

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014779.D
 Acq On : 24 Jul 2023 17:53
 Operator : SY/MD
 Sample : 03719-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P22A

Quant Time: Jul 25 01:31:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

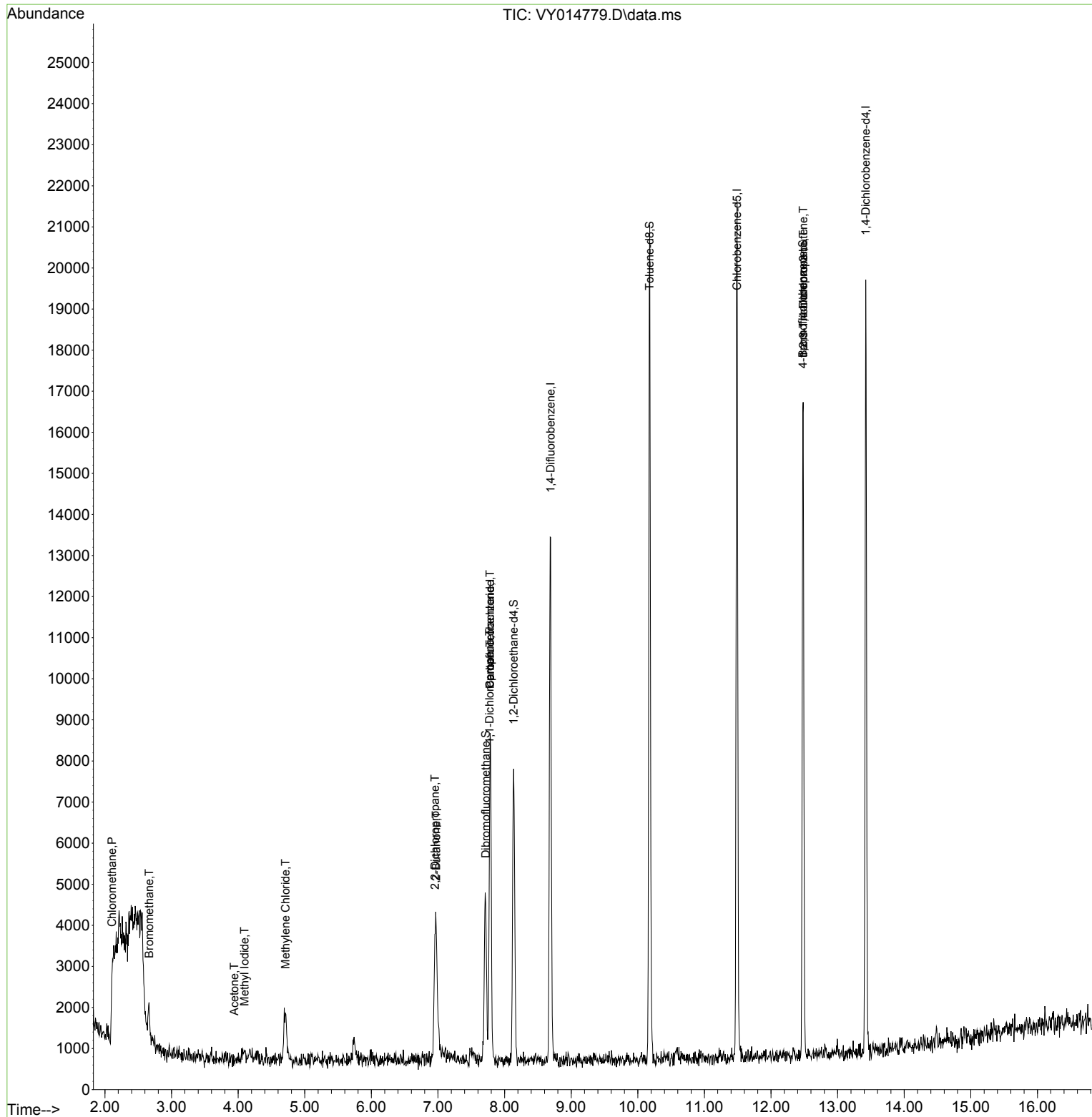
Internal Standards						
1) Pentafluorobenzene	7.783	168	6650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	11781	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	11538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	4838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	5538	73.081	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.160%	
35) Dibromofluoromethane	7.716	113	3194	42.590	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 85.180%	
50) Toluene-d8	10.179	98	13619	49.257	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.520%	
62) 4-Bromofluorobenzene	12.477	95	5262	49.634	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.260%	
Target Compounds						Qvalue
3) Chloromethane	2.107	50	387	6.354	ug/l #	75
5) Bromomethane	2.662	94	401	8.915	ug/l #	66
10) Methyl Iodide	4.094	142	471	8.410	ug/l #	43
16) Acetone	3.942	43	75	3.123	ug/l #	46
20) Methylene Chloride	4.710	84	1014	9.585	ug/l #	77
25) 2-Butanone	6.972	43	111	3.160	ug/l #	49
26) 2,2-Dichloropropane	6.954	77	233	1.807	ug/l #	54
36) 1,1-Dichloropropene	7.777	75	546	4.868	ug/l #	41
38) Carbon Tetrachloride	7.783	117	590	4.977	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	2901	47.478	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2901	91.925	ug/l #	10

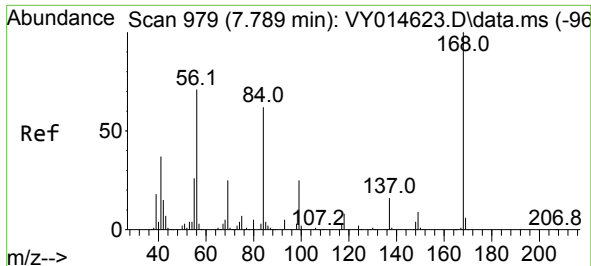
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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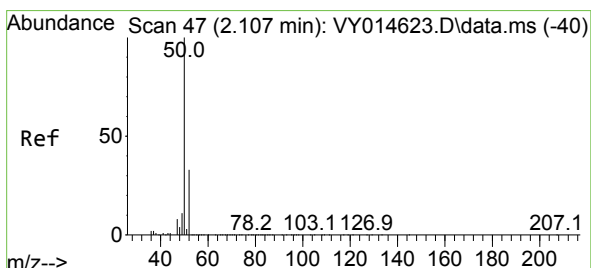
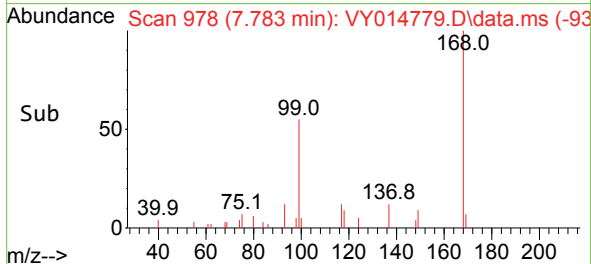
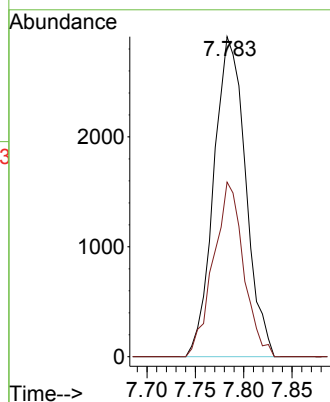
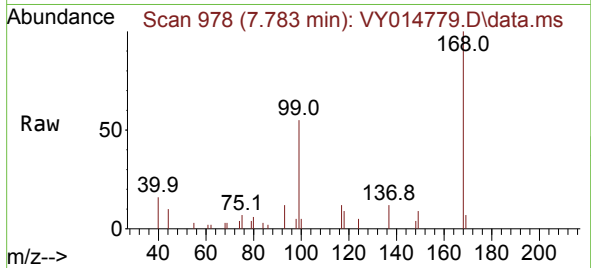




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014779.D
Acq: 24 Jul 2023 17:53

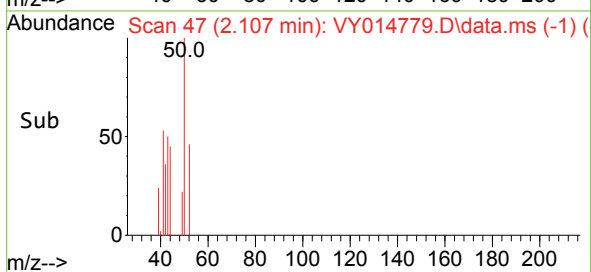
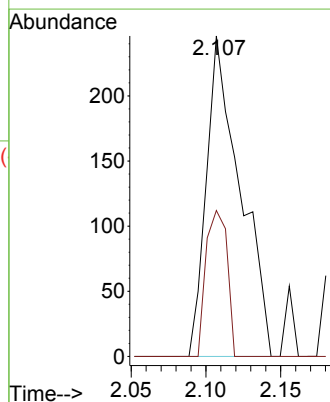
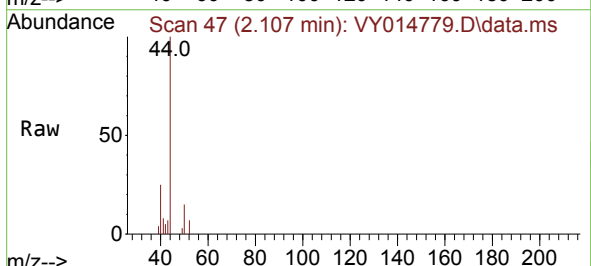
Instrument :
MSVOA_Y
ClientSampleId :
B-P22A

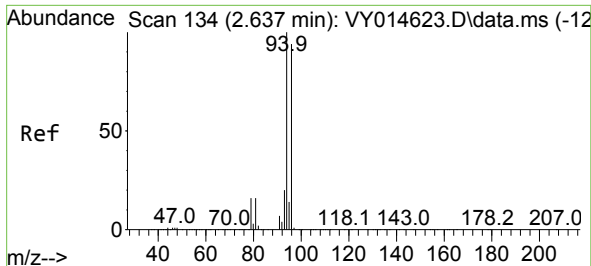
Tgt Ion:168 Resp: 6650
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#3
Chloromethane
Concen: 6.354 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY014779.D
Acq: 24 Jul 2023 17:53

Tgt Ion: 50 Resp: 387
Ion Ratio Lower Upper
50 100
52 45.5 25.4 38.2#

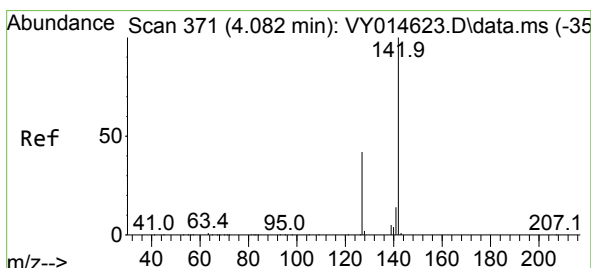
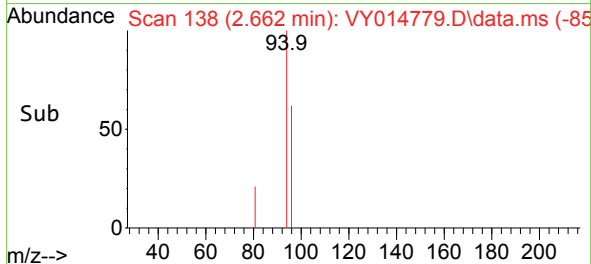
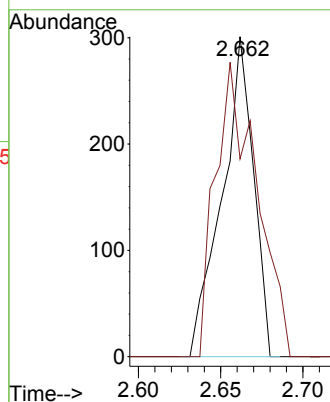
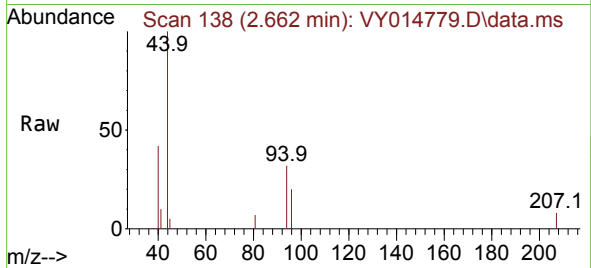




#5
Bromomethane
Concen: 8.915 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY014779.D
Acq: 24 Jul 2023 17:53

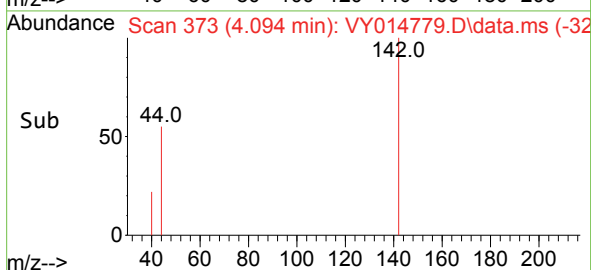
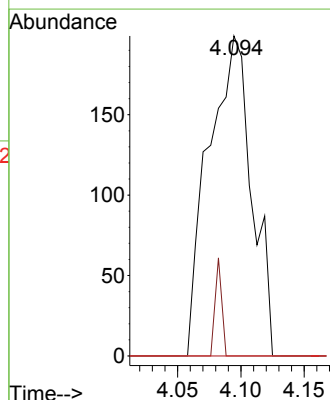
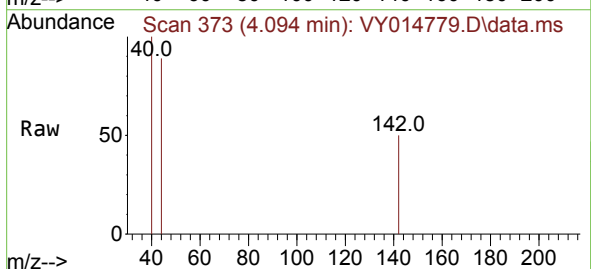
Instrument :
MSVOA_Y
ClientSampleId :
B-P22A

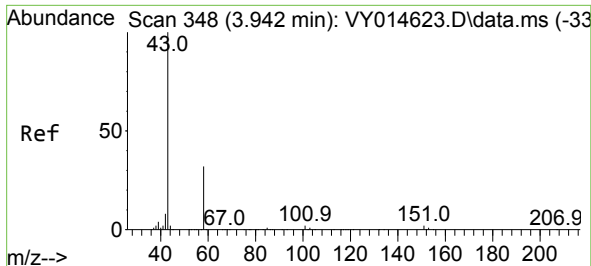
Tgt Ion: 94 Resp: 401
Ion Ratio Lower Upper
94 100
96 61.8 75.8 113.6#



#10
Methyl Iodide
Concen: 8.410 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014779.D
Acq: 24 Jul 2023 17:53

Tgt Ion: 142 Resp: 471
Ion Ratio Lower Upper
142 100
127 4.7 37.6 56.4#
141 0.0 11.8 17.8#

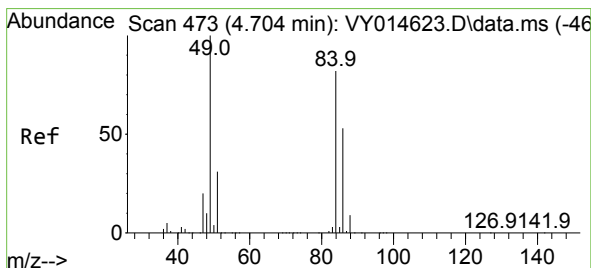
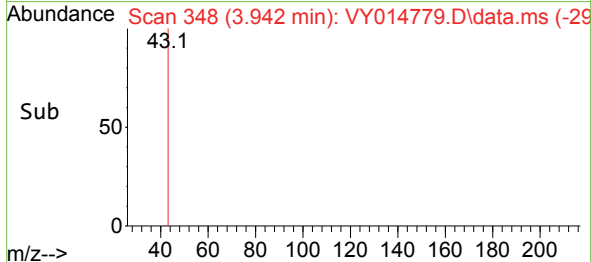
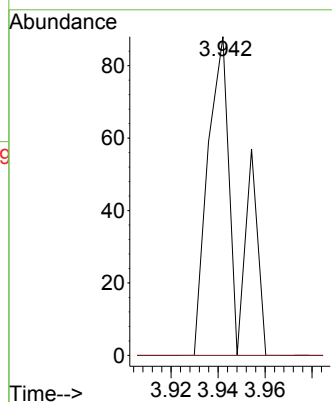
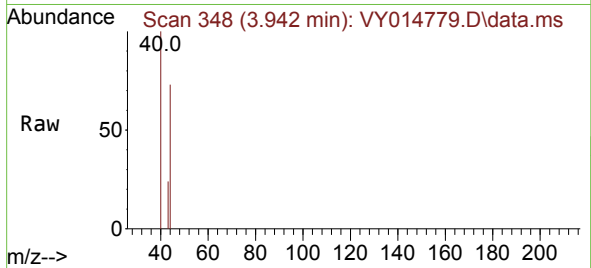




#16
Acetone
Concen: 3.123 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014779.D
Acq: 24 Jul 2023 17:53

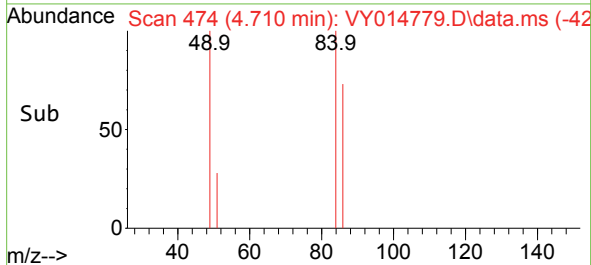
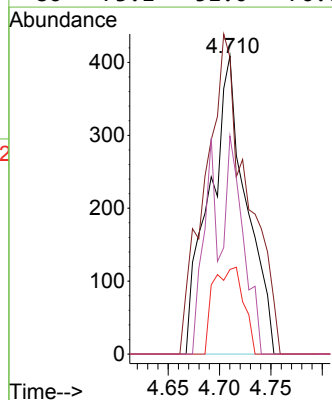
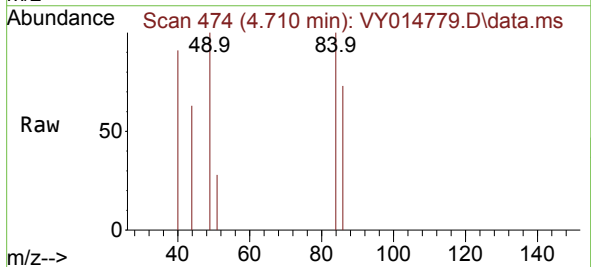
Instrument :
MSVOA_Y
ClientSampleId :
B-P22A

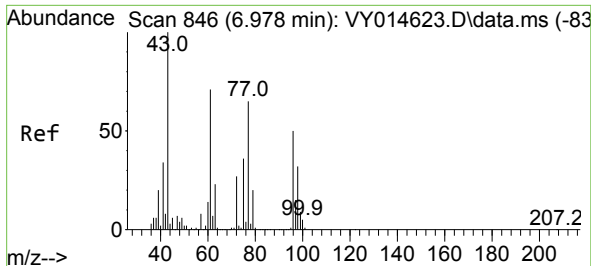
Tgt Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#20
Methylene Chloride
Concen: 9.585 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014779.D
Acq: 24 Jul 2023 17:53

Tgt Ion: 84 Resp: 1014
Ion Ratio Lower Upper
84 100
49 99.5 106.9 160.3#
51 28.4 33.2 49.8#
86 73.1 51.0 76.6

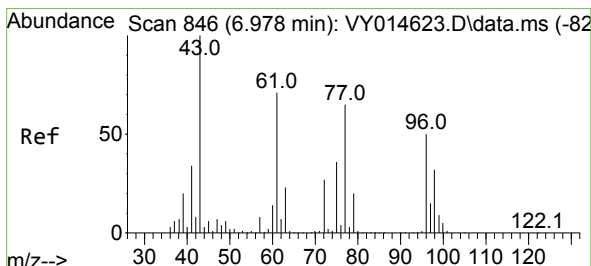
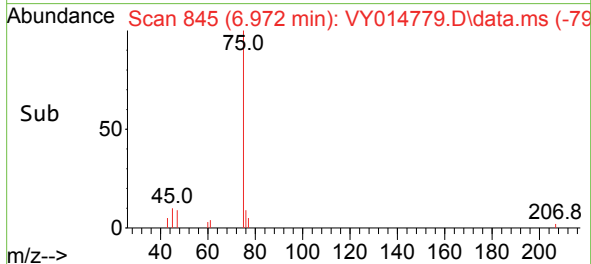
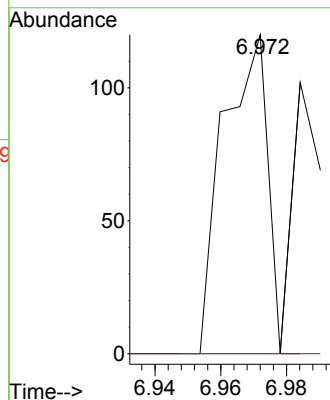
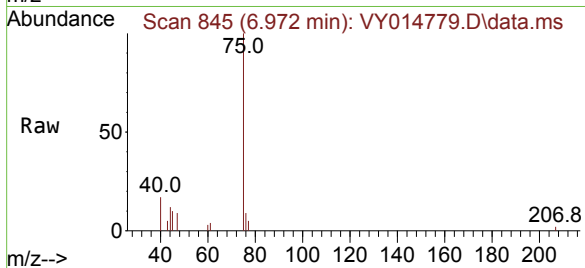




#25
2-Butanone
Concen: 3.160 ug/l
RT: 6.972 min Scan# 841
Delta R.T. -0.006 min
Lab File: VY014779.D
Acq: 24 Jul 2023 17:53

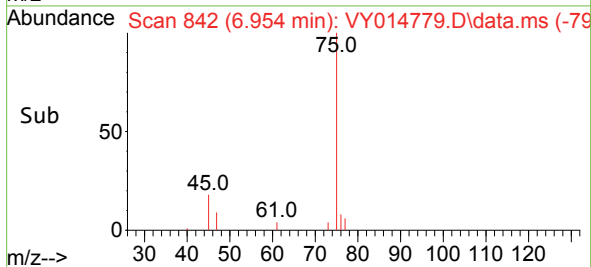
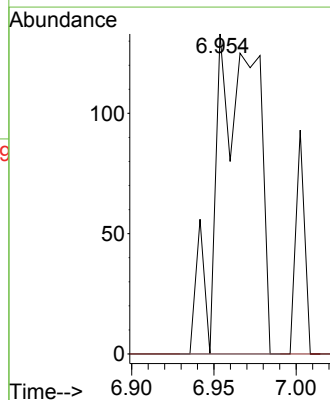
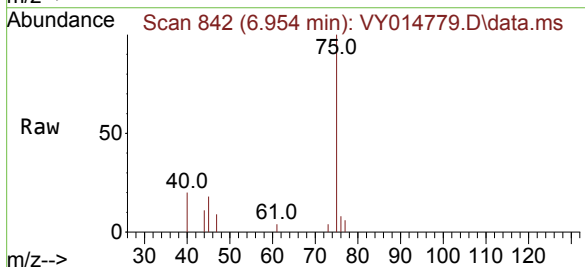
Instrument :
MSVOA_Y
ClientSampleId :
B-P22A

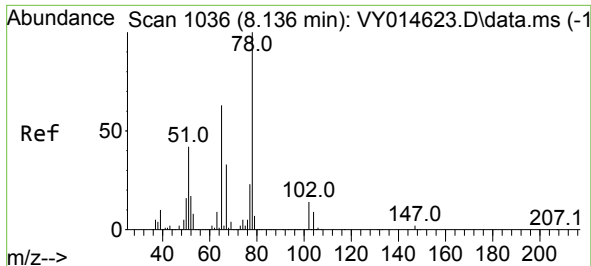
Tgt Ion: 43 Resp: 111
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.807 ug/l
RT: 6.954 min Scan# 842
Delta R.T. -0.024 min
Lab File: VY014779.D
Acq: 24 Jul 2023 17:53

Tgt Ion: 77 Resp: 233
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 73.081 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014779.D

Acq: 24 Jul 2023 17:53

Instrument :

MSVOA_Y

ClientSampleId :

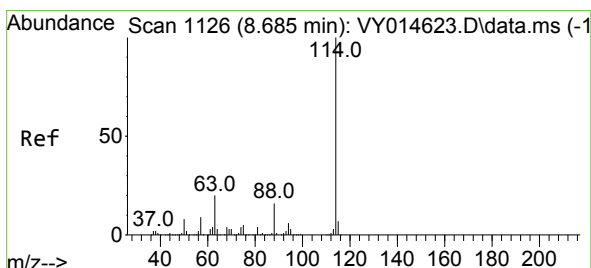
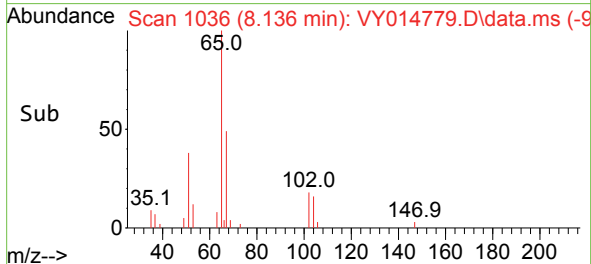
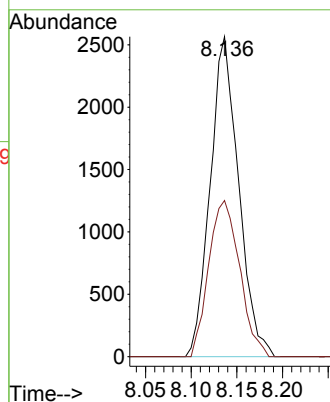
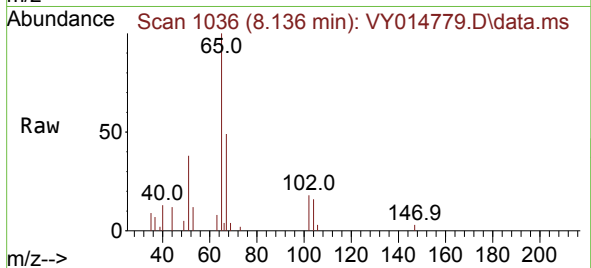
B-P22A

Tgt Ion: 65 Resp: 5538

Ion Ratio Lower Upper

65 100

67 53.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014779.D

Acq: 24 Jul 2023 17:53

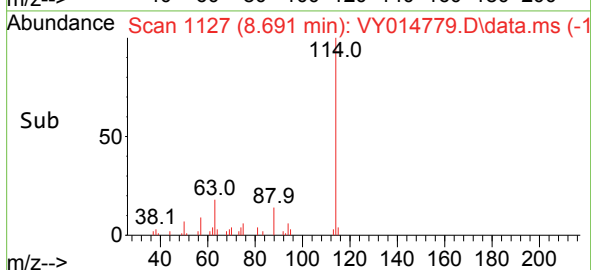
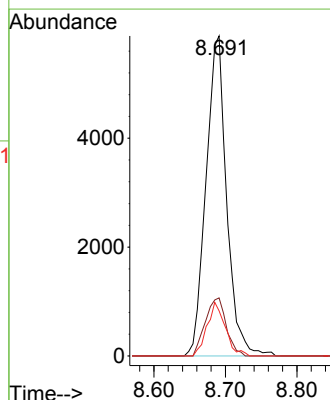
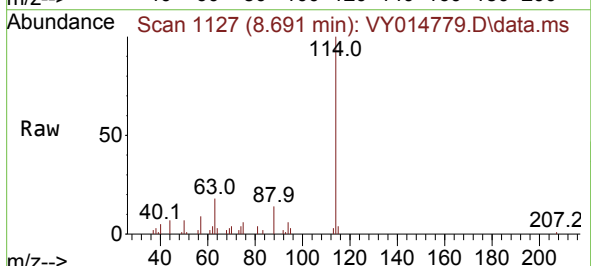
Tgt Ion: 114 Resp: 11781

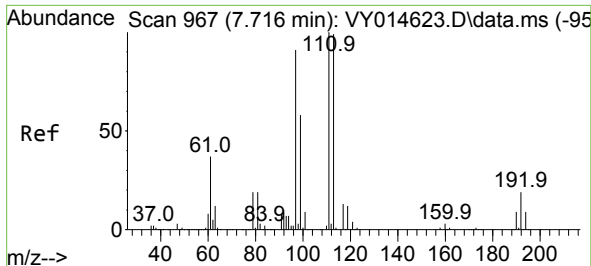
Ion Ratio Lower Upper

114 100

63 18.2 0.0 42.4

88 14.1 0.0 30.6

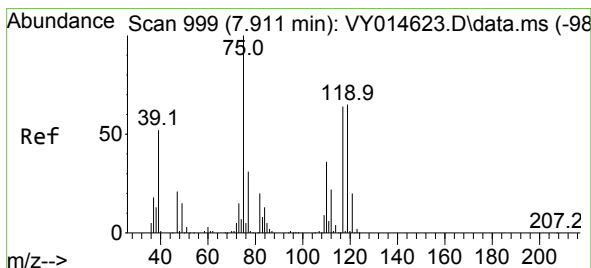
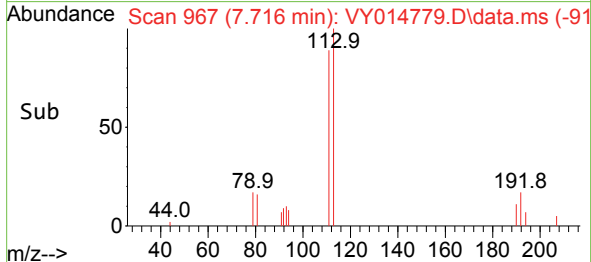
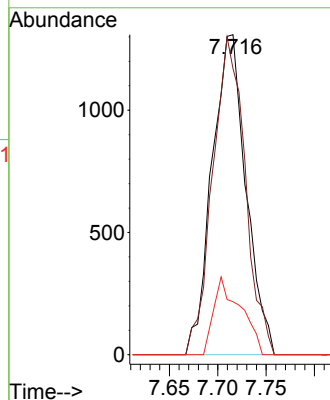
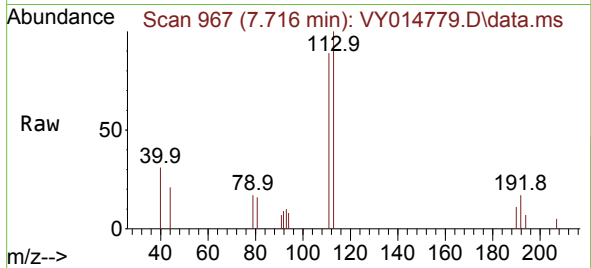




#35
 Dibromofluoromethane
 Concen: 42.590 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VY014779.D
 Acq: 24 Jul 2023 17:53

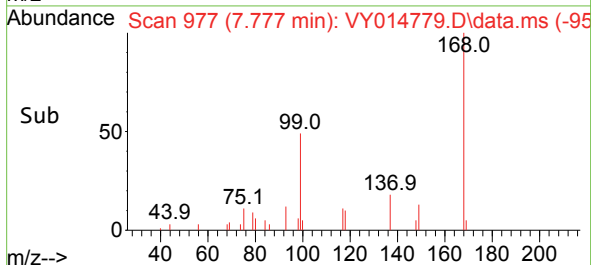
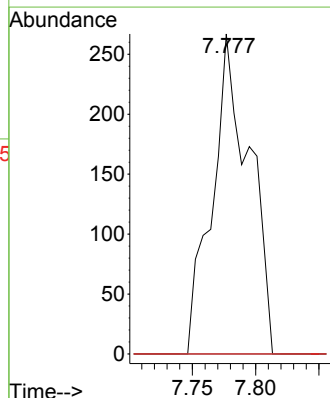
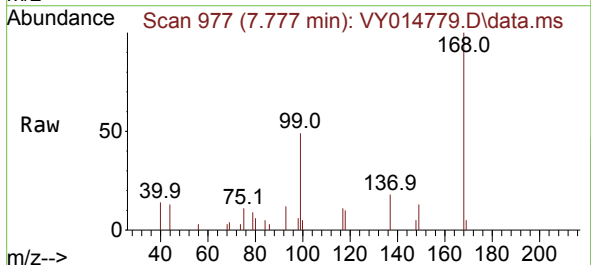
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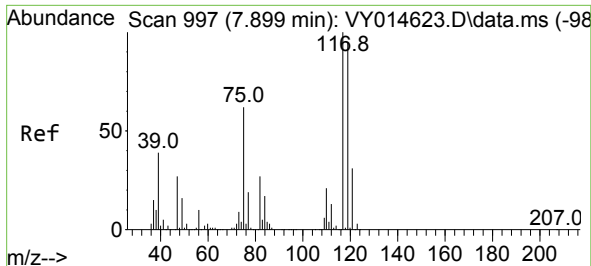
Tgt Ion:113	Resp:	3194	
Ion	Ratio	Lower	Upper
113	100		
111	95.4	81.3	121.9
192	19.3	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.868 ug/l
 RT: 7.777 min Scan# 977
 Delta R.T. -0.134 min
 Lab File: VY014779.D
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Tgt Ion: 75	Resp:	546
Ion Ratio	Lower	Upper
75 100		
110 0.0	17.8	53.5#
77 0.0	24.4	36.6#

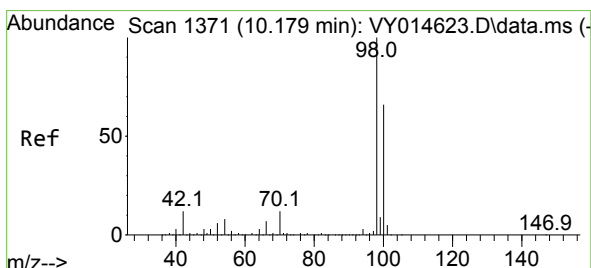
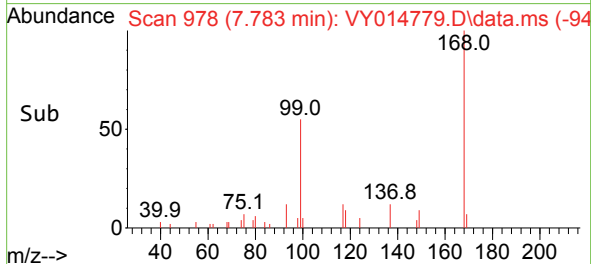
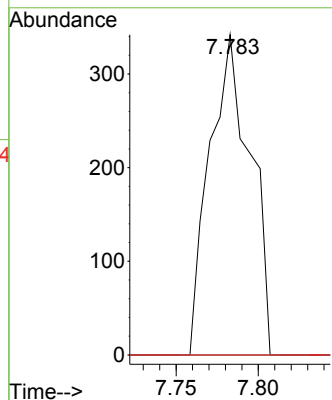
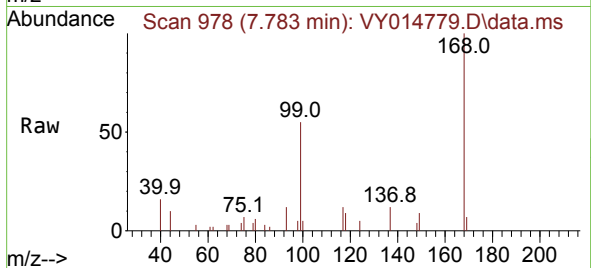




#38
Carbon Tetrachloride
Concen: 4.977 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014779.D
Acq: 24 Jul 2023 17:53

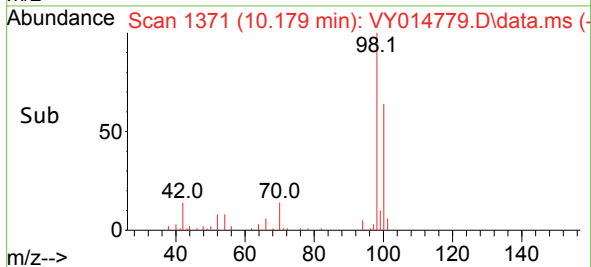
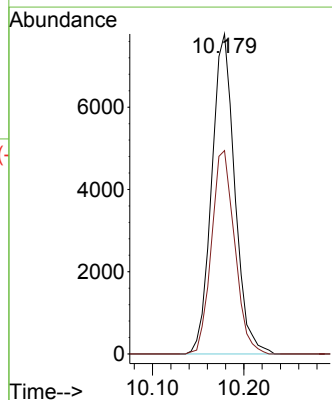
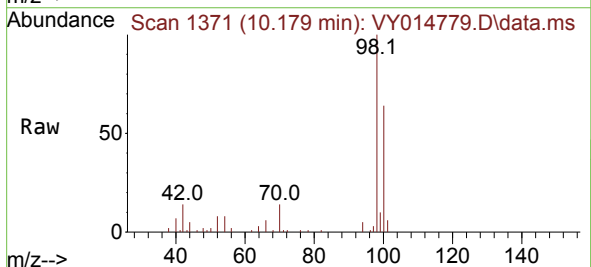
Instrument :
MSVOA_Y
ClientSampleId :
B-P22A

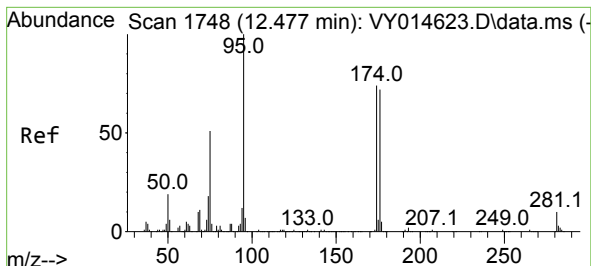
Tgt Ion:117 Resp: 590
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.257 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014779.D
Acq: 24 Jul 2023 17:53

Tgt Ion: 98 Resp: 13619
Ion Ratio Lower Upper
98 100
100 64.1 50.1 75.1

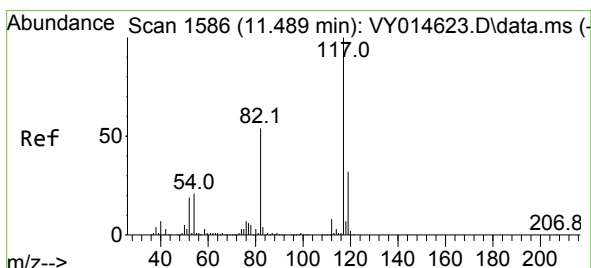
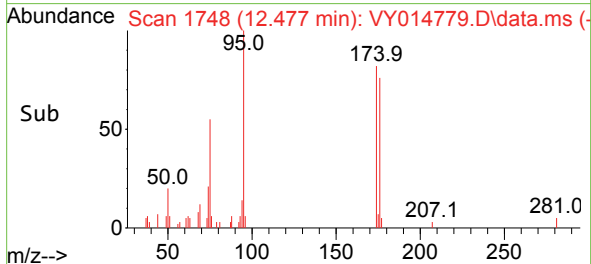
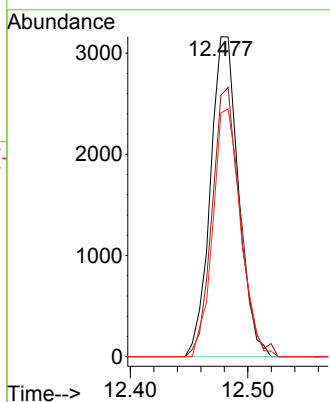
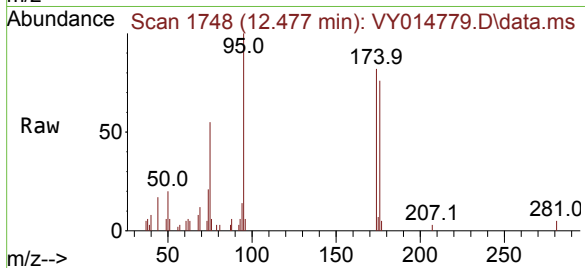




#62
4-Bromofluorobenzene
Concen: 49.634 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014779.D
Acq: 24 Jul 2023 17:53

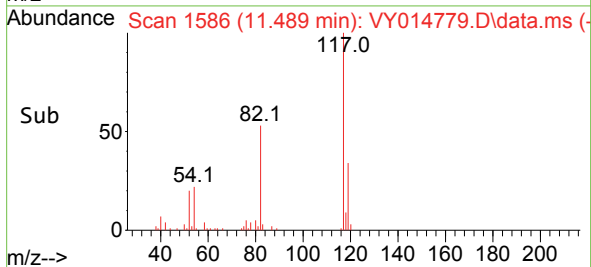
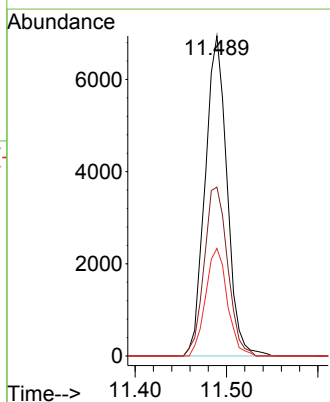
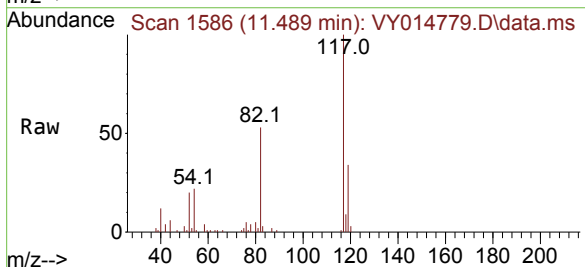
Instrument :
MSVOA_Y
ClientSampleId :
B-P22A

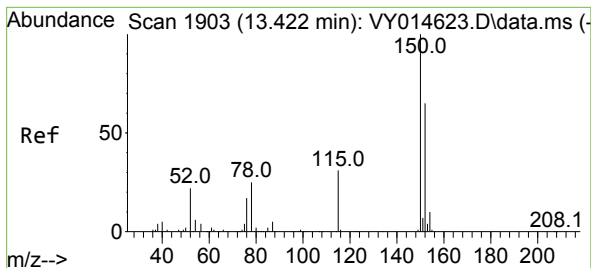
Tgt Ion:	95	Resp:	5262
Ion	Ratio	Lower	Upper
95	100		
174	83.8	0.0	178.2
176	77.2	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014779.D
Acq: 24 Jul 2023 17:53

Tgt Ion:	117	Resp:	11538
Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.4	65.0
119	33.6	26.3	39.5

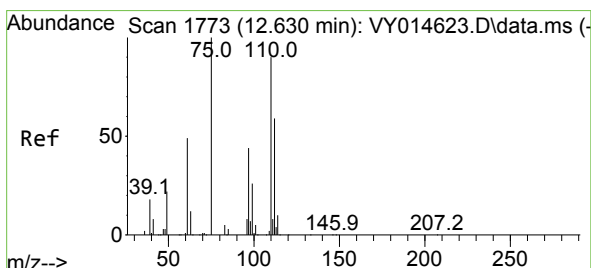
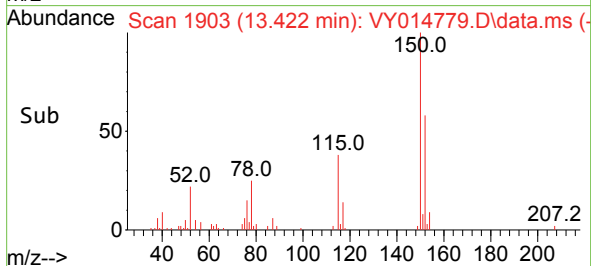
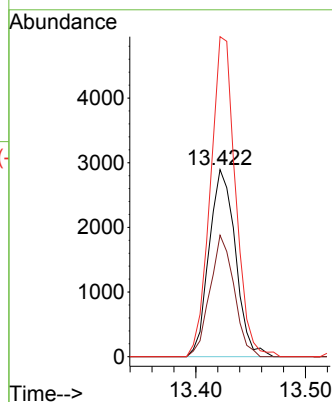
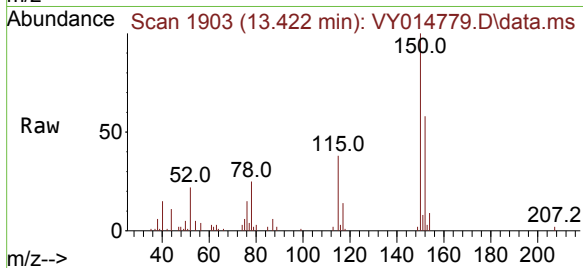




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014779.D
Acq: 24 Jul 2023 17:53

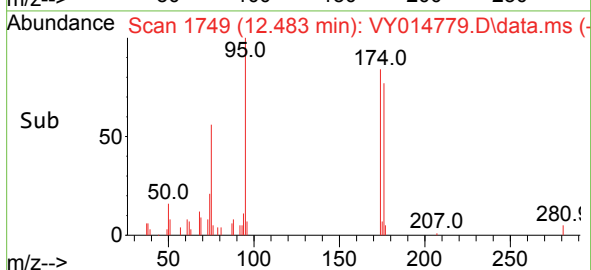
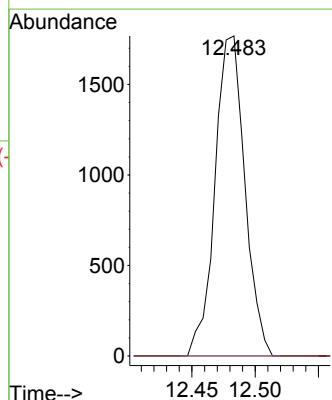
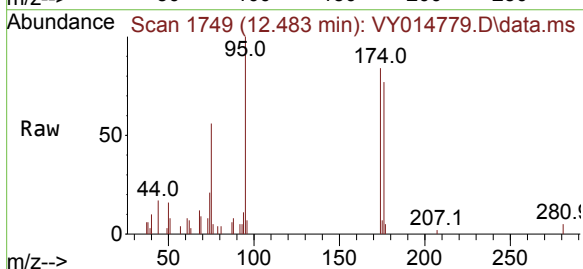
Instrument :
MSVOA_Y
ClientSampleId :
B-P22A

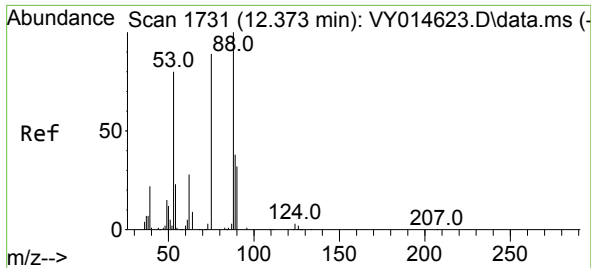
Tgt Ion:152 Resp: 4838
Ion Ratio Lower Upper
152 100
115 59.4 28.8 86.5
150 162.6 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 47.478 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY014779.D
Acq: 24 Jul 2023 17:53

Tgt Ion: 75 Resp: 2901
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.925 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014779.D
 Acq: 24 Jul 2023 17:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P22A

Tgt Ion: 75 Resp: 2901
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

