

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014822.D
 Acq On : 26 Jul 2023 00:01
 Operator : SY/MD
 Sample : 03741-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P12B

Quant Time: Jul 26 03:34:00 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)

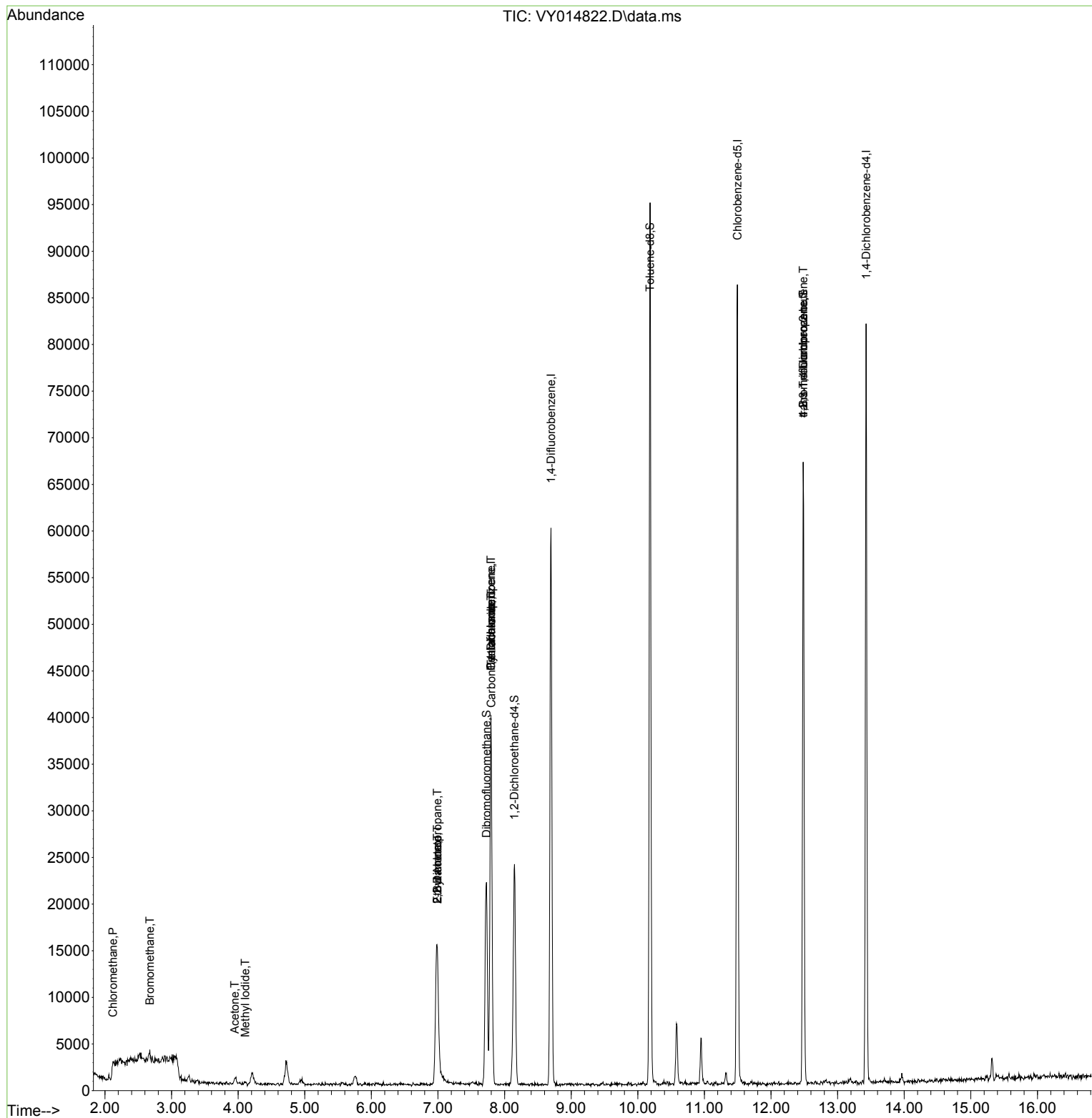
Internal Standards						
1) Pentafluorobenzene	7.795	168	30055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	52254	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	46971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	19768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	18419	53.780	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.560%			
35) Dibromofluoromethane	7.728	113	16131	48.494	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.980%			
50) Toluene-d8	10.185	98	61739	50.343	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.680%			
62) 4-Bromofluorobenzene	12.483	95	20270	43.106	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 86.220%			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	339	1.232	ug/l #	43
5) Bromomethane	2.674	94	434	2.135	ug/l	98
10) Methyl Iodide	4.107	142	335	3.320	ug/l #	51
11) Tert butyl alcohol	4.930	59	201	Below Cal	#	89
16) Acetone	3.948	43	1151	10.605	ug/l	92
20) Methylene Chloride	4.716	84	993	Below Cal	#	82
25) 2-Butanone	6.990	43	1114	7.016	ug/l #	49
26) 2,2-Dichloropropane	6.990	77	1309	2.247	ug/l #	54
31) Cyclohexane	7.795	56	610	1.073	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	2667	5.361	ug/l #	44
37) Ethyl Acetate	6.990	43	1114	3.253	ug/l #	2
38) Carbon Tetrachloride	7.801	117	3126	5.945	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	10922	43.747	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	10922	84.702	ug/l #	10

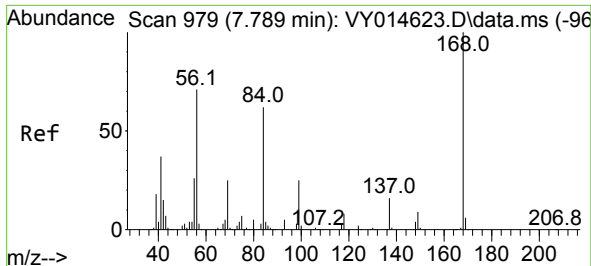
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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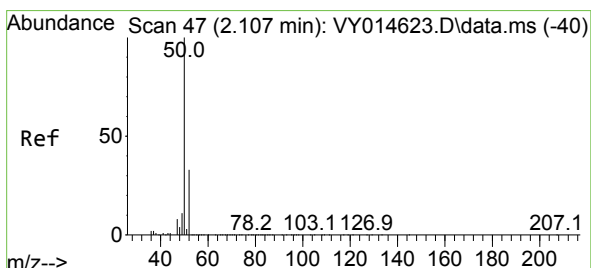
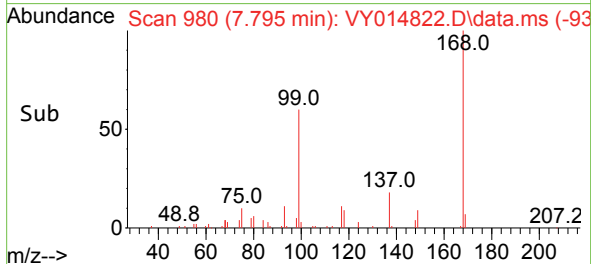
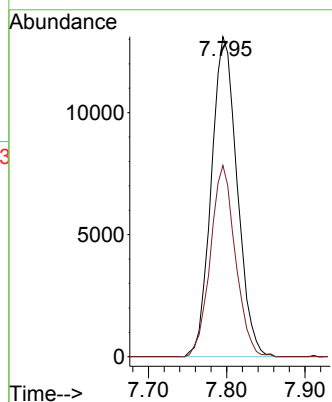
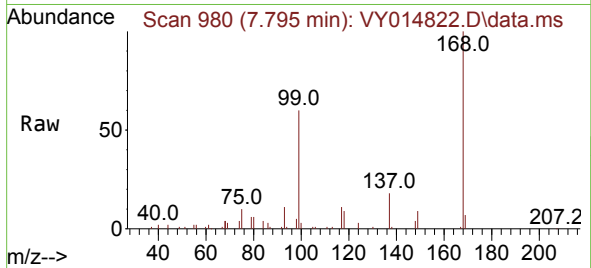




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

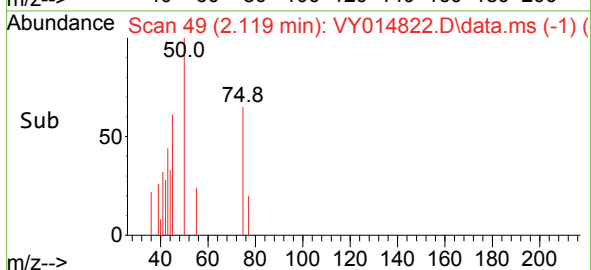
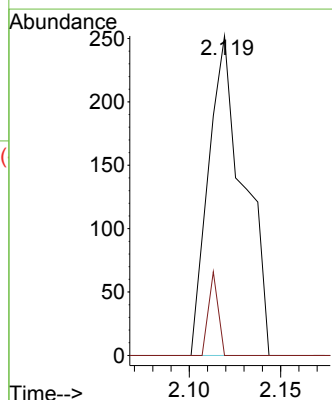
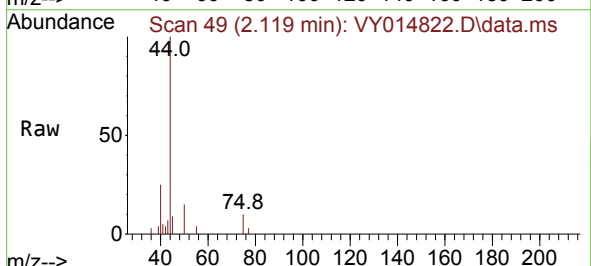
Instrument :
MSVOA_Y
ClientSampleId :
B-P12B

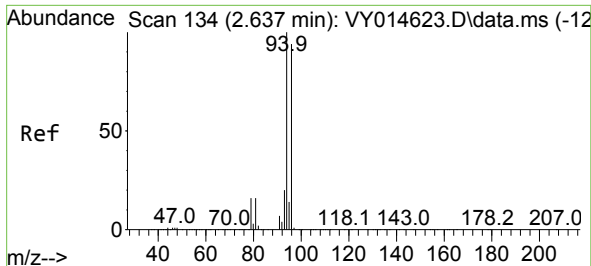
Tgt Ion:168 Resp: 30055
Ion Ratio Lower Upper
168 100
99 59.8 43.4 65.0



#3
Chloromethane
Concen: 1.232 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.012 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

Tgt Ion: 50 Resp: 339
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

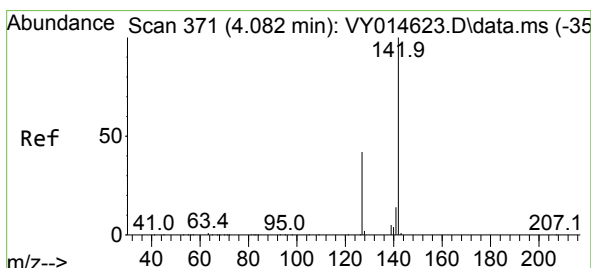
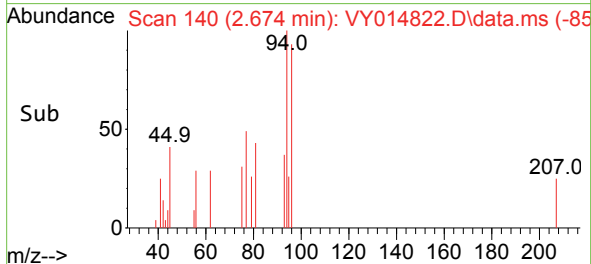
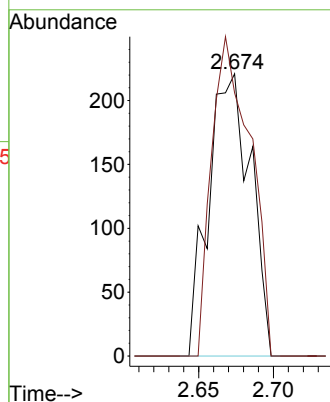
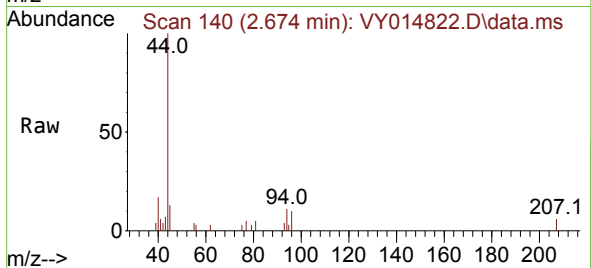




#5
Bromomethane
Concen: 2.135 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.037 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

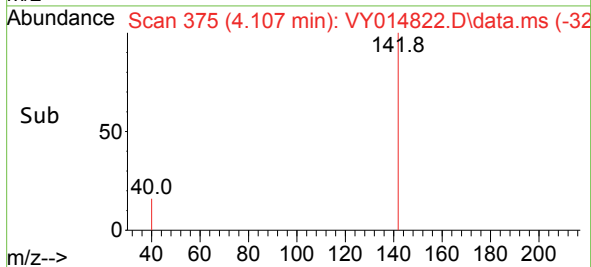
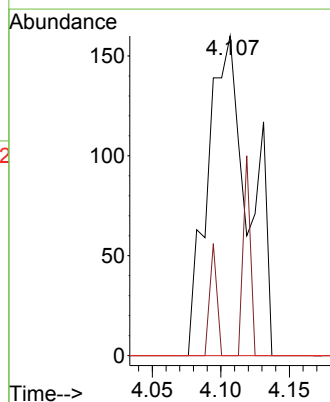
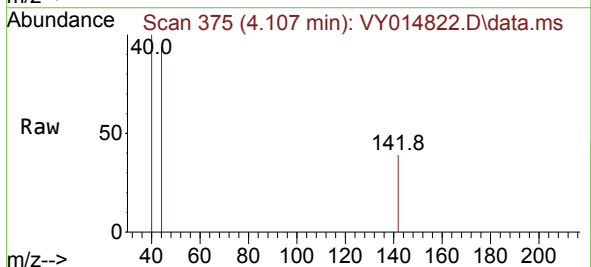
Instrument :
MSVOA_Y
ClientSampleId :
B-P12B

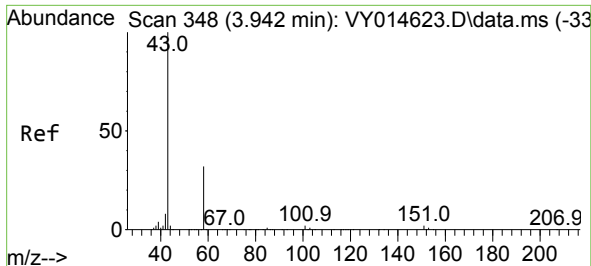
Tgt Ion: 94 Resp: 434
Ion Ratio Lower Upper
94 100
96 93.2 75.8 113.6



#10
Methyl Iodide
Concen: 3.320 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.025 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

Tgt Ion:142 Resp: 335
Ion Ratio Lower Upper
142 100
127 11.0 37.6 56.4#
141 0.0 11.8 17.8#

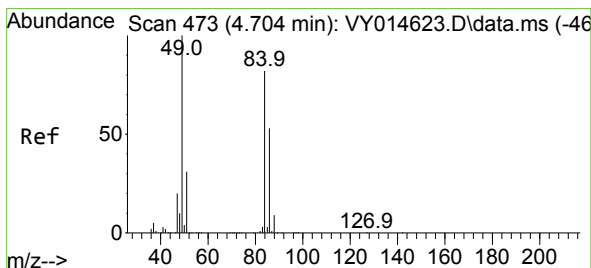
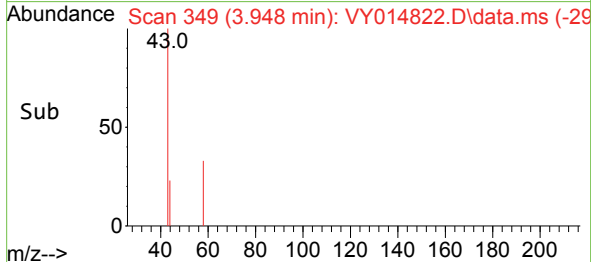
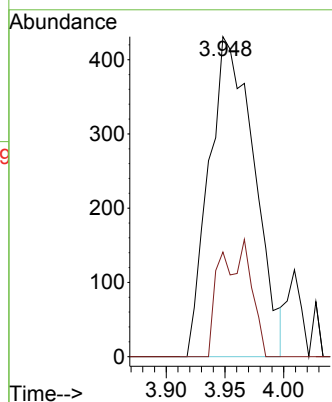
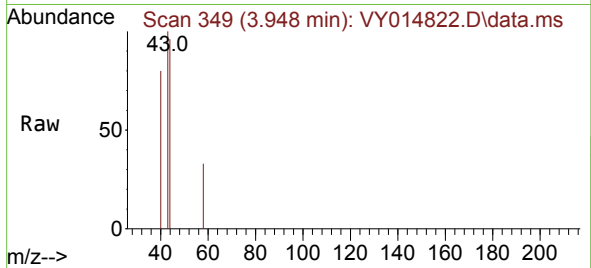




#16
Acetone
Concen: 10.605 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

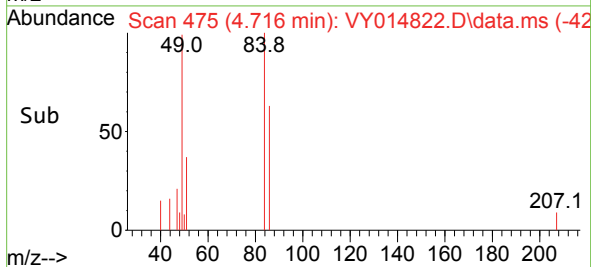
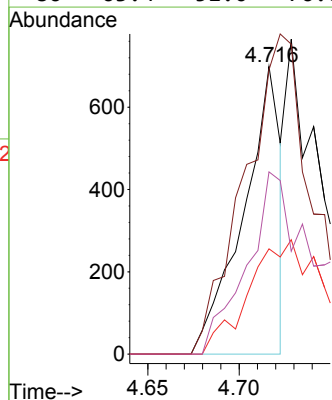
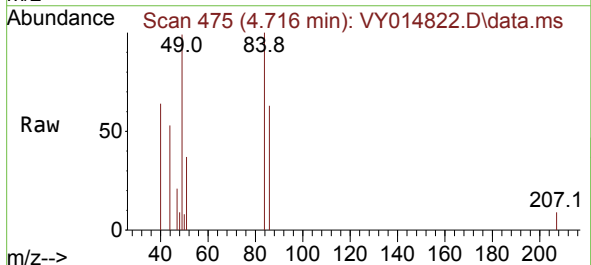
Instrument :
MSVOA_Y
ClientSampleId :
B-P12B

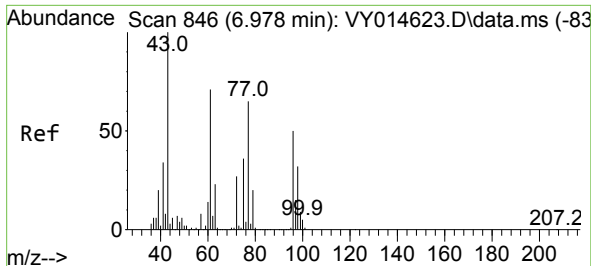
Tgt Ion: 43 Resp: 1151
Ion Ratio Lower Upper
43 100
58 32.7 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

Tgt Ion: 84 Resp: 993
Ion Ratio Lower Upper
84 100
49 98.9 106.9 160.3#
51 36.6 33.2 49.8
86 63.4 51.0 76.6

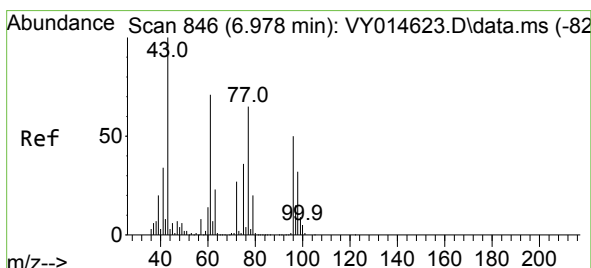
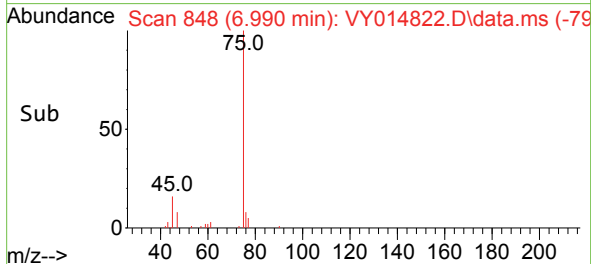
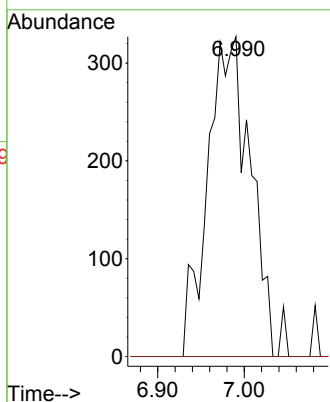
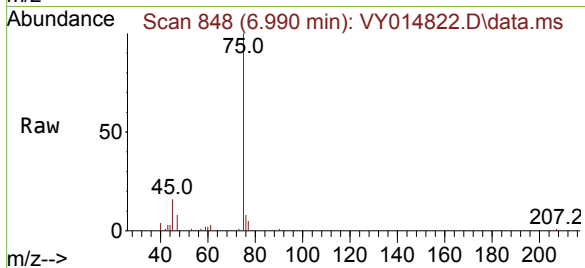




#25
2-Butanone
Concen: 7.016 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

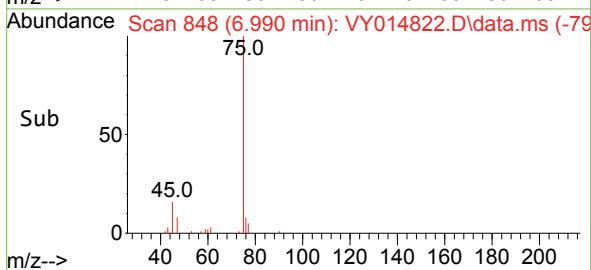
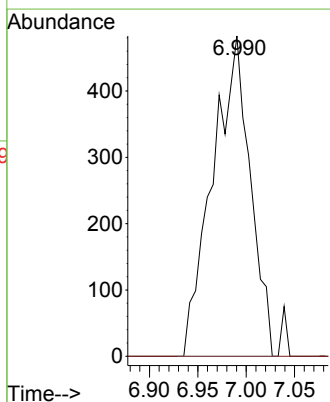
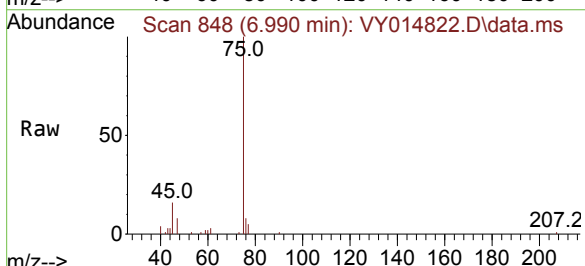
Instrument :
MSVOA_Y
ClientSampleId :
B-P12B

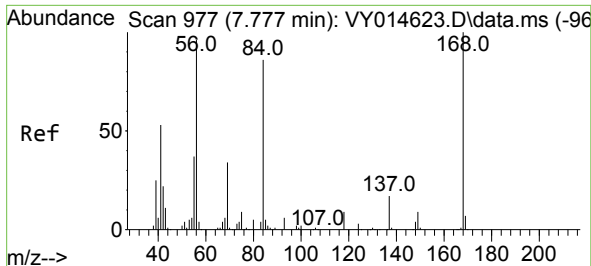
Tgt Ion: 43 Resp: 1114
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.247 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

Tgt Ion: 77 Resp: 1309
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

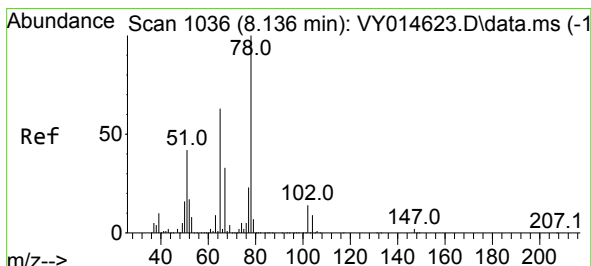
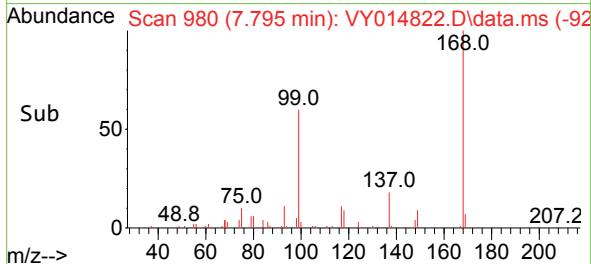
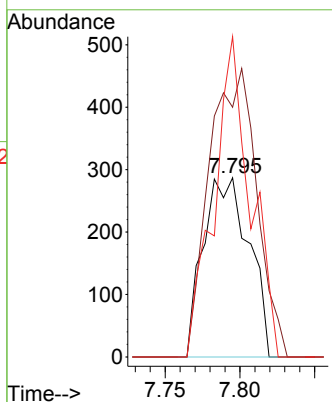
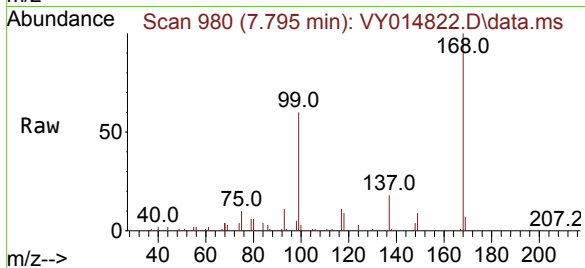




#31
Cyclohexane
Concen: 1.073 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

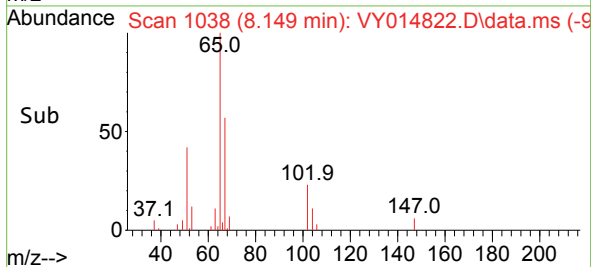
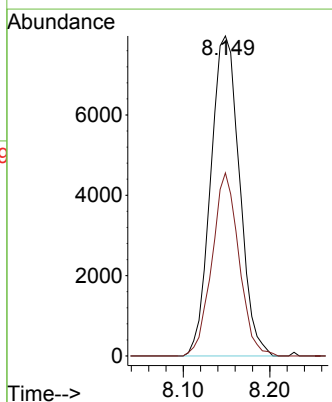
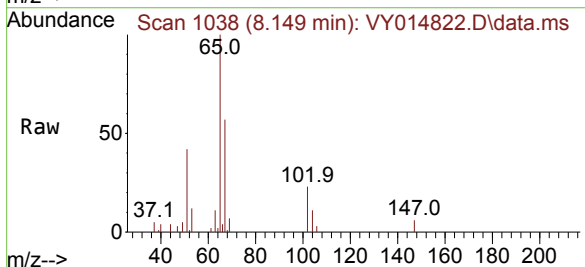
Instrument :
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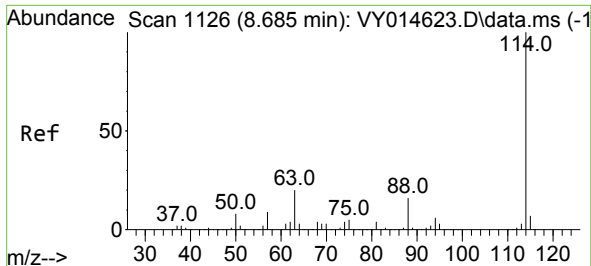
Tgt Ion: 56 Resp: 610
Ion Ratio Lower Upper
56 100
69 139.4 27.8 41.6#
84 178.7 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.780 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

Tgt Ion: 65 Resp: 18419
Ion Ratio Lower Upper
65 100
67 53.4 0.0 101.8

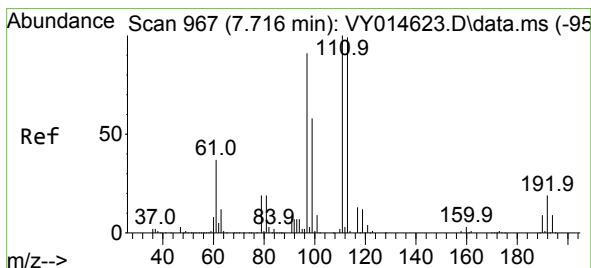
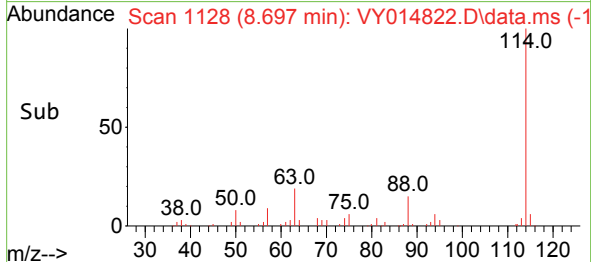
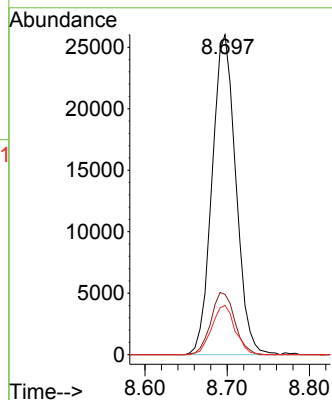
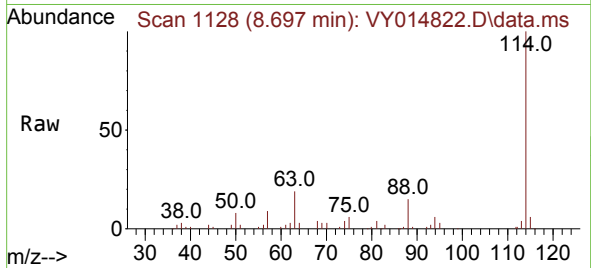




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1126
Delta R.T. 0.012 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

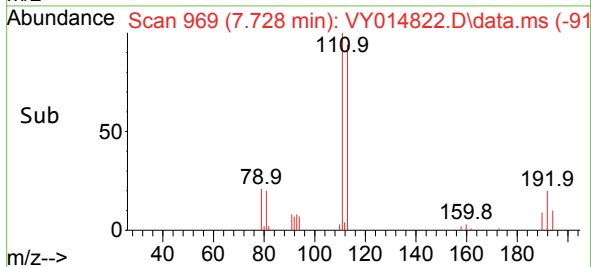
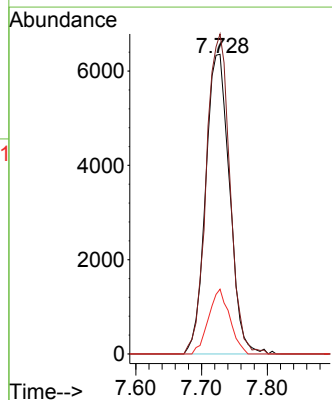
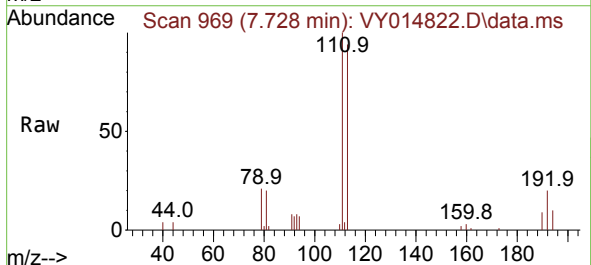
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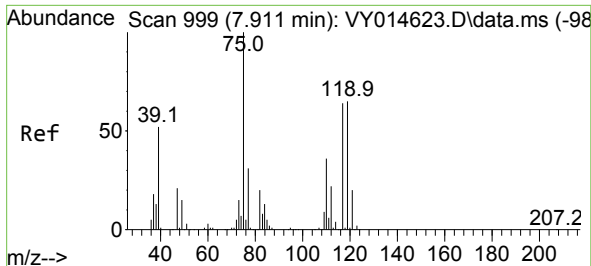
Tgt Ion:114 Resp: 52254
Ion Ratio Lower Upper
114 100
63 18.9 0.0 42.4
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.494 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

Tgt Ion:113 Resp: 16131
Ion Ratio Lower Upper
113 100
111 104.5 81.3 121.9
192 19.1 16.9 25.3

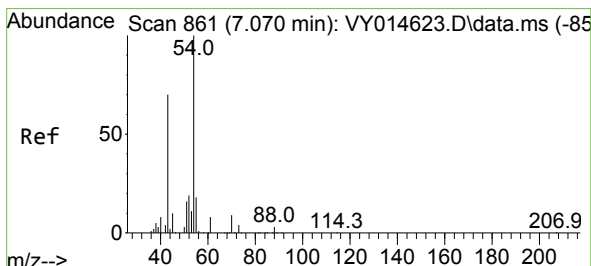
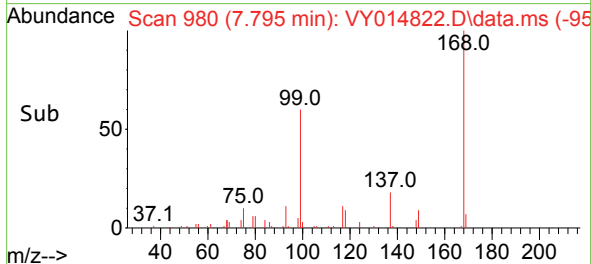
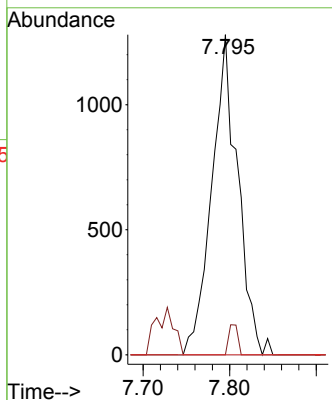
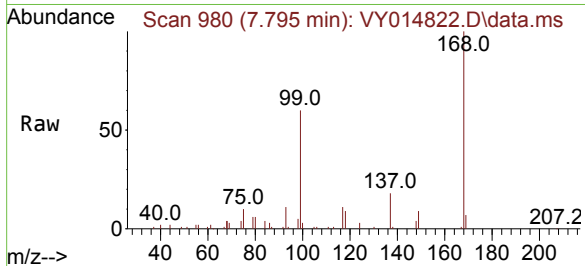




#36
1,1-Dichloropropene
Concen: 5.361 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

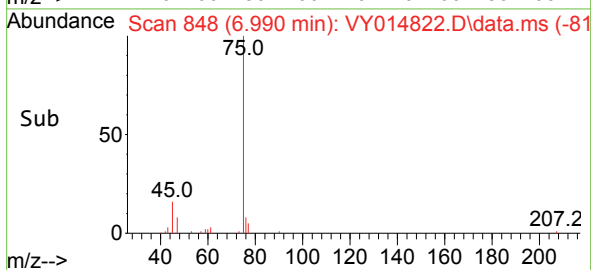
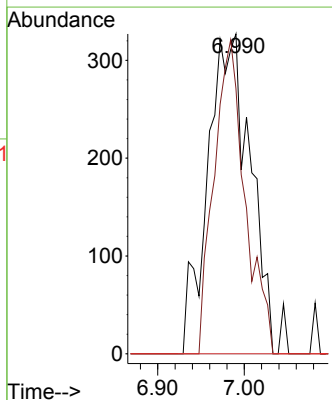
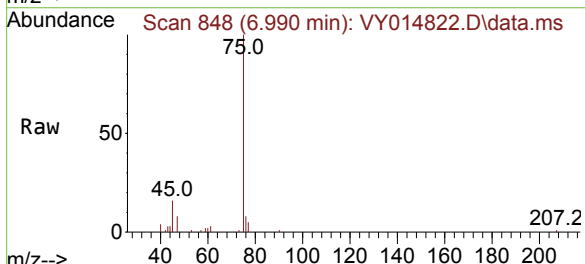
Instrument :
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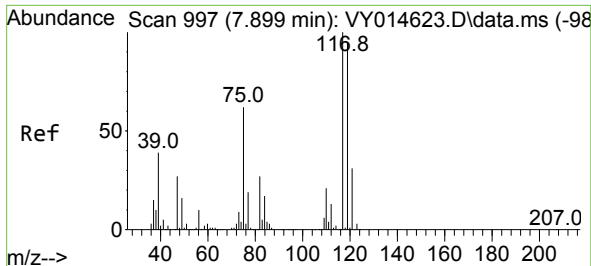
Tgt Ion: 75 Resp: 2667
Ion Ratio Lower Upper
75 100
110 3.3 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.253 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.080 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

Tgt Ion: 43 Resp: 1114
Ion Ratio Lower Upper
43 100
61 71.8 10.1 15.1#
70 0.0 7.1 10.7#

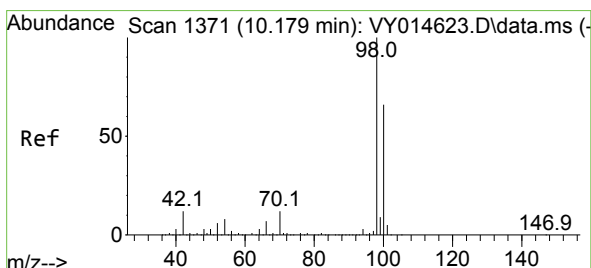
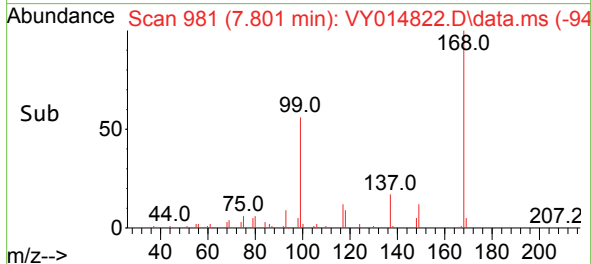
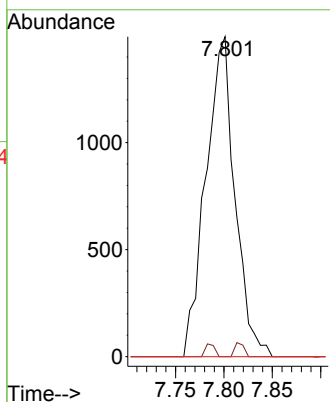
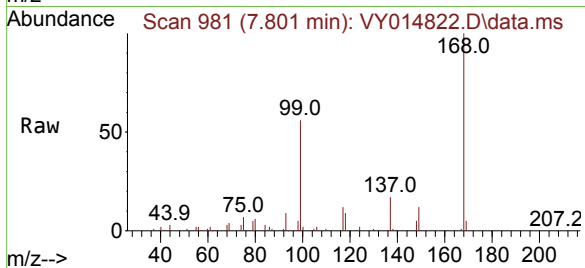




#38
Carbon Tetrachloride
Concen: 5.945 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

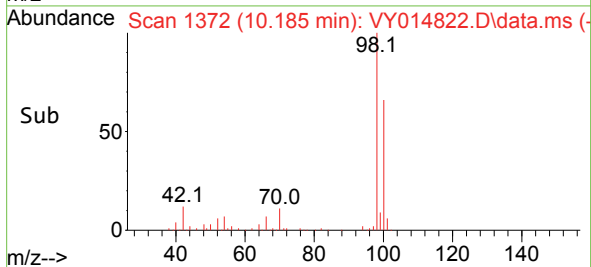
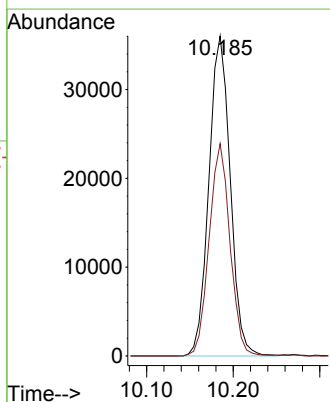
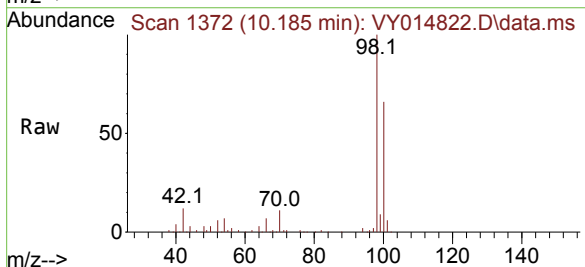
Instrument :
MSVOA_Y
ClientSampleId :
B-P12B

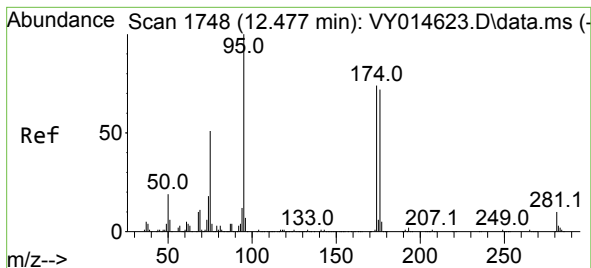
Tgt Ion:117 Resp: 3126
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.343 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

Tgt Ion: 98 Resp: 61739
Ion Ratio Lower Upper
98 100
100 64.7 50.1 75.1

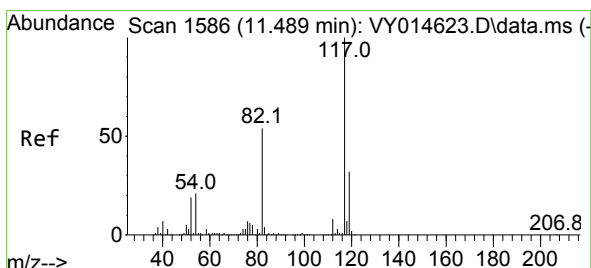
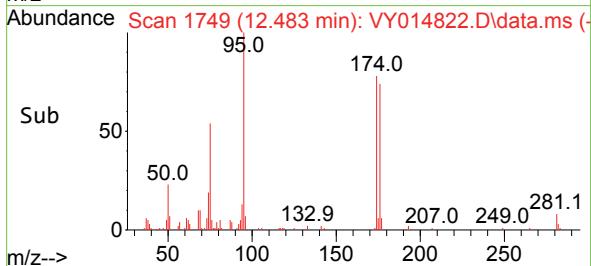
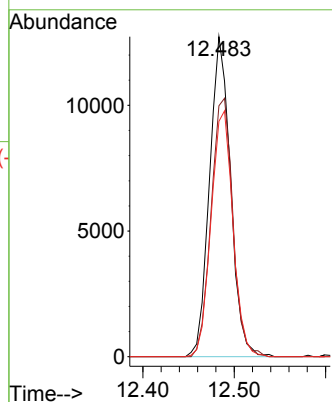
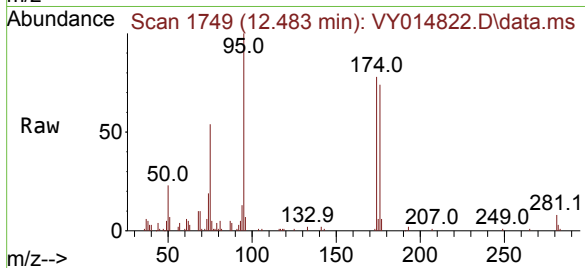




#62
4-Bromofluorobenzene
Concen: 43.106 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

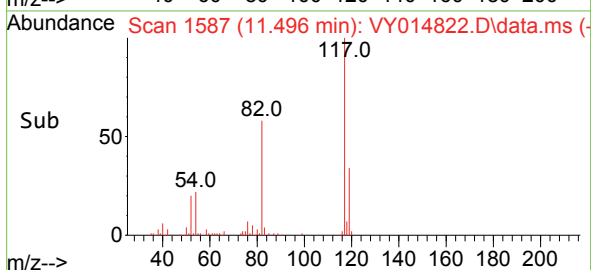
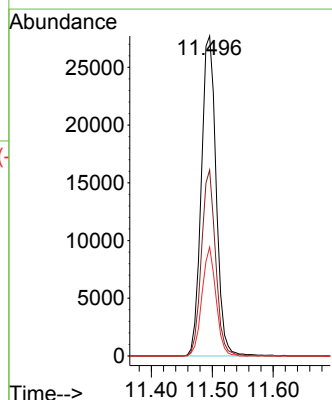
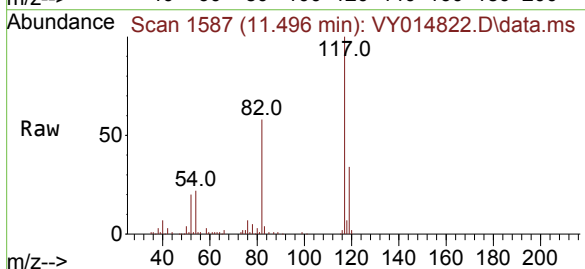
Instrument :
MSVOA_Y
ClientSampleId :
B-P12B

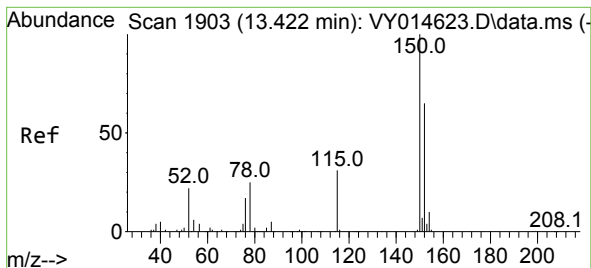
Tgt Ion: 95 Resp: 20270
Ion Ratio Lower Upper
95 100
174 84.0 0.0 178.2
176 80.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014822.D
Acq: 26 Jul 2023 00:01

Tgt Ion: 117 Resp: 46971
Ion Ratio Lower Upper
117 100
82 58.1 43.4 65.0
119 34.0 26.3 39.5

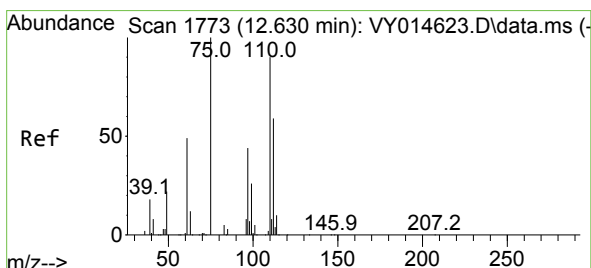
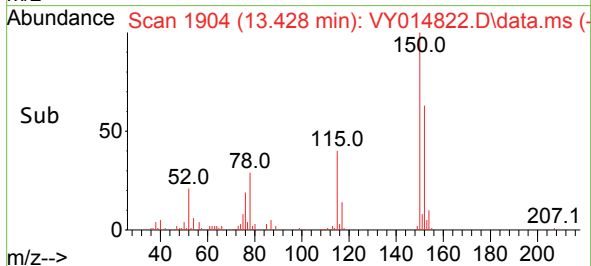
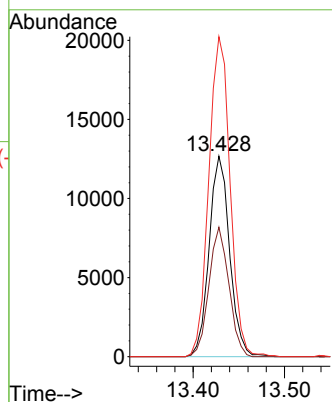
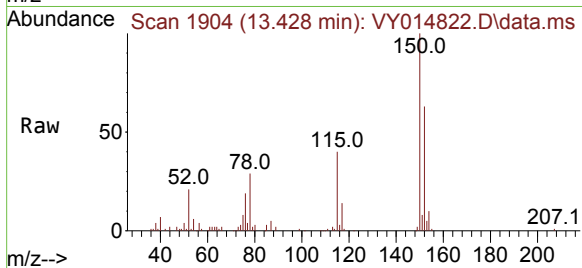




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY014822.D
 Acq: 26 Jul 2023 00:01

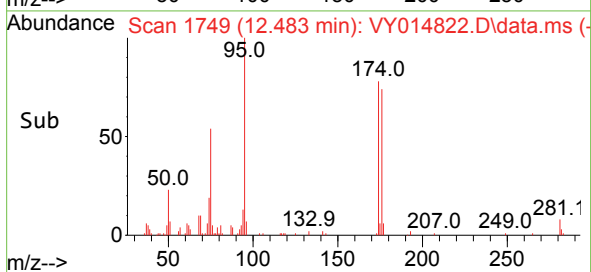
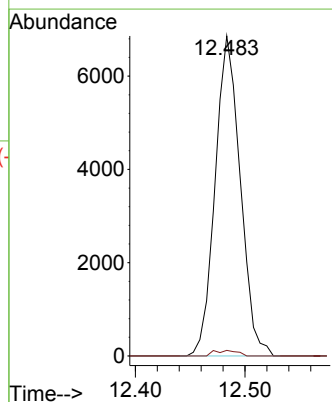
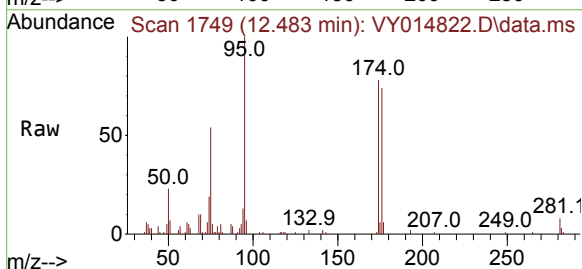
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P12B

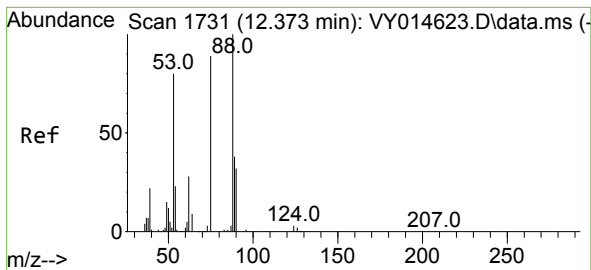
Tgt Ion:152 Resp: 19768
 Ion Ratio Lower Upper
 152 100
 115 62.8 28.8 86.5
 150 165.3 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 43.747 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY014822.D
 Acq: 26 Jul 2023 00:01

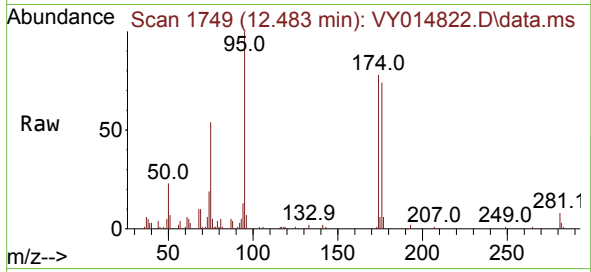
Tgt Ion: 75 Resp: 10922
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.702 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014822.D
 Acq: 26 Jul 2023 00:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P12B



Tgt Ion: 75 Resp: 10922
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

