

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014770.D
 Acq On : 24 Jul 2023 14:20
 Operator : SY/MD
 Sample : 03706-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P9ARE

Quant Time: Jul 24 15:13:44 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)

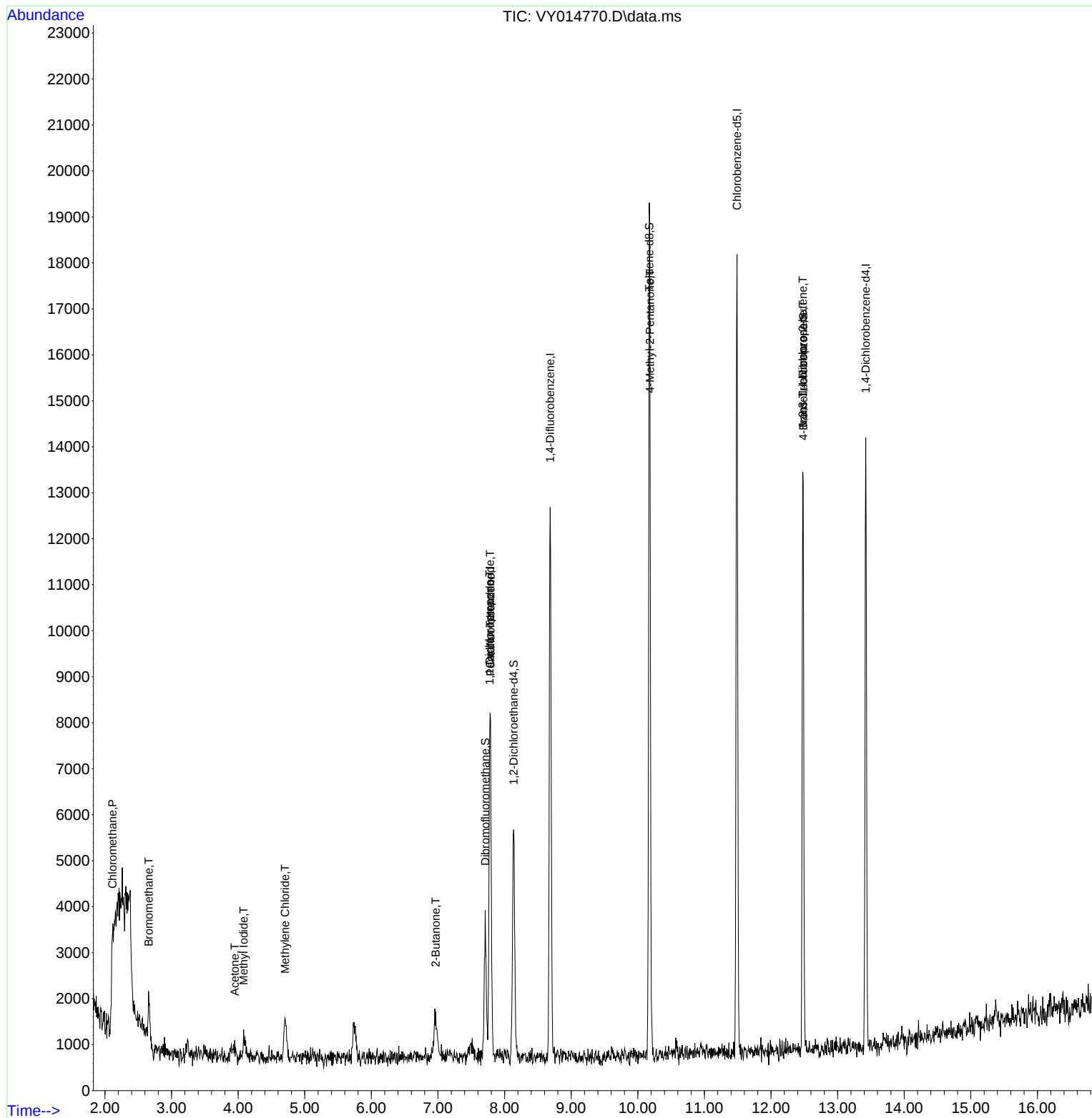
Internal Standards						
1) Pentafluorobenzene	7.789	168	6390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	11093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	9990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	3581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	3999	54.919	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.840%	
35) Dibromofluoromethane	7.710	113	2223	31.480	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 62.960%	
50) Toluene-d8	10.173	98	12834	49.296	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.600%	
62) 4-Bromofluorobenzene	12.483	95	4107	41.142	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	443	7.570	ug/l #	78
5) Bromomethane	2.656	94	527	12.193	ug/l	86
10) Methyl Iodide	4.082	142	449	8.362	ug/l #	81
16) Acetone	3.948	43	166	7.194	ug/l #	46
20) Methylene Chloride	4.704	84	784	6.811	ug/l #	67
25) 2-Butanone	6.966	43	71	2.103	ug/l #	49
36) 1,1-Dichloropropene	7.777	75	497	4.706	ug/l #	41
38) Carbon Tetrachloride	7.783	117	758	6.790	ug/l #	12
51) 4-Methyl-2-Pentanone	10.185	43	99	1.361	ug/l #	39
76) 1,2,3-Trichloropropane	12.477	75	2284	50.501	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2284	97.779	ug/l #	10

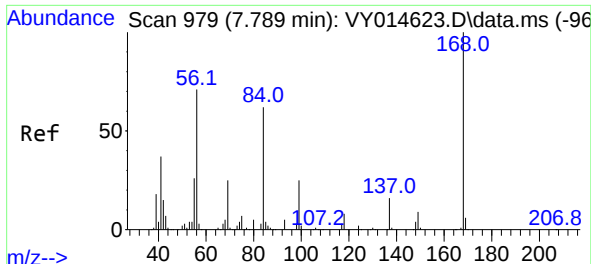
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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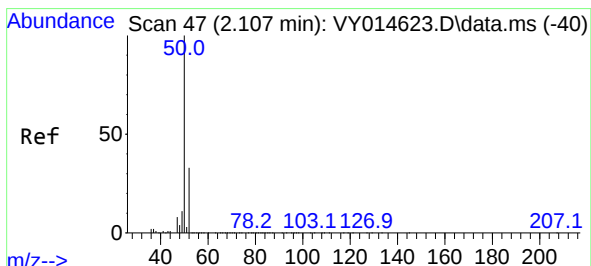
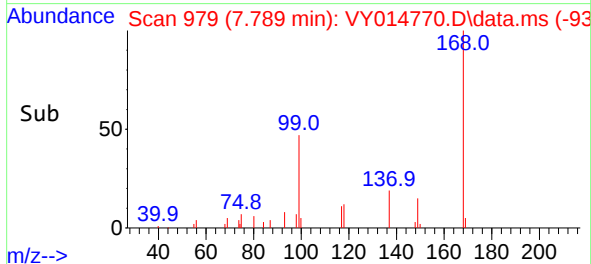
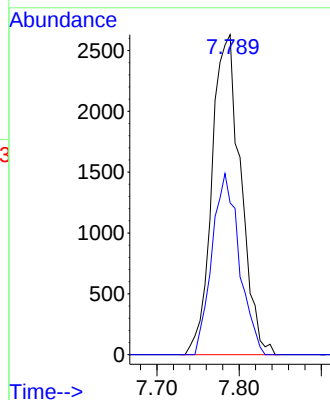
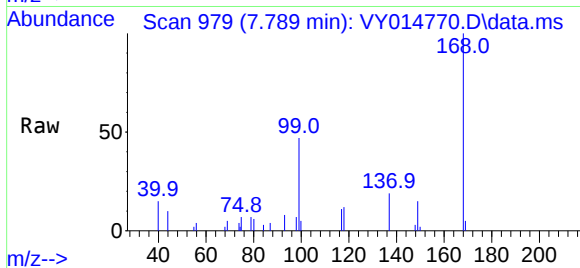




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

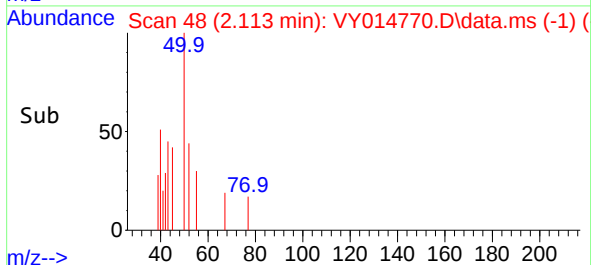
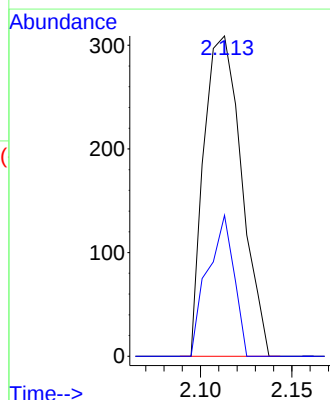
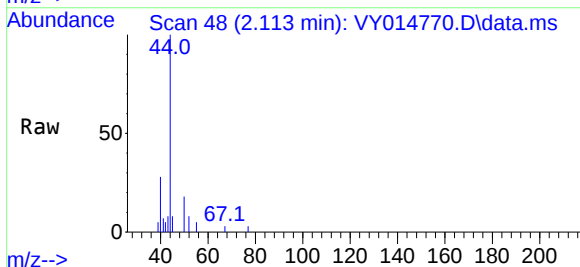
Instrument :
MSVOA_Y
ClientSampleId :
B-P9ARE

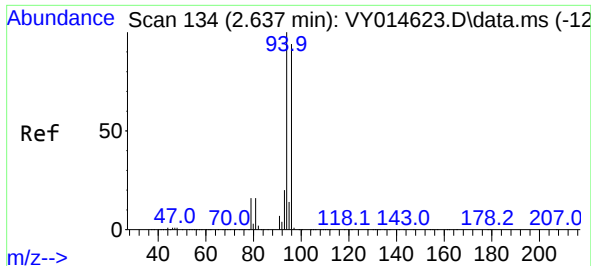
Tgt Ion:168 Resp: 6390
Ion Ratio Lower Upper
168 100
99 47.5 43.4 65.0



#3
Chloromethane
Concen: 7.570 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

Tgt Ion: 50 Resp: 443
Ion Ratio Lower Upper
50 100
52 44.0 25.4 38.2#

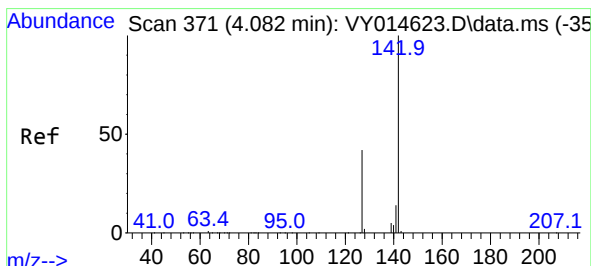
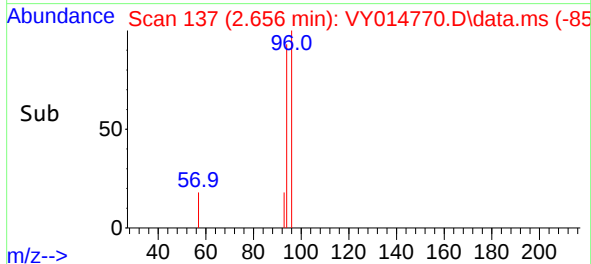
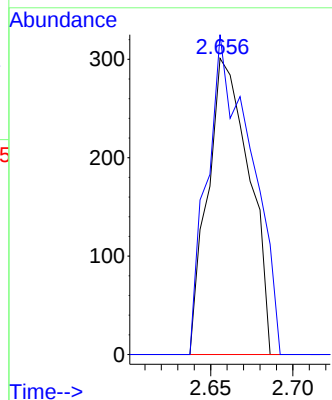
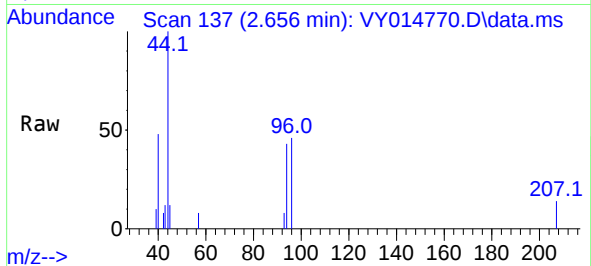




#5
Bromomethane
Concen: 12.193 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

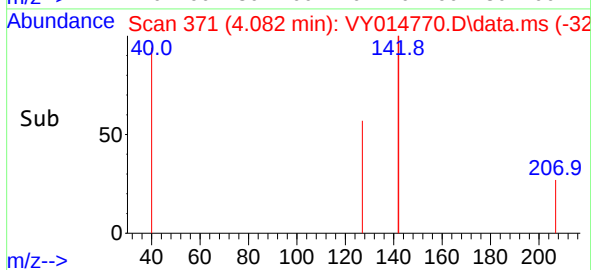
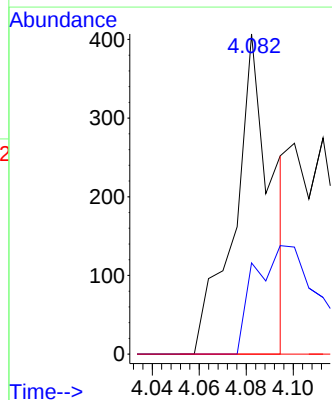
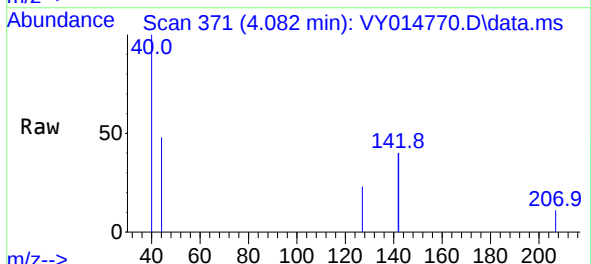
Instrument :
MSVOA_Y
ClientSampleId :
B-P9ARE

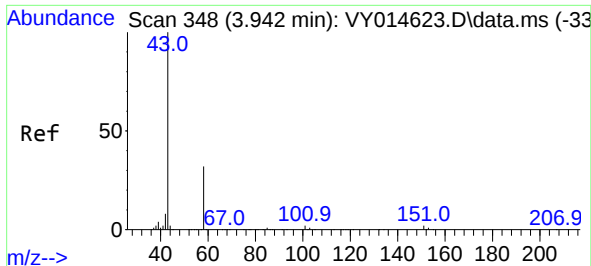
Tgt Ion: 94 Resp: 527
Ion Ratio Lower Upper
94 100
96 108.0 75.8 113.6



#10
Methyl Iodide
Concen: 8.362 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

Tgt Ion:142 Resp: 449
Ion Ratio Lower Upper
142 100
127 56.1 37.6 56.4
141 0.0 11.8 17.8#

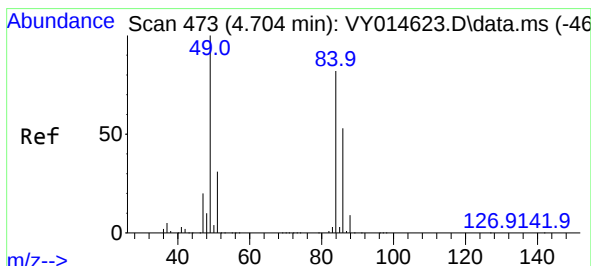
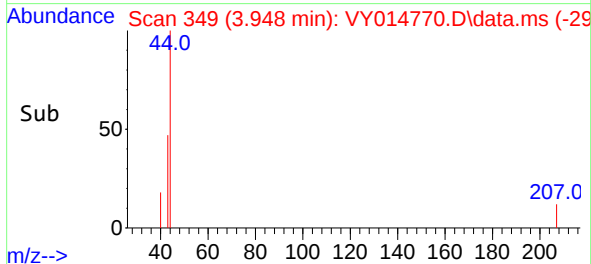
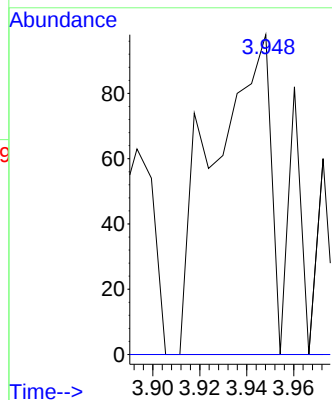
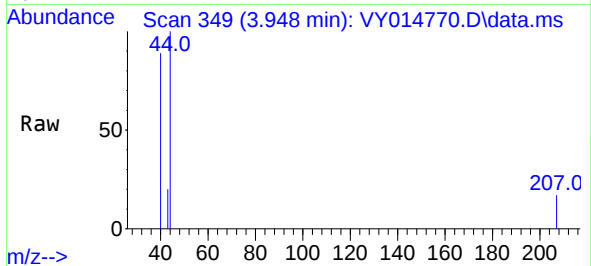




#16
Acetone
Concen: 7.194 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

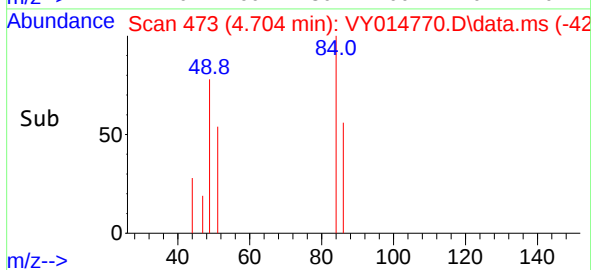
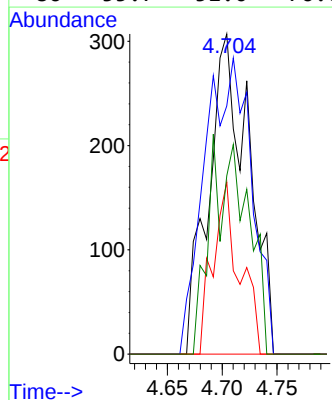
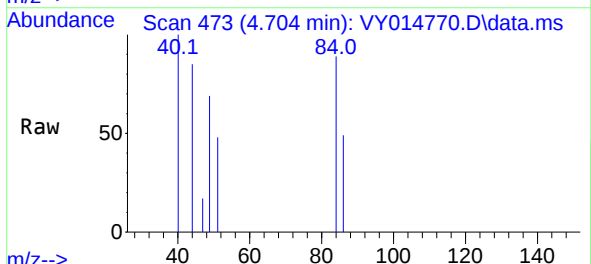
Instrument :
MSVOA_Y
ClientSampleId :
B-P9ARE

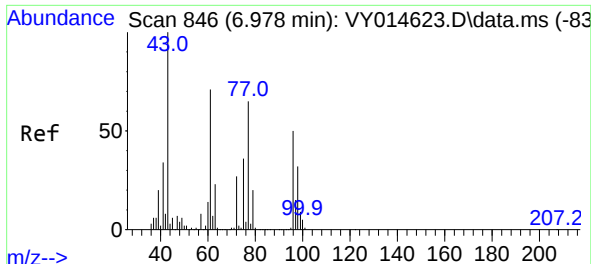
Tgt Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#20
Methylene Chloride
Concen: 6.811 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

Tgt Ion: 84 Resp: 784
Ion Ratio Lower Upper
84 100
49 77.5 106.9 160.3#
51 53.7 33.2 49.8#
86 55.7 51.0 76.6

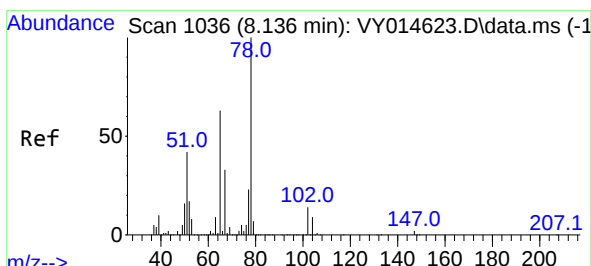
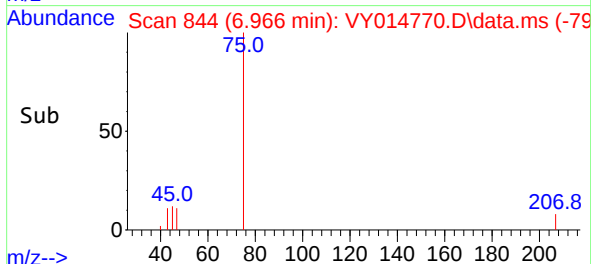
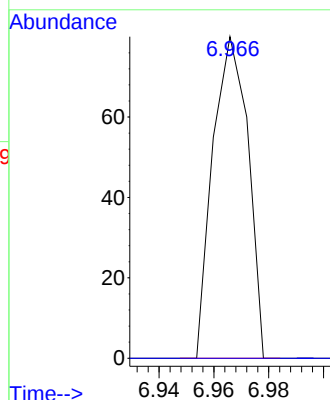
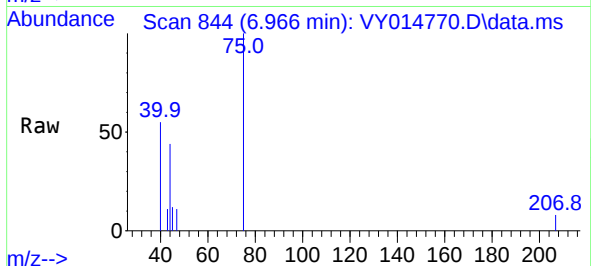




#25
2-Butanone
Concen: 2.103 ug/l
RT: 6.966 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

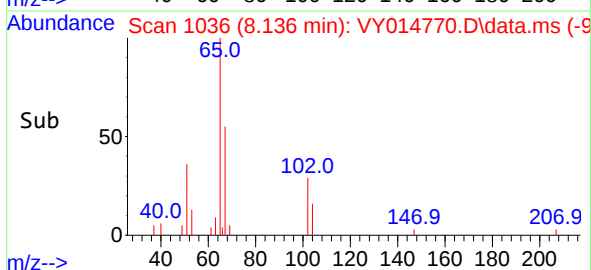
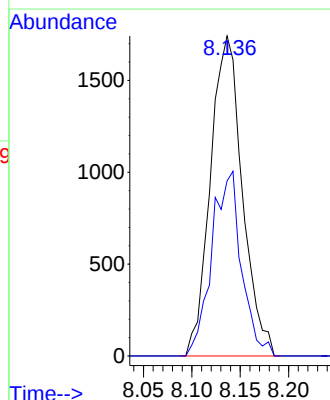
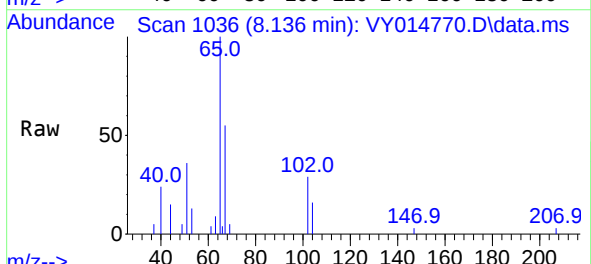
Instrument :
MSVOA_Y
ClientSampleId :
B-P9ARE

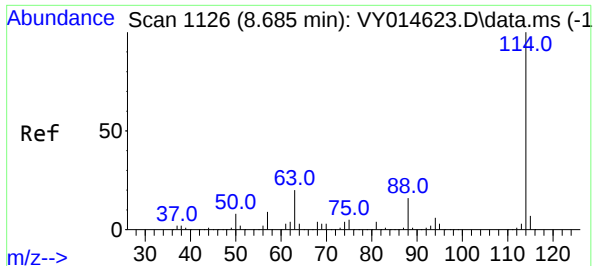
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 54.919 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

Tgt Ion: 65 Resp: 3999
Ion Ratio Lower Upper
65 100
67 53.6 0.0 101.8

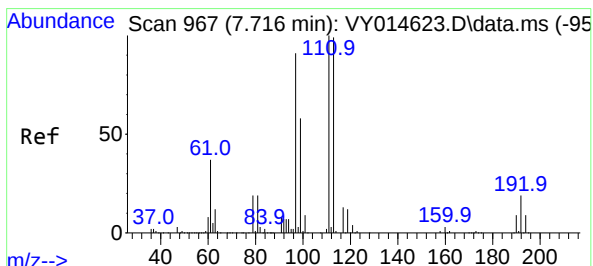
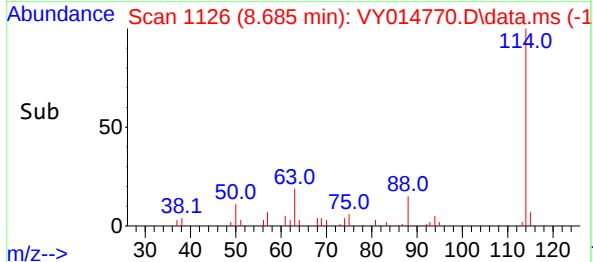
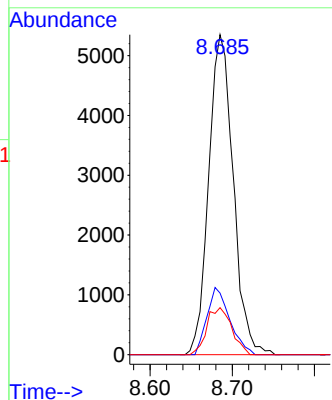
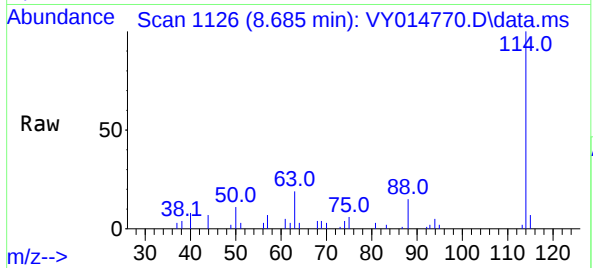




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

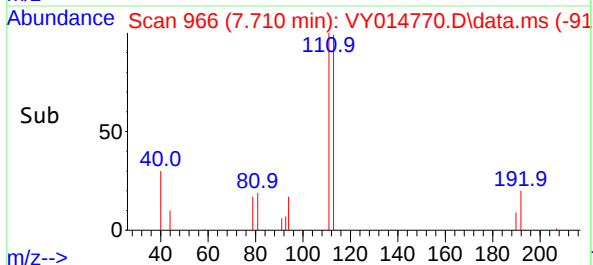
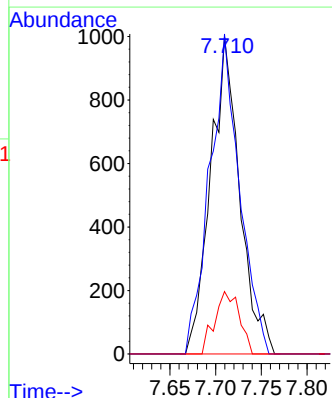
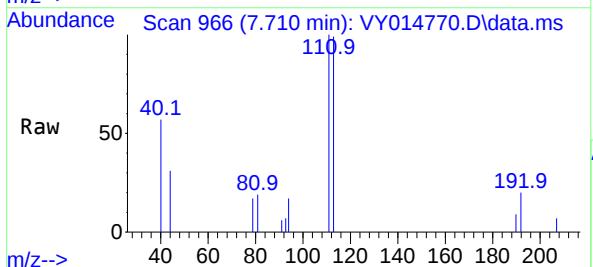
Instrument :
MSVOA_Y
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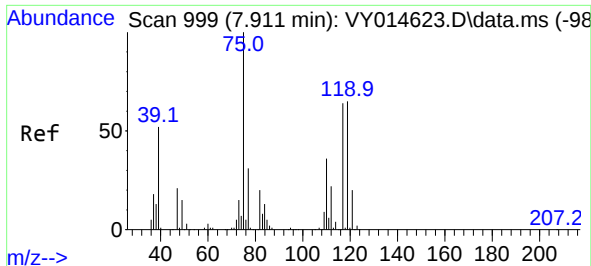
Tgt Ion:	114	Resp:	11093
Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	42.4
88	14.7	0.0	30.6



#35
Dibromofluoromethane
Concen: 31.480 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

Tgt Ion:	113	Resp:	2223
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.3	121.9
192	16.6	16.9	25.3





#36

1,1-Dichloropropene

Concen: 4.706 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY014770.D

Acq: 24 Jul 2023 14:20

Instrument :

MSVOA_Y

ClientSampleId :

B-P9ARE

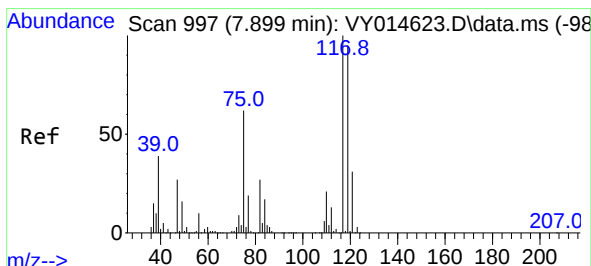
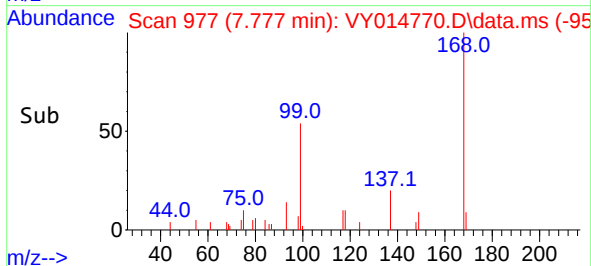
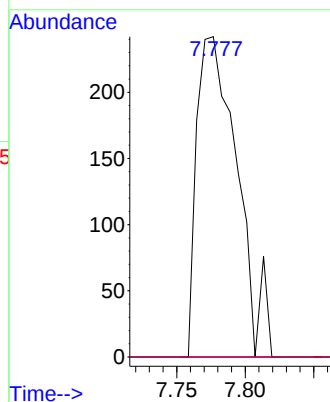
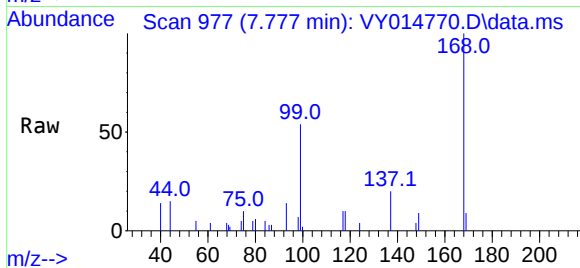
Tgt Ion: 75 Resp: 497

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.790 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY014770.D

Acq: 24 Jul 2023 14:20

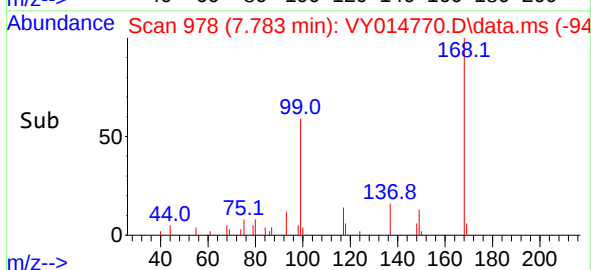
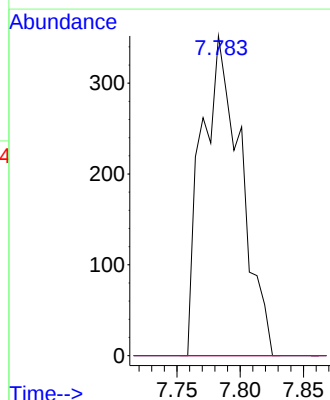
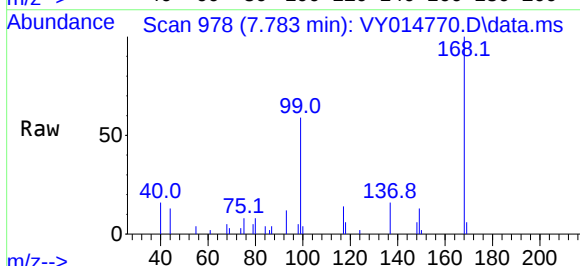
Tgt Ion: 117 Resp: 758

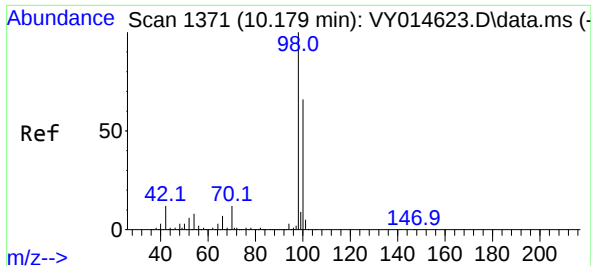
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#

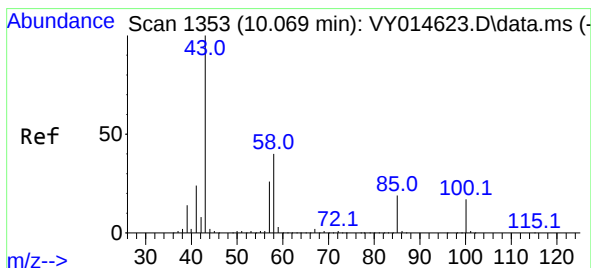
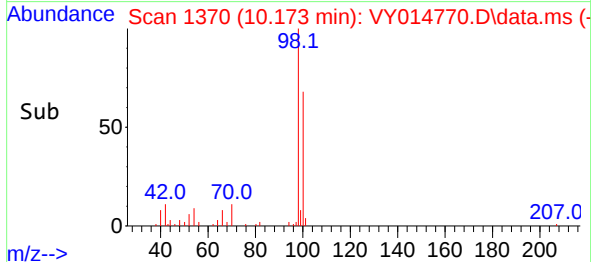
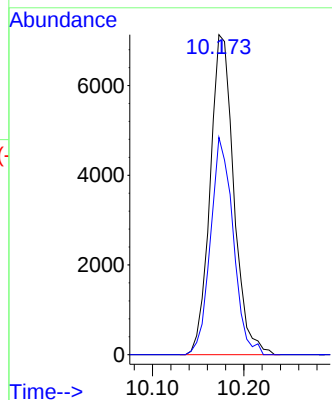
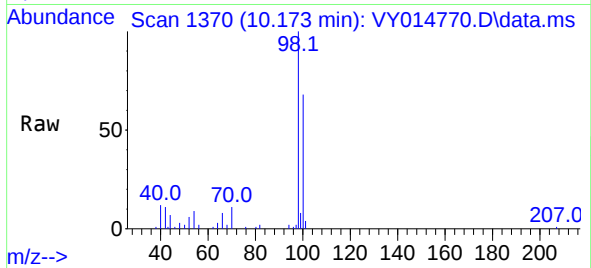




#50
Toluene-d8
Concen: 49.296 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

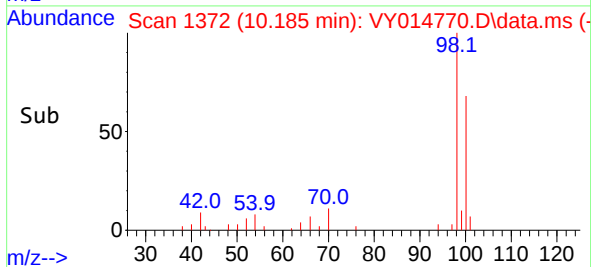
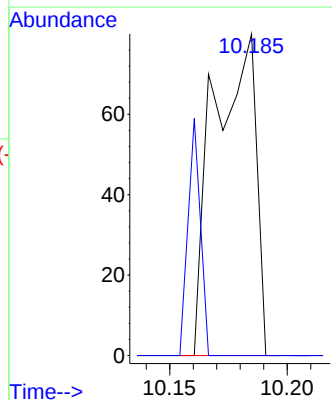
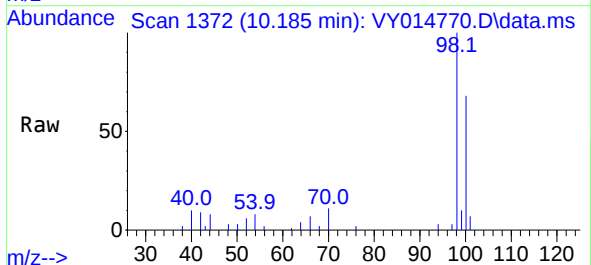
Instrument :
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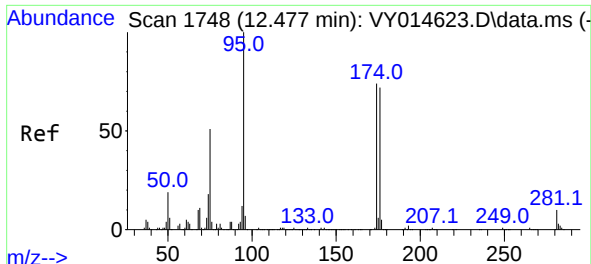
Tgt Ion: 98 Resp: 12834
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 1.361 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.116 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

Tgt Ion: 43 Resp: 99
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#

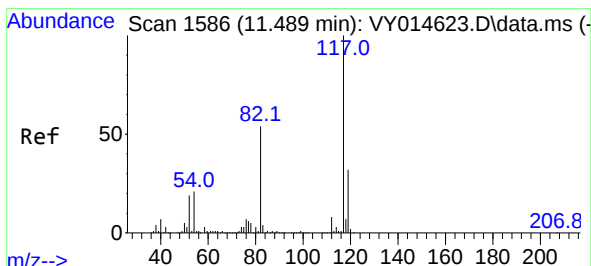
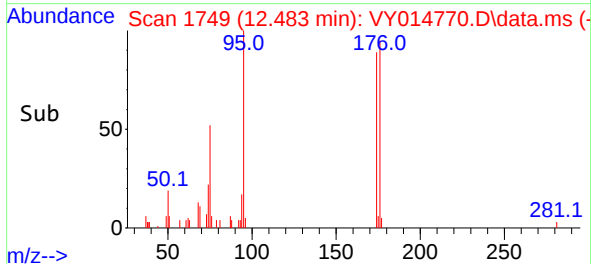
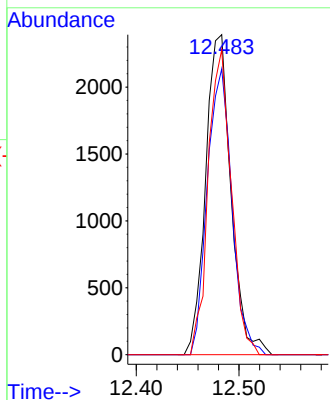
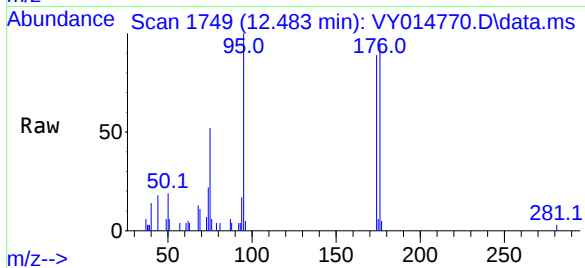




#62
4-Bromofluorobenzene
Concen: 41.142 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

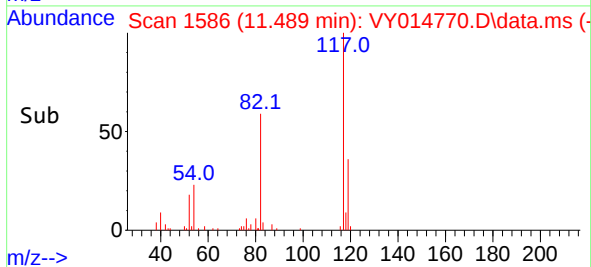
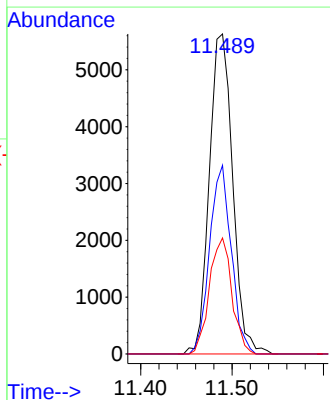
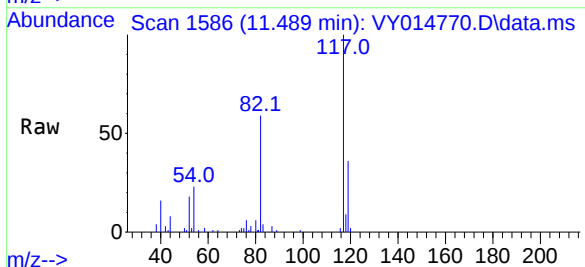
Instrument :
MSVOA_Y
ClientSampleId :
B-P9ARE

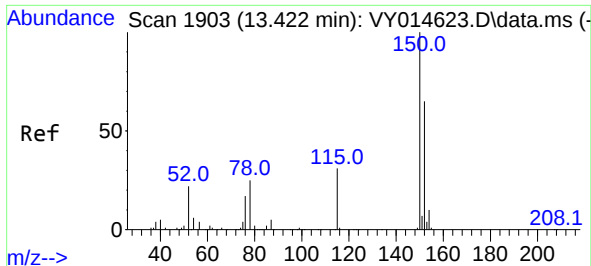
Tgt Ion:	95	Resp:	4107
Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	178.2
176	86.3	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

Tgt Ion:	117	Resp:	9990
Ion	Ratio	Lower	Upper
117	100		
82	59.0	43.4	65.0
119	36.3	26.3	39.5

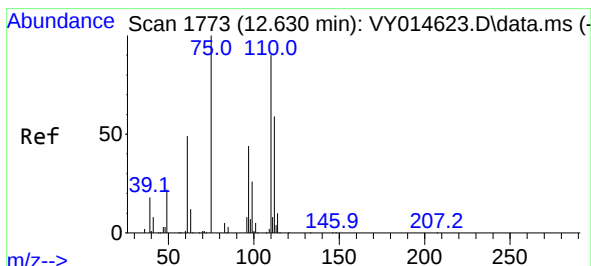
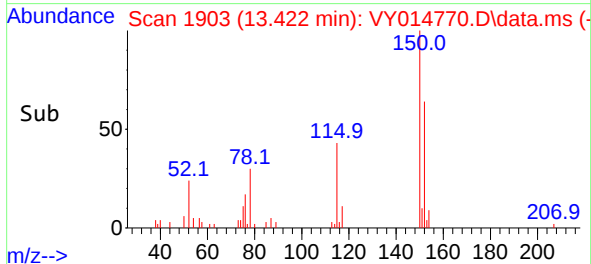
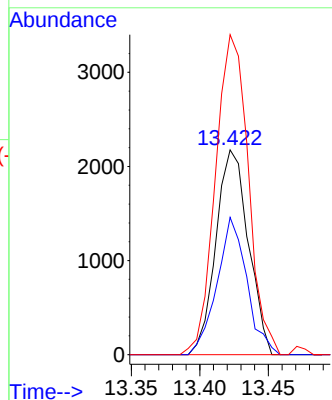
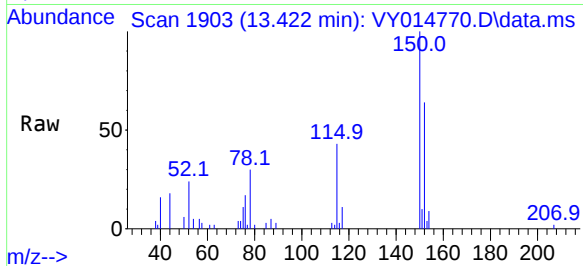




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

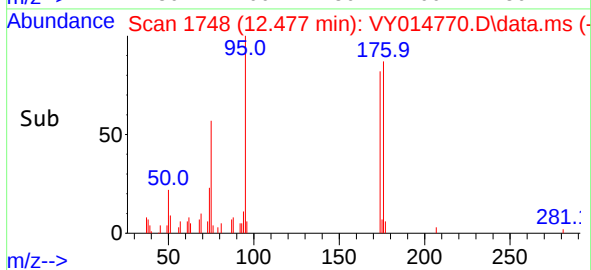
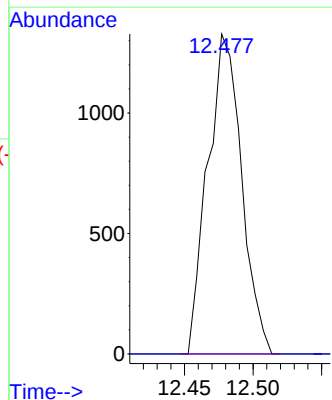
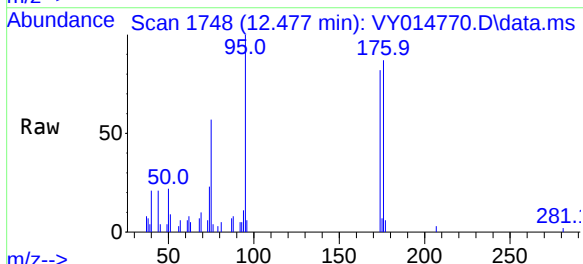
Instrument :
MSVOA_Y
ClientSampleId :
B-P9ARE

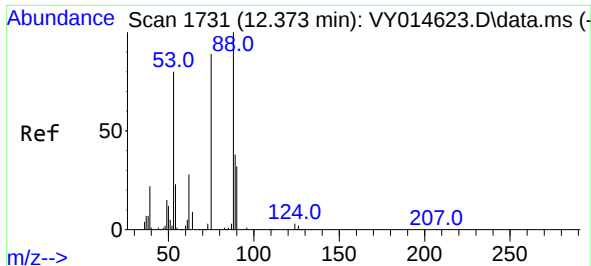
Tgt Ion:152 Resp: 3581
Ion Ratio Lower Upper
152 100
115 61.6 28.8 86.5
150 158.5 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 50.501 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

Tgt Ion: 75 Resp: 2284
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 97.779 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014770.D
Acq: 24 Jul 2023 14:20

Instrument :
MSVOA_Y
ClientSampleId :
B-P9ARE

Tgt Ion: 75 Resp: 2284
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

