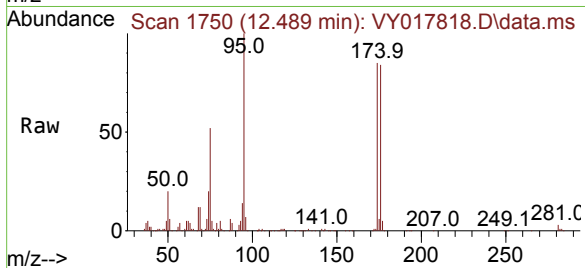
SEW-10

Tgt Ion: 75 Resp: 45924

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 116.105 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.103 min

Lab File: VY017818.D

Acq: 02 Apr 2024 12:02

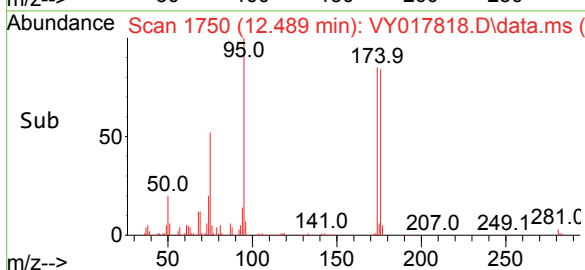
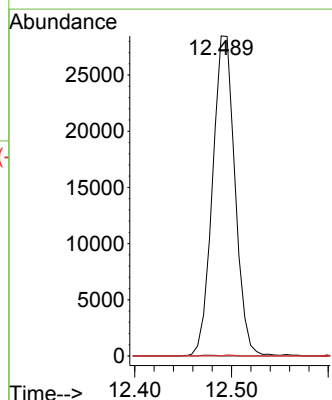
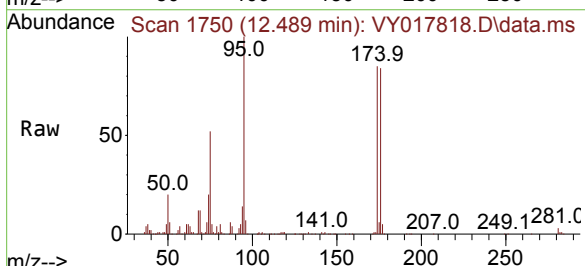
Tgt Ion: 75 Resp: 45924

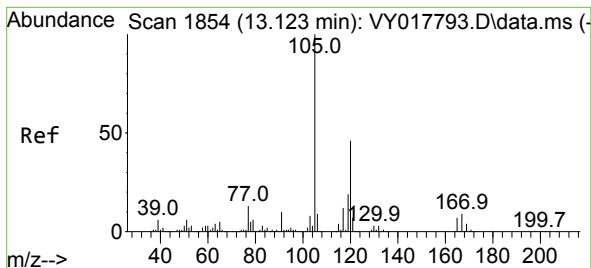
Ion Ratio Lower Upper

75 100

53 0.2 66.8 100.2#

89 0.1 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 1.290 ug/l

RT: 13.129 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017818.D

Acq: 02 Apr 2024 12:02

Instrument :

MSVOA_Y

ClientSampleId :

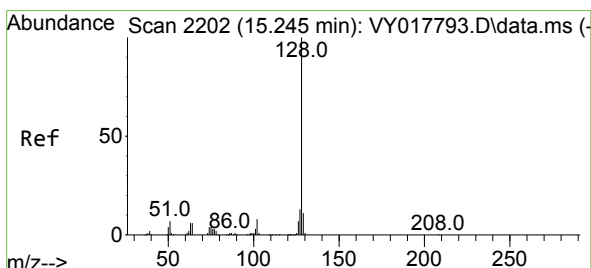
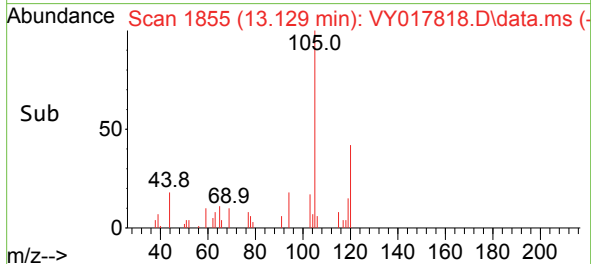
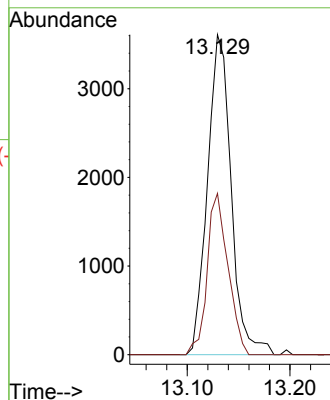
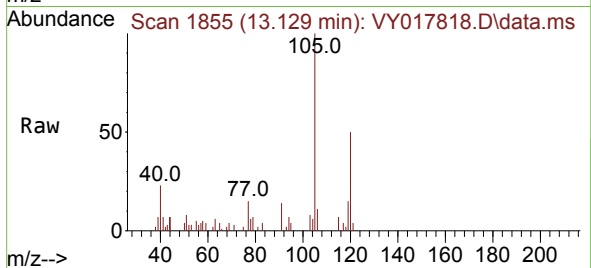
SEW-10

Tgt Ion:105 Resp: 5792

Ion Ratio Lower Upper

105 100

120 44.4 23.2 69.6



#95

Naphthalene

Concen: 1.357 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY017818.D

Acq: 02 Apr 2024 12:02

Tgt Ion:128 Resp: 1073

Ion Ratio Lower Upper

128 100

127 21.1 10.6 16.0#

129 8.7 8.6 13.0

