

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014795.D
 Acq On : 25 Jul 2023 12:35
 Operator : SY/MD
 Sample : 03719-04
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P22B

Quant Time: Jul 25 14:14:08 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)

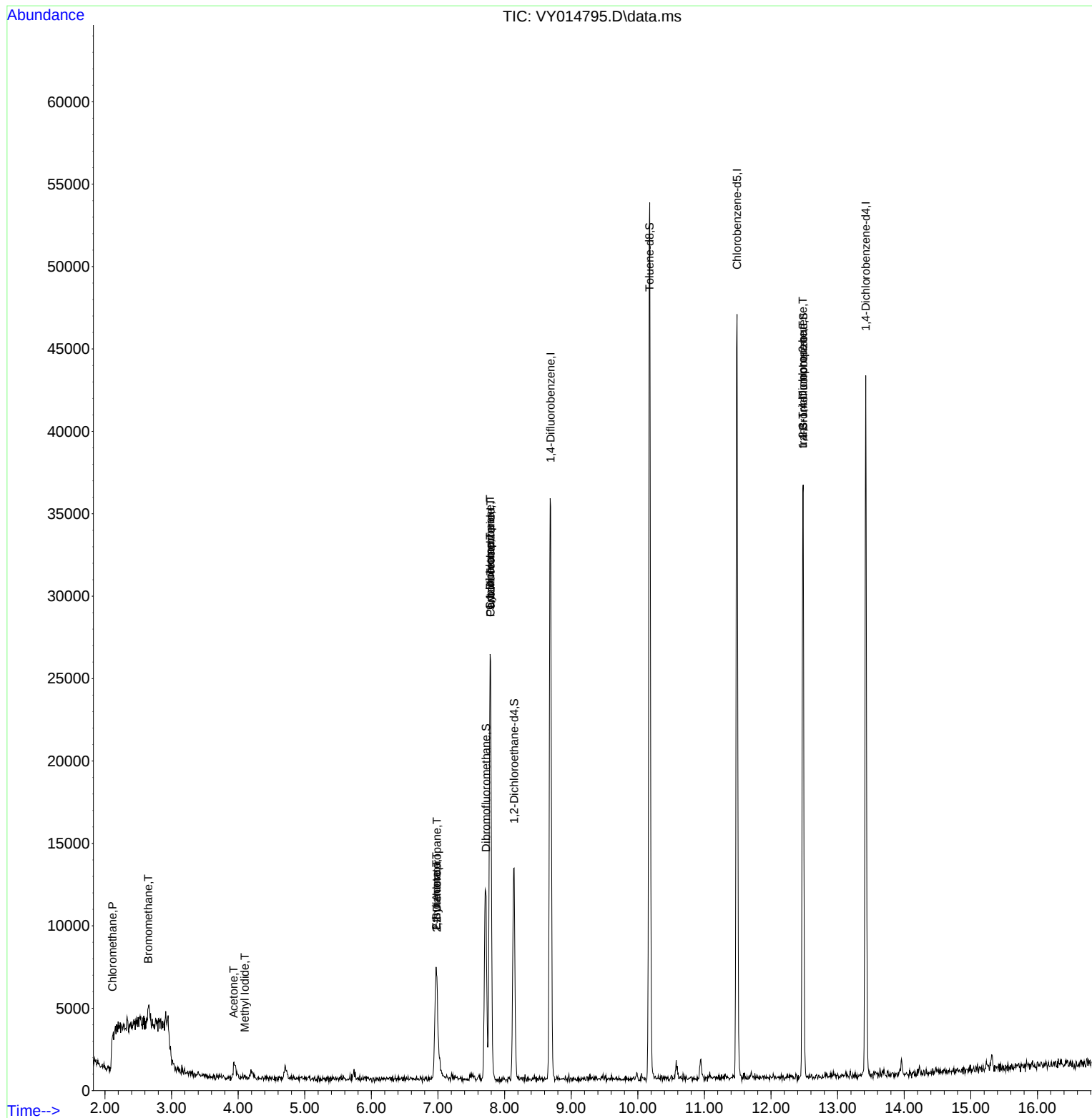
Internal Standards						
1) Pentafluorobenzene	7.789	168	20361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	31983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	26071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	10808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	10651	45.905	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.820%		
35) Dibromofluoromethane	7.722	113	8719	42.825	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.640%		
50) Toluene-d8	10.179	98	35640	47.481	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.960%		
62) 4-Bromofluorobenzene	12.483	95	11400	39.609	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.220%		
Target Compounds						Qvalue
3) Chloromethane	2.113	50	311	1.668	ug/l #	68
5) Bromomethane	2.650	94	178	1.292	ug/l	96
10) Methyl Iodide	4.101	142	189	3.161	ug/l #	38
11) Tert butyl alcohol	4.942	59	159	Below Cal	#	89
16) Acetone	3.930	43	1894	25.760	ug/l	96
20) Methylene Chloride	4.704	84	621	Below Cal	#	69
25) 2-Butanone	6.978	43	842	7.828	ug/l #	49
26) 2,2-Dichloropropane	6.984	77	557	1.411	ug/l #	54
31) Cyclohexane	7.783	56	458	1.189	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	1513	4.969	ug/l #	46
37) Ethyl Acetate	6.978	43	842	4.017	ug/l #	85
38) Carbon Tetrachloride	7.789	117	2066	6.419	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	5843	42.805	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5843	82.879	ug/l #	10

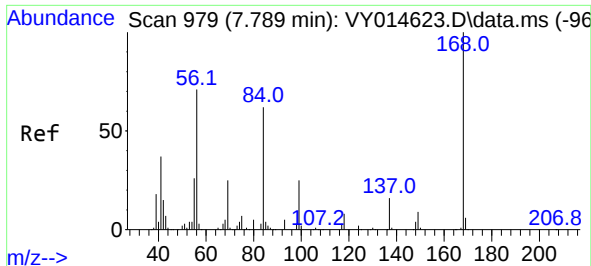
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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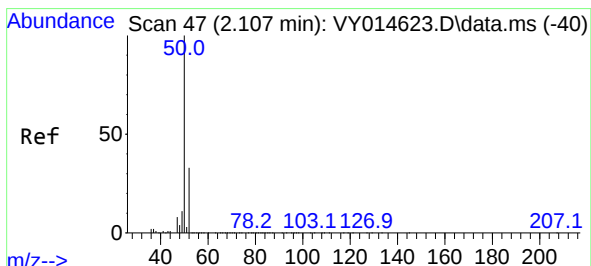
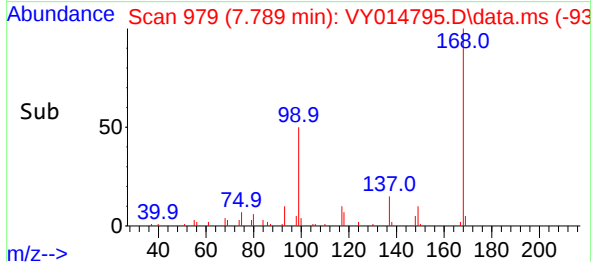
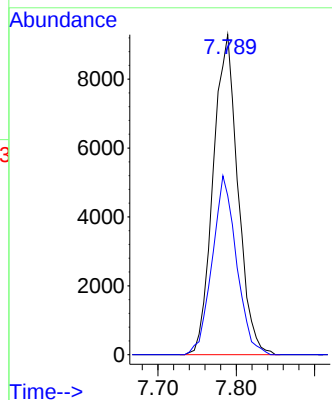
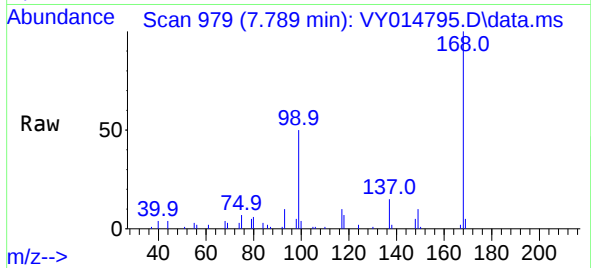




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

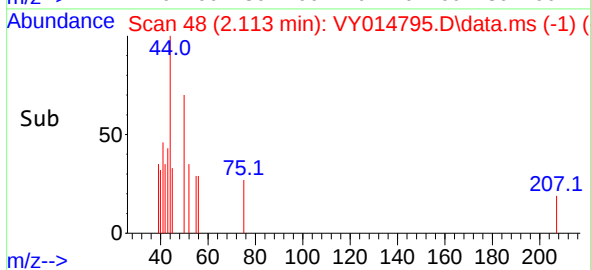
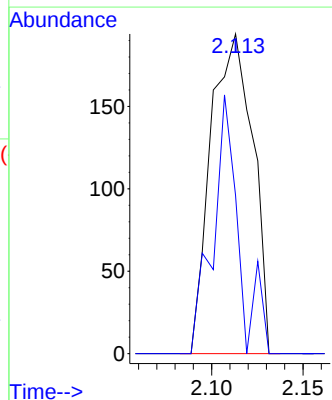
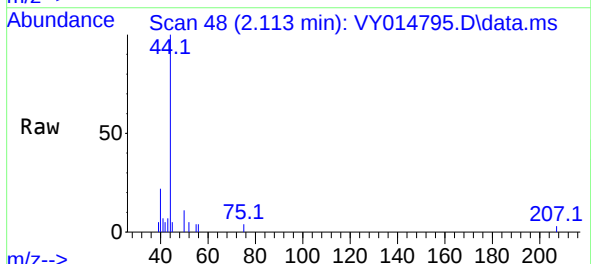
Instrument :
MSVOA_Y
ClientSampleId :
B-P22B

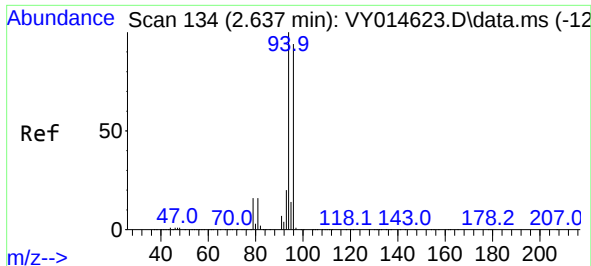
Tgt Ion:168 Resp: 20361
Ion Ratio Lower Upper
168 100
99 49.7 43.4 65.0



#3
Chloromethane
Concen: 1.668 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

Tgt Ion: 50 Resp: 311
Ion Ratio Lower Upper
50 100
52 49.5 25.4 38.2#

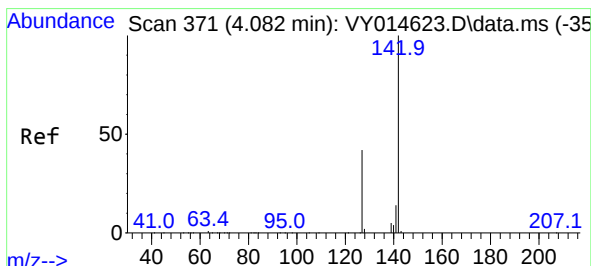
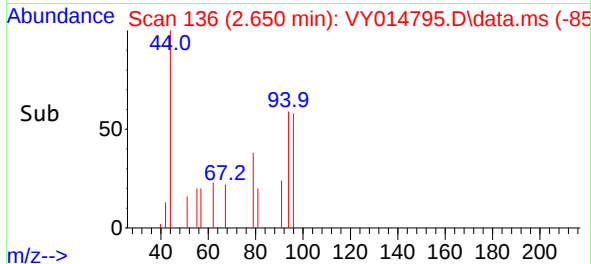
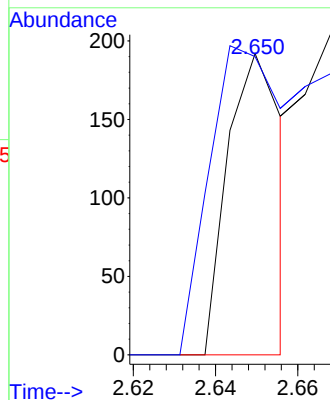
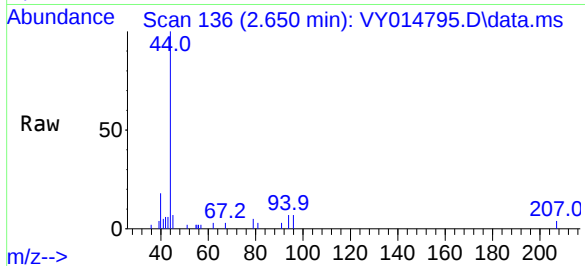




#5
Bromomethane
Concen: 1.292 ug/l
RT: 2.650 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

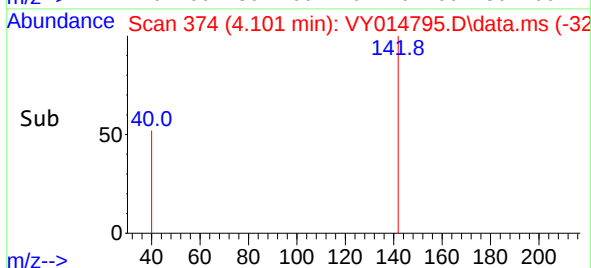
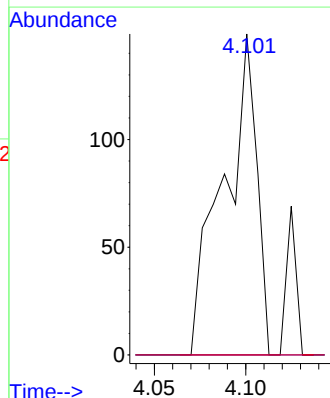
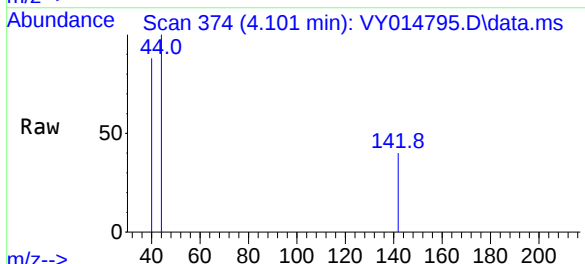
Instrument :
MSVOA_Y
ClientSampleId :
B-P22B

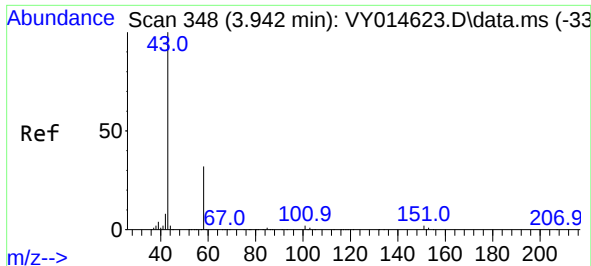
Tgt Ion: 94 Resp: 178
Ion Ratio Lower Upper
94 100
96 99.0 75.8 113.6



#10
Methyl Iodide
Concen: 3.161 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.019 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

Tgt Ion:142 Resp: 189
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

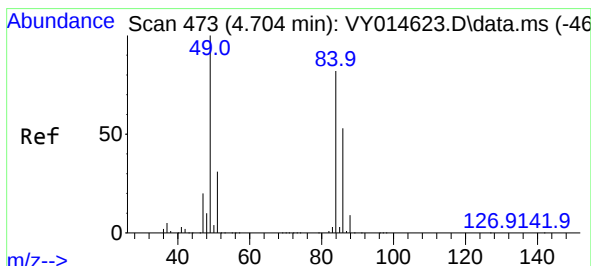
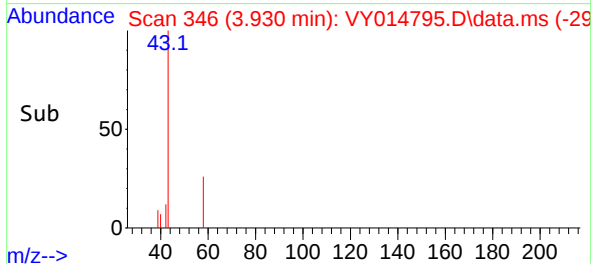
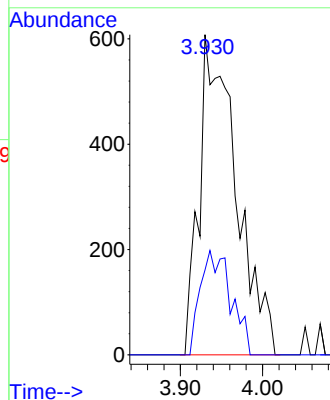
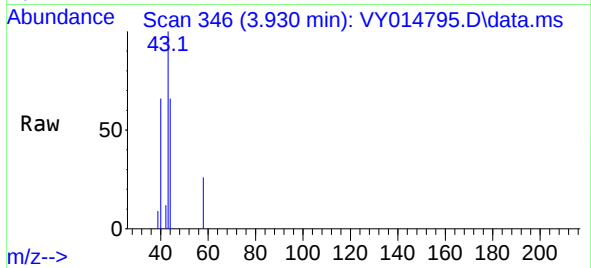




#16
Acetone
Concen: 25.760 ug/l
RT: 3.930 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

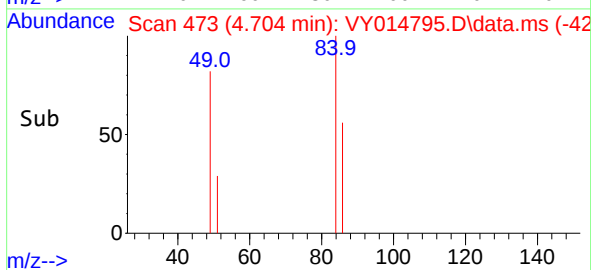
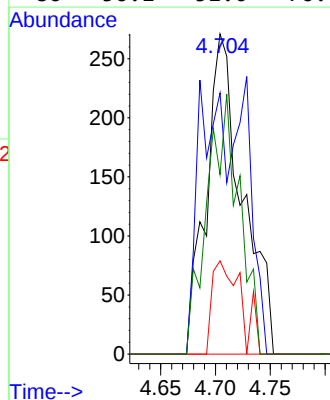
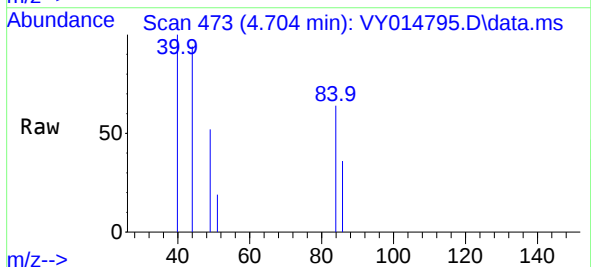
Instrument :
MSVOA_Y
ClientSampleId :
B-P22B

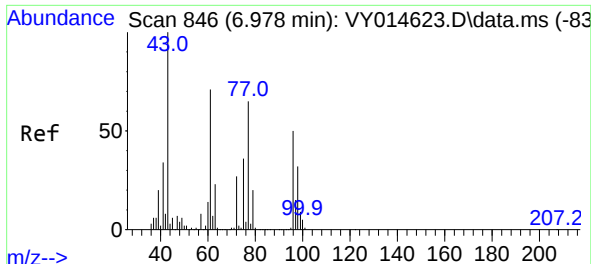
Tgt Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
58 26.5 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

Tgt Ion: 84 Resp: 621
Ion Ratio Lower Upper
84 100
49 81.5 106.9 160.3#
51 29.2 33.2 49.8#
86 56.1 51.0 76.6





#25

2-Butanone

Concen: 7.828 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY014795.D

Acq: 25 Jul 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

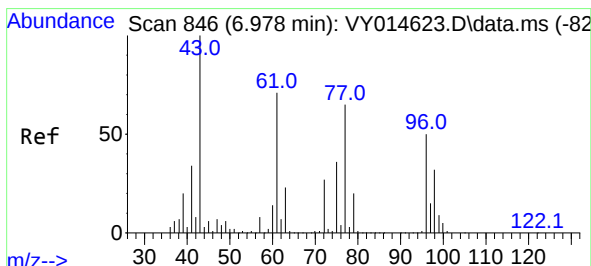
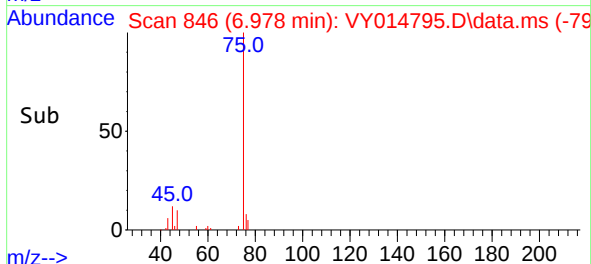
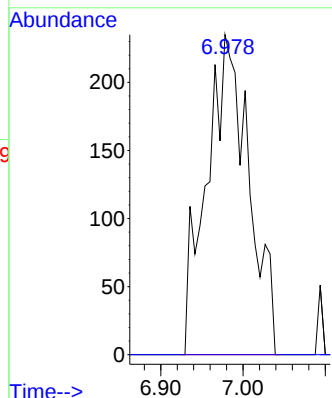
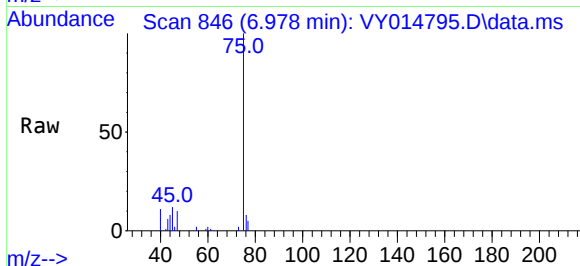
B-P22B

Tgt Ion: 43 Resp: 842

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.411 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY014795.D

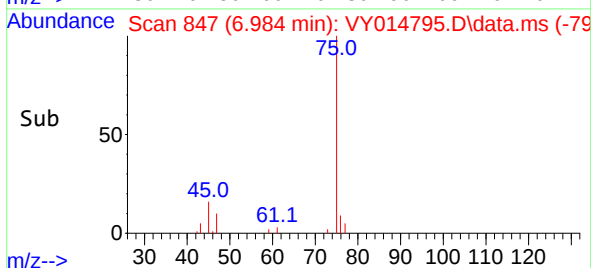
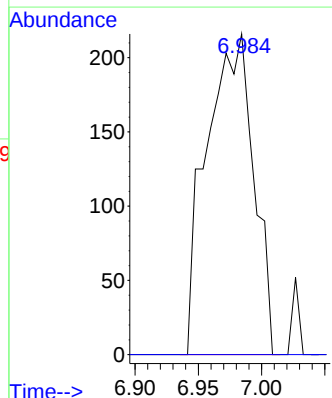
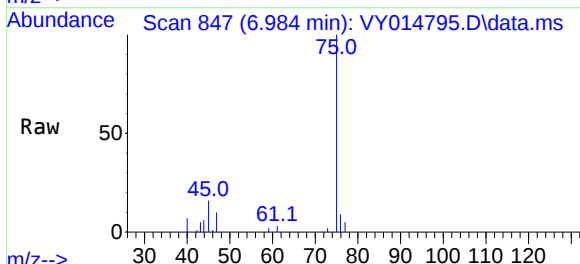
Acq: 25 Jul 2023 12:35

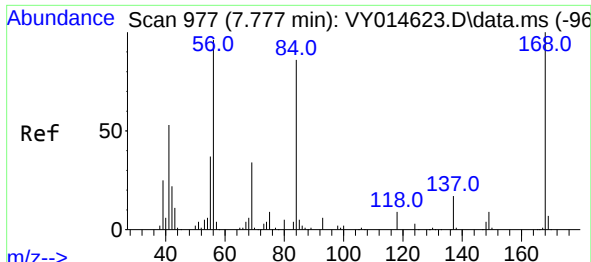
Tgt Ion: 77 Resp: 557

Ion Ratio Lower Upper

77 100

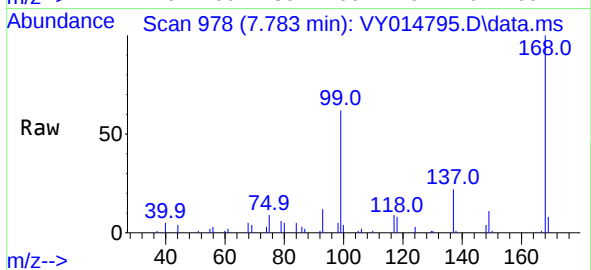
97 0.0 10.9 32.9#



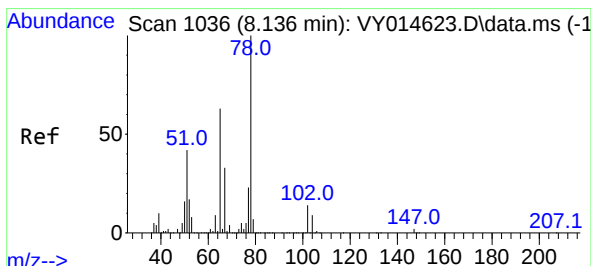
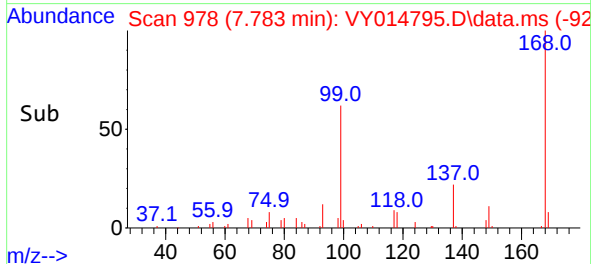
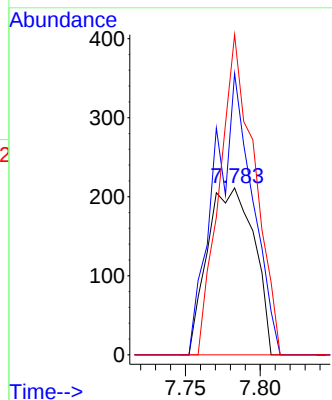


#31
Cyclohexane
Concen: 1.189 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

Instrument :
MSVOA_Y
ClientSampleId :
B-P22B

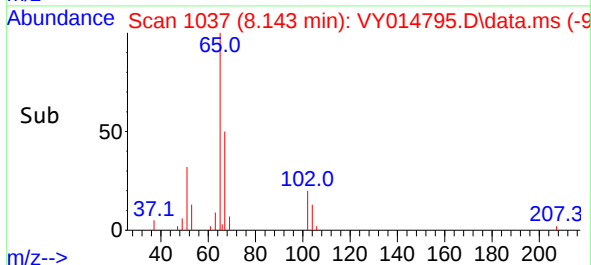
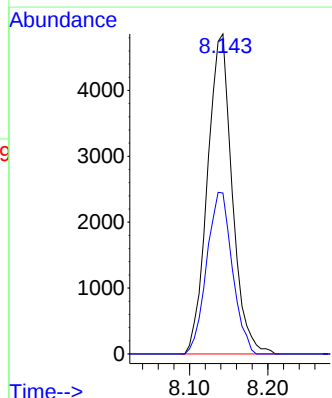
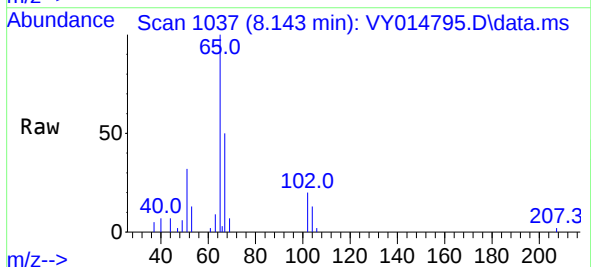


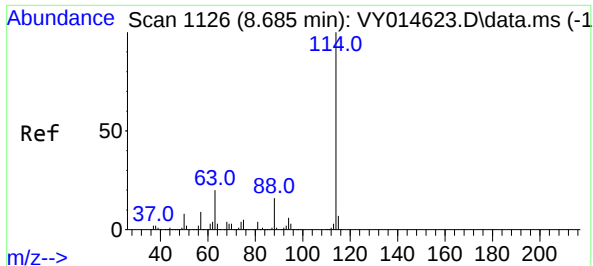
Tgt Ion: 56 Resp: 458
Ion Ratio Lower Upper
56 100
69 168.7 27.8 41.6#
84 191.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 45.905 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

Tgt Ion: 65 Resp: 10651
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY014795.D

Acq: 25 Jul 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

B-P22B

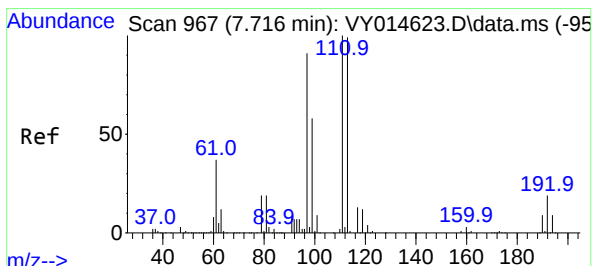
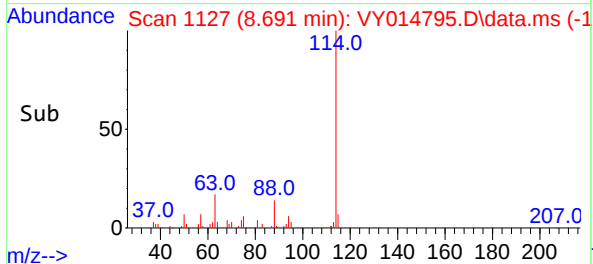
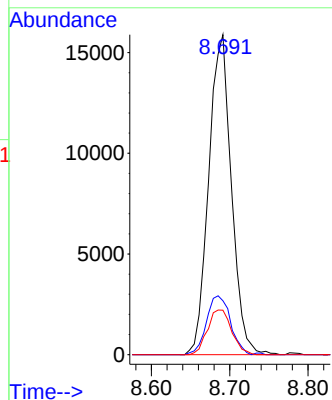
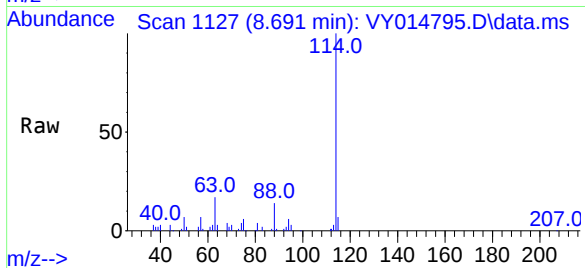
Tgt Ion:114 Resp: 31983

Ion Ratio Lower Upper

114 100

63 16.9 0.0 42.4

88 13.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 42.825 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014795.D

Acq: 25 Jul 2023 12:35

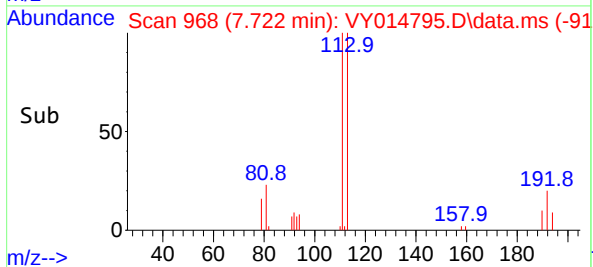
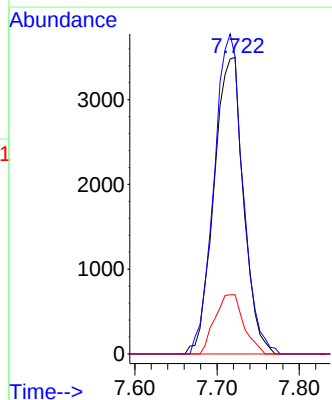
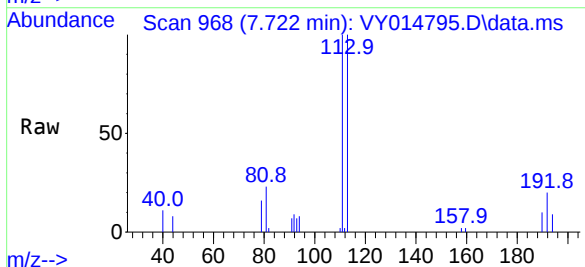
Tgt Ion:113 Resp: 8719

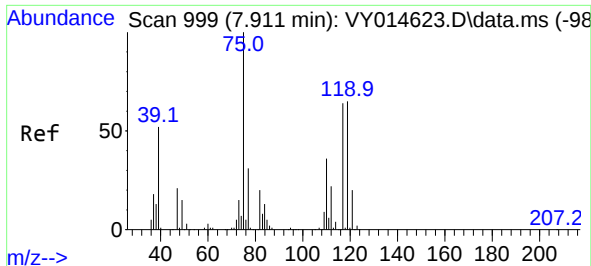
Ion Ratio Lower Upper

113 100

111 105.5 81.3 121.9

192 19.5 16.9 25.3

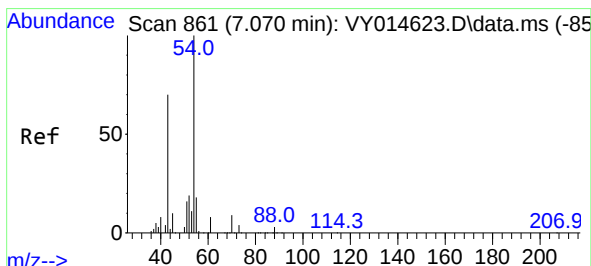
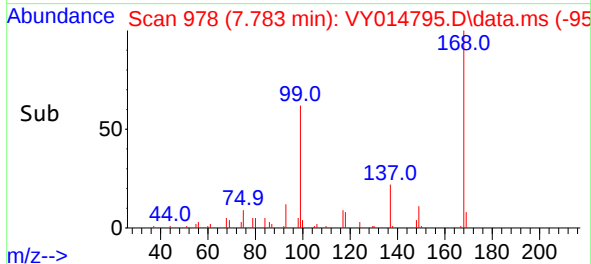
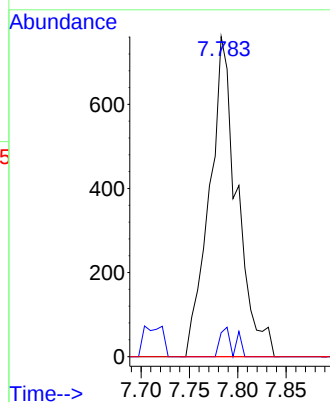
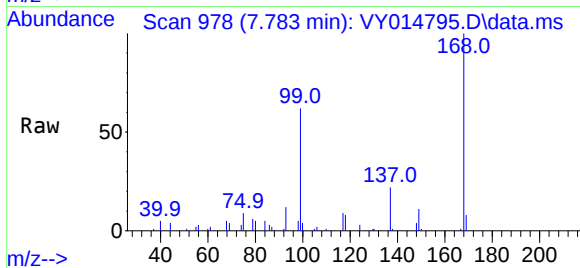




#36
1,1-Dichloropropene
Concen: 4.969 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

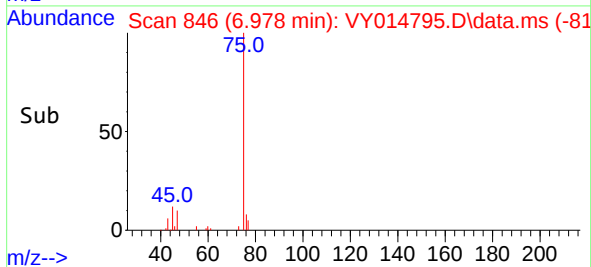
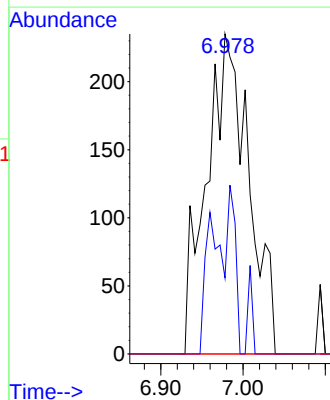
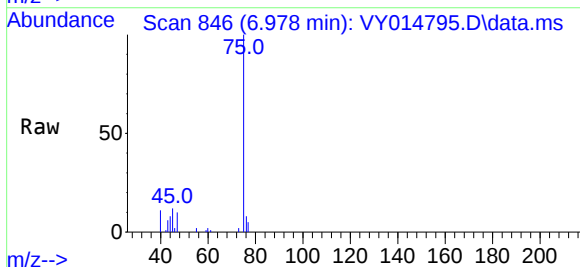
Instrument :
MSVOA_Y
ClientSampleId :
B-P22B

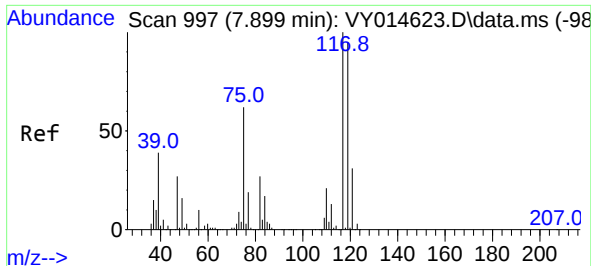
Tgt Ion: 75 Resp: 1513
Ion Ratio Lower Upper
75 100
110 4.5 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 4.017 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

Tgt Ion: 43 Resp: 842
Ion Ratio Lower Upper
43 100
61 9.5 10.1 15.1#
70 0.0 7.1 10.7#

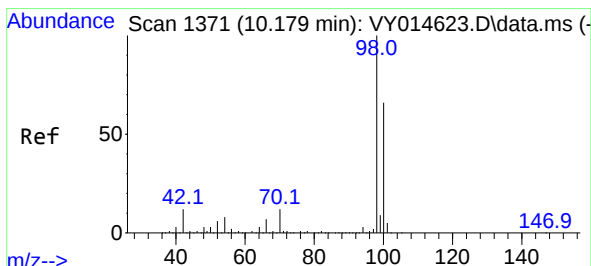
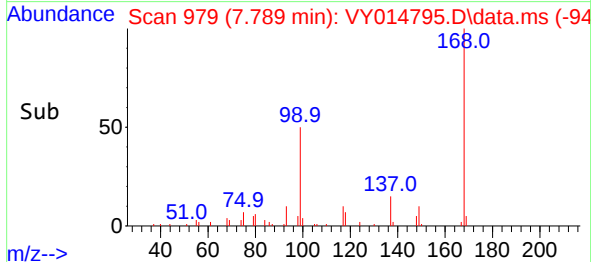
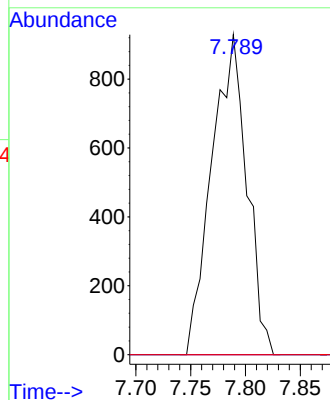
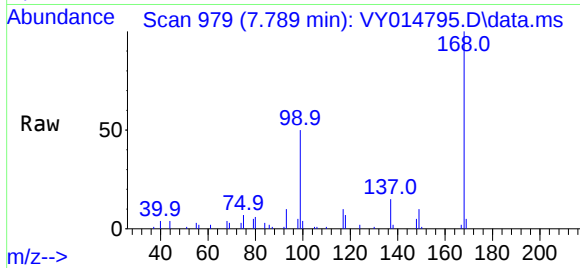




#38
Carbon Tetrachloride
Concen: 6.419 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

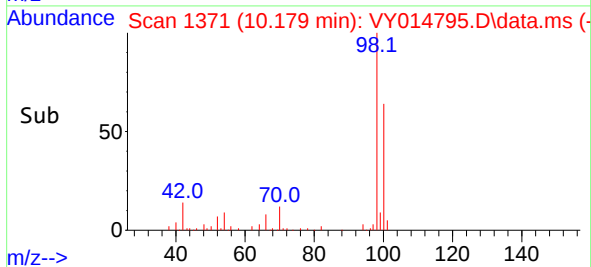
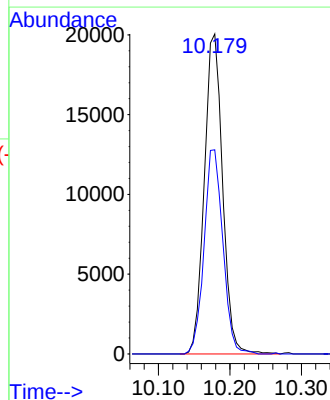
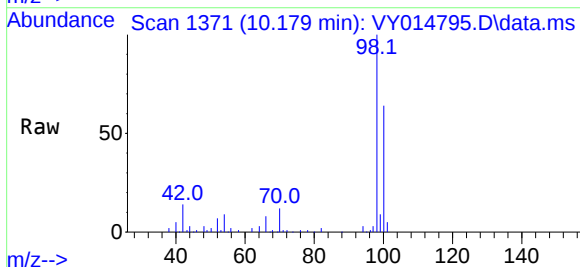
Instrument :
MSVOA_Y
ClientSampleId :
B-P22B

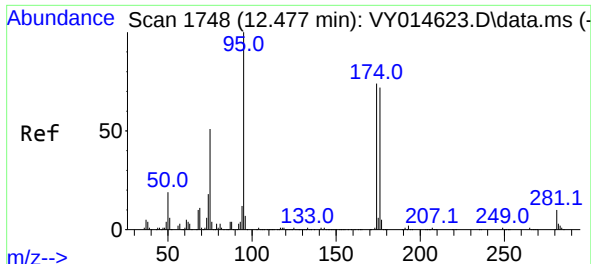
Tgt Ion:117 Resp: 2066
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.481 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

Tgt Ion: 98 Resp: 35640
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1

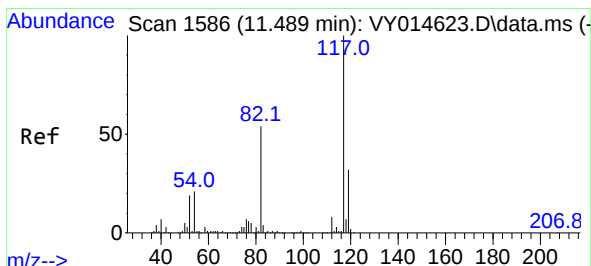
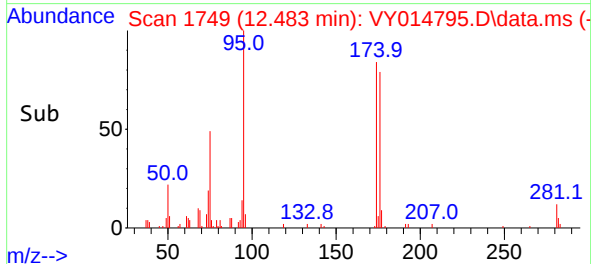
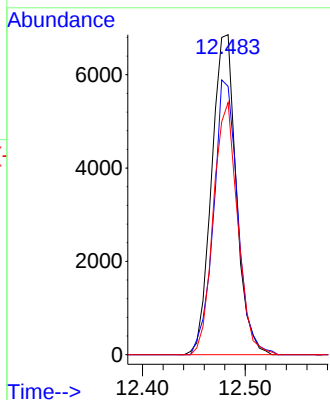
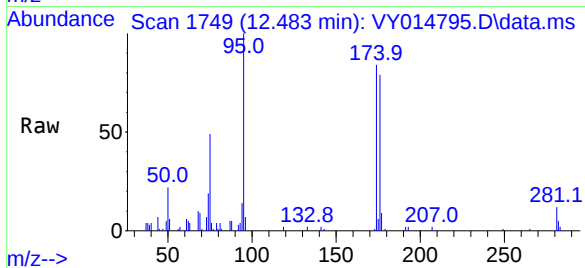




#62
4-Bromofluorobenzene
Concen: 39.609 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

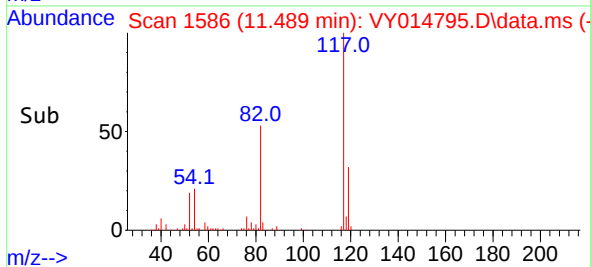
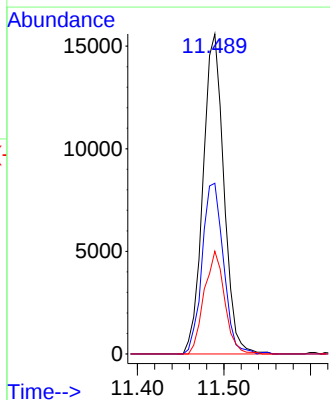
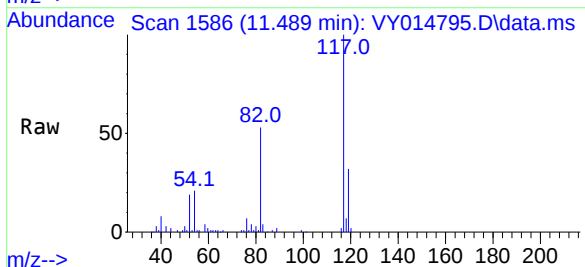
Instrument :
MSVOA_Y
ClientSampleId :
B-P22B

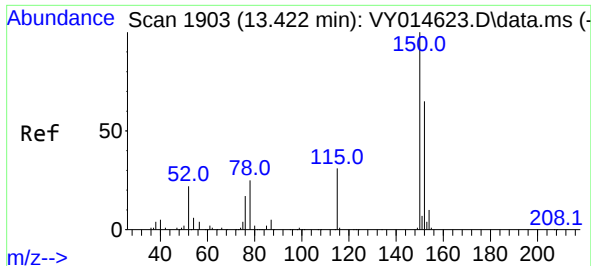
Tgt Ion: 95 Resp: 11400
Ion Ratio Lower Upper
95 100
174 83.9 0.0 178.2
176 77.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

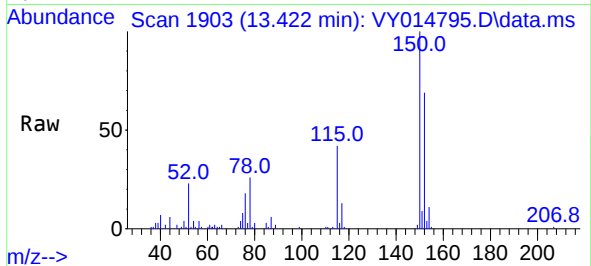
Tgt Ion: 117 Resp: 26071
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 32.1 26.3 39.5



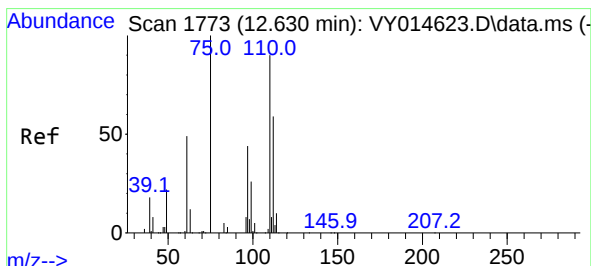
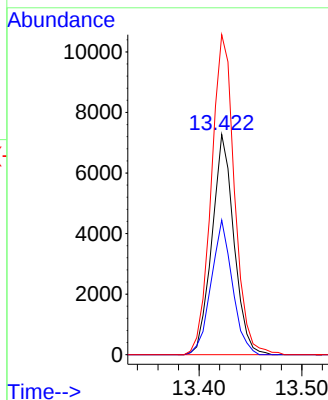
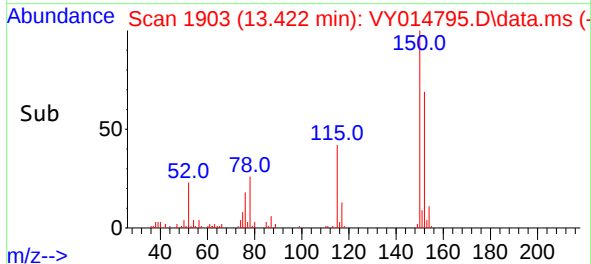


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

Instrument :
MSVOA_Y
ClientSampleId :
B-P22B

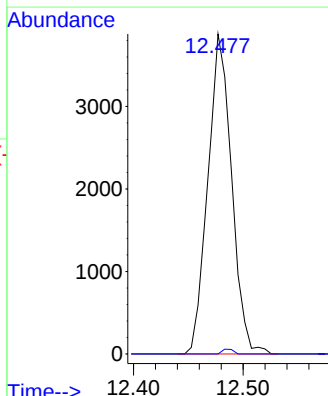
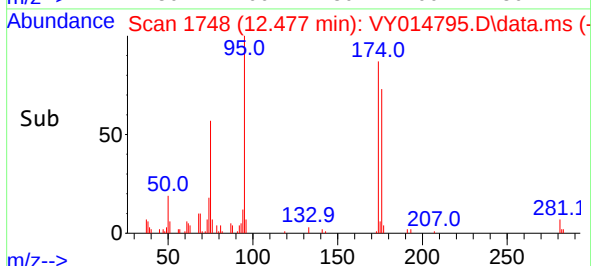
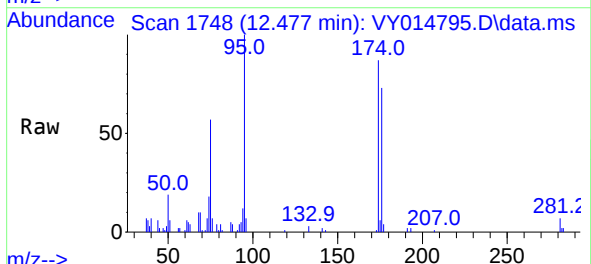


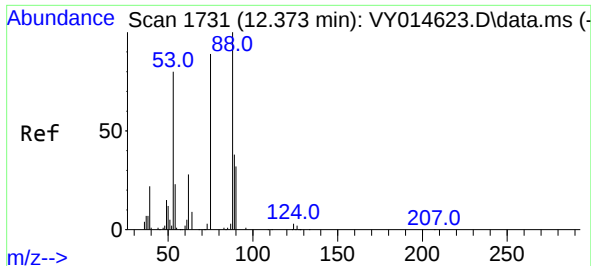
Tgt Ion:152 Resp: 10808
Ion Ratio Lower Upper
152 100
115 59.1 28.8 86.5
150 153.1 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 42.805 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014795.D
Acq: 25 Jul 2023 12:35

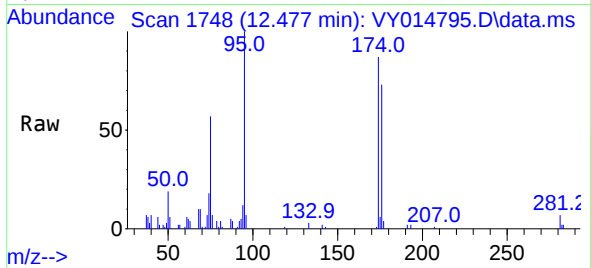
Tgt Ion: 75 Resp: 5843
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.879 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014795.D
 Acq: 25 Jul 2023 12:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P22B



Tgt Ion: 75 Resp: 5843
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

