

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014772.D
 Acq On : 24 Jul 2023 15:07
 Operator : SY/MD
 Sample : 03706-05
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P20A

Quant Time: Jul 24 15:16:56 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)

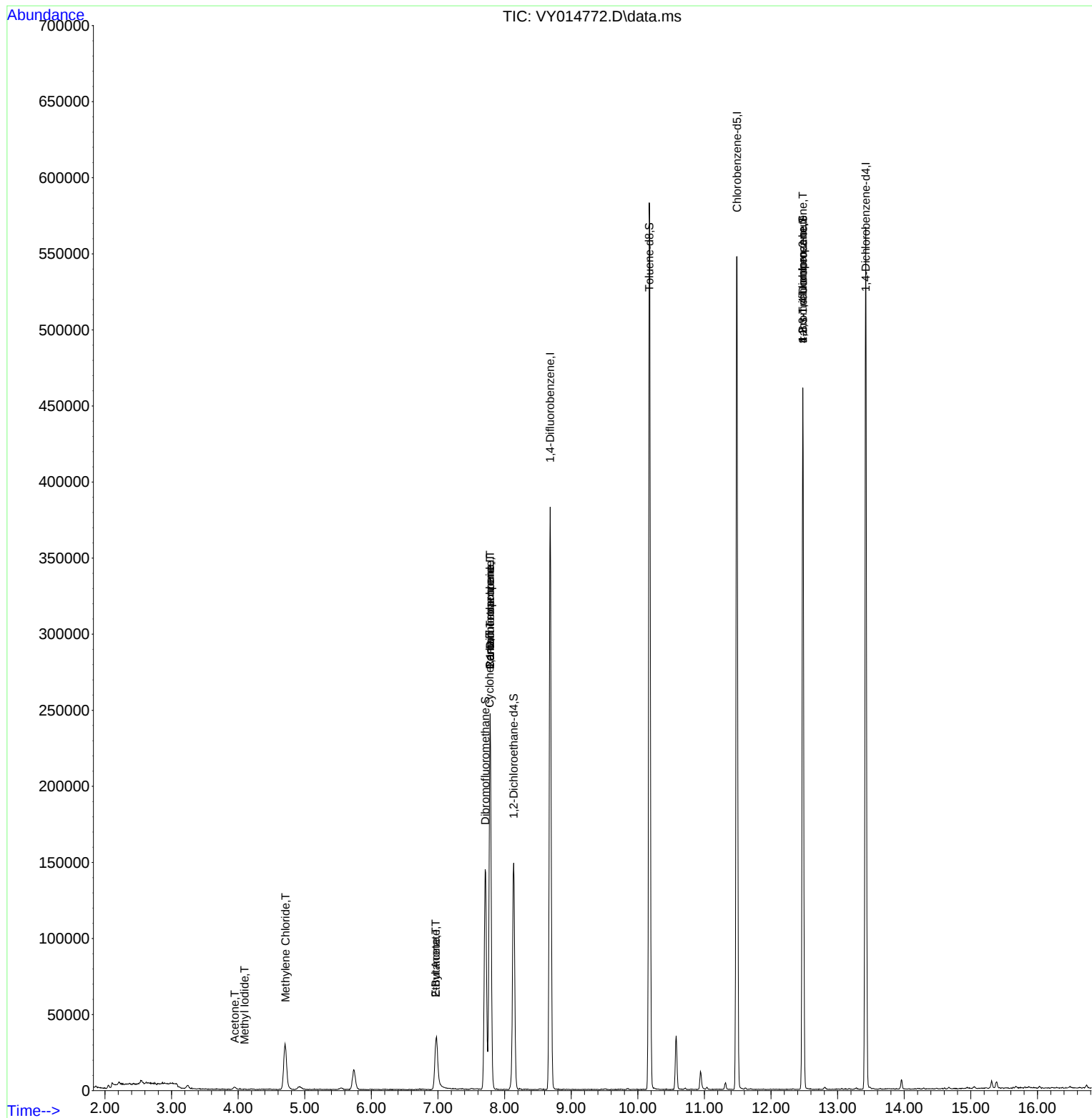
Internal Standards						
1) Pentafluorobenzene	7.783	168	187432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	328805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	307568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	141469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	115594	54.121	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.240%	
35) Dibromofluoromethane	7.709	113	104388	49.873	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.740%	
50) Toluene-d8	10.172	98	387852	50.261	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.520%	
62) 4-Bromofluorobenzene	12.477	95	141010	47.656	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.320%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.094	142	220	2.470	ug/l #	38
11) Tert butyl alcohol	4.923	59	1609	Below Cal	#	89
16) Acetone	3.948	43	2798	4.134	ug/l	99
20) Methylene Chloride	4.710	84	22964	6.795	ug/l #	86
25) 2-Butanone	6.966	43	2368	2.391	ug/l #	81
31) Cyclohexane	7.776	56	4070	1.148	ug/l #	5
36) 1,1-Dichloropropene	7.783	75	14867	4.750	ug/l #	49
37) Ethyl Acetate	6.966	43	2368	1.099	ug/l #	1
38) Carbon Tetrachloride	7.783	117	18525	5.599	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	74344	41.609	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	74344	80.563	ug/l #	11

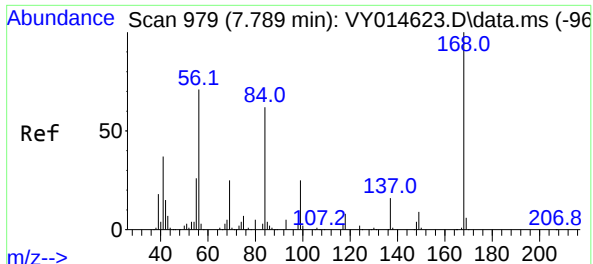
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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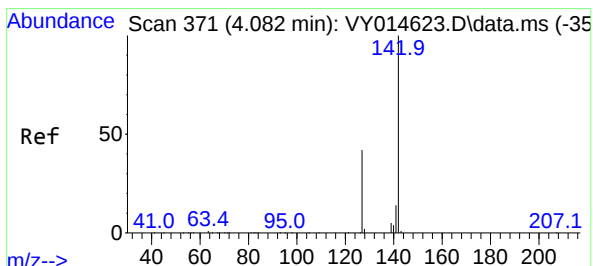
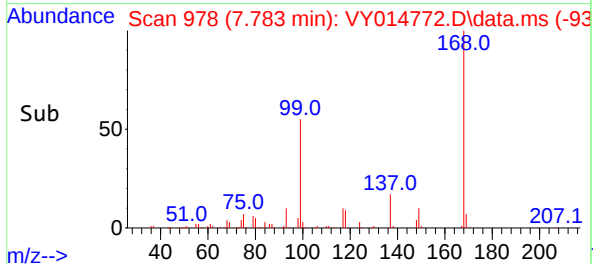
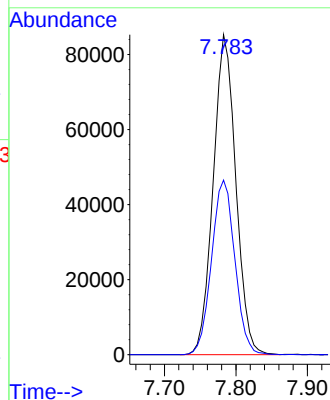
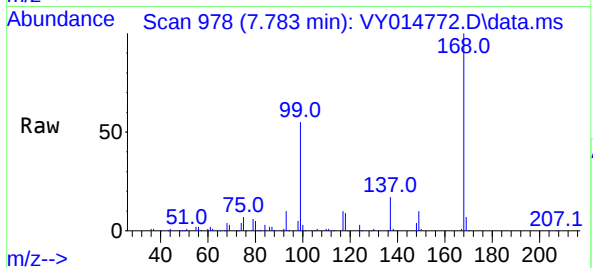




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014772.D
Acq: 24 Jul 2023 15:07

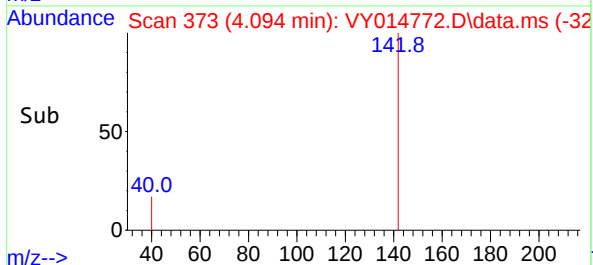
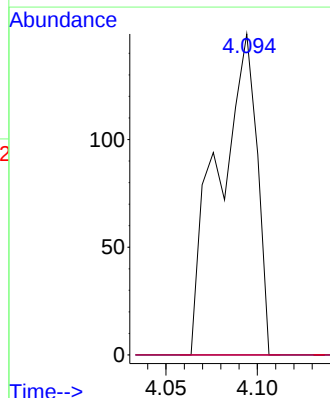
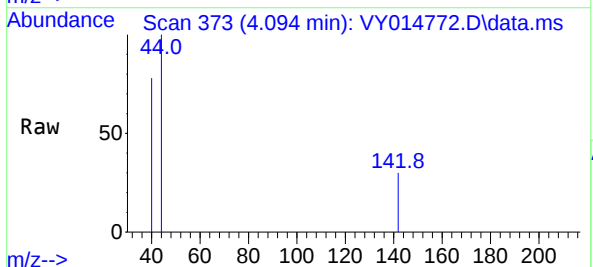
Instrument :
MSVOA_Y
ClientSampleId :
B-P20A

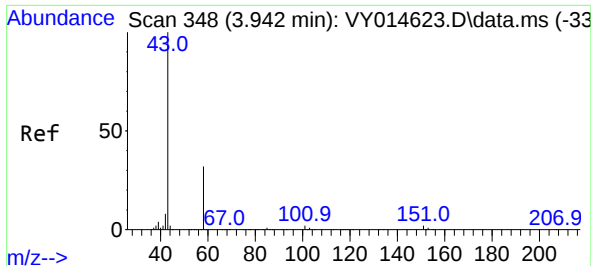
Tgt Ion:168 Resp: 187432
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#10
Methyl Iodide
Concen: 2.470 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY014772.D
Acq: 24 Jul 2023 15:07

Tgt Ion:142 Resp: 220
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

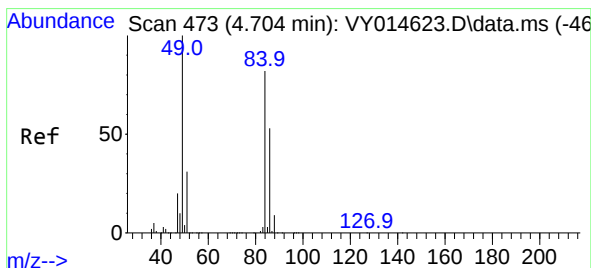
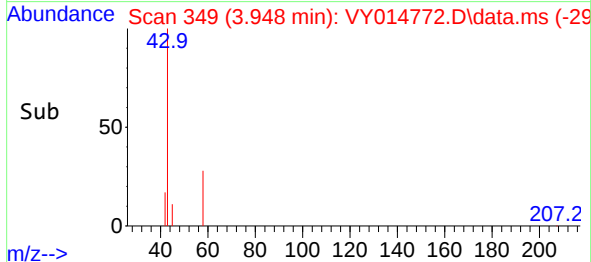
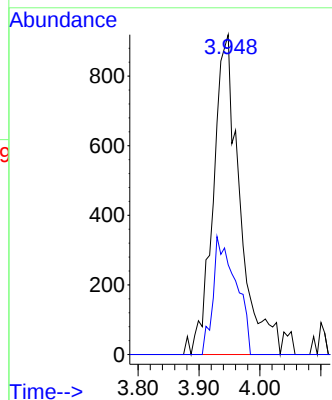
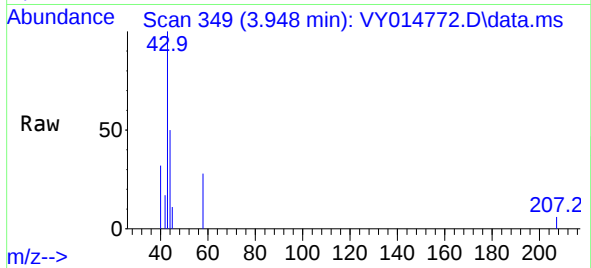




#16
Acetone
Concen: 4.134 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY014772.D
Acq: 24 Jul 2023 15:07

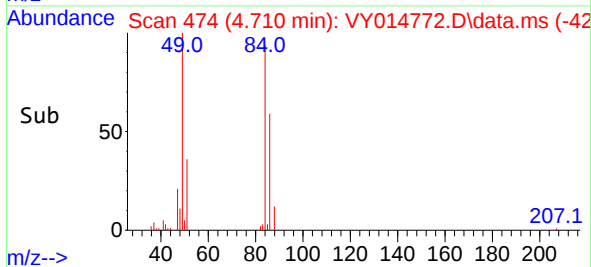
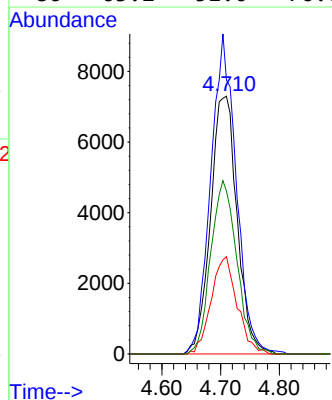
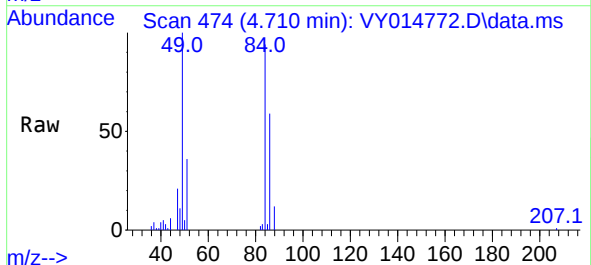
Instrument :
MSVOA_Y
ClientSampleId :
B-P20A

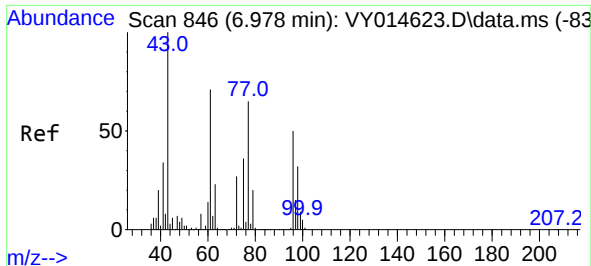
Tgt Ion: 43 Resp: 2798
Ion Ratio Lower Upper
43 100
58 28.1 22.7 34.1



#20
Methylene Chloride
Concen: 6.795 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014772.D
Acq: 24 Jul 2023 15:07

Tgt Ion: 84 Resp: 22964
Ion Ratio Lower Upper
84 100
49 106.3 106.9 160.3#
51 37.8 33.2 49.8
86 63.2 51.0 76.6

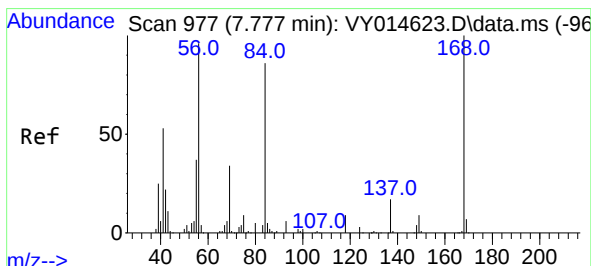
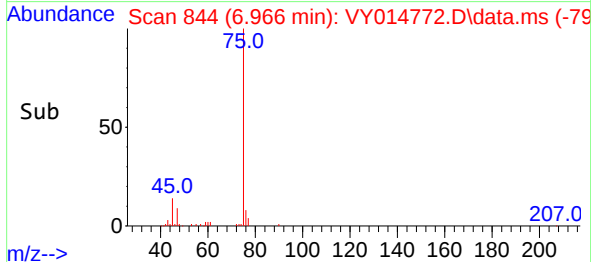
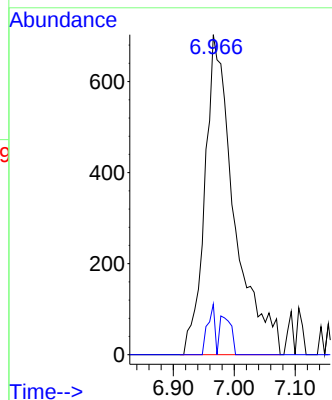
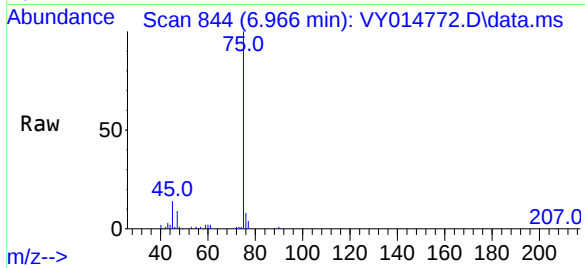




#25
2-Butanone
Concen: 2.391 ug/l
RT: 6.966 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014772.D
Acq: 24 Jul 2023 15:07

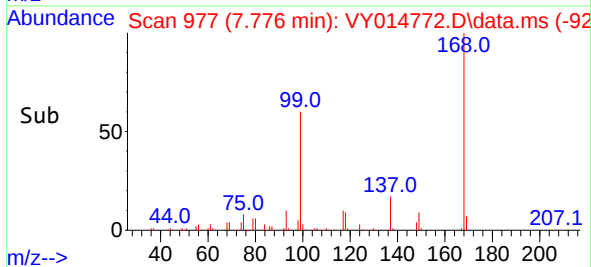
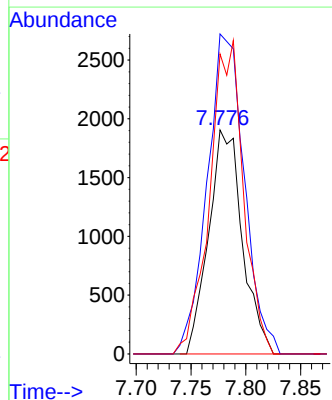
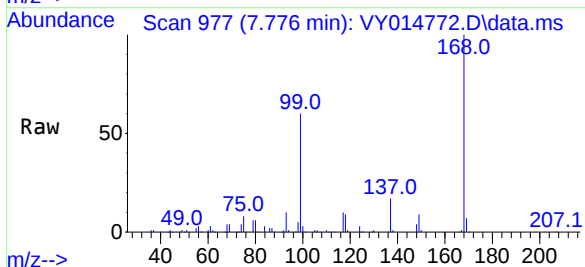
Instrument :
MSVOA_Y
ClientSampleId :
B-P20A

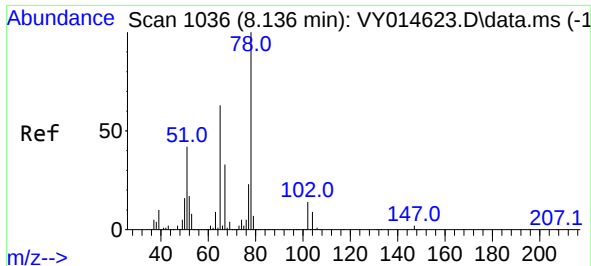
Tgt Ion: 43 Resp: 2368
Ion Ratio Lower Upper
43 100
72 15.8 20.5 30.7#



#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.776 min Scan# 977
Delta R.T. -0.001 min
Lab File: VY014772.D
Acq: 24 Jul 2023 15:07

Tgt Ion: 56 Resp: 4070
Ion Ratio Lower Upper
56 100
69 142.9 27.8 41.6#
84 134.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 54.121 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014772.D

Acq: 24 Jul 2023 15:07

Instrument :

MSVOA_Y

ClientSampleId :

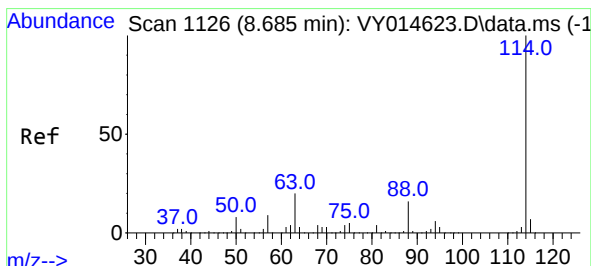
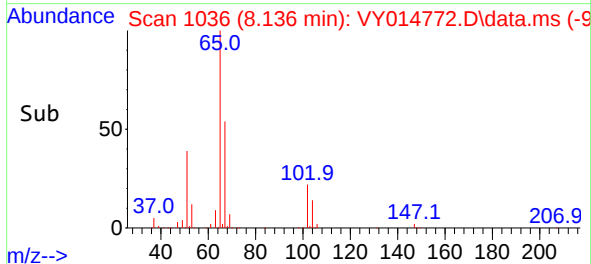
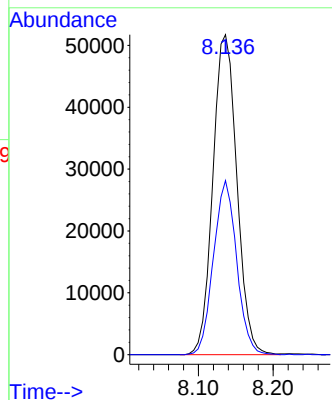
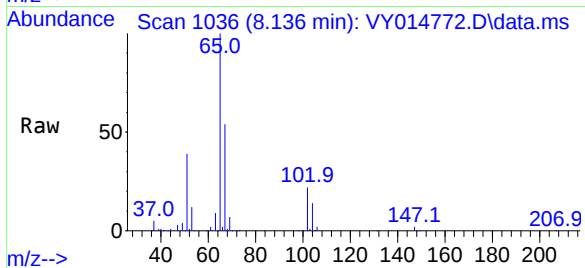
B-P20A

Tgt Ion: 65 Resp: 115594

Ion Ratio Lower Upper

65 100

67 52.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY014772.D

Acq: 24 Jul 2023 15:07

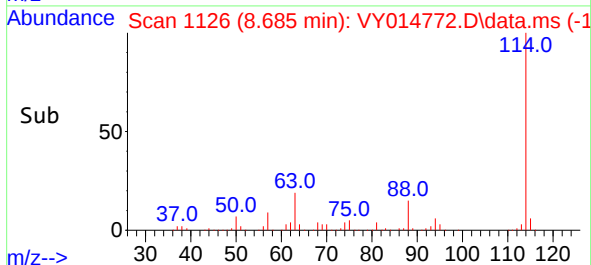
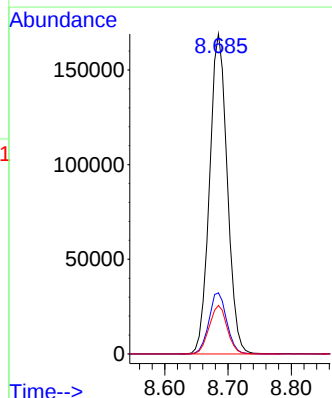
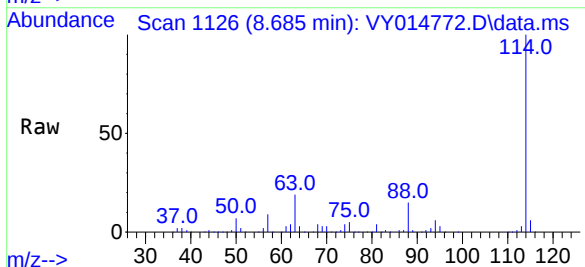
Tgt Ion: 114 Resp: 328805

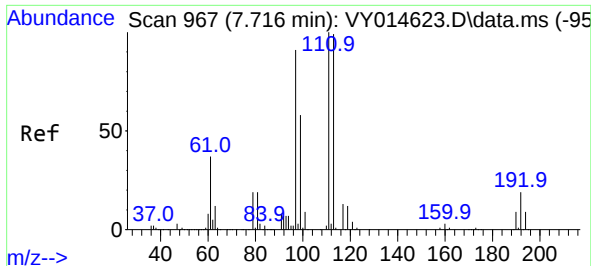
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.1 0.0 30.6

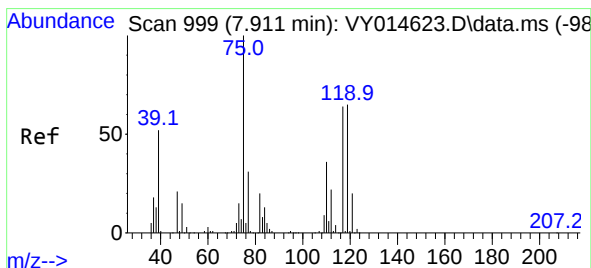
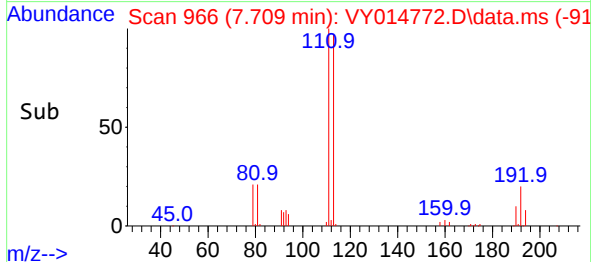
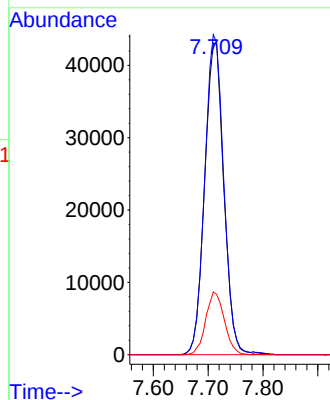
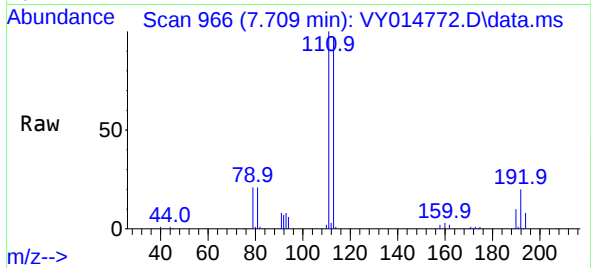




#35
Dibromofluoromethane
Concen: 49.873 ug/l
RT: 7.709 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY014772.D
Acq: 24 Jul 2023 15:07

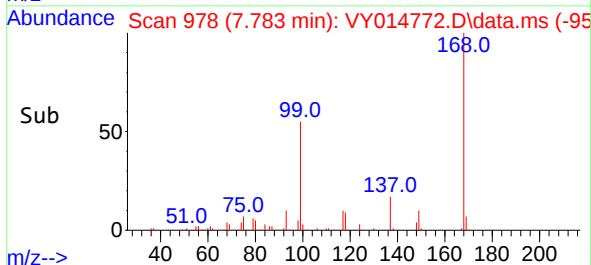
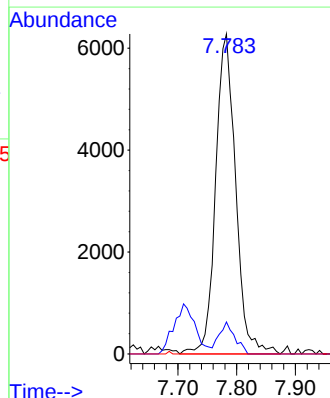
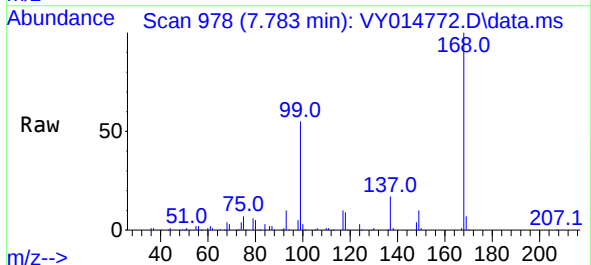
Instrument :
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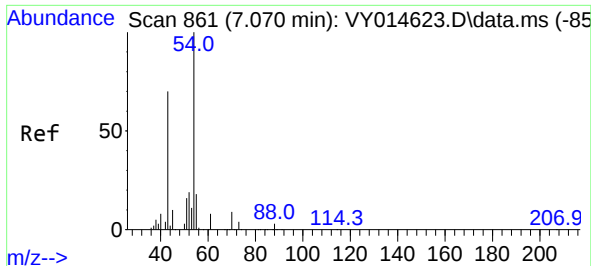
Tgt Ion:113 Resp: 104388
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.750 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014772.D
Acq: 24 Jul 2023 15:07

Tgt Ion: 75 Resp: 14867
Ion Ratio Lower Upper
75 100
110 7.8 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.099 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.104 min

Lab File: VY014772.D

Acq: 24 Jul 2023 15:07

Instrument :

MSVOA_Y

ClientSampleId :

B-P20A

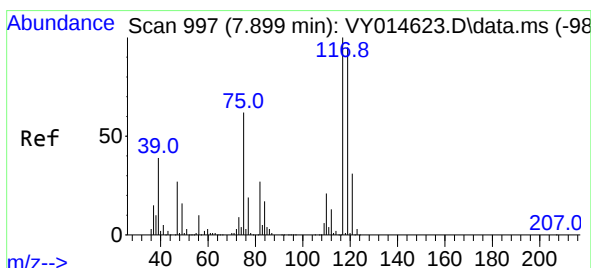
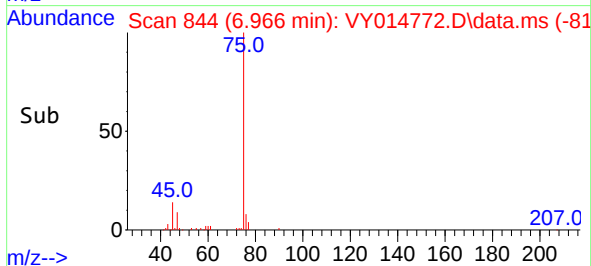
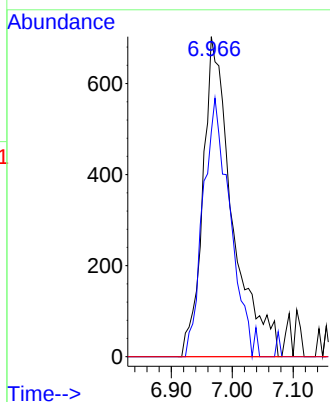
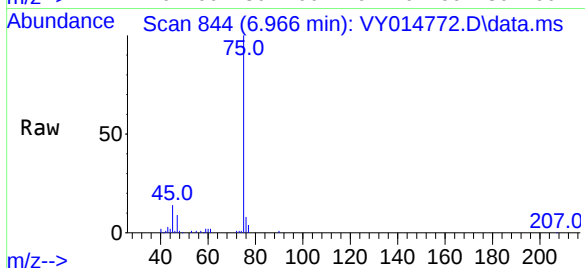
Tgt Ion: 43 Resp: 2368

Ion Ratio Lower Upper

43 100

61 74.2 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.599 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY014772.D

Acq: 24 Jul 2023 15:07

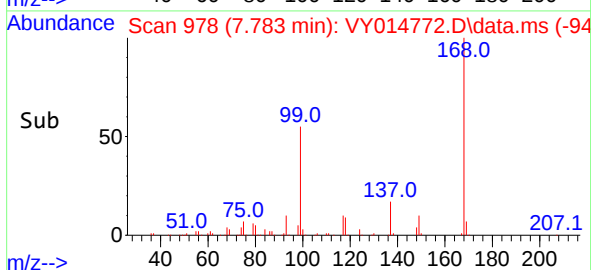
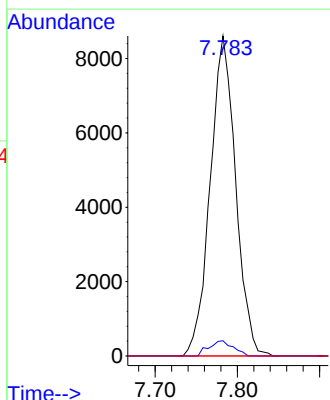
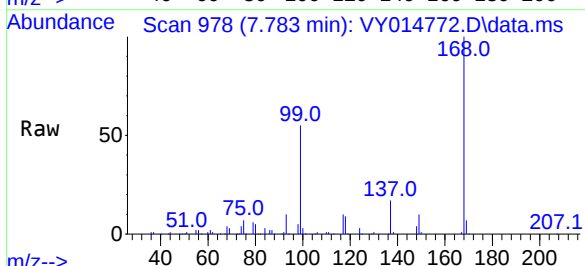
Tgt Ion: 117 Resp: 18525

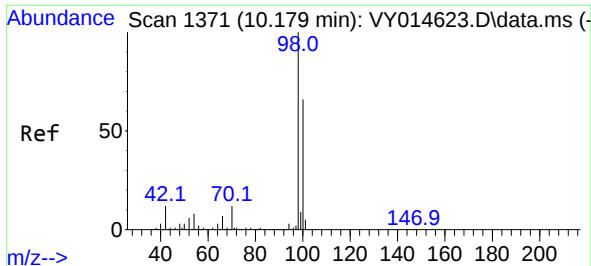
Ion Ratio Lower Upper

117 100

119 4.7 76.4 114.6#

121 0.0 25.8 38.6#

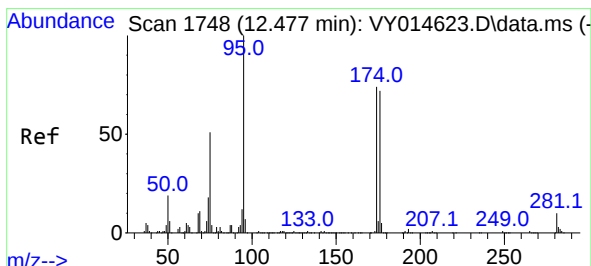
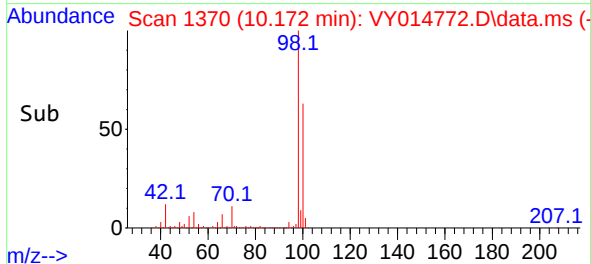
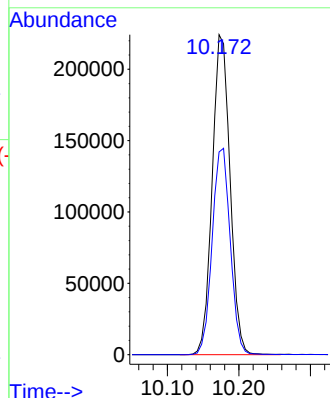
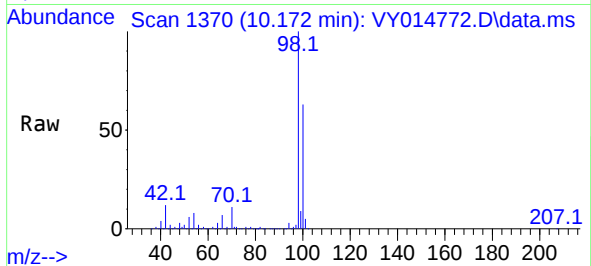




#50
Toluene-d8
Concen: 50.261 ug/l
RT: 10.172 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY014772.D
Acq: 24 Jul 2023 15:07

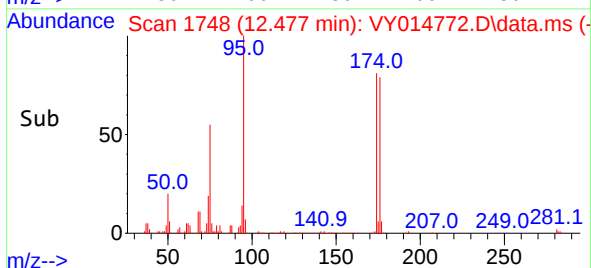
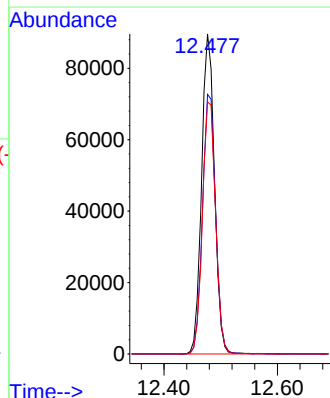
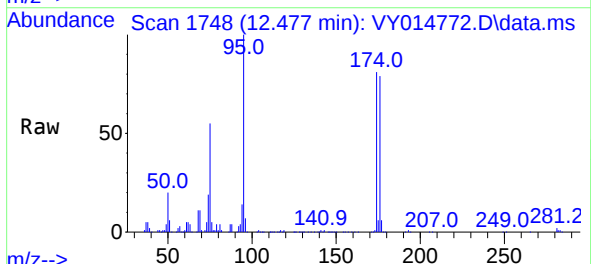
Instrument :
MSVOA_Y
ClientSampleId :
B-P20A

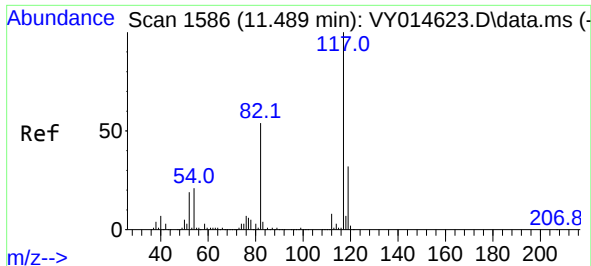
Tgt Ion: 98 Resp: 387852
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.656 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014772.D
Acq: 24 Jul 2023 15:07

Tgt Ion: 95 Resp: 141010
Ion Ratio Lower Upper
95 100
174 82.7 0.0 178.2
176 80.5 0.0 173.8

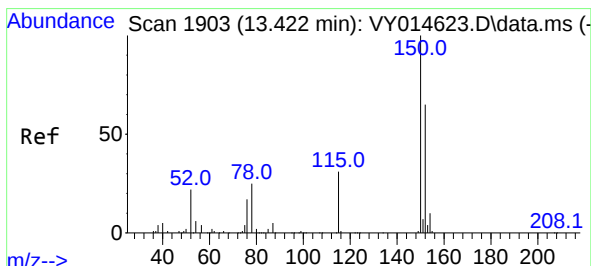
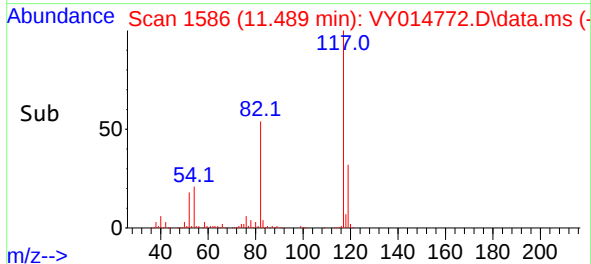
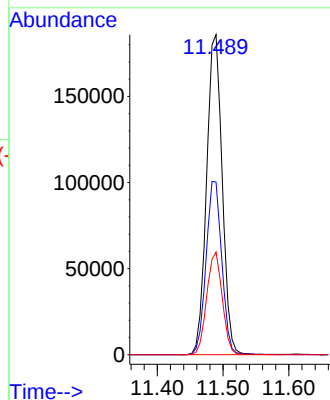
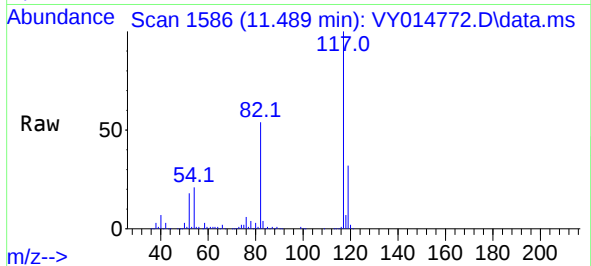




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY014772.D
Acq: 24 Jul 2023 15:07

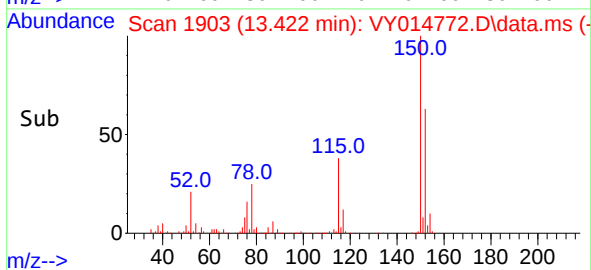
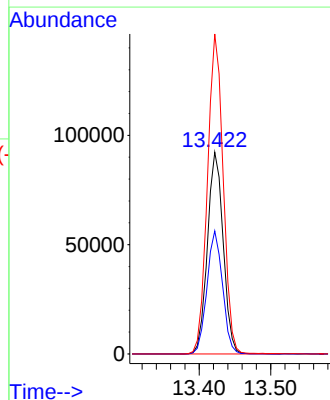
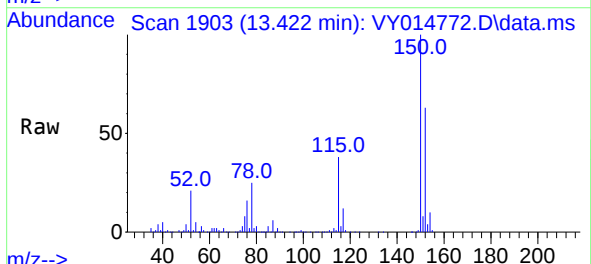
Instrument :
MSVOA_Y
ClientSampleId :
B-P20A

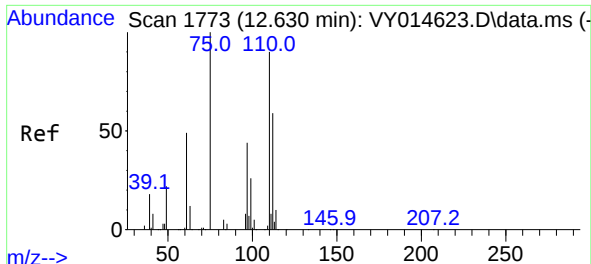
Tgt Ion:117 Resp: 307568
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 32.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY014772.D
Acq: 24 Jul 2023 15:07

Tgt Ion:152 Resp: 141469
Ion Ratio Lower Upper
152 100
115 60.2 28.8 86.5
150 157.9 0.0 348.8

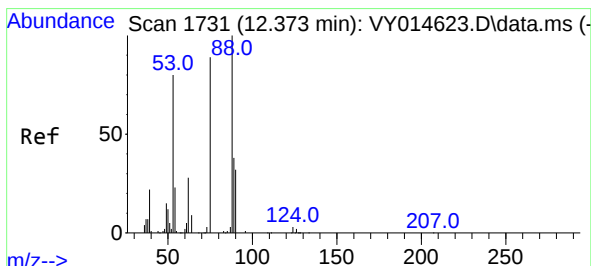
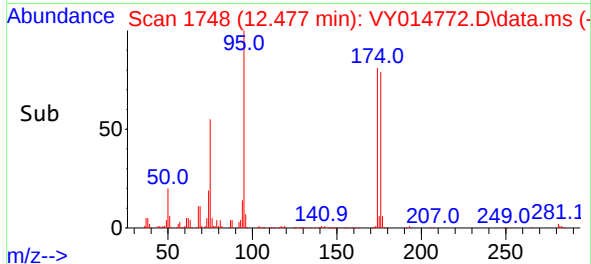
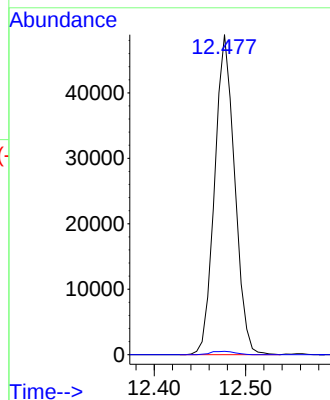
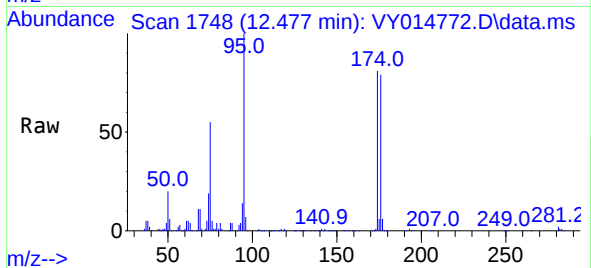




#76
1,2,3-Trichloropropane
Concen: 41.609 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY014772.D
Acq: 24 Jul 2023 15:07

Instrument :
MSVOA_Y
ClientSampleId :
B-P20A

Tgt Ion: 75 Resp: 74344
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.563 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014772.D
Acq: 24 Jul 2023 15:07

Tgt Ion: 75 Resp: 74344
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

