

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040224\
 Data File : VY017816.D
 Acq On : 02 Apr 2024 11:01
 Operator : SY/MD
 Sample : P1945-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SEW-10

Quant Time: Apr 03 02:03:12 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)

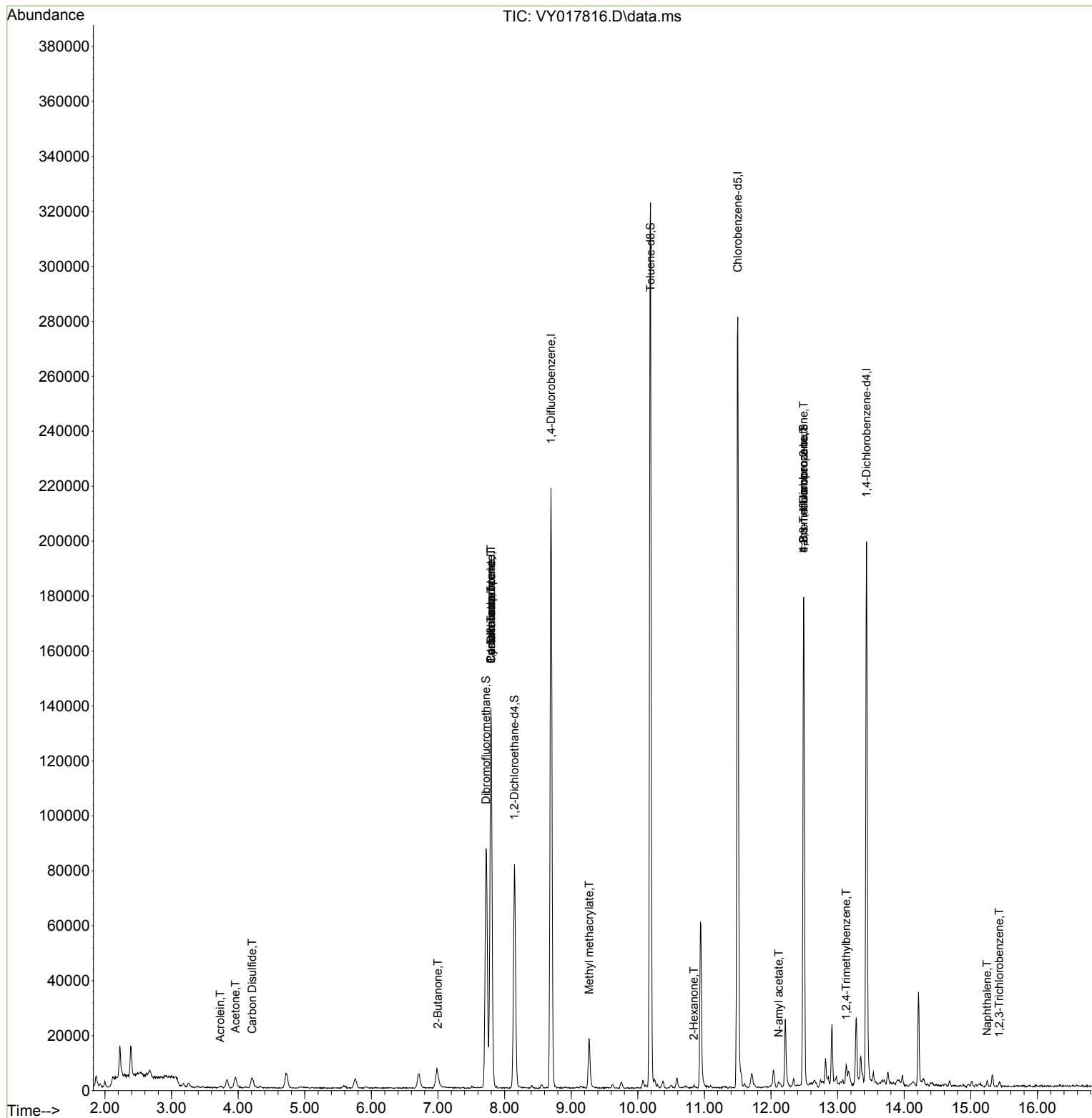
Internal Standards						
1) Pentafluorobenzene	7.795	168	110085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	187375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	156521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	52702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	60609	63.624	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	127.240%
35) Dibromofluoromethane	7.722	113	63248	58.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.840%
50) Toluene-d8	10.191	98	213662	52.828	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.660%
62) 4-Bromofluorobenzene	12.489	95	53273	43.293	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.580%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	198	Below Cal	#	88
13) Acrolein	3.729	56	704	10.548	ug/l #	52
16) Acetone	3.960	43	6857	34.823	ug/l	98
17) Carbon Disulfide	4.210	76	3521	1.211	ug/l #	91
25) 2-Butanone	6.996	43	1970	7.023	ug/l	92
31) Cyclohexane	7.795	56	2490	1.484	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	8823	5.585	ug/l #	48
38) Carbon Tetrachloride	7.795	117	10181	6.208	ug/l #	17
48) Methyl methacrylate	9.270	41	4905	10.588	ug/l #	30
51) 4-Methyl-2-Pentanone	10.075	43	1998	Below Cal		98
56) Ethyl methacrylate	10.368	69	74	Below Cal	#	1
59) 2-Hexanone	10.843	43	881	1.666	ug/l	69
69) o-Xylene	12.038	106	1307	Below Cal		84
70) Styrene	12.056	104	612	Below Cal	#	58
74) N-amyl acetate	12.117	43	1898	2.516	ug/l #	44
76) 1,2,3-Trichloropropane	12.489	75	27666	57.607	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	27666	111.027	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.129	105	4029	1.403	ug/l	95
95) Naphthalene	15.245	128	2022	2.602	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.428	180	697	1.041	ug/l	91

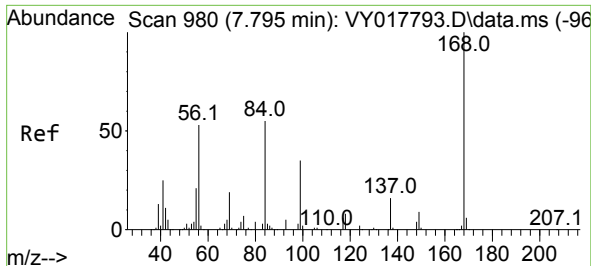
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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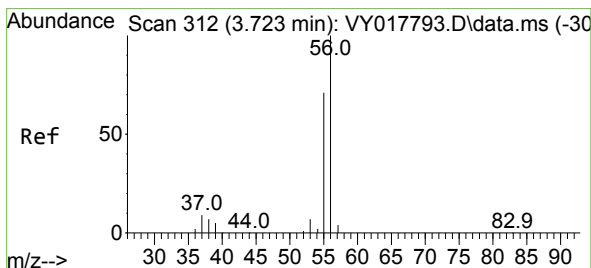
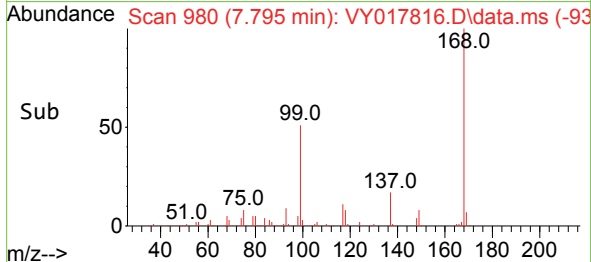
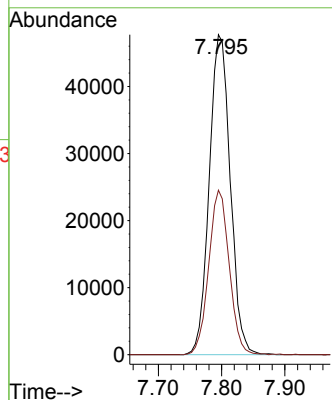
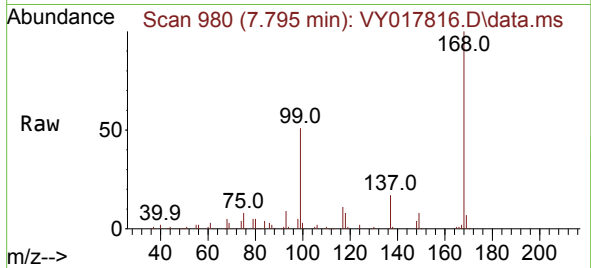




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017816.D
Acq: 02 Apr 2024 11:01

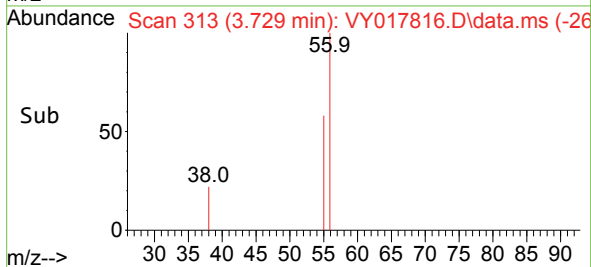
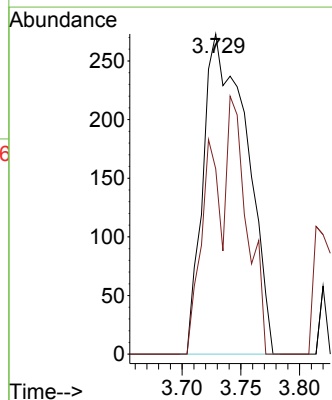
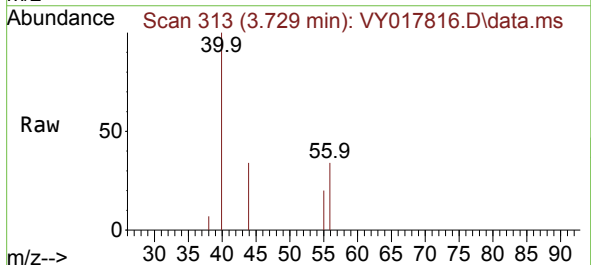
Instrument :
MSVOA_Y
ClientSampleId :
SEW-10

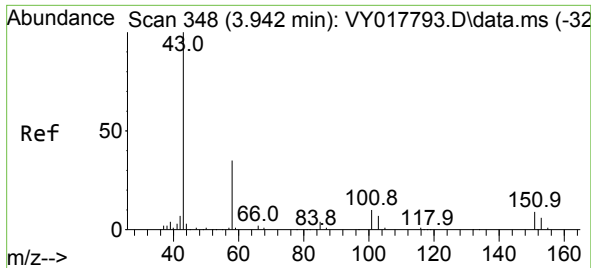
Tgt Ion:168 Resp: 110085
Ion Ratio Lower Upper
168 100
99 51.4 39.1 58.7



#13
Acrolein
Concen: 10.548 ug/l
RT: 3.729 min Scan# 313
Delta R.T. 0.006 min
Lab File: VY017816.D
Acq: 02 Apr 2024 11:01

Tgt Ion: 56 Resp: 704
Ion Ratio Lower Upper
56 100
55 30.1 55.7 83.5#

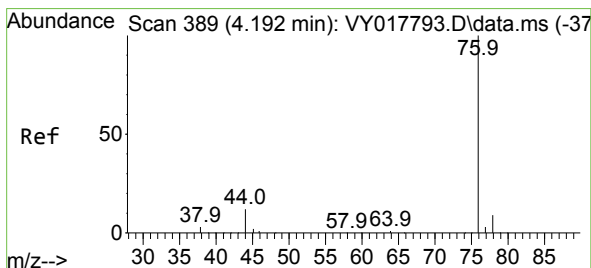
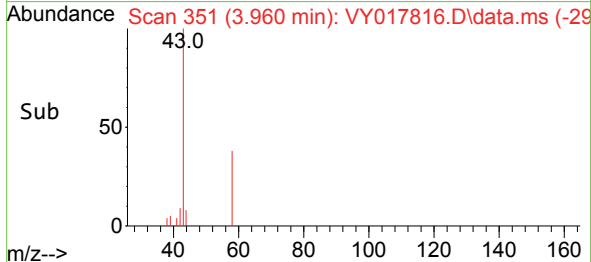
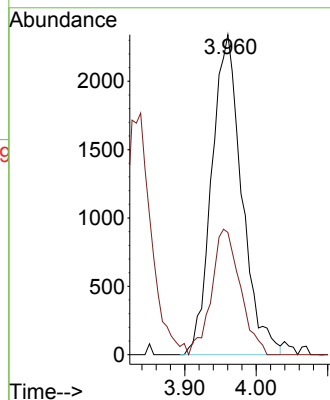
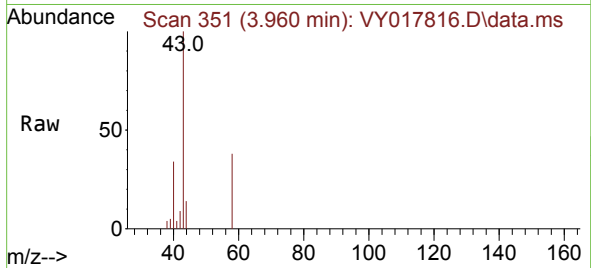




#16
Acetone
Concen: 34.823 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY017816.D
Acq: 02 Apr 2024 11:01

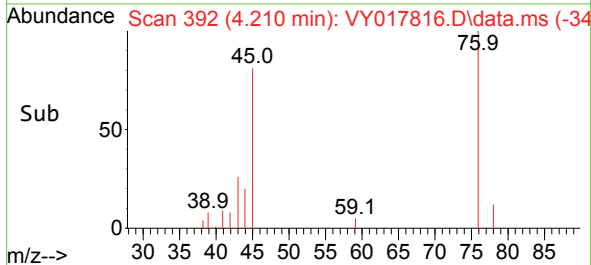
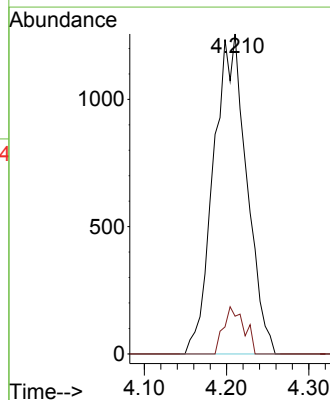
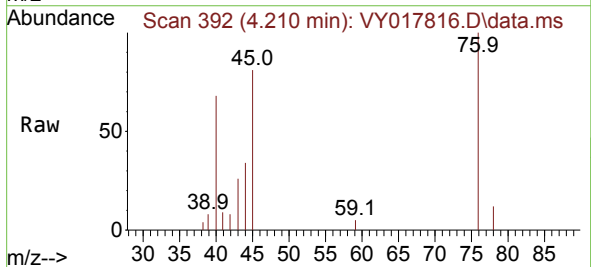
Instrument :
MSVOA_Y
ClientSampleId :
SEW-10

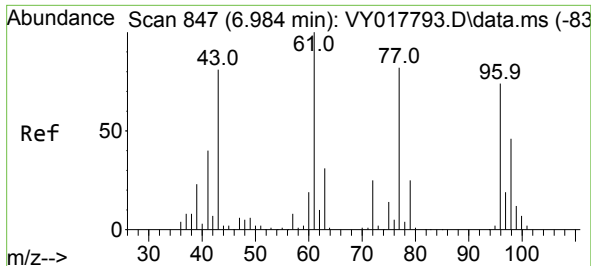
Tgt Ion: 43 Resp: 6857
Ion Ratio Lower Upper
43 100
58 38.2 31.7 47.5



#17
Carbon Disulfide
Concen: 1.211 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.018 min
Lab File: VY017816.D
Acq: 02 Apr 2024 11:01

Tgt Ion: 76 Resp: 3521
Ion Ratio Lower Upper
76 100
78 11.8 6.8 10.2#





#25

2-Butanone

Concen: 7.023 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY017816.D

Acq: 02 Apr 2024 11:01

Instrument :

MSVOA_Y

ClientSampleId :

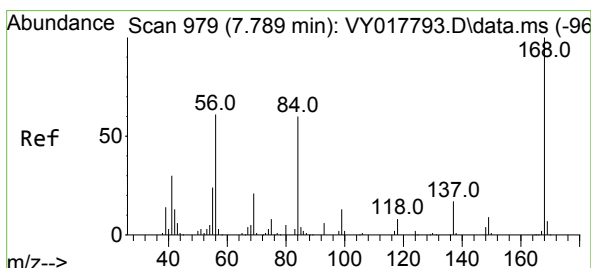
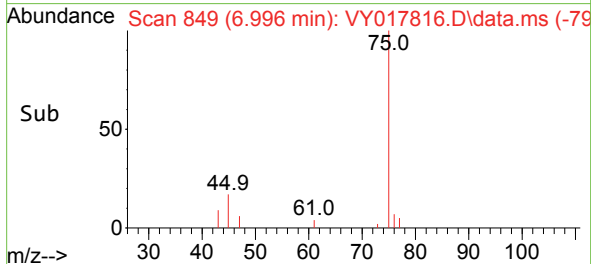
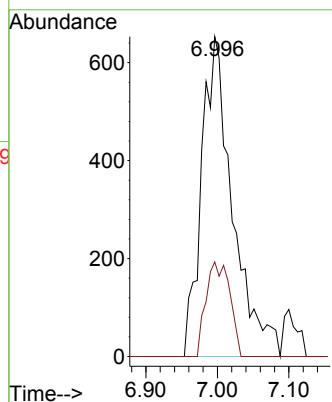
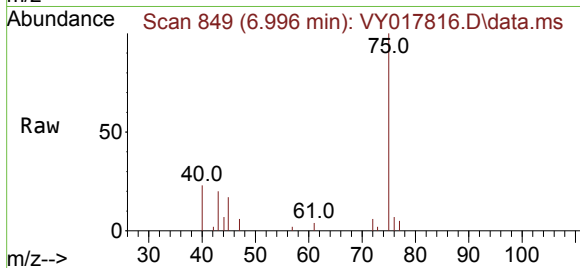
SEW-10

Tgt Ion: 43 Resp: 1970

Ion Ratio Lower Upper

43 100

72 29.6 27.3 40.9



#31

Cyclohexane

Concen: 1.484 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY017816.D

Acq: 02 Apr 2024 11:01

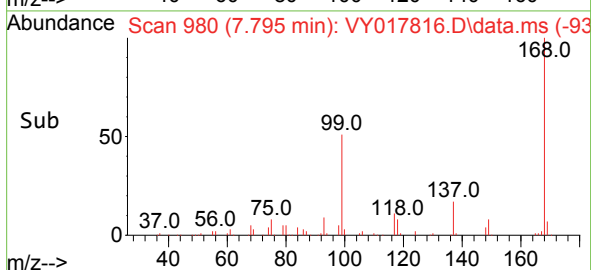
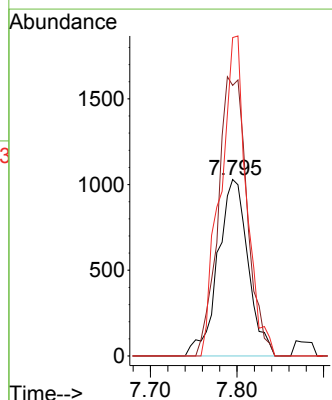
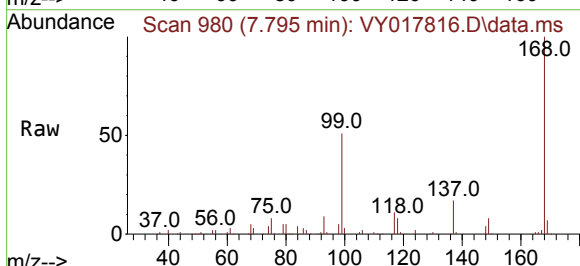
Tgt Ion: 56 Resp: 2490

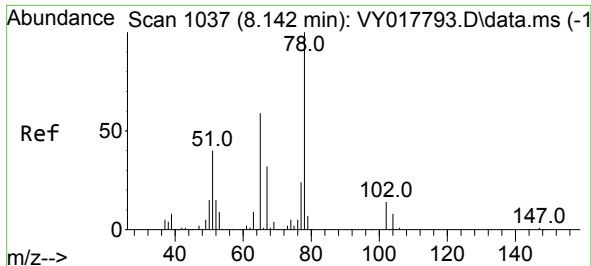
Ion Ratio Lower Upper

56 100

69 153.3 28.7 43.1#

84 180.4 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 63.624 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY017816.D

Acq: 02 Apr 2024 11:01

Instrument :

MSVOA_Y

ClientSampleId :

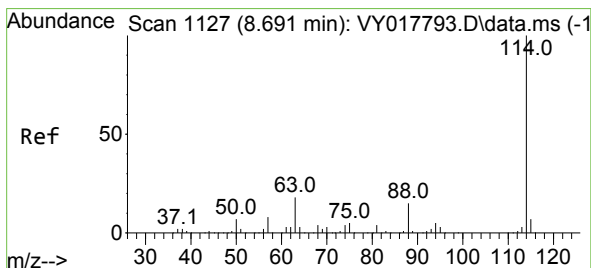
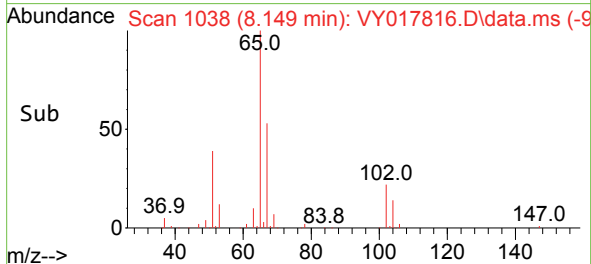
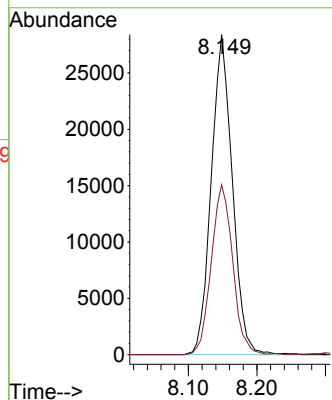
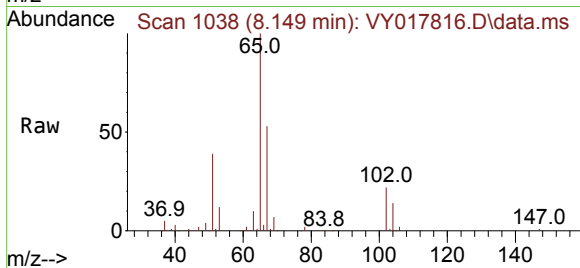
SEW-10

Tgt Ion: 65 Resp: 60609

Ion Ratio Lower Upper

65 100

67 54.0 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: VY017816.D

Acq: 02 Apr 2024 11:01

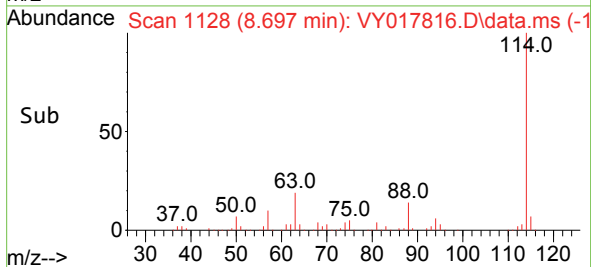
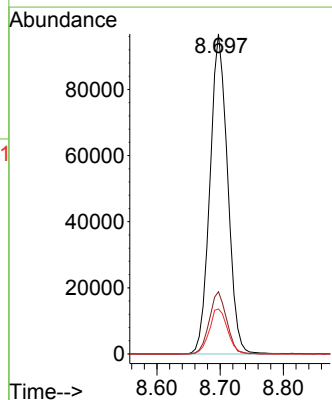
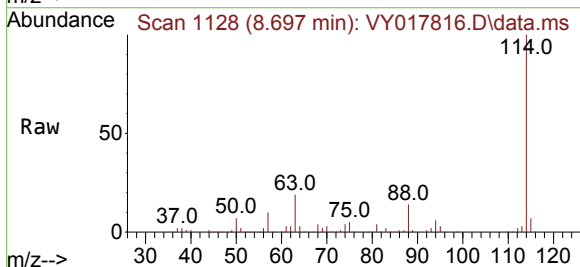
Tgt Ion: 114 Resp: 187375

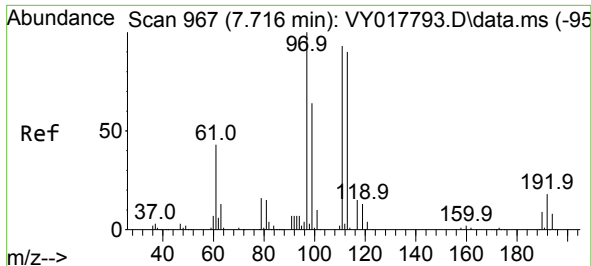
Ion Ratio Lower Upper

114 100

63 19.4 0.0 35.0

88 14.0 0.0 27.2

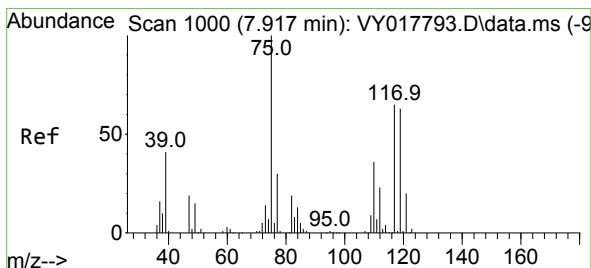
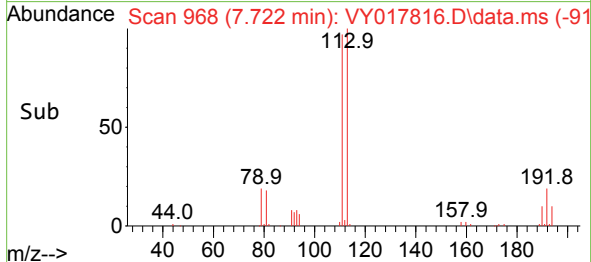
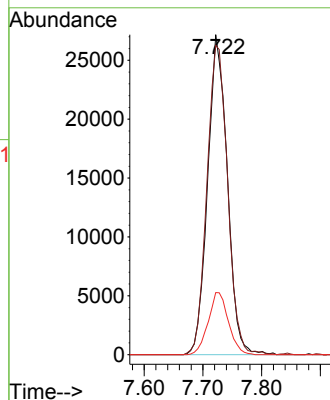
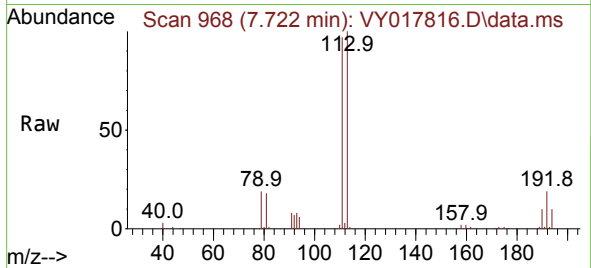




#35
Dibromofluoromethane
Concen: 58.415 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY017816.D
Acq: 02 Apr 2024 11:01

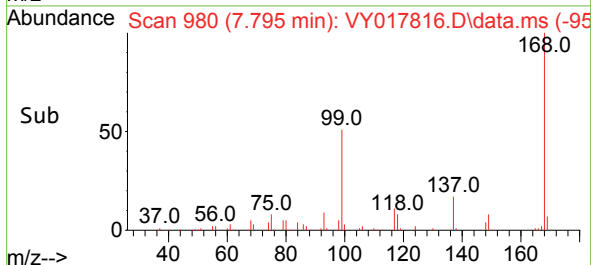
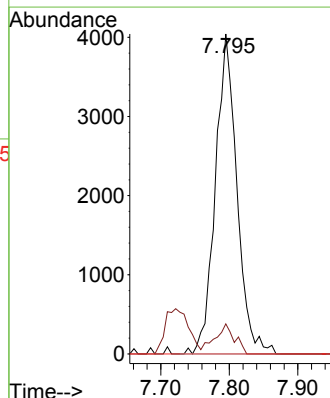
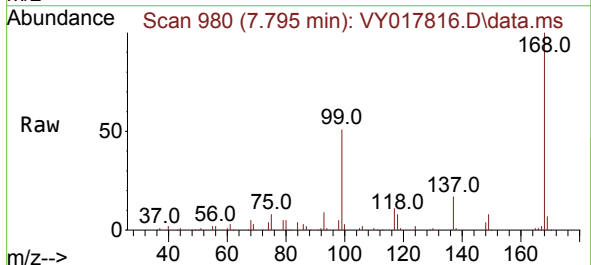
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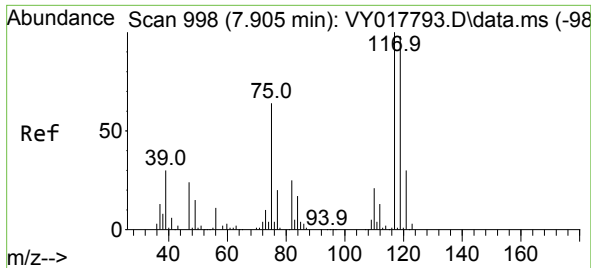
Tgt Ion:113 Resp: 63248
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.4
192 20.0 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.585 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017816.D
Acq: 02 Apr 2024 11:01

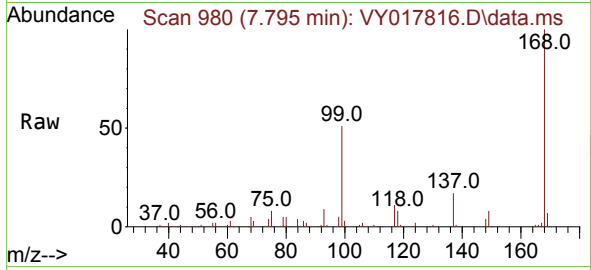
Tgt Ion: 75 Resp: 8823
Ion Ratio Lower Upper
75 100
110 8.6 19.0 57.0#
77 0.0 25.3 37.9#



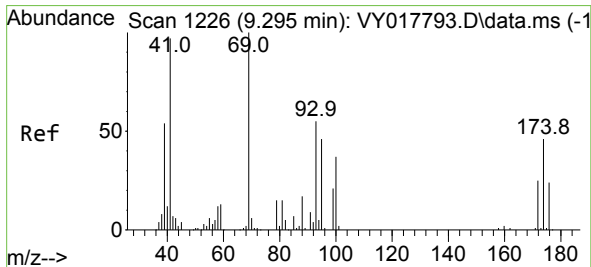
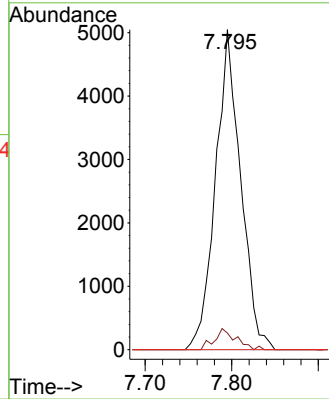
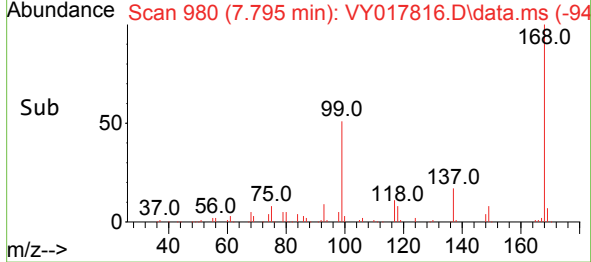


#38
Carbon Tetrachloride
Concen: 6.208 ug/l
RT: 7.795 min Scan# 998
Delta R.T. -0.110 min
Lab File: VY017816.D
Acq: 02 Apr 2024 11:01

Instrument :
MSVOA_Y
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SEW-10

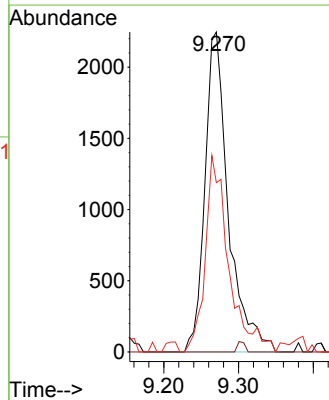
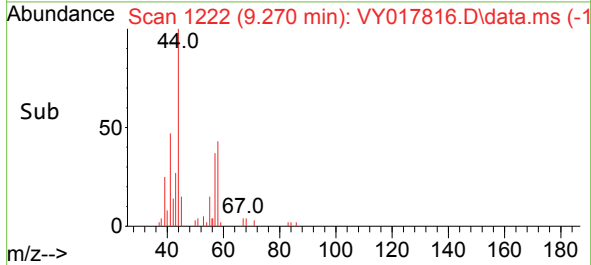
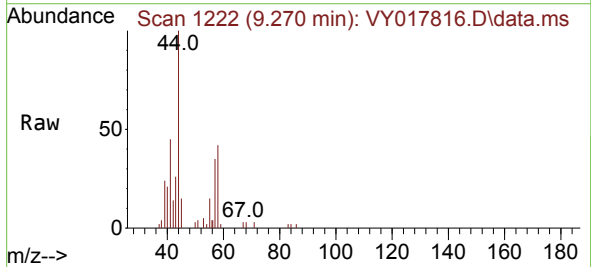


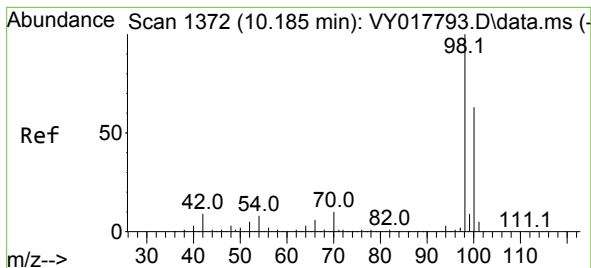
Tgt Ion:117 Resp: 10181
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.0 36.0#



#48
Methyl methacrylate
Concen: 10.588 ug/l
RT: 9.270 min Scan# 1222
Delta R.T. -0.025 min
Lab File: VY017816.D
Acq: 02 Apr 2024 11:01

Tgt Ion: 41 Resp: 4905
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 61.2 43.6 65.4





#50

Toluene-d8

Concen: 52.828 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017816.D

Acq: 02 Apr 2024 11:01

Instrument :

MSVOA_Y

ClientSampleId :

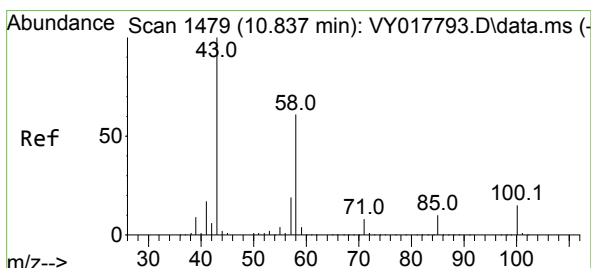
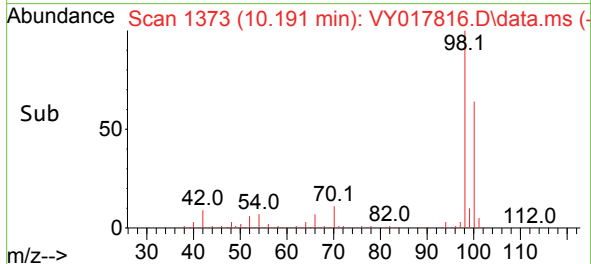
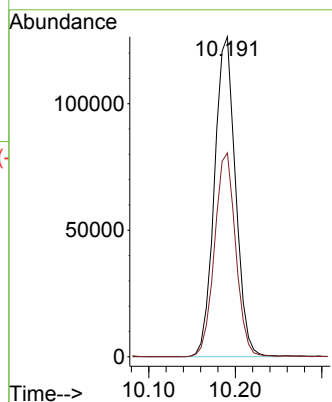
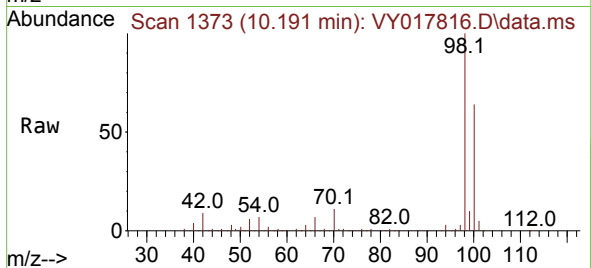
SEW-10

Tgt Ion: 98 Resp: 213662

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



#59

2-Hexanone

Concen: 1.666 ug/l

RT: 10.843 min Scan# 1480

Delta R.T. 0.006 min

Lab File: VY017816.D

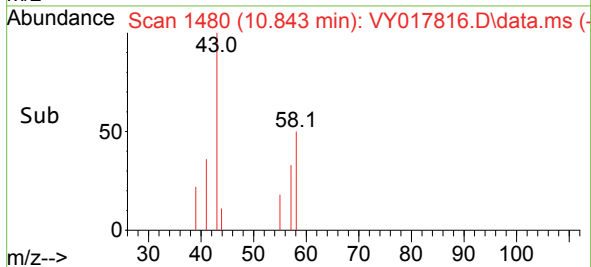
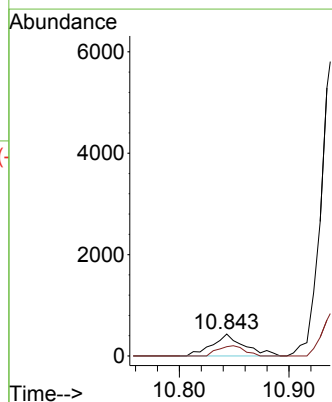
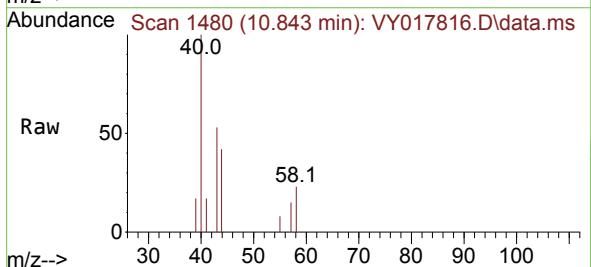
Acq: 02 Apr 2024 11:01

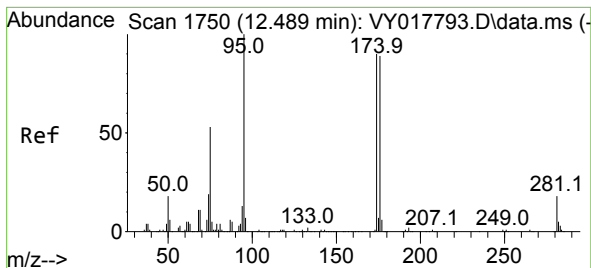
Tgt Ion: 43 Resp: 881

Ion Ratio Lower Upper

43 100

58 38.7 31.4 94.0

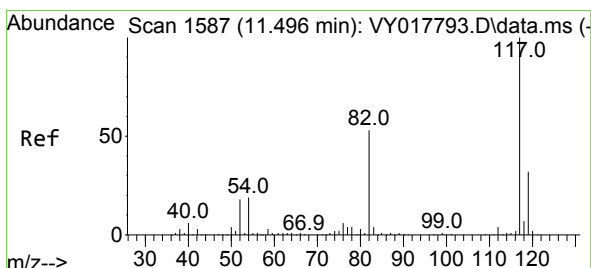
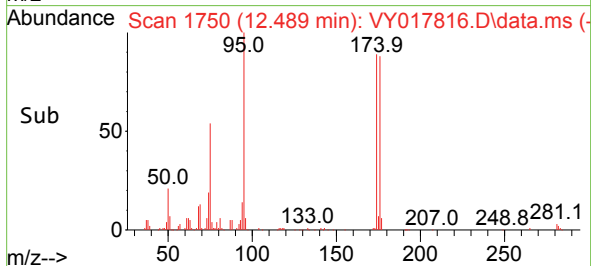
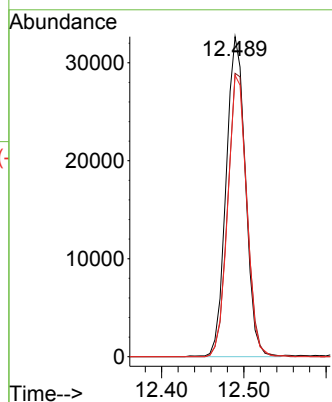
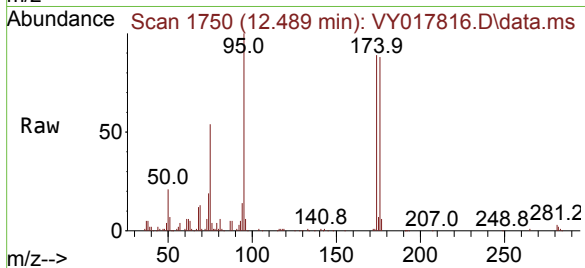




#62
4-Bromofluorobenzene
Concen: 43.293 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY017816.D
Acq: 02 Apr 2024 11:01

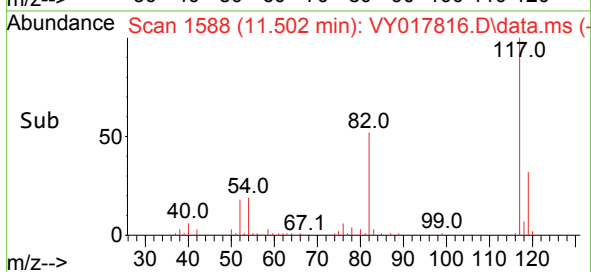
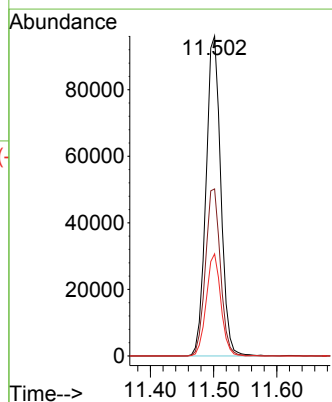
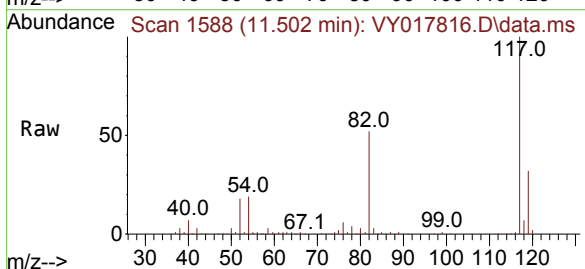
Instrument :
MSVOA_Y
ClientSampleId :
SEW-10

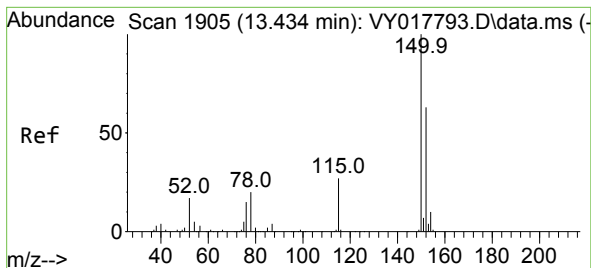
Tgt Ion: 95 Resp: 53273
Ion Ratio Lower Upper
95 100
174 88.1 0.0 175.6
176 86.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY017816.D
Acq: 02 Apr 2024 11:01

Tgt Ion: 117 Resp: 156521
Ion Ratio Lower Upper
117 100
82 52.2 42.4 63.6
119 31.9 25.9 38.9

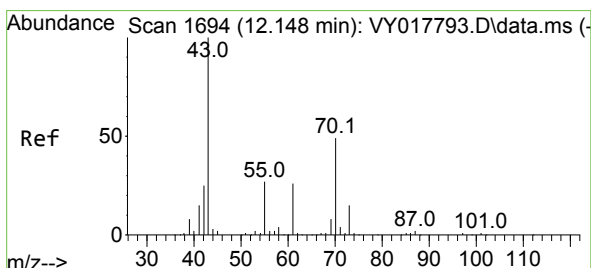
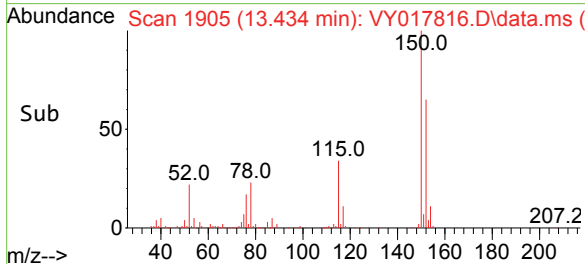
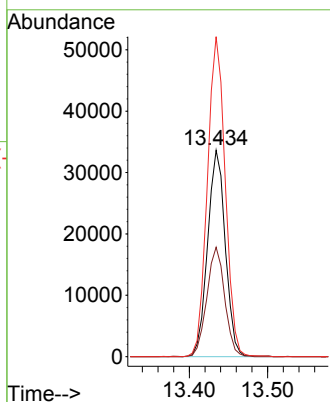
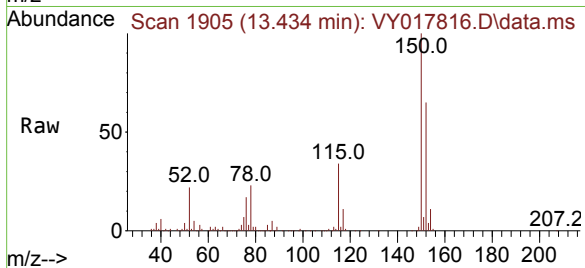




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY017816.D
Acq: 02 Apr 2024 11:01

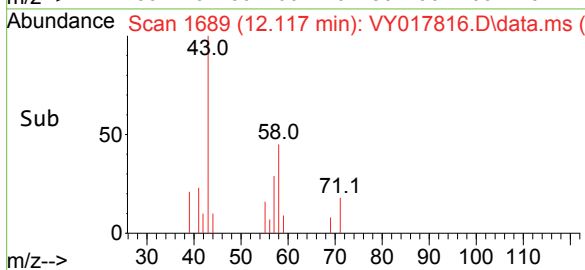
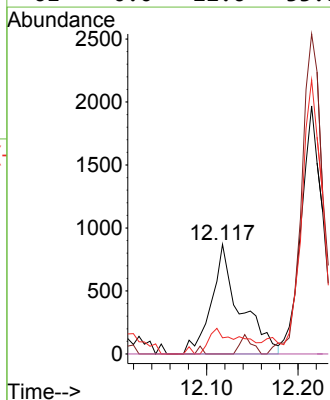
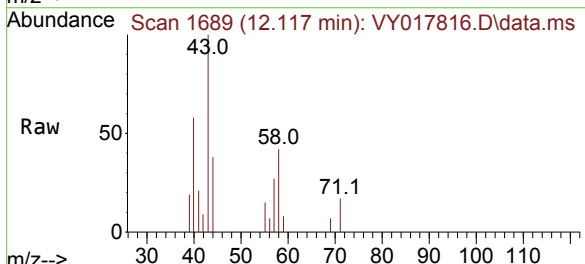
Instrument :
MSVOA_Y
ClientSampleId :
SEW-10

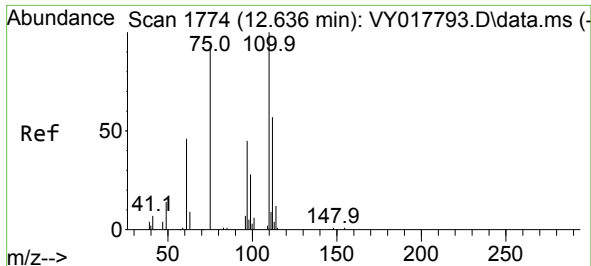
Tgt Ion:152 Resp: 52702
Ion Ratio Lower Upper
152 100
115 53.7 28.2 84.7
150 156.3 0.0 345.6



#74
N-ethyl acetate
Concen: 2.516 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.031 min
Lab File: VY017816.D
Acq: 02 Apr 2024 11:01

Tgt Ion: 43 Resp: 1898
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.2#
55 15.5 23.3 34.9#
61 0.0 22.6 33.8#

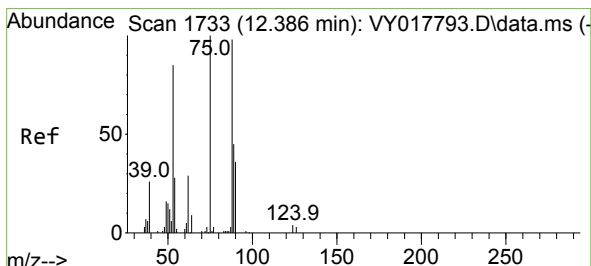
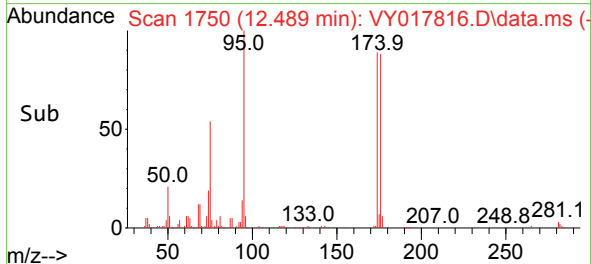
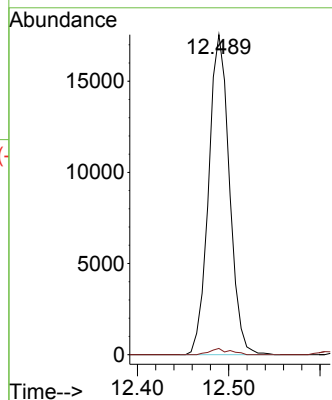
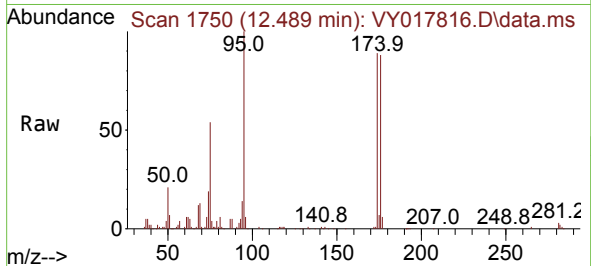




#76
1,2,3-Trichloropropane
Concen: 57.607 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY017816.D
Acq: 02 Apr 2024 11:01

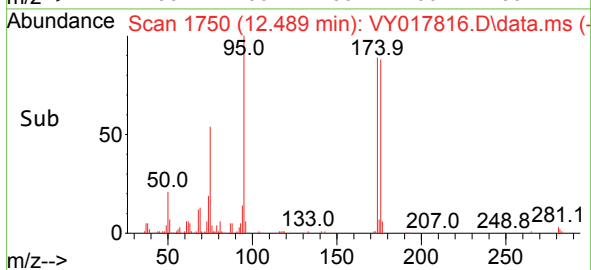
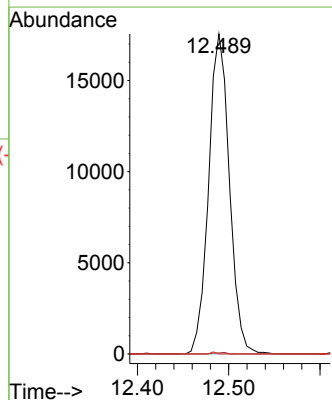
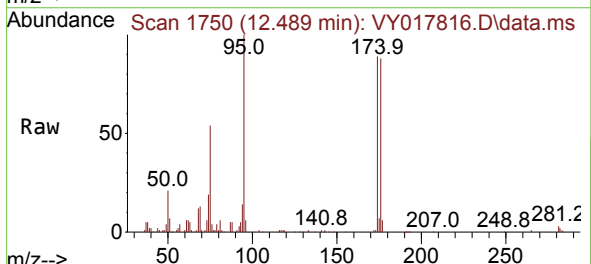
Instrument :
MSVOA_Y
ClientSampleId :
SEW-10

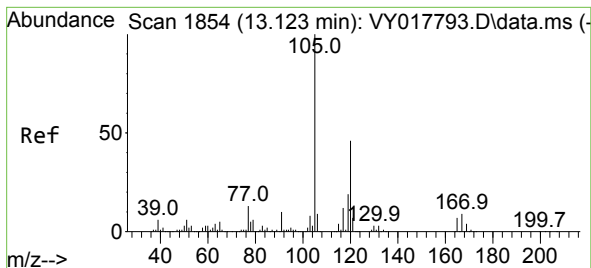
Tgt Ion: 75 Resp: 27666
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.027 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY017816.D
Acq: 02 Apr 2024 11:01

Tgt Ion: 75 Resp: 27666
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: 1.403 ug/l

RT: 13.129 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY017816.D

Acq: 02 Apr 2024 11:01

Instrument :

MSVOA_Y

ClientSampleId :

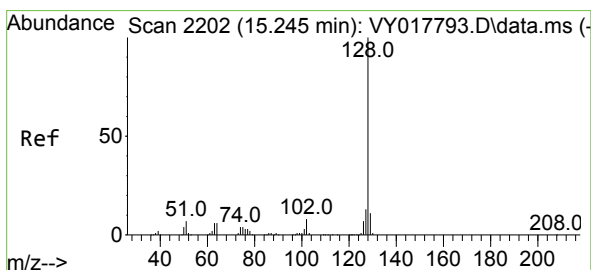
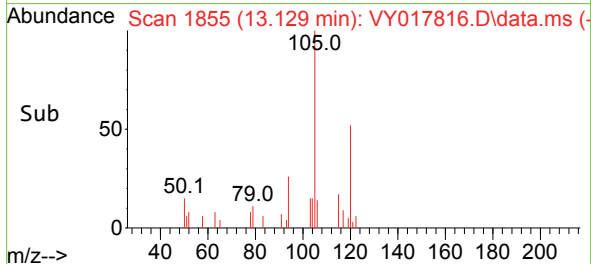
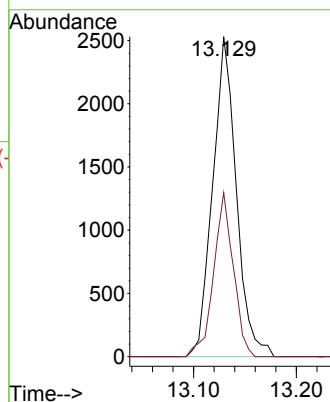
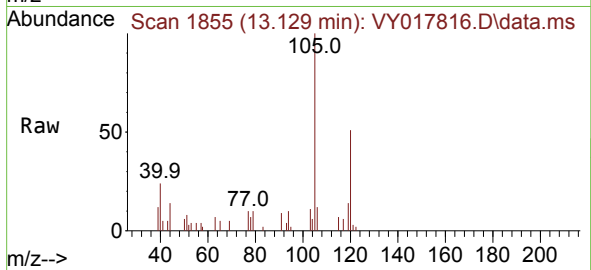
SEW-10

Tgt Ion:105 Resp: 4029

Ion Ratio Lower Upper

105 100

120 42.9 23.2 69.6



#95

Naphthalene

Concen: 2.602 ug/l

RT: 15.245 min Scan# 2202

Delta R.T. -0.000 min

Lab File: VY017816.D

Acq: 02 Apr 2024 11:01

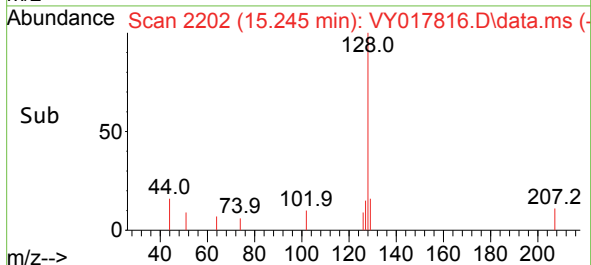
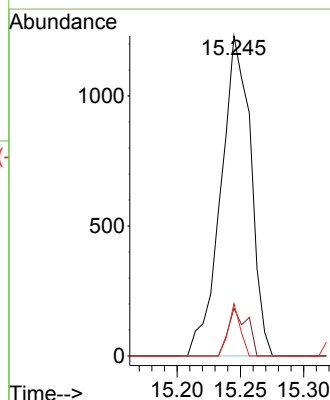
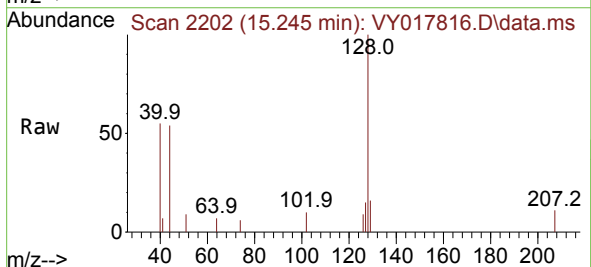
Tgt Ion:128 Resp: 2022

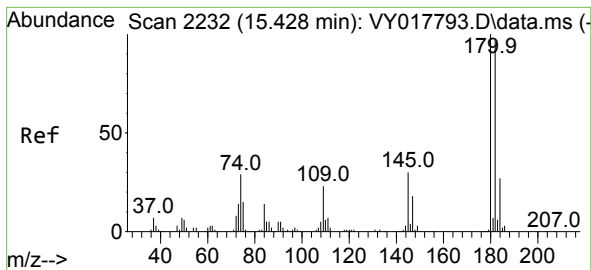
Ion Ratio Lower Upper

128 100

127 9.5 10.6 16.0#

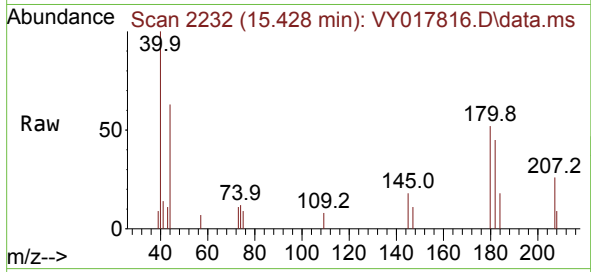
129 6.5 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.041 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY017816.D
 Acq: 02 Apr 2024 11:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 SEW-10



Tgt Ion:180 Resp: 697
 Ion Ratio Lower Upper
 180 100
 182 84.1 47.6 142.9
 145 30.0 15.4 46.1

