

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072823\
 Data File : VY014908.D
 Acq On : 28 Jul 2023 14:55
 Operator : SY/MD
 Sample : 03815-04
 Misc : 8.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BUILDING-B-21-(0-5)

Quant Time: Jul 29 03:06:25 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)

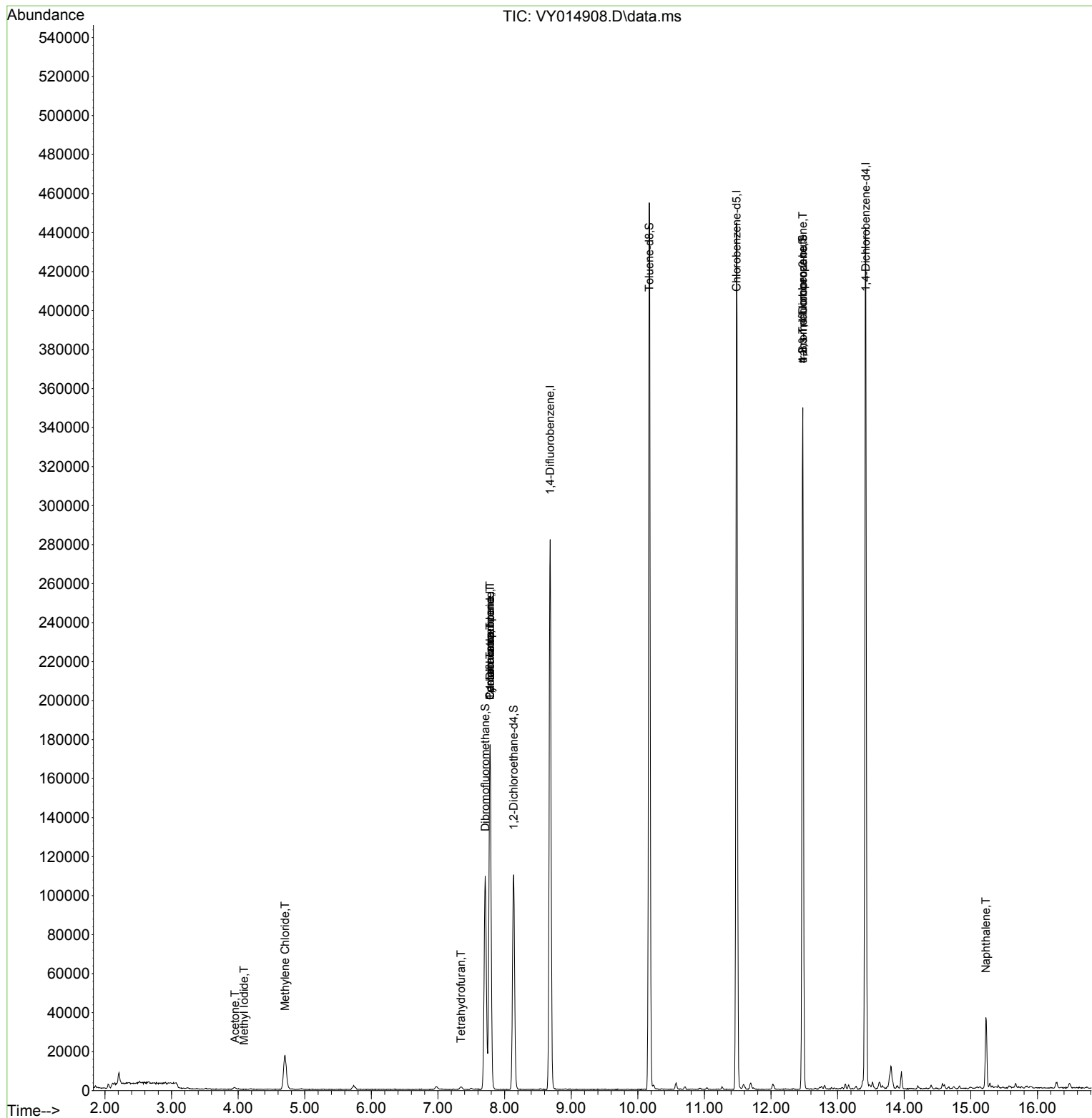
Internal Standards						
1) Pentafluorobenzene	7.783	168	136462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	245397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	236133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	112596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	87910	56.532	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.060%
35) Dibromofluoromethane	7.709	113	77330	49.503	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.000%
50) Toluene-d8	10.172	98	290851	50.501	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.000%
62) 4-Bromofluorobenzene	12.477	95	106823	48.373	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.740%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	81	2.420	ug/l	# 38
11) Tert butyl alcohol	4.948	59	478	Below Cal	#	89
16) Acetone	3.954	43	1931	3.919	ug/l	95
20) Methylene Chloride	4.704	84	13488	4.591	ug/l	87
29) Tetrahydrofuran	7.344	42	1056	2.379	ug/l	96
31) Cyclohexane	7.783	56	3154	1.222	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	10520	4.503	ug/l	# 49
38) Carbon Tetrachloride	7.783	117	13643	5.525	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	57185	40.213	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	57185	77.859	ug/l	# 10
95) Naphthalene	15.226	128	30286	5.707	ug/l	98

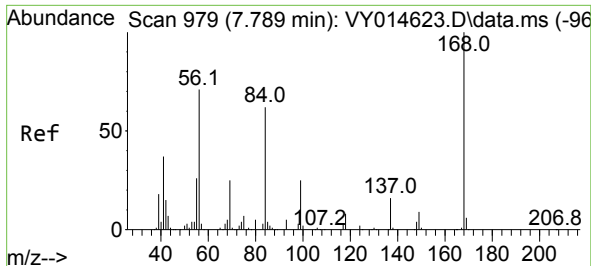
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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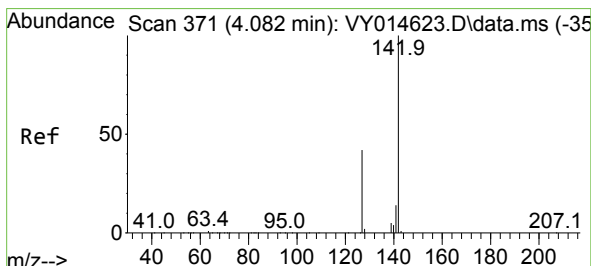
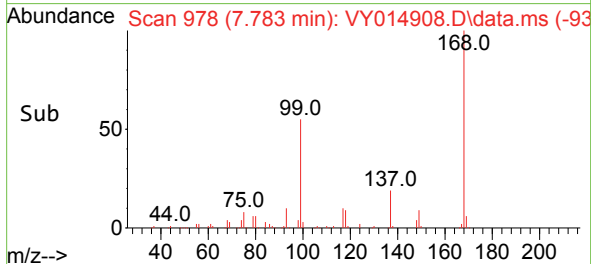
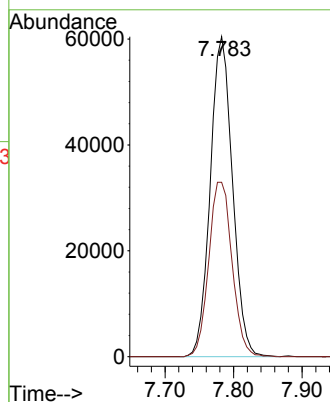
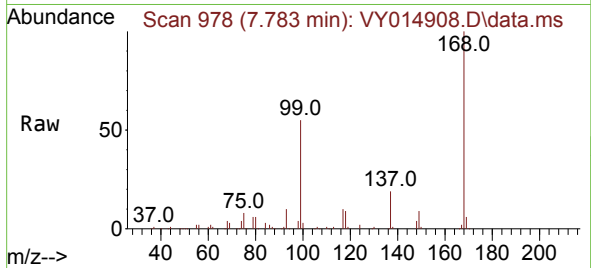




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014908.D
Acq: 28 Jul 2023 14:55

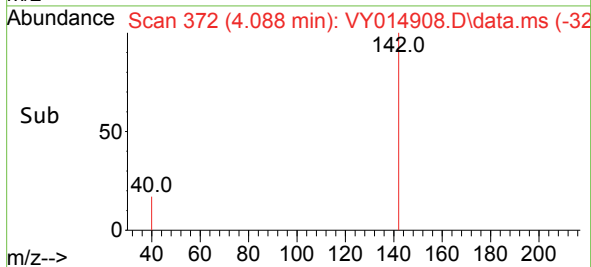
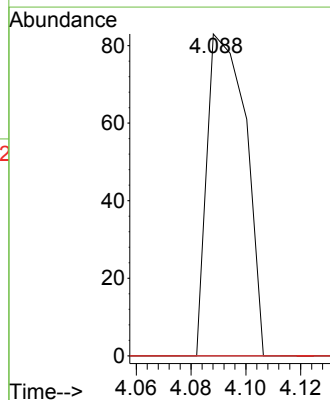
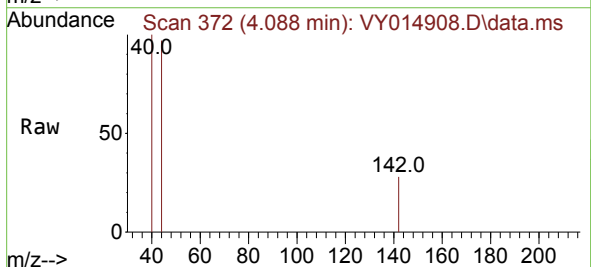
Instrument :
MSVOA_Y
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BUILDING-B-21-(0-5)

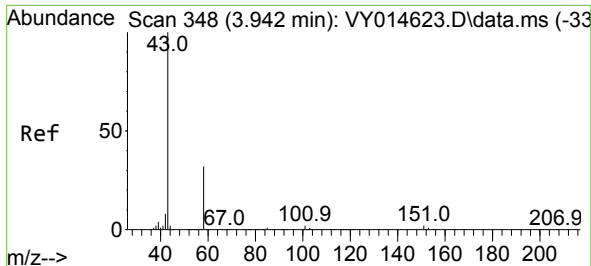
Tgt Ion:168 Resp: 136462
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#10
Methyl Iodide
Concen: 2.420 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014908.D
Acq: 28 Jul 2023 14:55

Tgt Ion:142 Resp: 81
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

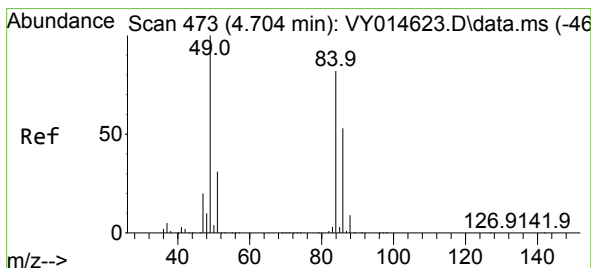
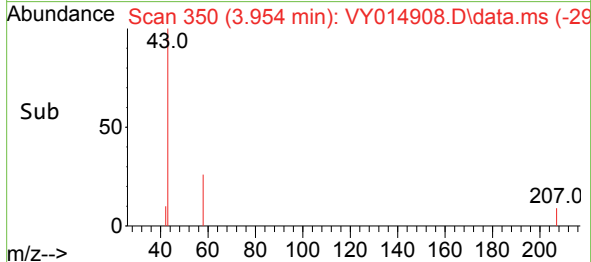
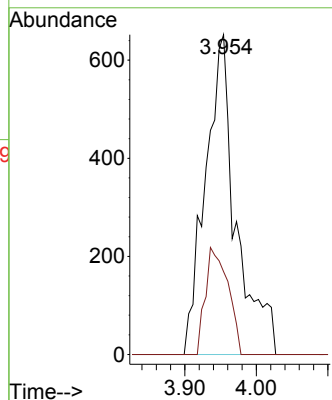
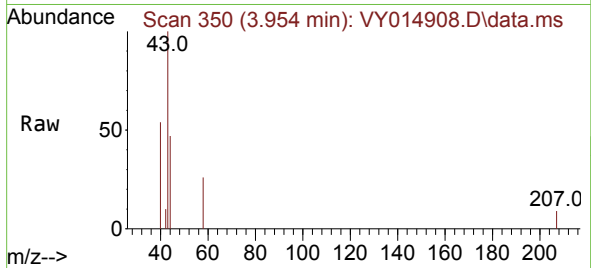




#16
Acetone
Concen: 3.919 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014908.D
Acq: 28 Jul 2023 14:55

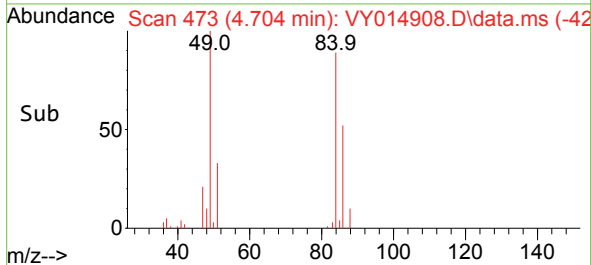
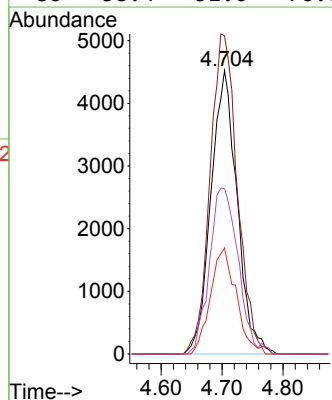
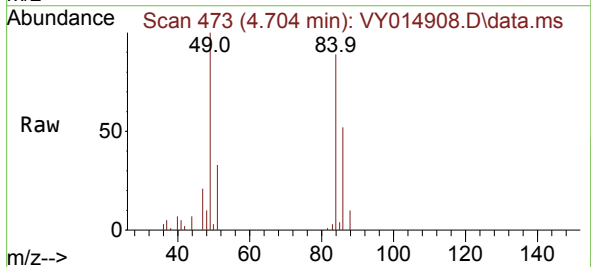
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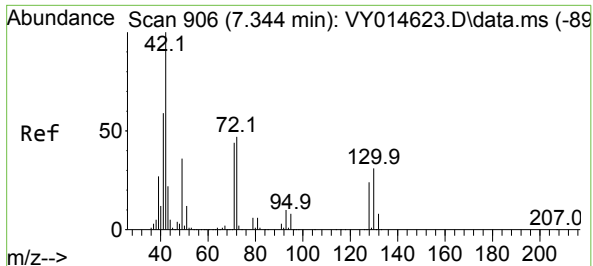
Tgt Ion: 43 Resp: 1931
Ion Ratio Lower Upper
43 100
58 25.9 22.7 34.1



#20
Methylene Chloride
Concen: 4.591 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.000 min
Lab File: VY014908.D
Acq: 28 Jul 2023 14:55

Tgt Ion: 84 Resp: 13488
Ion Ratio Lower Upper
84 100
49 112.3 106.9 160.3
51 37.4 33.2 49.8
86 58.4 51.0 76.6





#29

Tetrahydrofuran

Concen: 2.379 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY014908.D

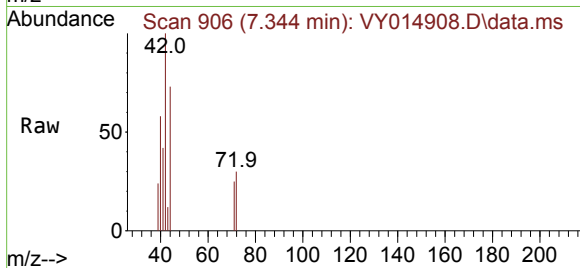
Acq: 28 Jul 2023 14:55

Instrument :

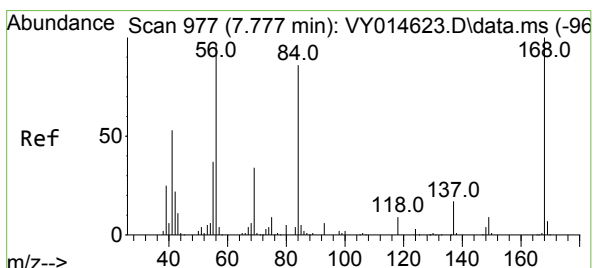
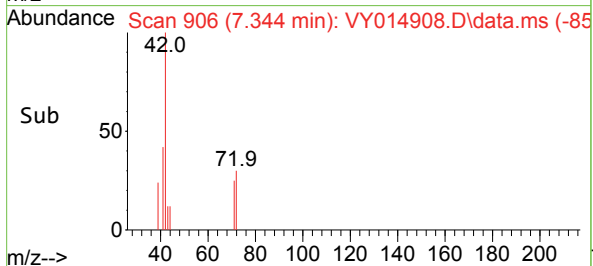
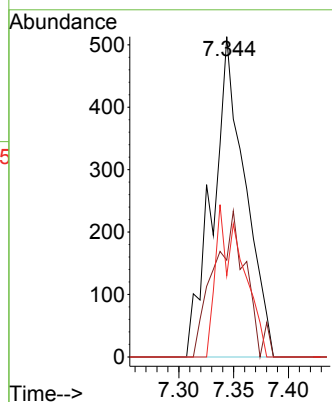
MSVOA_Y

ClientSampleId :

BUILDING-B-21-(0-5)



Tgt Ion:	42	Resp:	1056
Ion	Ratio	Lower	Upper
42	100		
72	45.1	32.8	49.2
71	38.9	31.0	46.4



#31

Cyclohexane

Concen: 1.222 ug/l

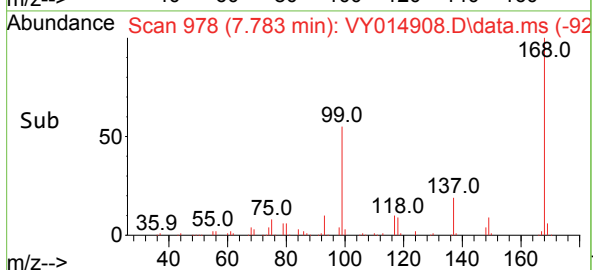
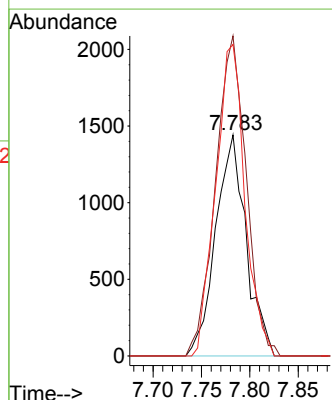
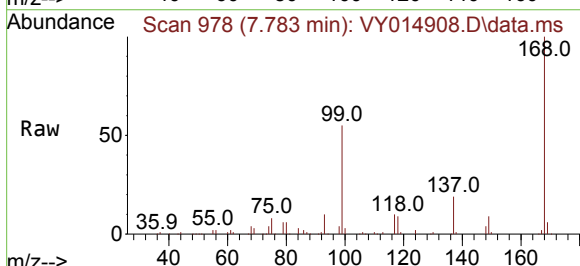
RT: 7.783 min Scan# 978

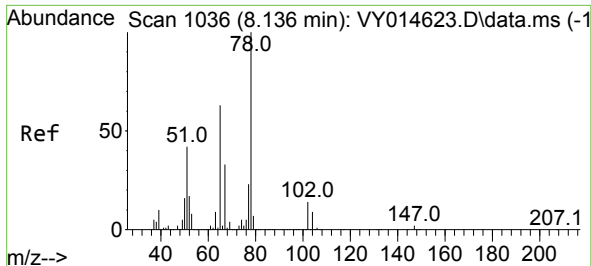
Delta R.T. 0.006 min

Lab File: VY014908.D

Acq: 28 Jul 2023 14:55

Tgt Ion:	56	Resp:	3154
Ion	Ratio	Lower	Upper
56	100		
69	144.8	27.8	41.6#
84	141.0	66.4	99.6#

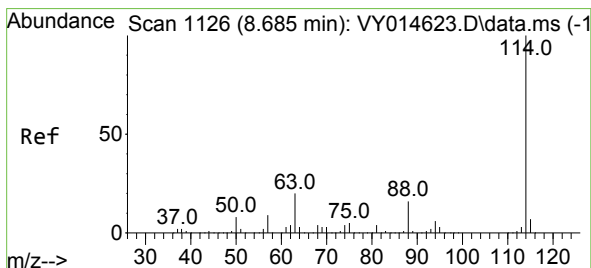
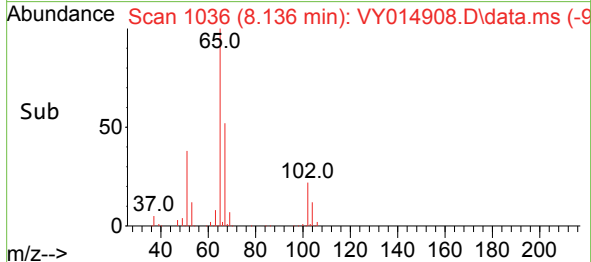
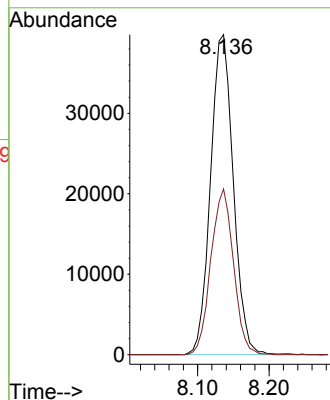
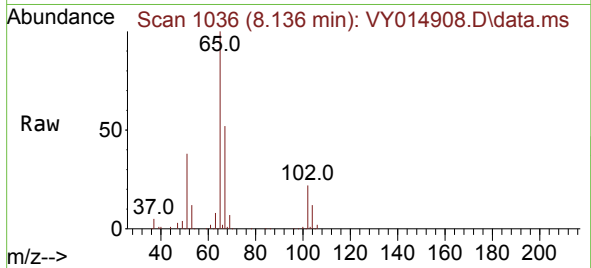




#33
 1,2-Dichloroethane-d4
 Concen: 56.532 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014908.D
 Acq: 28 Jul 2023 14:55

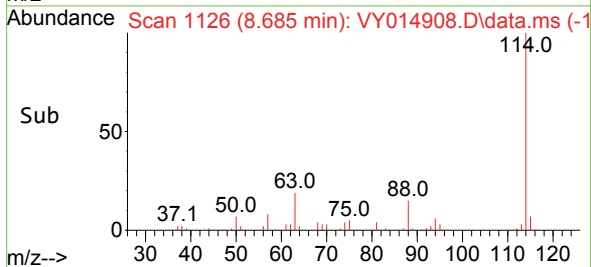
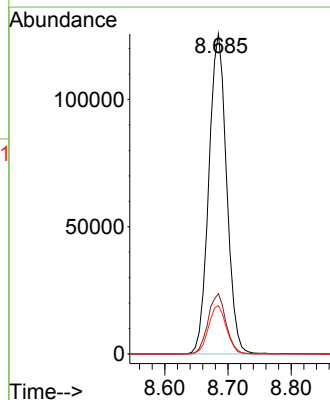
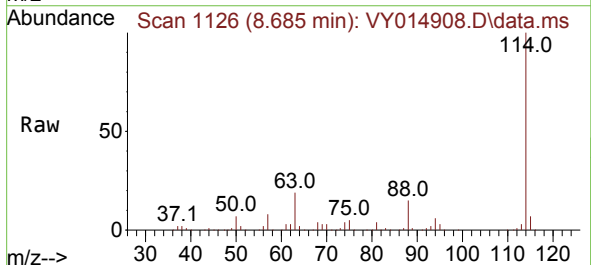
Instrument :
 MSVOA_Y
 ClientSampleId :
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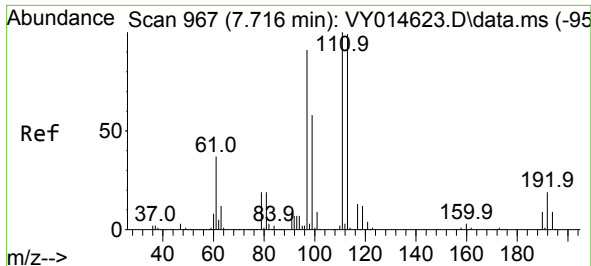
Tgt Ion: 65 Resp: 87910
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY014908.D
 Acq: 28 Jul 2023 14:55

Tgt Ion: 114 Resp: 245397
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 42.4
 88 15.1 0.0 30.6

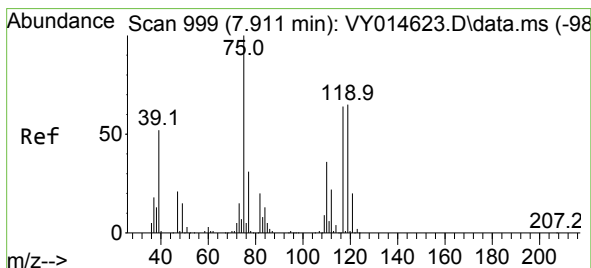
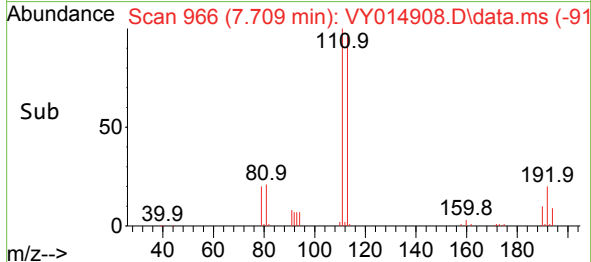
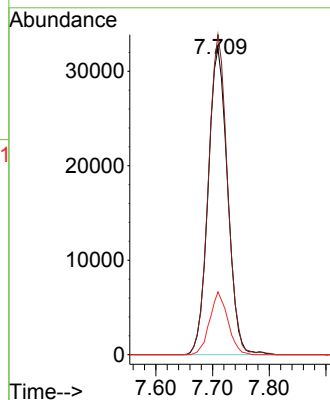
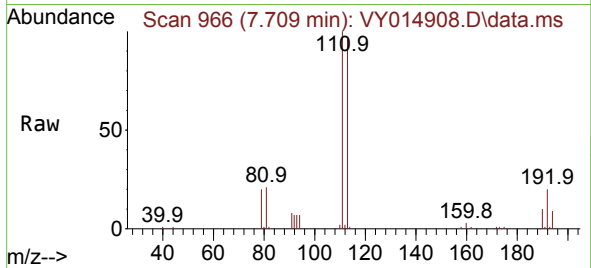




#35
Dibromofluoromethane
Concen: 49.503 ug/l
RT: 7.709 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY014908.D
Acq: 28 Jul 2023 14:55

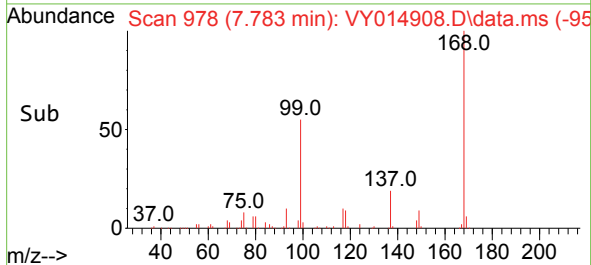
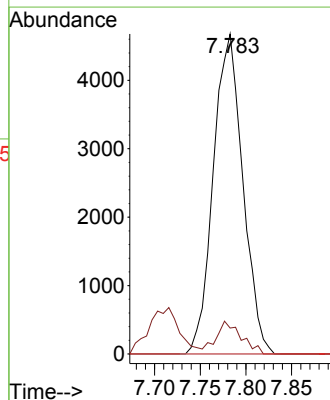
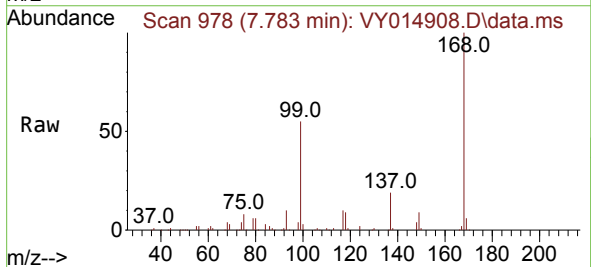
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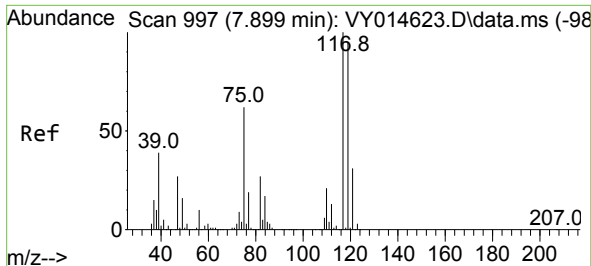
Tgt Ion:113 Resp: 77330
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 19.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.503 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014908.D
Acq: 28 Jul 2023 14:55

Tgt Ion: 75 Resp: 10520
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 24.4 36.6#

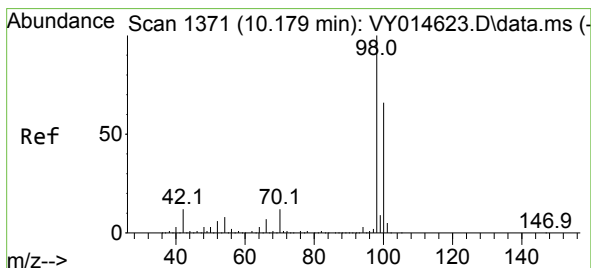
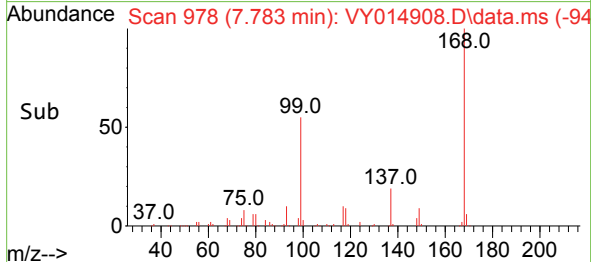
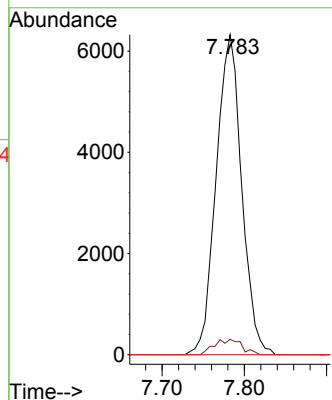
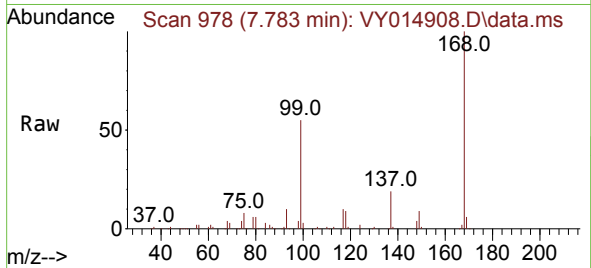




#38
Carbon Tetrachloride
Concen: 5.525 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014908.D
Acq: 28 Jul 2023 14:55

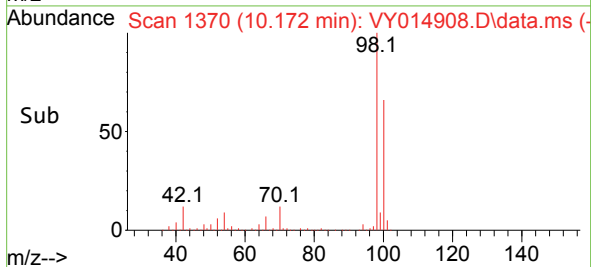
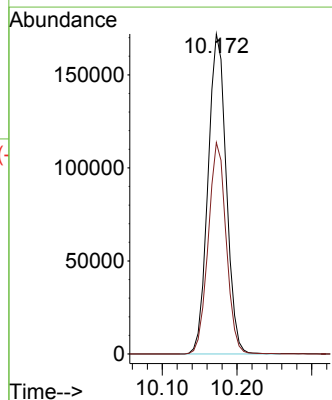
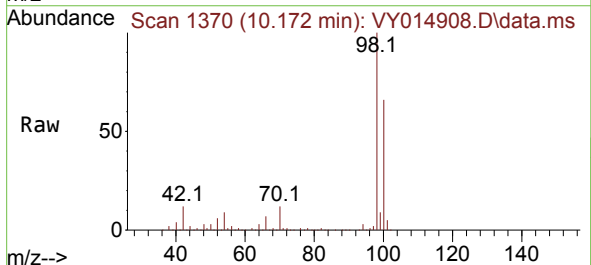
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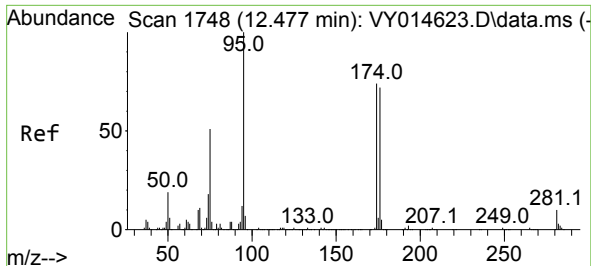
Tgt Ion:117 Resp: 13643
Ion Ratio Lower Upper
117 100
119 4.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.501 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.007 min
Lab File: VY014908.D
Acq: 28 Jul 2023 14:55

Tgt Ion: 98 Resp: 290851
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

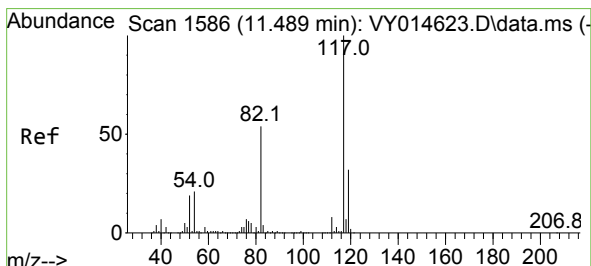
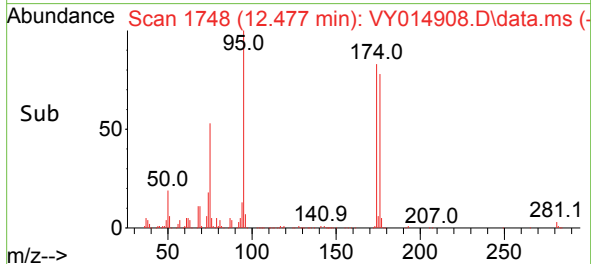
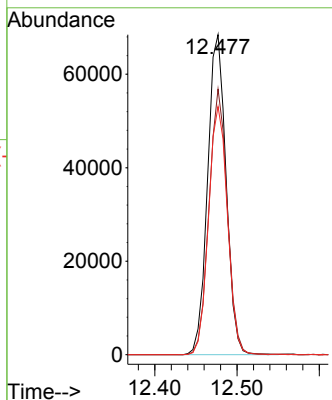
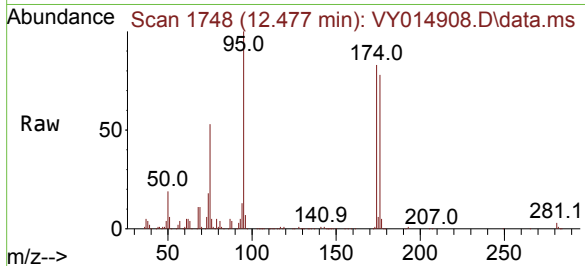




#62
4-Bromofluorobenzene
Concen: 48.373 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014908.D
Acq: 28 Jul 2023 14:55

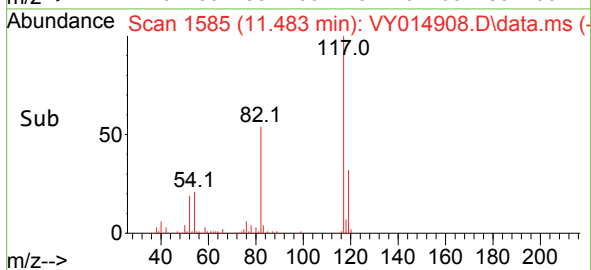
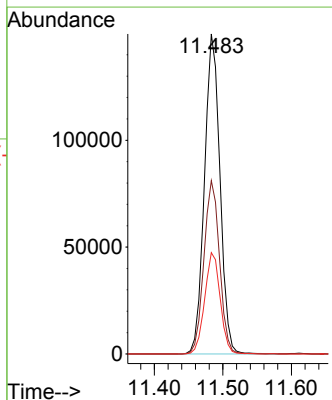
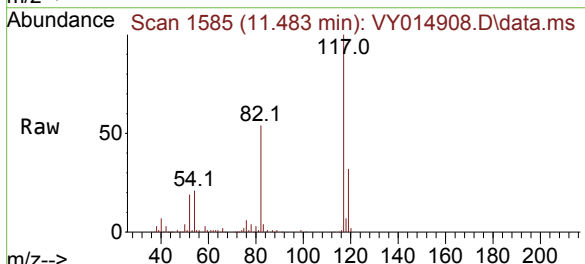
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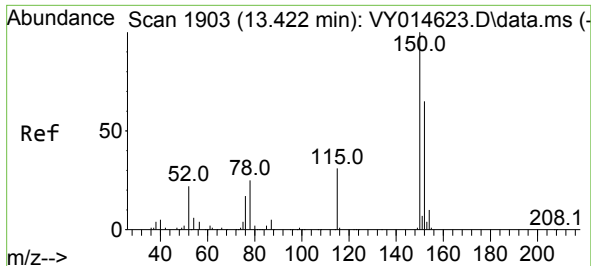
Tgt Ion: 95 Resp: 106823
Ion Ratio Lower Upper
95 100
174 82.4 0.0 178.2
176 79.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY014908.D
Acq: 28 Jul 2023 14:55

Tgt Ion: 117 Resp: 236133
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 31.7 26.3 39.5

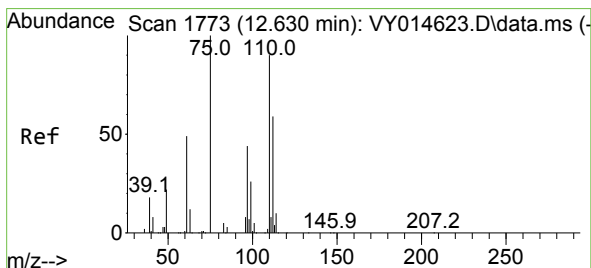
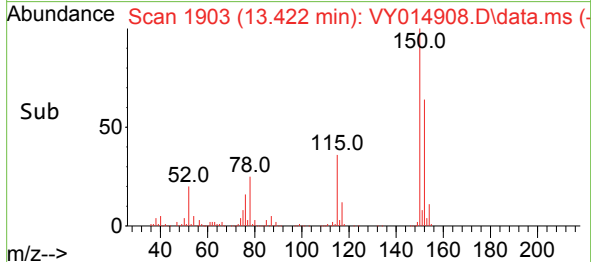
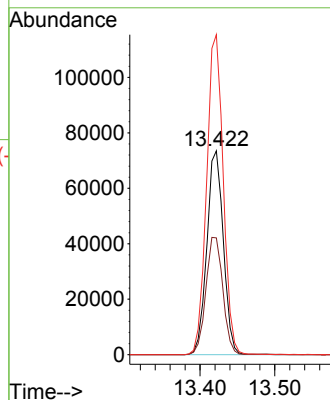
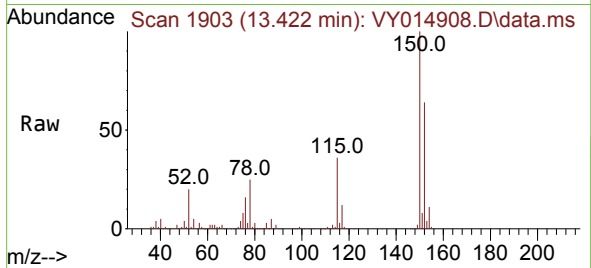




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY014908.D
 Acq: 28 Jul 2023 14:55

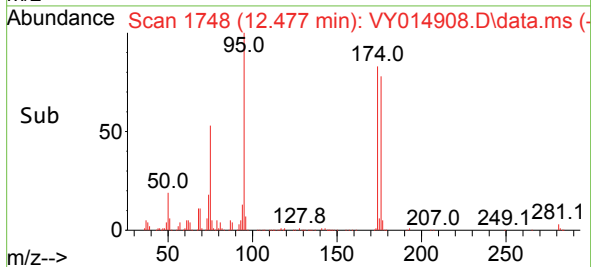
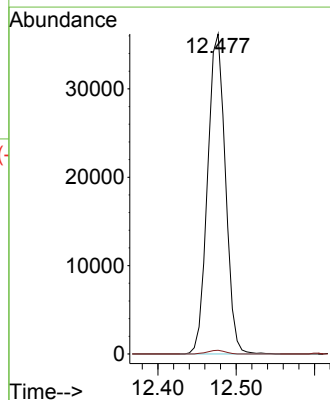
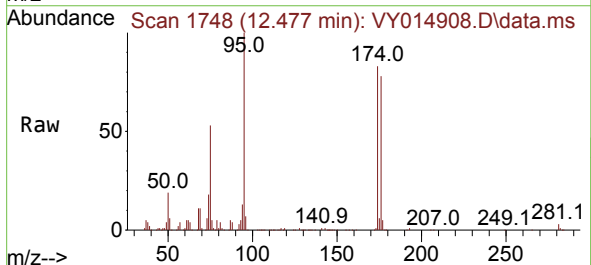
Instrument :
 MSVOA_Y
 ClientSampleId :
 BUILDING-B-21-(0-5)

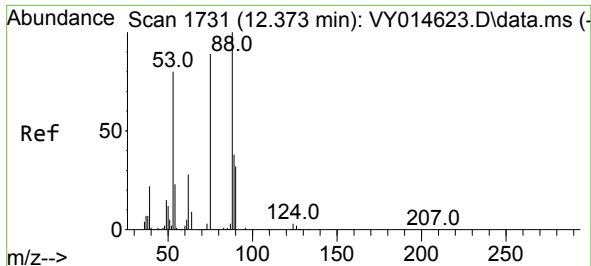
Tgt Ion:152 Resp: 112596
 Ion Ratio Lower Upper
 152 100
 115 59.2 28.8 86.5
 150 157.8 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 40.213 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY014908.D
 Acq: 28 Jul 2023 14:55

Tgt Ion: 75 Resp: 57185
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

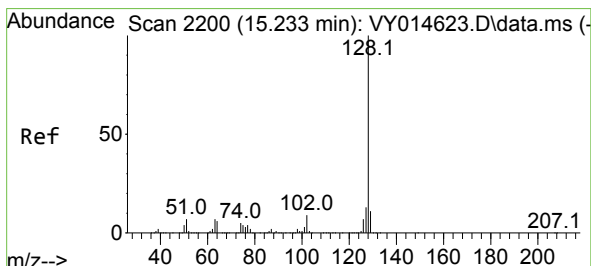
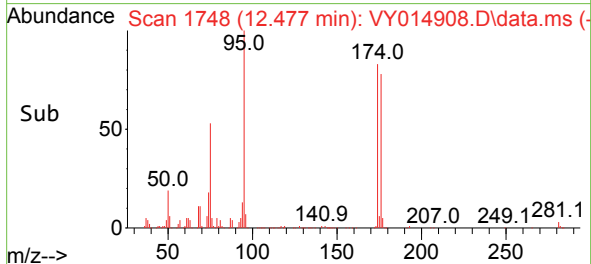
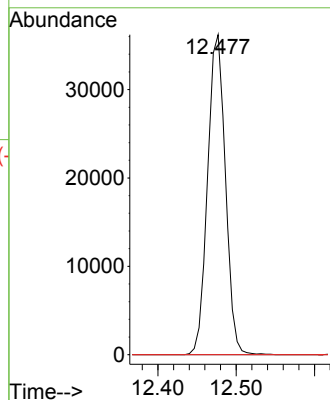
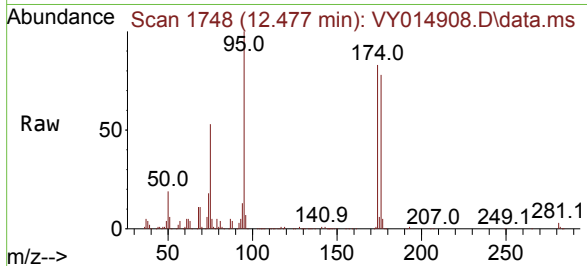




#81
trans-1,4-Dichloro-2-butene
Concen: 77.859 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY014908.D
Acq: 28 Jul 2023 14:55

Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-21-(0-5)

Tgt Ion: 75 Resp: 57185
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 5.707 ug/l
RT: 15.226 min Scan# 2199
Delta R.T. -0.007 min
Lab File: VY014908.D
Acq: 28 Jul 2023 14:55

Tgt Ion: 128 Resp: 30286
Ion Ratio Lower Upper
128 100
127 12.4 10.8 16.2
129 10.7 8.6 13.0

