

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061724\
 Data File : VY018610.D
 Acq On : 17 Jun 2024 15:17
 Operator : SY/MD
 Sample : P2878-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 18 01:24:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

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

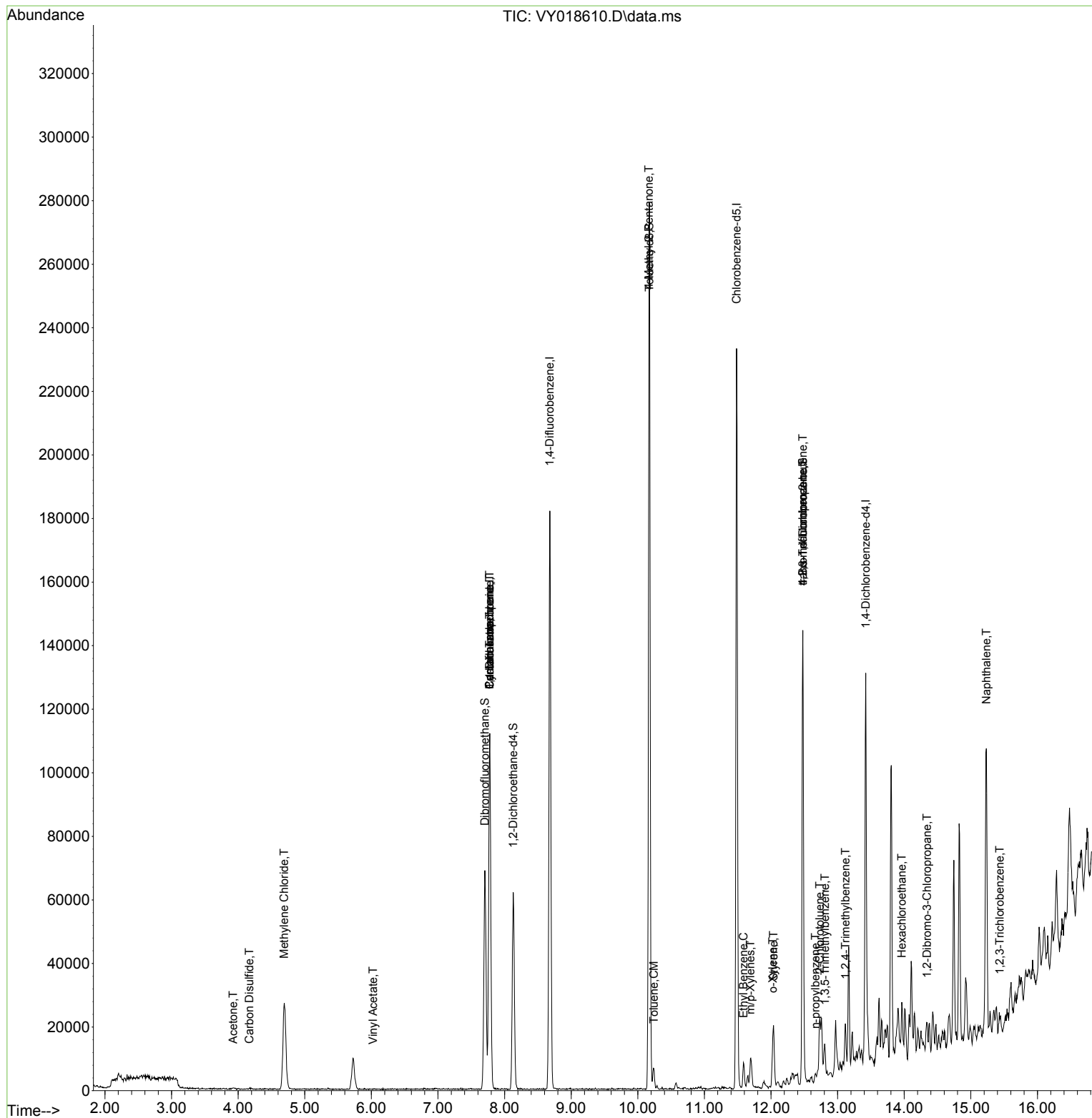
Internal Standards						
1) Pentafluorobenzene	7.776	168	81491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	153679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	124706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	28980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	46547	56.734	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.460%	
35) Dibromofluoromethane	7.703	113	48080	51.287	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.580%	
50) Toluene-d8	10.172	98	178482	49.507	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.020%	
62) 4-Bromofluorobenzene	12.477	95	41847	36.759	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 73.520%	
Target Compounds						
					Qvalue	
16) Acetone	3.923	43	381	2.283	ug/l #	36
17) Carbon Disulfide	4.167	76	325	2.351	ug/l #	76
20) Methylene Chloride	4.692	84	20019	12.793	ug/l	91
23) Vinyl Acetate	6.027	43	39	23.712	ug/l #	67
31) Cyclohexane	7.776	56	2111	1.680	ug/l #	5
36) 1,1-Dichloropropene	7.776	75	7043	5.458	ug/l #	49
38) Carbon Tetrachloride	7.776	117	8684	6.415	ug/l #	18
51) 4-Methyl-2-Pentanone	10.166	43	806	1.348	ug/l #	1
52) Toluene	10.239	92	2938	1.147	ug/l	92
67) Ethyl Benzene	11.587	91	4634	1.037	ug/l #	88
68) m/p-Xylenes	11.690	106	2668	1.534	ug/l	93
69) o-Xylene	12.026	106	2623	1.568	ug/l	93
70) Styrene	12.038	104	7471	2.704	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	22565	83.007	ug/l #	100
78) n-propylbenzene	12.666	91	2976	1.202	ug/l	93
79) 2-Chlorotoluene	12.733	91	1716	1.227	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.812	105	3223	1.922	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.477	75	22565	217.426	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.117	105	8668	5.171	ug/l	100
90) Hexachloroethane	13.964	117	725	2.126	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.342	75	233	4.282	ug/l #	1
95) Naphthalene	15.232	128	76475	87.109	ug/l	97
96) 1,2,3-Trichlorobenzene	15.434	180	737	1.857	ug/l #	34

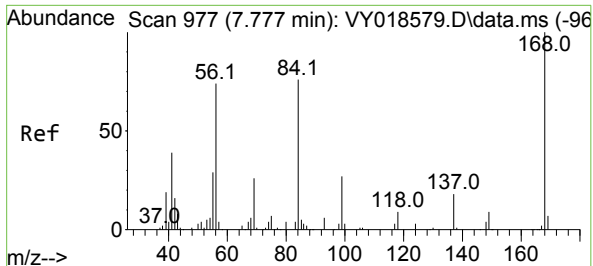
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061724\
Data File : VY018610.D
Acq On : 17 Jun 2024 15:17
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Sample : P2878-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

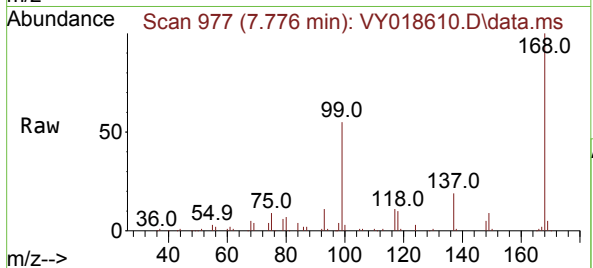
Quant Time: Jun 18 01:24:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 14 07:08:24 2024
Response via : Initial Calibration



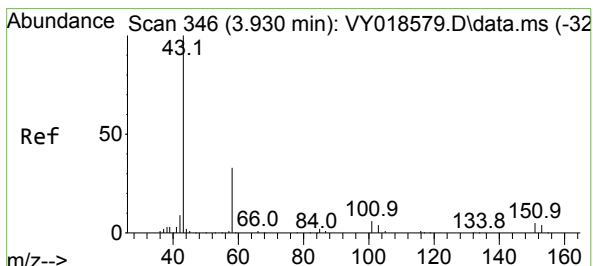
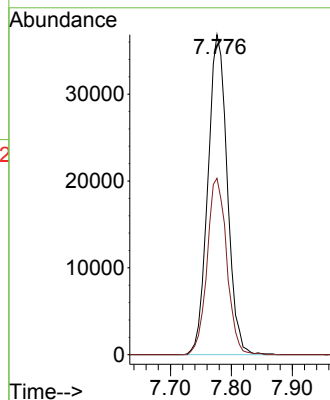
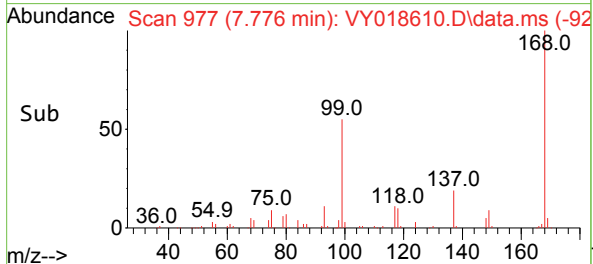


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

Instrument :
MSVOA_Y
ClientSampleId :

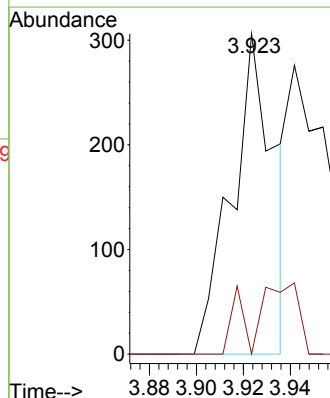
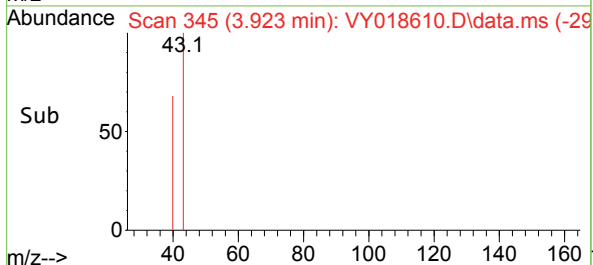
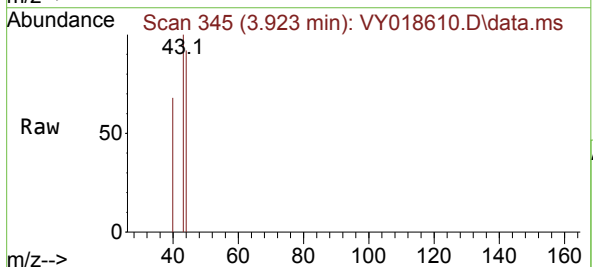


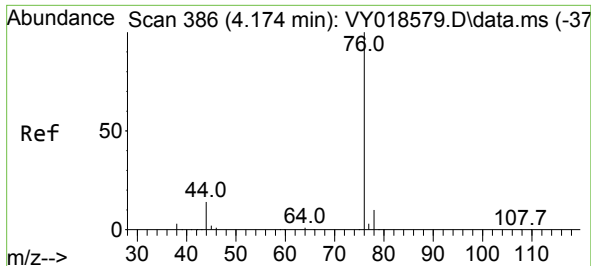
Tgt Ion:168 Resp: 81491
Ion Ratio Lower Upper
168 100
99 55.1 39.1 58.7



#16
Acetone
Concen: 2.283 ug/l
RT: 3.923 min Scan# 345
Delta R.T. -0.006 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

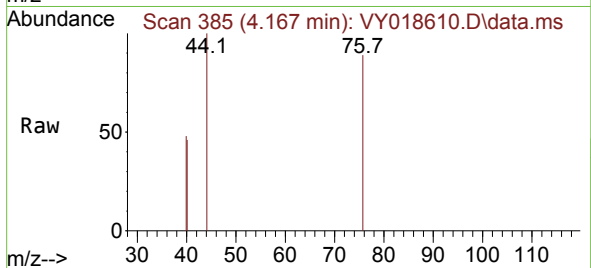
Tgt Ion: 43 Resp: 381
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



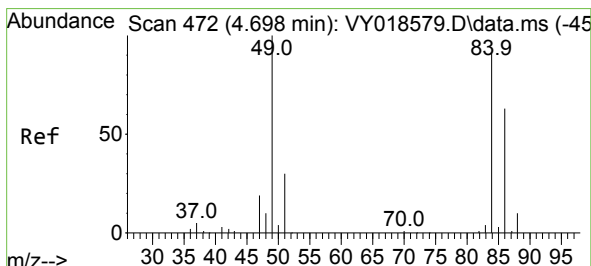
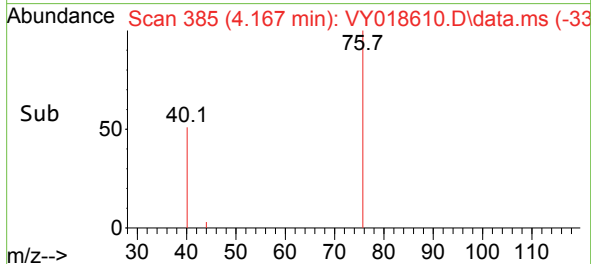
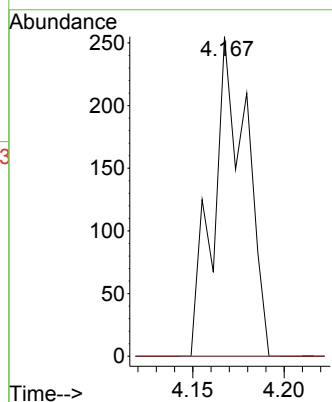


#17
Carbon Disulfide
Concen: 2.351 ug/l
RT: 4.167 min Scan# 31
Delta R.T. -0.007 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

Instrument :
MSVOA_Y
ClientSampleId :

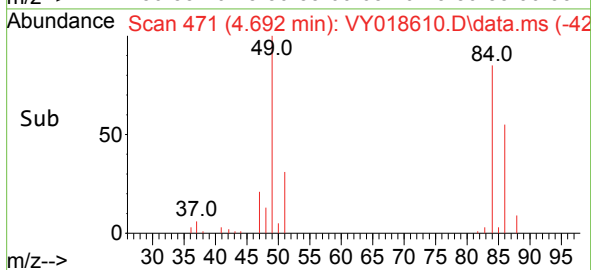
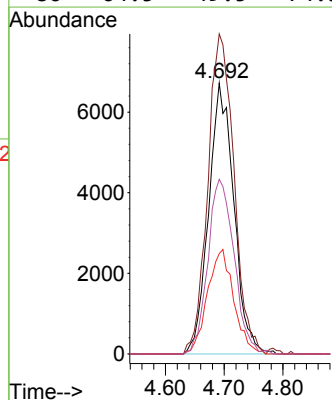
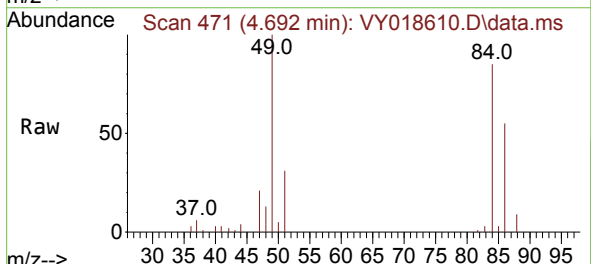


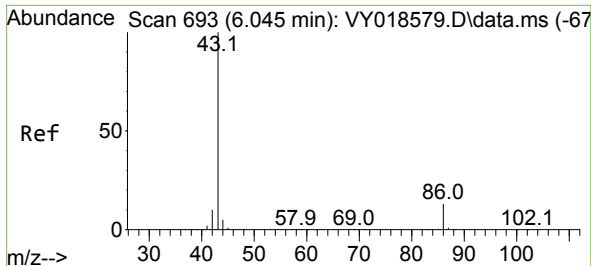
Tgt Ion: 76 Resp: 325
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 12.793 ug/l
RT: 4.692 min Scan# 471
Delta R.T. -0.006 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

Tgt Ion: 84 Resp: 20019
Ion Ratio Lower Upper
84 100
49 118.1 84.4 126.6
51 37.0 26.0 39.0
86 64.5 49.5 74.3

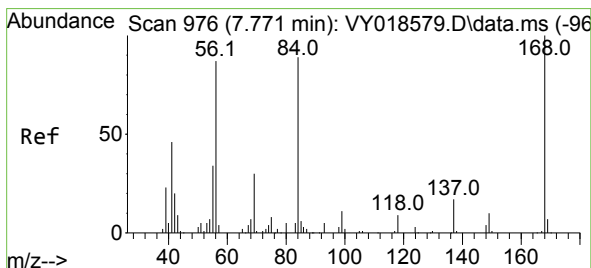
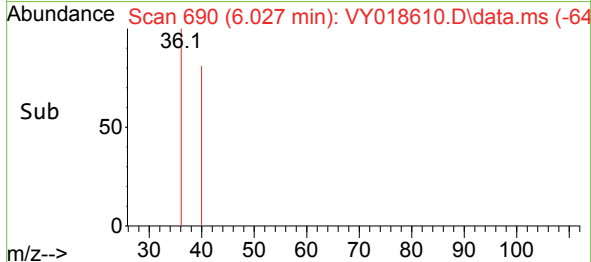
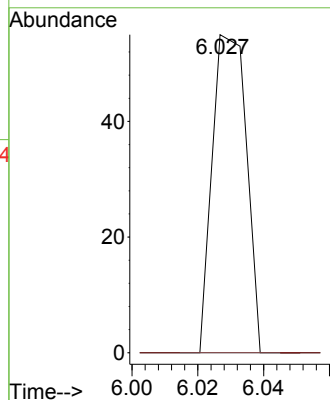
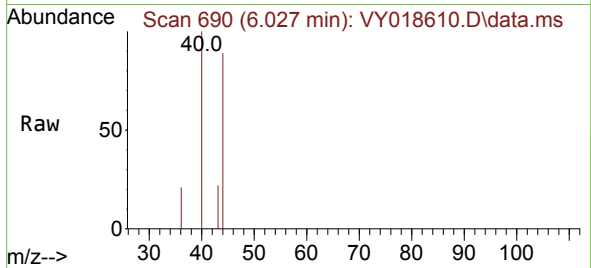




#23
 Vinyl Acetate
 Concen: 23.712 ug/l
 RT: 6.027 min Scan# 61
 Delta R.T. -0.018 min
 Lab File: VY018610.D
 Acq: 17 Jun 2024 15:17

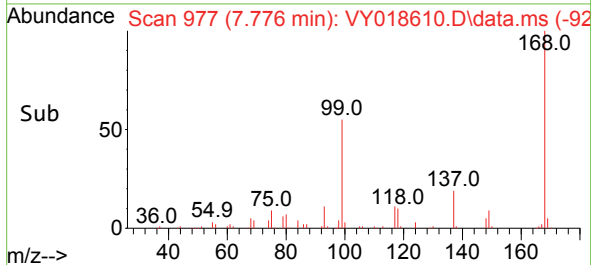
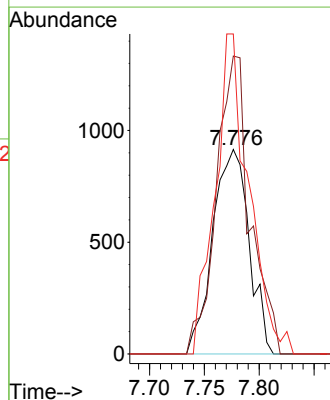
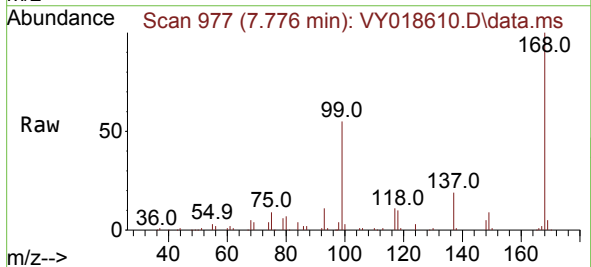
Instrument :
 MSVOA_Y
 ClientSampleId :

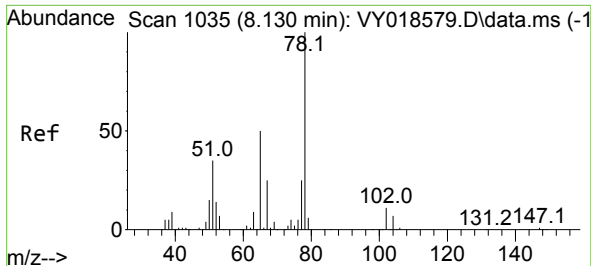
Tgt Ion: 43 Resp: 39
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.6 16.0#



#31
 Cyclohexane
 Concen: 1.680 ug/l
 RT: 7.776 min Scan# 977
 Delta R.T. 0.006 min
 Lab File: VY018610.D
 Acq: 17 Jun 2024 15:17

Tgt Ion: 56 Resp: 2111
 Ion Ratio Lower Upper
 56 100
 69 145.7 28.7 43.1#
 84 156.5 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 56.734 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VY018610.D

Acq: 17 Jun 2024 15:17

Instrument :

MSVOA_Y

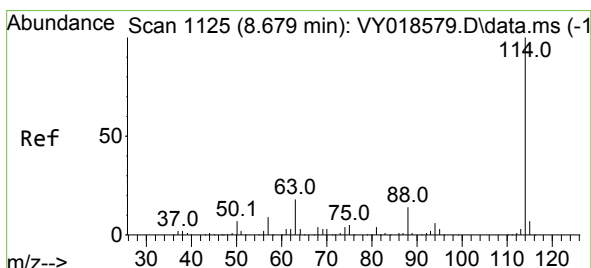
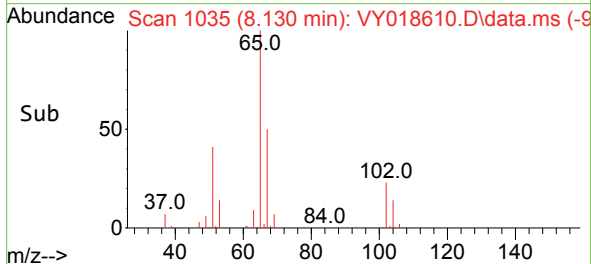
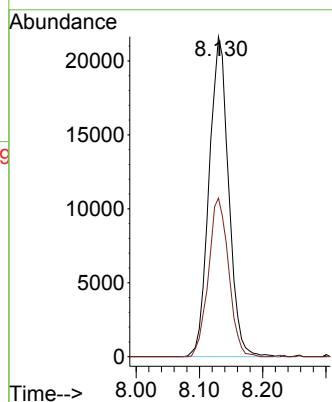
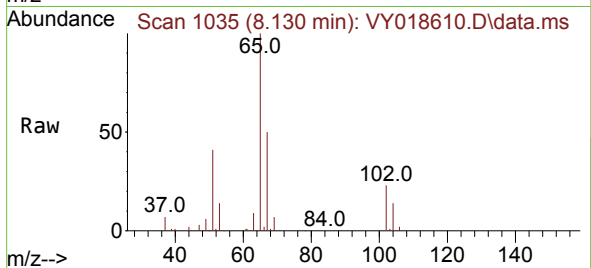
ClientSampleId :

Tgt Ion: 65 Resp: 46547

Ion Ratio Lower Upper

65 100

67 51.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VY018610.D

Acq: 17 Jun 2024 15:17

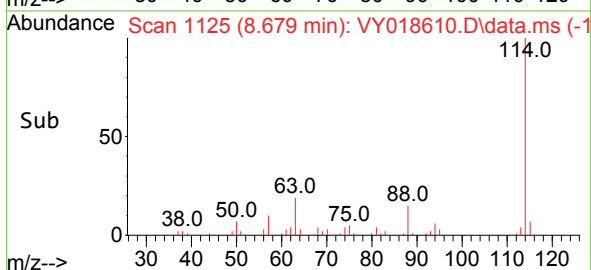
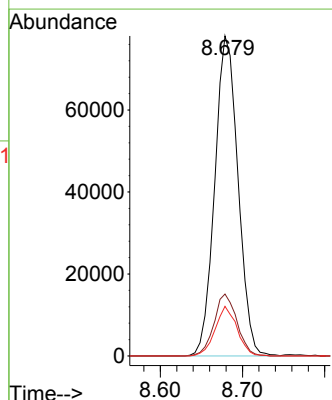
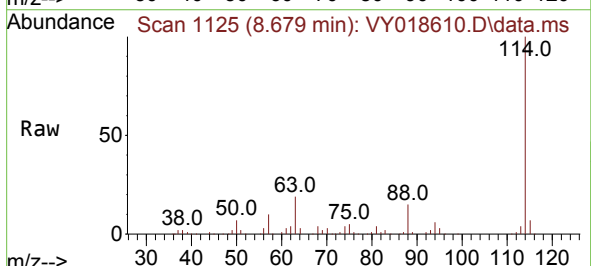
Tgt Ion: 114 Resp: 153679

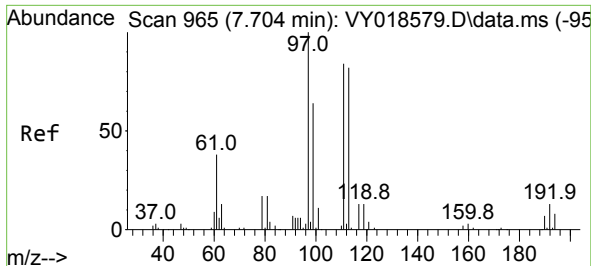
Ion Ratio Lower Upper

114 100

63 19.4 0.0 35.0

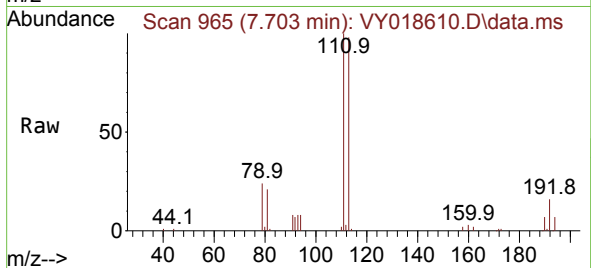
88 15.5 0.0 27.2



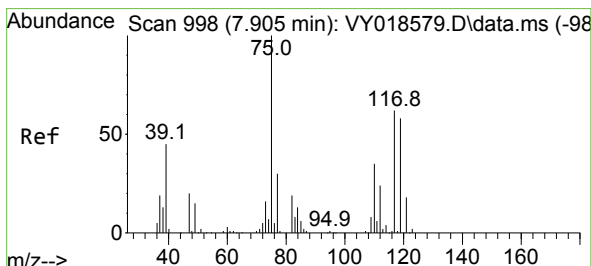
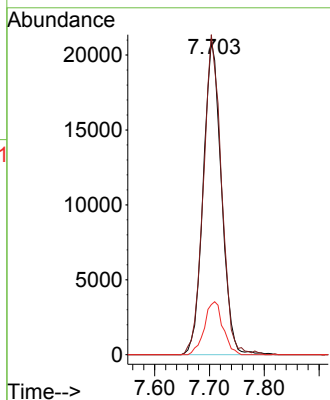
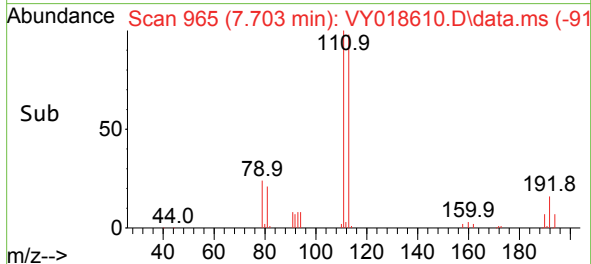


#35
Dibromofluoromethane
Concen: 51.287 ug/l
RT: 7.703 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

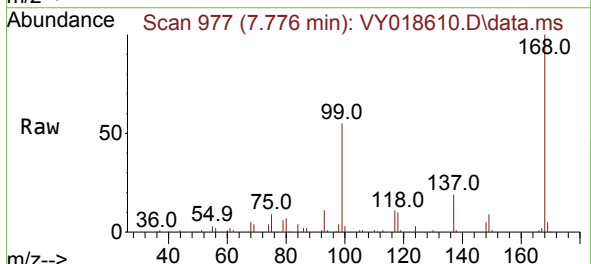
Instrument :
MSVOA_Y
ClientSampleId :



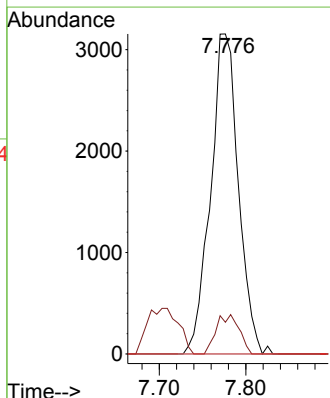
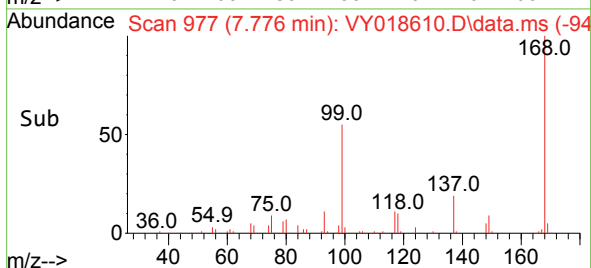
Tgt Ion:113 Resp: 48080
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.4
192 17.3 15.9 23.9

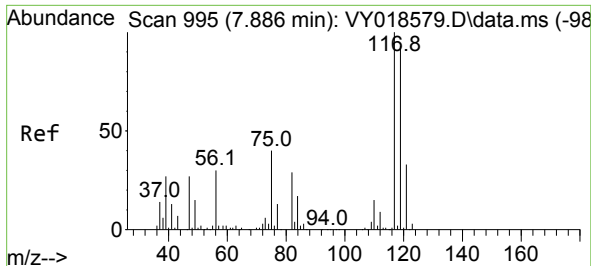


#36
1,1-Dichloropropene
Concen: 5.458 ug/l
RT: 7.776 min Scan# 977
Delta R.T. -0.128 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17



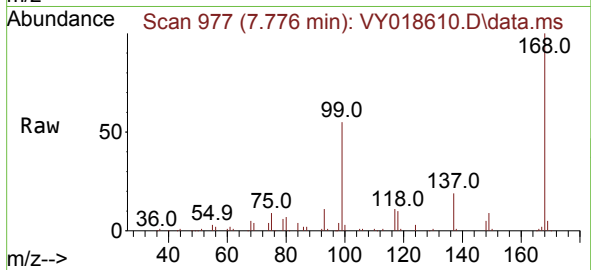
Tgt Ion: 75 Resp: 7043
Ion Ratio Lower Upper
75 100
110 10.2 19.0 57.0#
77 0.0 25.3 37.9#



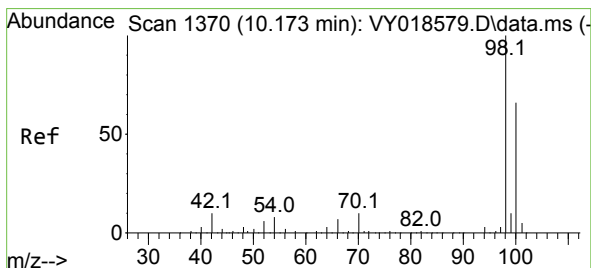
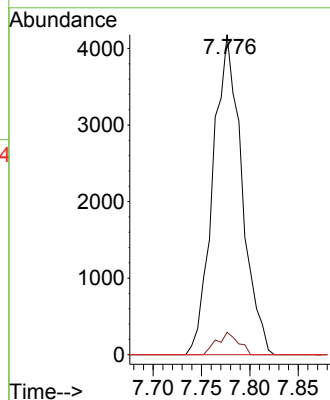
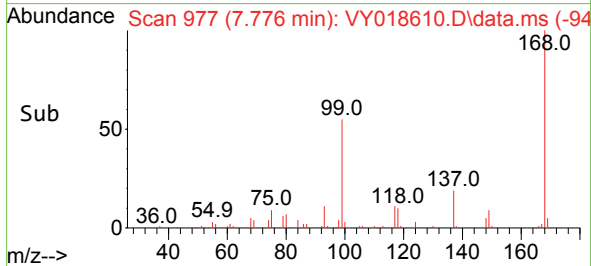


#38
Carbon Tetrachloride
Concen: 6.415 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

Instrument :
MSVOA_Y
ClientSampleId :

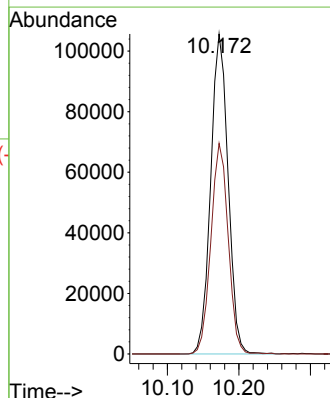
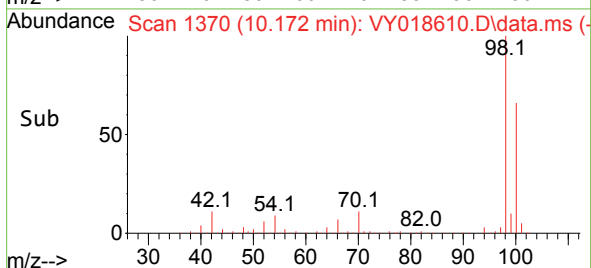
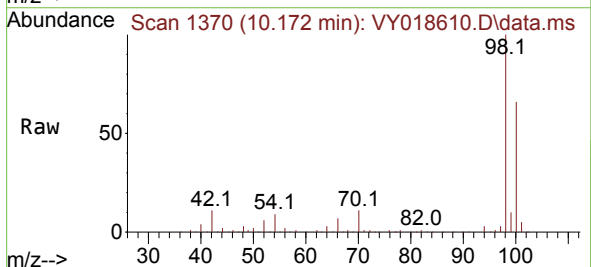


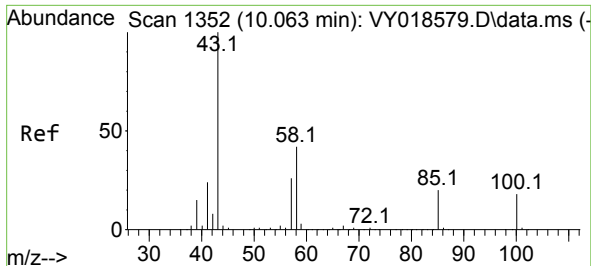
Tgt Ion:117 Resp: 8684
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.507 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

Tgt Ion: 98 Resp: 178482
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0

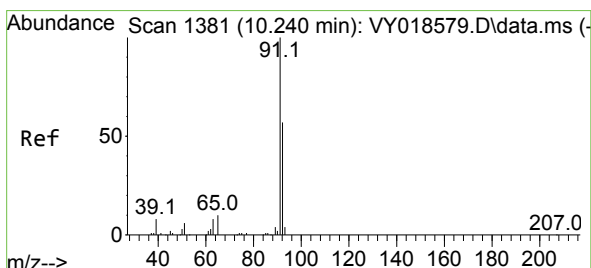
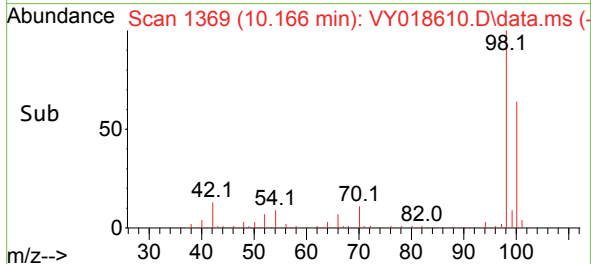
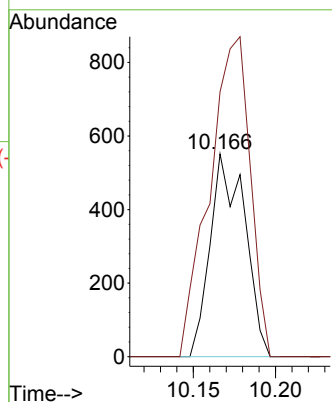
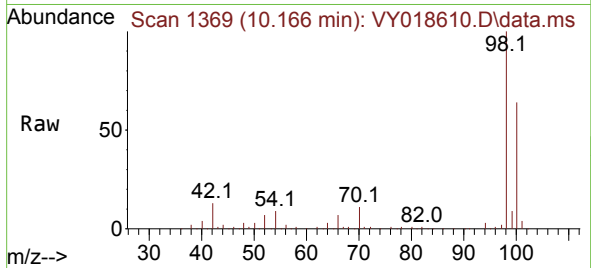




#51
4-Methyl-2-Pentanone
Concen: 1.348 ug/l
RT: 10.166 min Scan# 1369
Delta R.T. 0.103 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

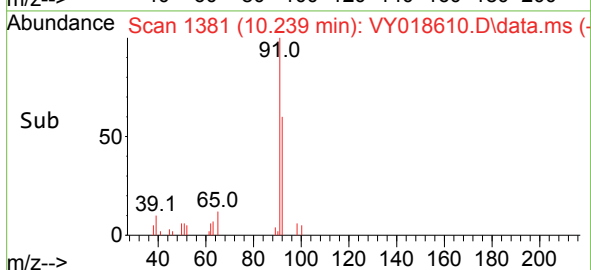
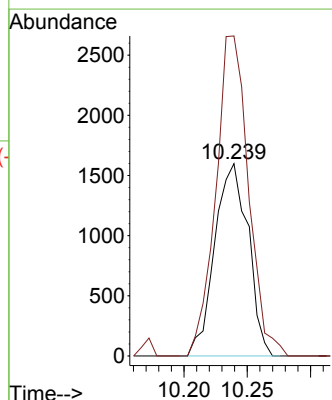
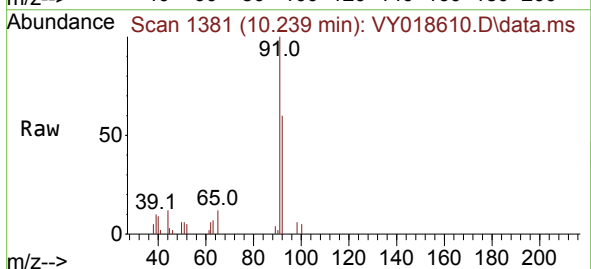
Instrument :
MSVOA_Y
ClientSampleId :

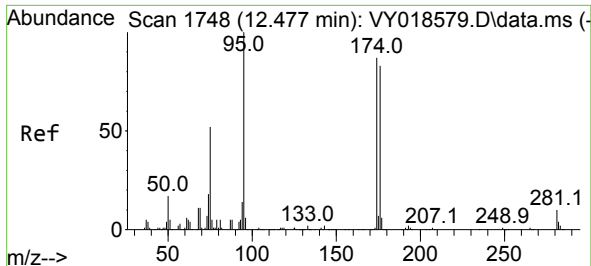
Tgt Ion: 43 Resp: 806
Ion Ratio Lower Upper
43 100
58 185.6 35.7 53.5#



#52
Toluene
Concen: 1.147 ug/l
RT: 10.239 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

Tgt Ion: 92 Resp: 2938
Ion Ratio Lower Upper
92 100
91 163.0 139.0 208.6

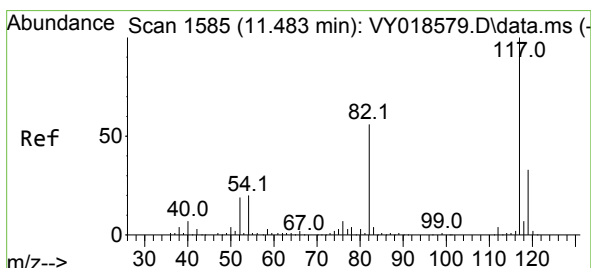
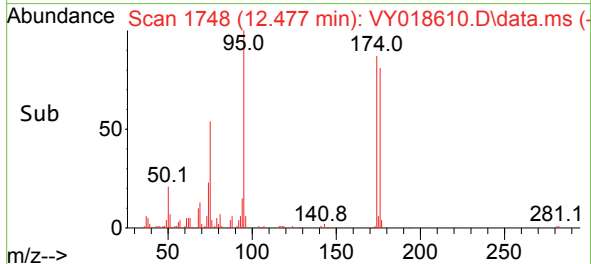
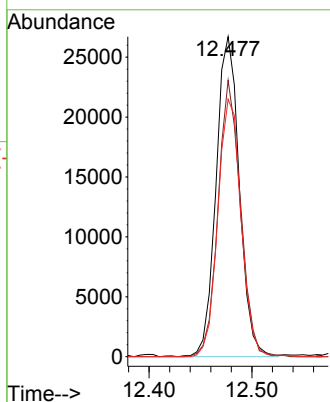
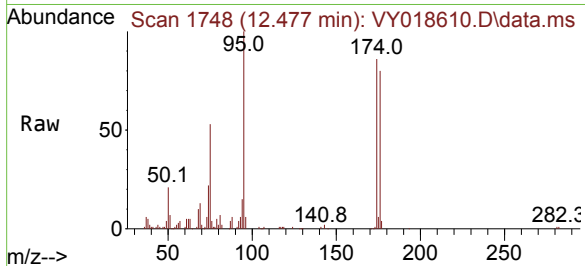




#62
4-Bromofluorobenzene
Concen: 36.759 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

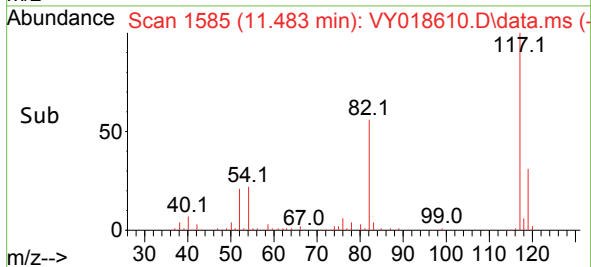
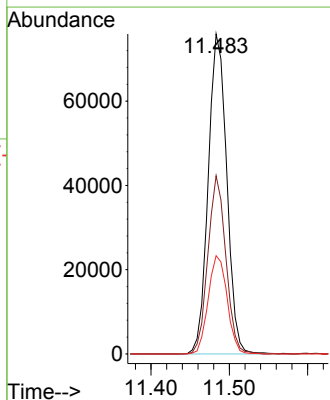
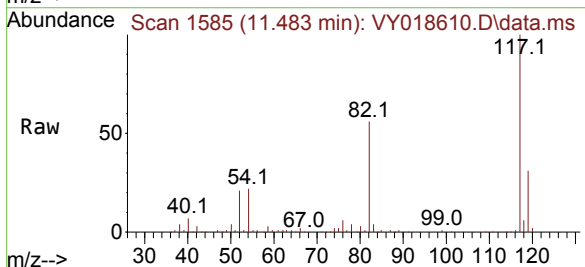
Instrument :
MSVOA_Y
ClientSampleId :

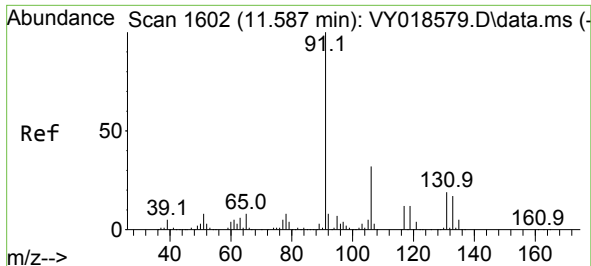
Tgt Ion: 95 Resp: 41847
Ion Ratio Lower Upper
95 100
174 83.5 0.0 175.6
176 80.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.000 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

Tgt Ion: 117 Resp: 124706
Ion Ratio Lower Upper
117 100
82 55.7 42.4 63.6
119 30.7 25.9 38.9

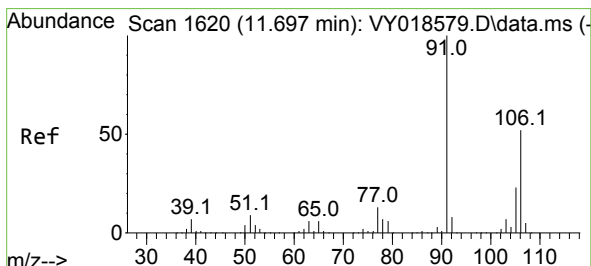
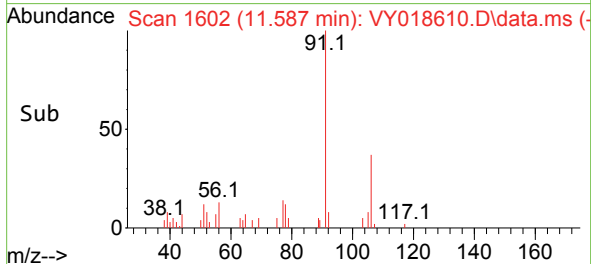
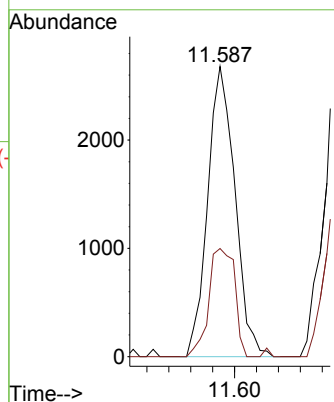
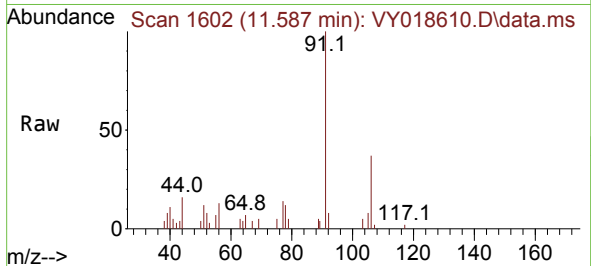




#67
Ethyl Benzene
Concen: 1.037 ug/l
RT: 11.587 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

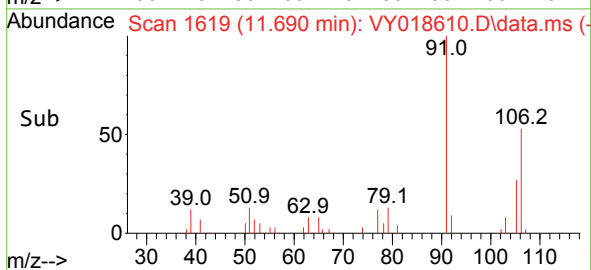
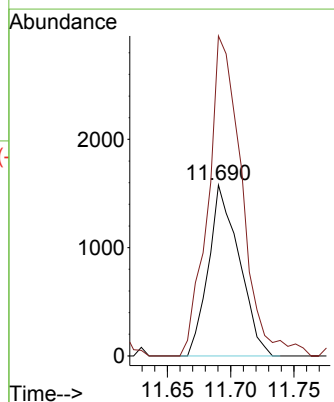
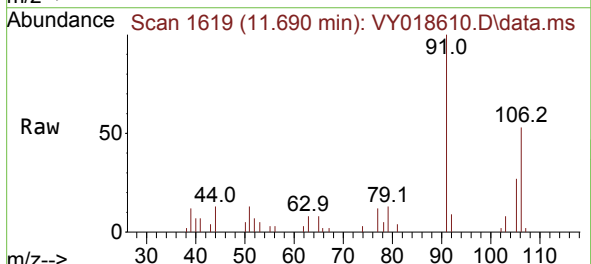
Instrument :
MSVOA_Y
ClientSampleId :

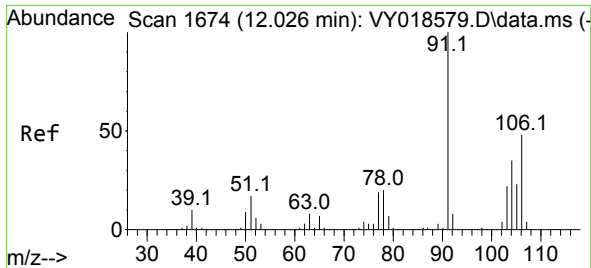
Tgt Ion: 91 Resp: 4634
Ion Ratio Lower Upper
91 100
106 37.3 24.5 36.7#



#68
m/p-Xylenes
Concen: 1.534 ug/l
RT: 11.690 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

Tgt Ion:106 Resp: 2668
Ion Ratio Lower Upper
106 100
91 206.0 156.0 234.0

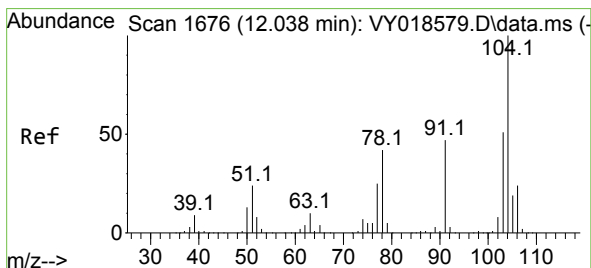
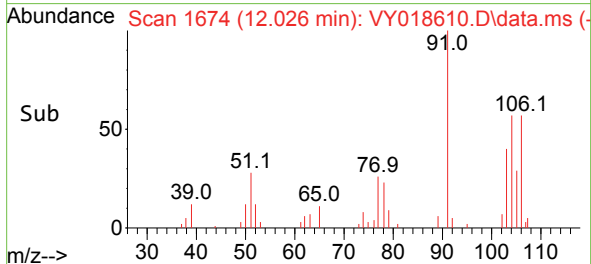
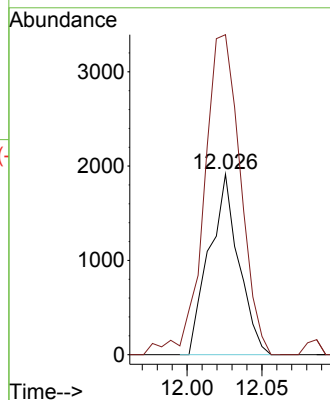
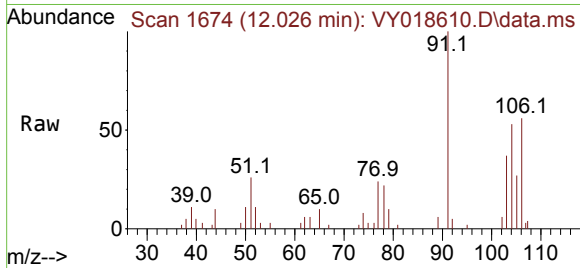




#69
o-Xylene
Concen: 1.568 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

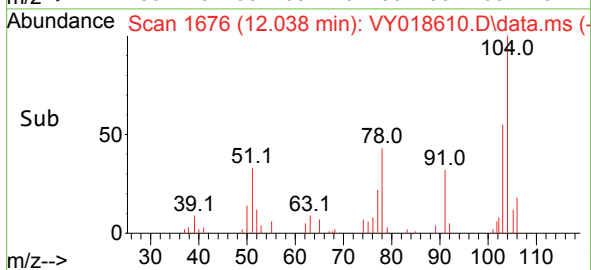
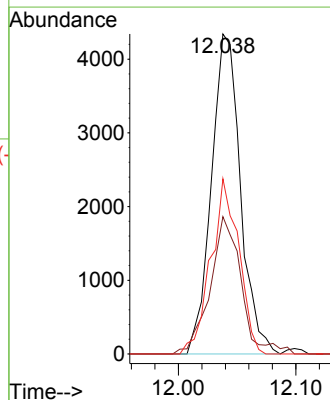
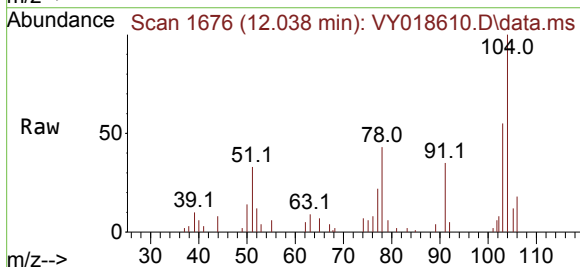
Instrument :
MSVOA_Y
ClientSampleId :

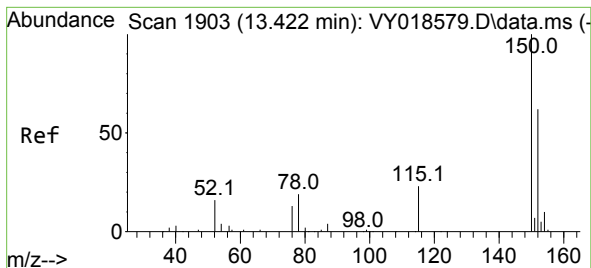
Tgt Ion:106 Resp: 2623
Ion Ratio Lower Upper
106 100
91 218.6 103.6 310.8



#70
Styrene
Concen: 2.704 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

Tgt Ion:104 Resp: 7471
Ion Ratio Lower Upper
104 100
78 45.7 37.0 55.4
103 52.6 44.2 66.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY018610.D

Acq: 17 Jun 2024 15:17

Instrument :

MSVOA_Y

ClientSampleId :

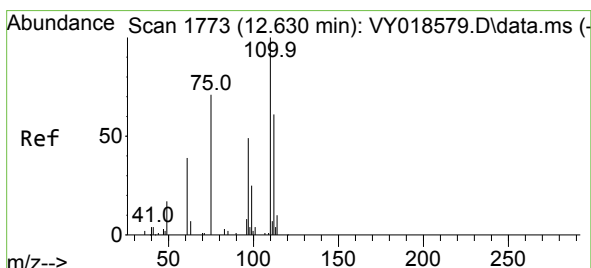
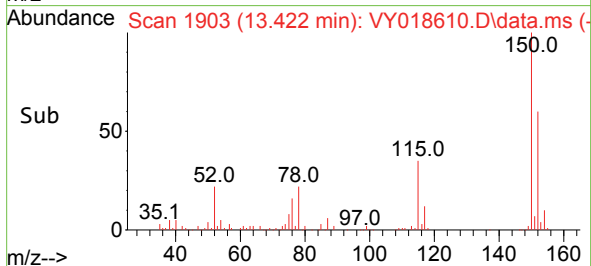
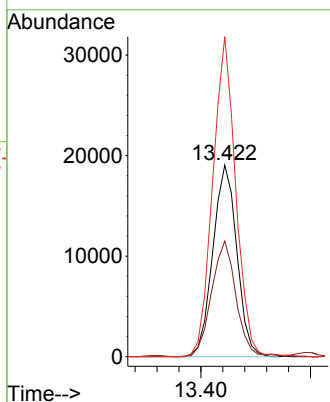
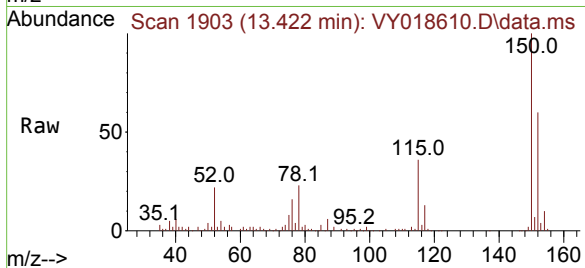
Tgt Ion:152 Resp: 28980

Ion Ratio Lower Upper

152 100

115 61.4 28.2 84.7

150 160.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 83.007 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY018610.D

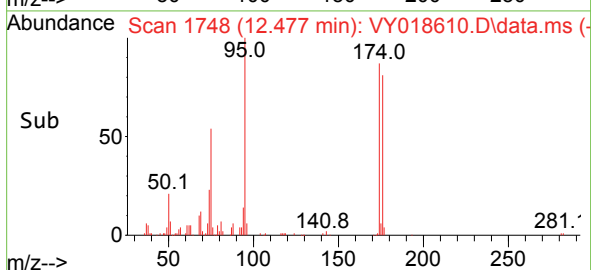
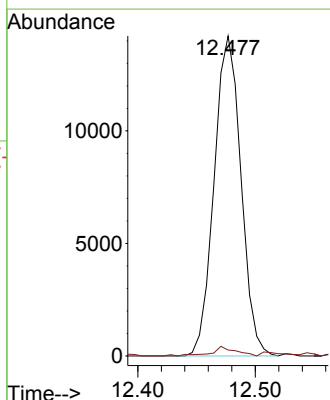
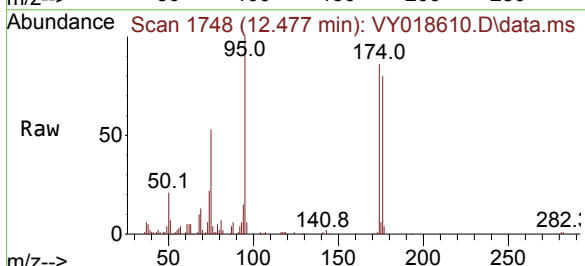
Acq: 17 Jun 2024 15:17

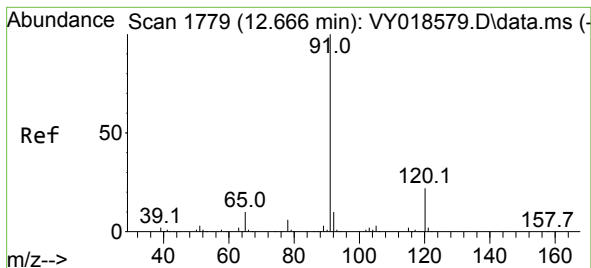
Tgt Ion: 75 Resp: 22565

Ion Ratio Lower Upper

75 100

77 2.7 0.0 0.0#





#78

n-propylbenzene

Concen: 1.202 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VY018610.D

Acq: 17 Jun 2024 15:17

Instrument :

MSVOA_Y

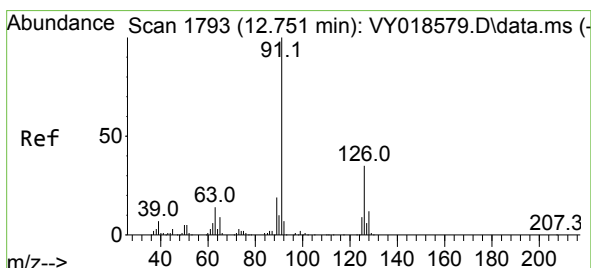
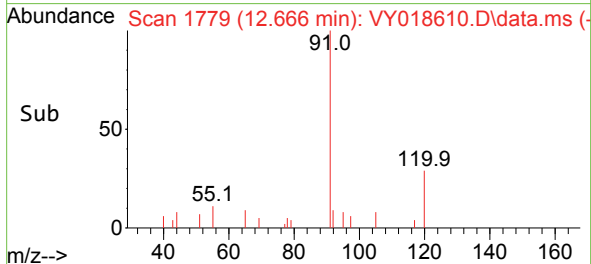
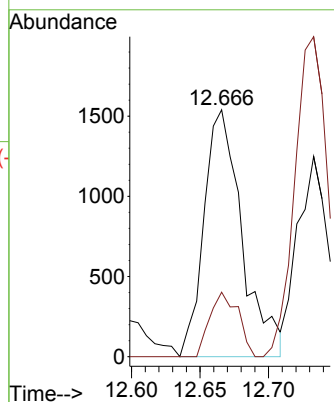
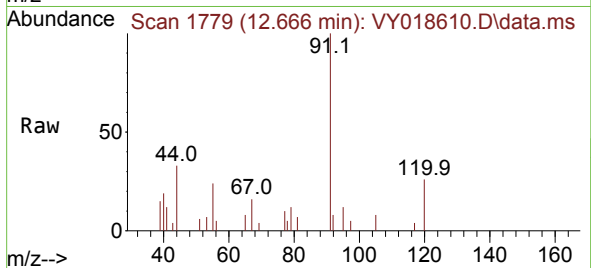
ClientSampleId :

Tgt Ion: 91 Resp: 2976

Ion Ratio Lower Upper

91 100

120 19.5 11.5 34.4



#79

2-Chlorotoluene

Concen: 1.227 ug/l

RT: 12.733 min Scan# 1790

Delta R.T. -0.019 min

Lab File: VY018610.D

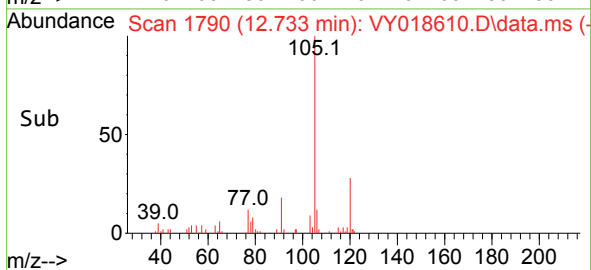
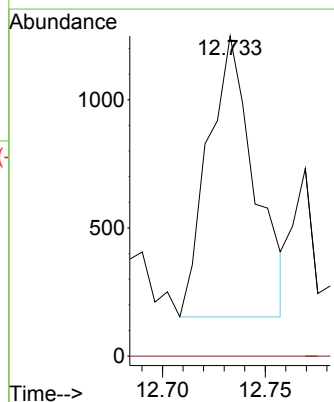
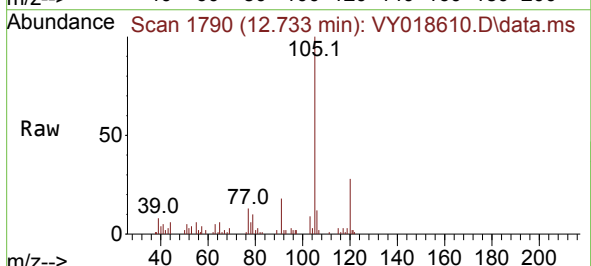
Acq: 17 Jun 2024 15:17

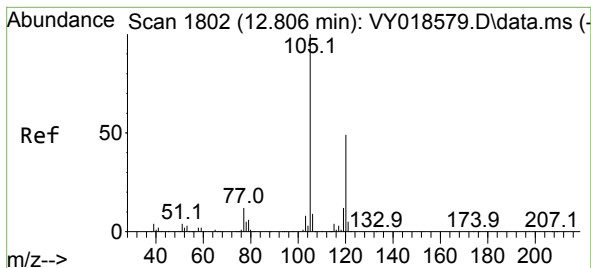
Tgt Ion: 91 Resp: 1716

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.5#





#80

1,3,5-Trimethylbenzene

Concen: 1.922 ug/l

RT: 12.812 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018610.D

Acq: 17 Jun 2024 15:17

Instrument :

MSVOA_Y

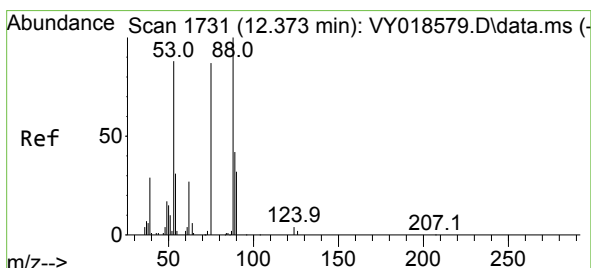
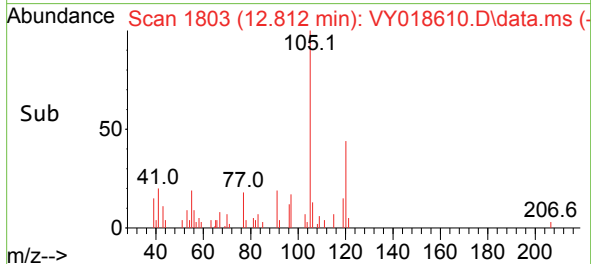
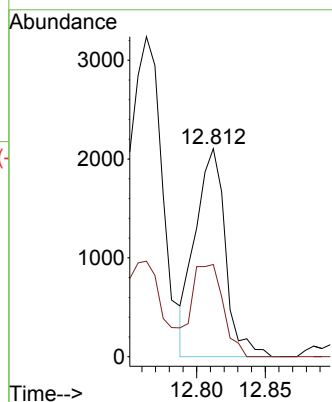
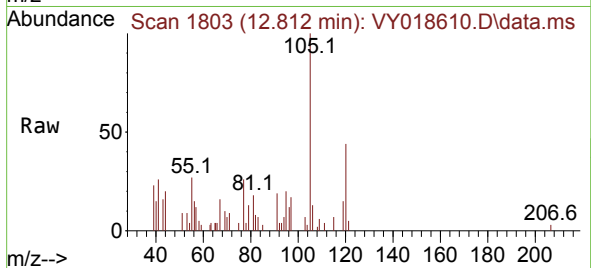
ClientSampleId :

Tgt Ion:105 Resp: 3223

Ion Ratio Lower Upper

105 100

120 45.7 25.1 75.2



#81

trans-1,4-Dichloro-2-butene

Concen: 217.426 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.103 min

Lab File: VY018610.D

Acq: 17 Jun 2024 15:17

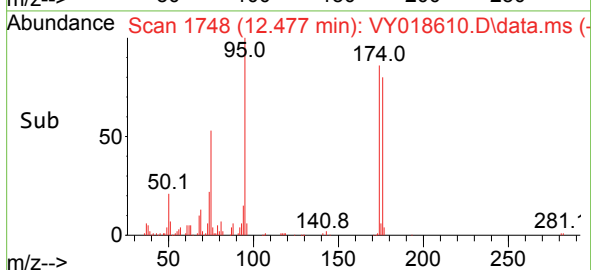
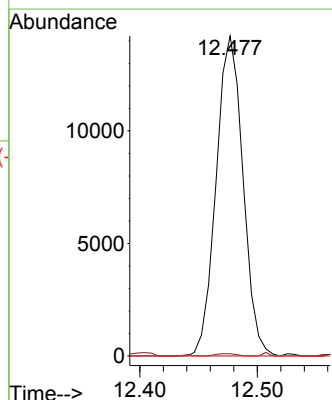
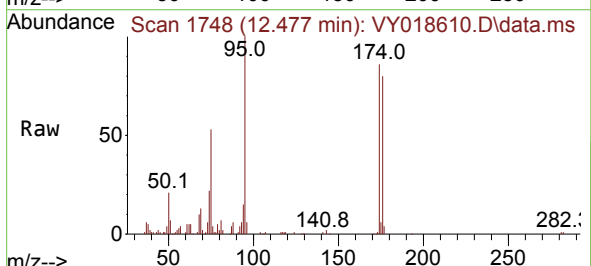
Tgt Ion: 75 Resp: 22565

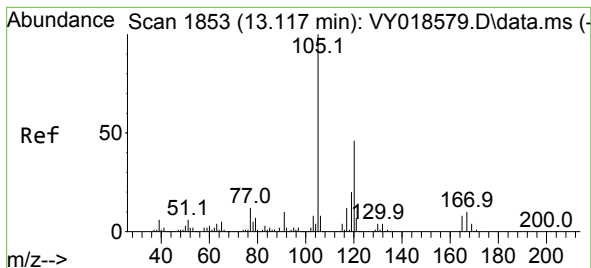
Ion Ratio Lower Upper

75 100

53 0.5 66.8 100.2#

89 0.0 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 5.171 ug/l

RT: 13.117 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018610.D

Acq: 17 Jun 2024 15:17

Instrument :

MSVOA_Y

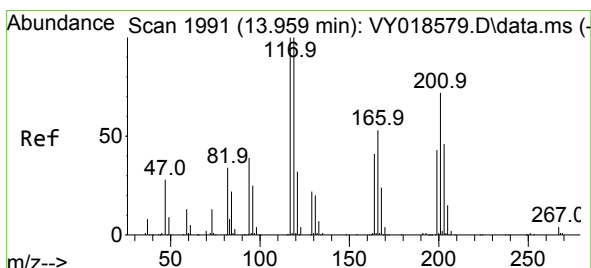
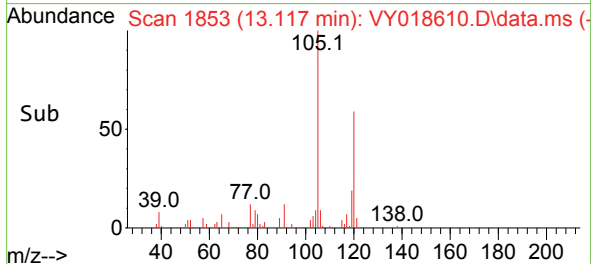
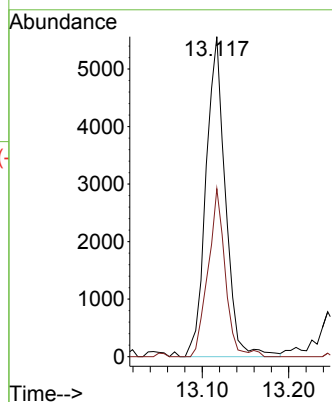
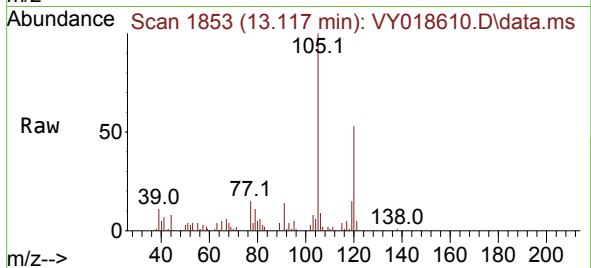
ClientSampleId :

Tgt Ion:105 Resp: 8668

Ion Ratio Lower Upper

105 100

120 46.5 23.2 69.6



#90

Hexachloroethane

Concen: 2.126 ug/l

RT: 13.964 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY018610.D

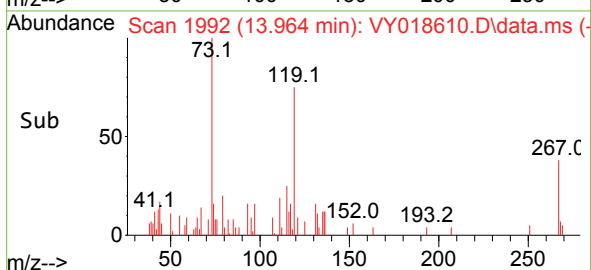
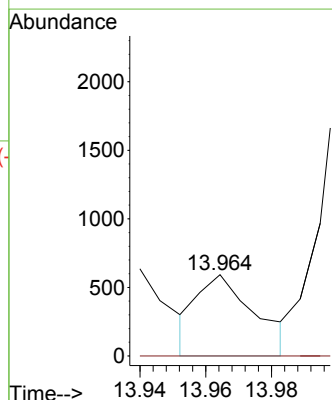
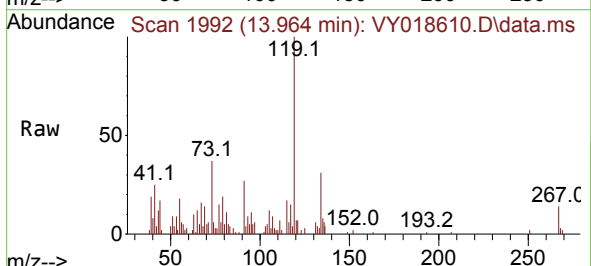
Acq: 17 Jun 2024 15:17

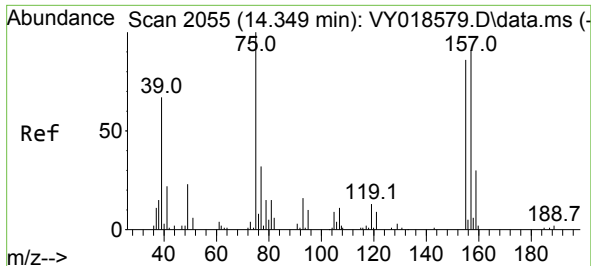
Tgt Ion:117 Resp: 725

Ion Ratio Lower Upper

117 100

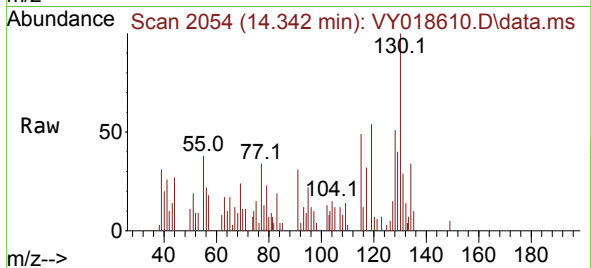
201 0.0 37.4 112.2#



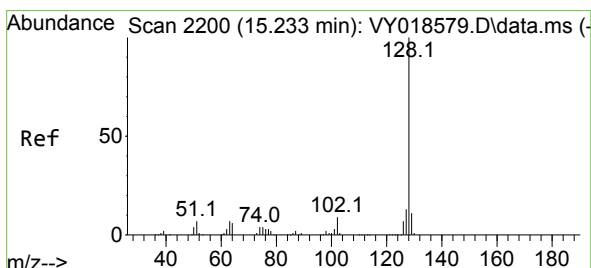
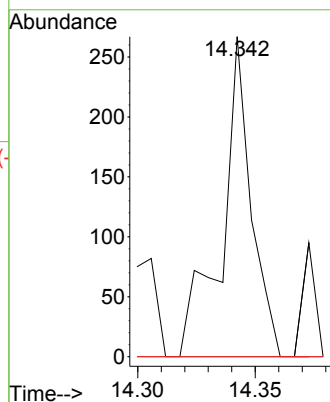
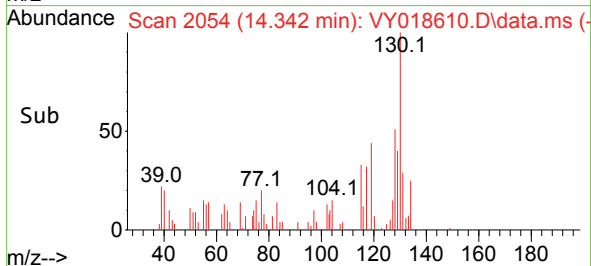


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.282 ug/l
RT: 14.342 min Scan# 2054
Delta R.T. -0.006 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

Instrument :
MSVOA_Y
ClientSampleId :

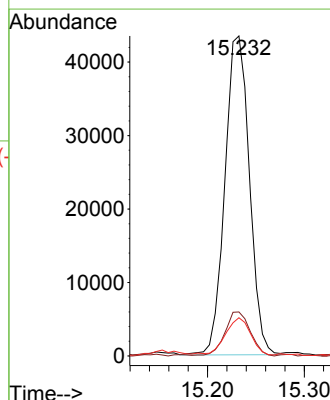
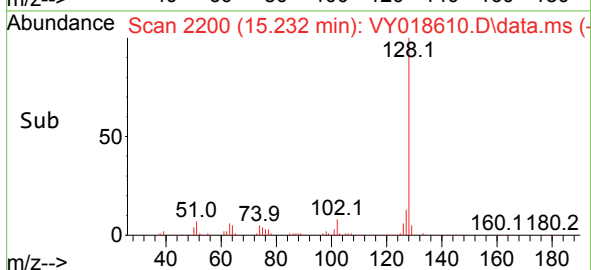
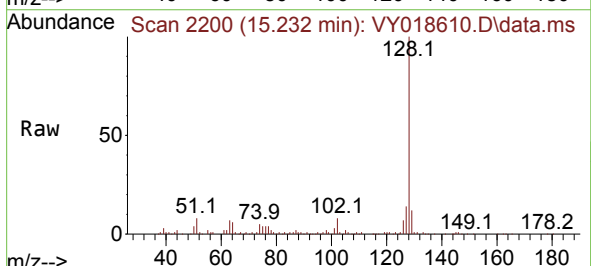


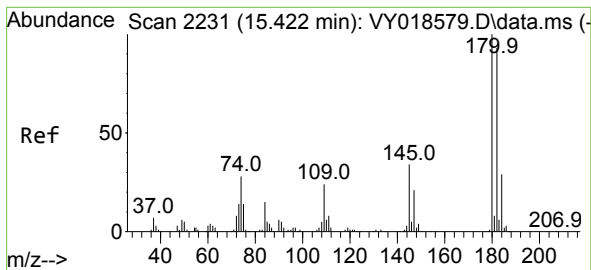
Tgt Ion: 75 Resp: 233
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#



#95
Naphthalene
Concen: 87.109 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY018610.D
Acq: 17 Jun 2024 15:17

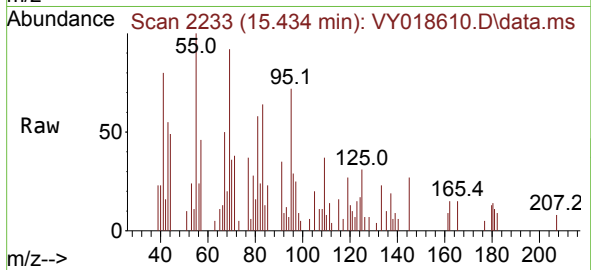
Tgt Ion: 128 Resp: 76475
Ion Ratio Lower Upper
128 100
127 14.3 10.6 16.0
129 12.2 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.857 ug/l
 RT: 15.434 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VY018610.D
 Acq: 17 Jun 2024 15:17

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	737
Ion Ratio	Lower	Upper	
180	100		
182	61.1	47.6	142.9
145	118.9	15.4	46.1#

