

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080223\
 Data File : VY014932.D
 Acq On : 02 Aug 2023 15:42
 Operator : SY/MD
 Sample : 03862-01
 Misc : 7.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BUILDING-B-11-(10-15)

Quant Time: Aug 03 02:43:59 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)

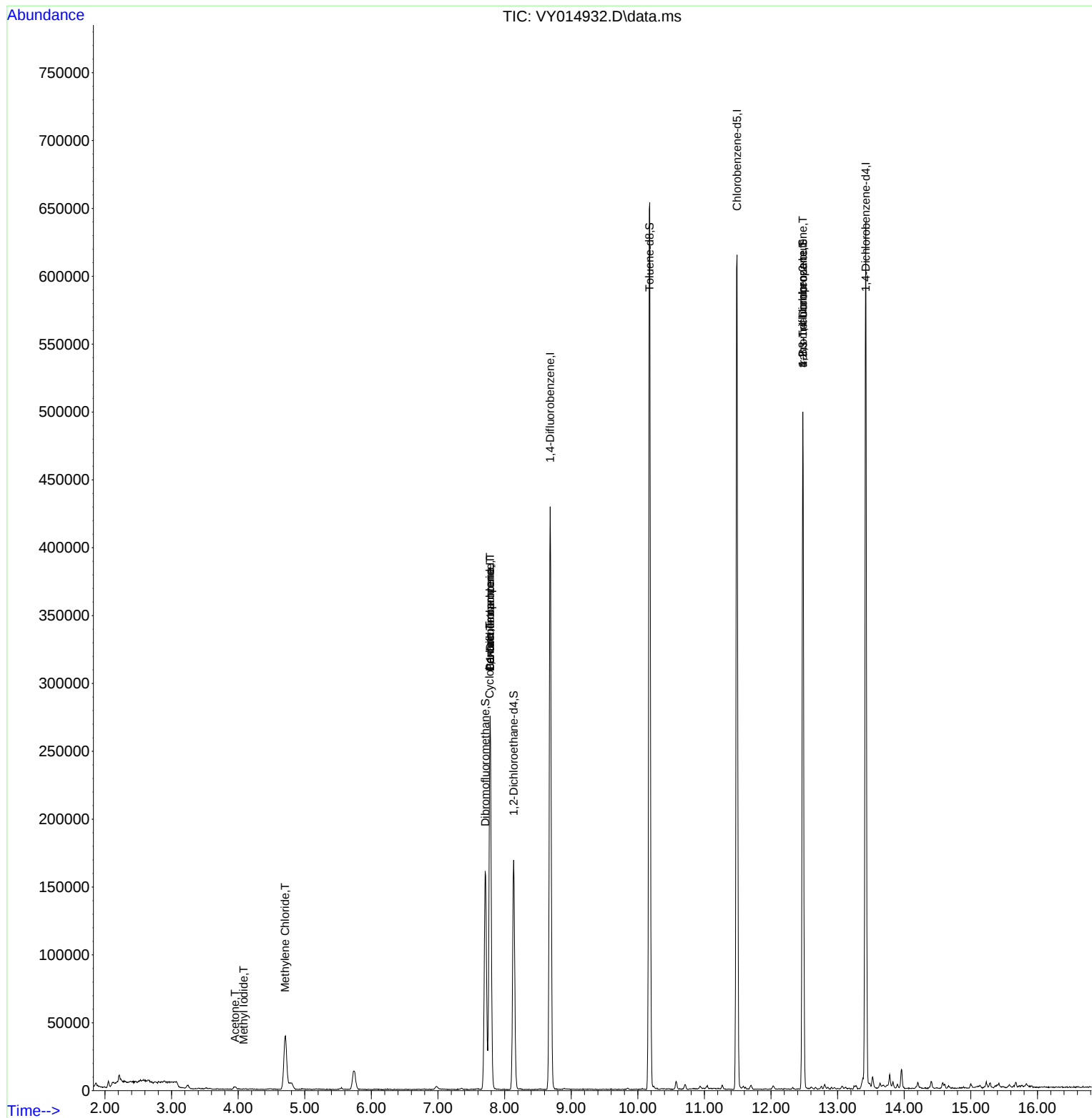
Internal Standards						
1) Pentafluorobenzene	7.783	168	212094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	369461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	340554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	158282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	130570	54.024	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.040%	
35) Dibromofluoromethane	7.710	113	114073	48.502	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.000%	
50) Toluene-d8	10.179	98	434217	50.077	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.160%	
62) 4-Bromofluorobenzene	12.477	95	151623	45.604	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.200%	
Target Compounds						
10) Methyl Iodide	4.082	142	624	2.620	ug/l #	74
11) Tert butyl alcohol	4.948	59	660	Below Cal	#	89
16) Acetone	3.954	43	3778	4.933	ug/l	96
20) Methylene Chloride	4.704	84	30175	8.634	ug/l	92
31) Cyclohexane	7.777	56	4979	1.241	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16270	4.626	ug/l #	51
38) Carbon Tetrachloride	7.783	117	21456	5.771	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	80967	40.503	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	80967	78.420	ug/l #	10

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

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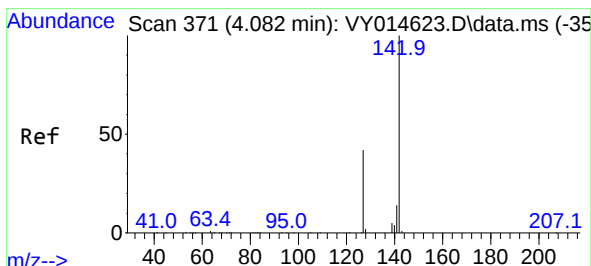
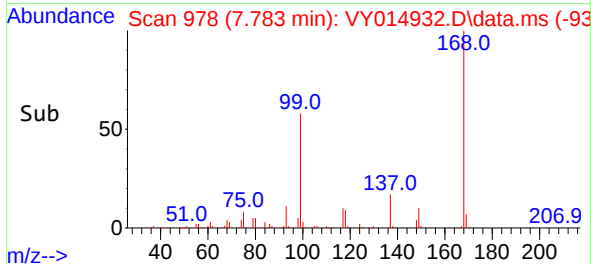
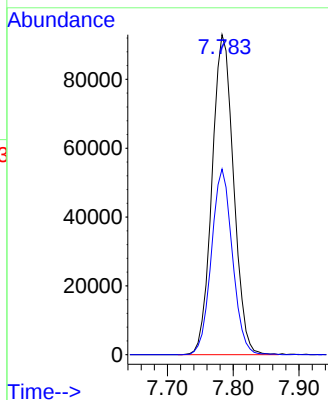
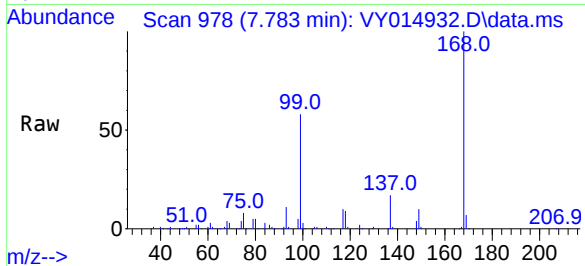




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014932.D
Acq: 02 Aug 2023 15:42

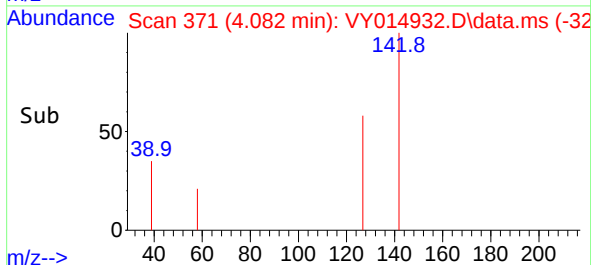
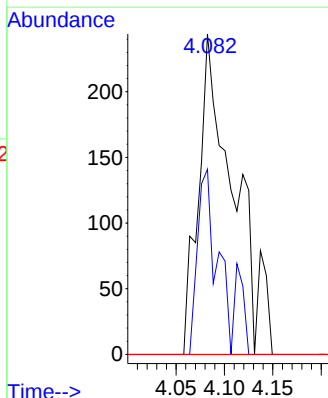
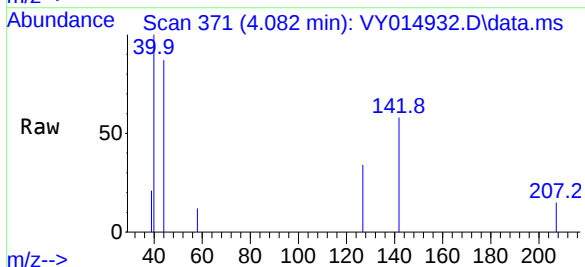
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-11-(10-15)

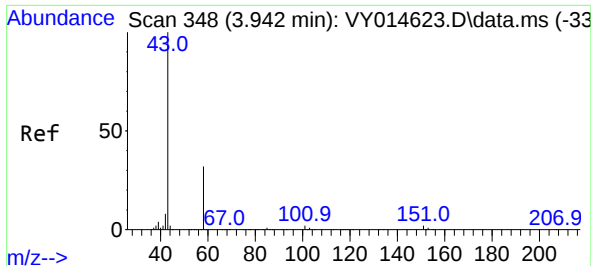
Tgt Ion:168 Resp: 212094
Ion Ratio Lower Upper
168 100
99 58.0 43.4 65.0



#10
Methyl Iodide
Concen: 2.620 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014932.D
Acq: 02 Aug 2023 15:42

Tgt Ion:142 Resp: 624
Ion Ratio Lower Upper
142 100
127 31.6 37.6 56.4#
141 0.0 11.8 17.8#

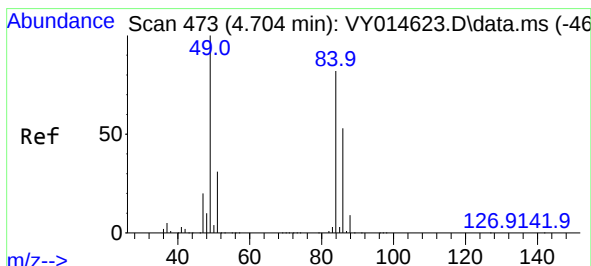
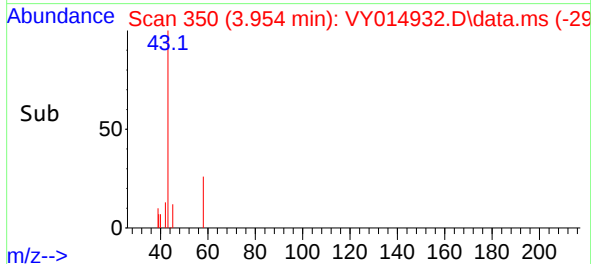
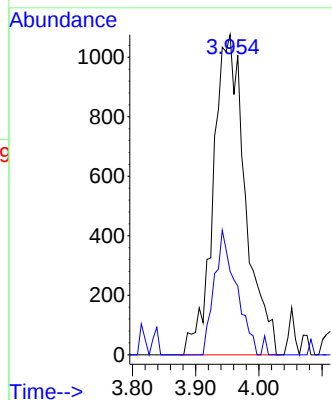
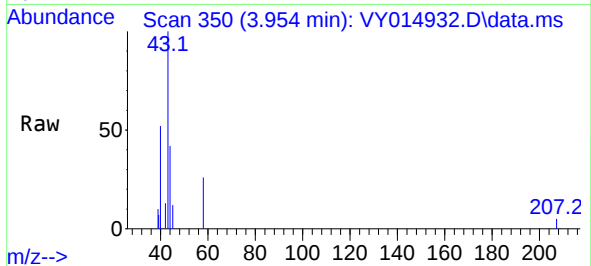




#16
Acetone
Concen: 4.933 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014932.D
Acq: 02 Aug 2023 15:42

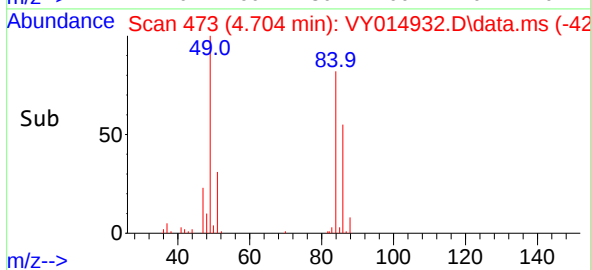
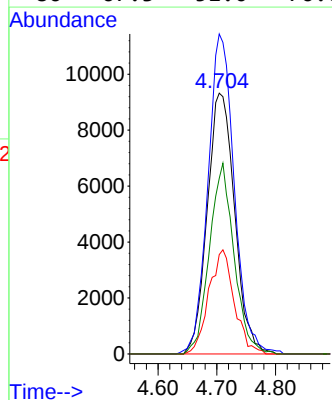
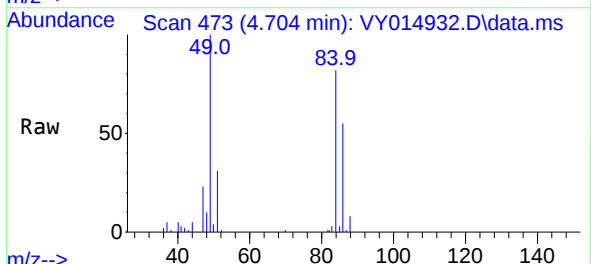
Instrument :
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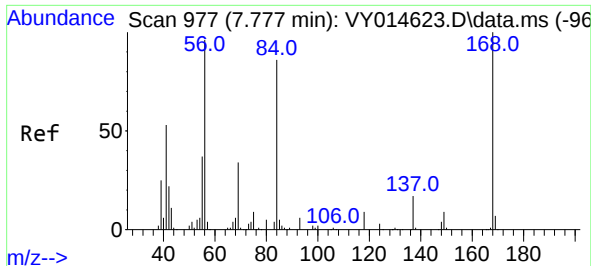
Tgt Ion: 43 Resp: 3778
Ion Ratio Lower Upper
43 100
58 26.0 22.7 34.1



#20
Methylene Chloride
Concen: 8.634 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY014932.D
Acq: 02 Aug 2023 15:42

Tgt Ion: 84 Resp: 30175
Ion Ratio Lower Upper
84 100
49 122.1 106.9 160.3
51 38.1 33.2 49.8
86 67.3 51.0 76.6

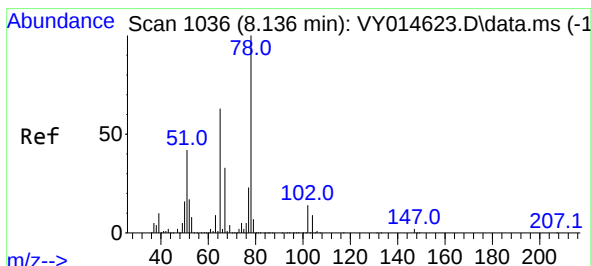
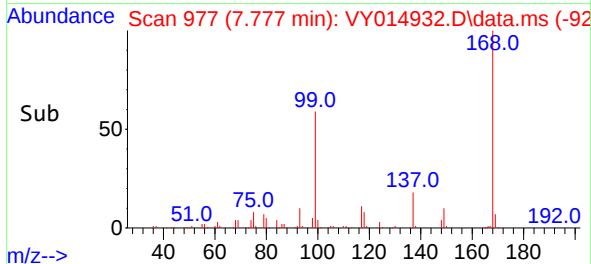
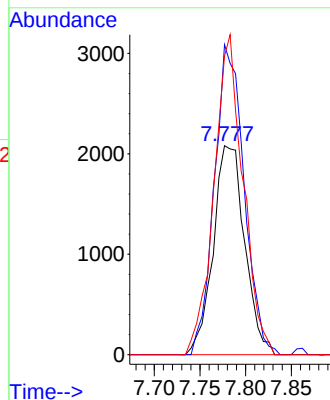
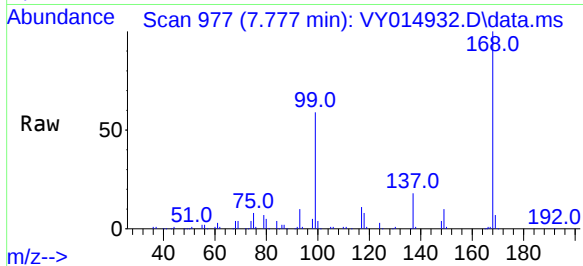




#31
Cyclohexane
Concen: 1.241 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014932.D
Acq: 02 Aug 2023 15:42

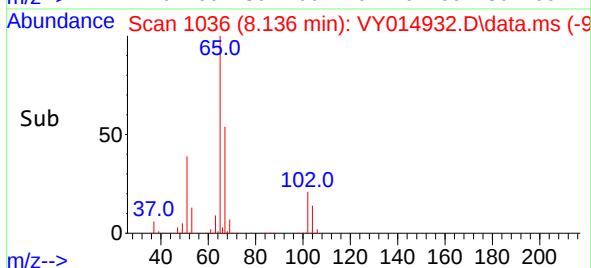
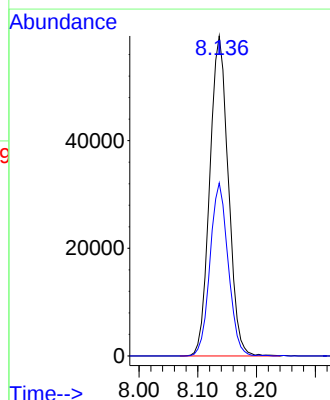
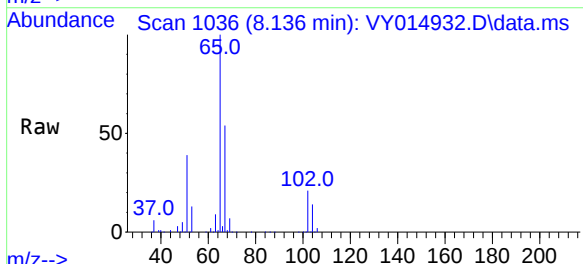
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-11-(10-15)

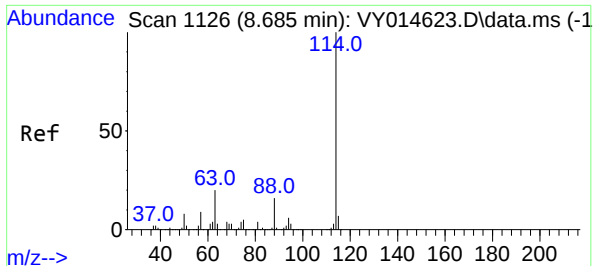
Tgt Ion: 56 Resp: 4979
Ion Ratio Lower Upper
56 100
69 148.4 27.8 41.6#
84 142.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.024 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY014932.D
Acq: 02 Aug 2023 15:42

Tgt Ion: 65 Resp: 130570
Ion Ratio Lower Upper
65 100
67 52.8 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: VY014932.D

Acq: 02 Aug 2023 15:42

Instrument :

MSVOA_Y

ClientSampleId :

BUILDING-B-11-(10-15)

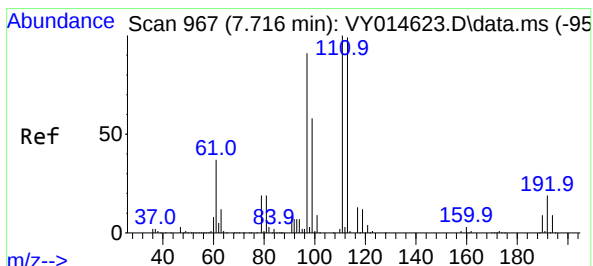
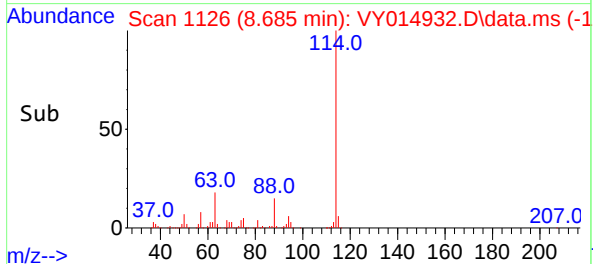
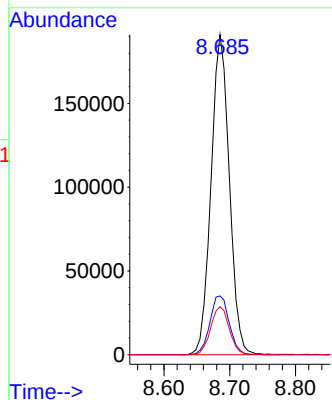
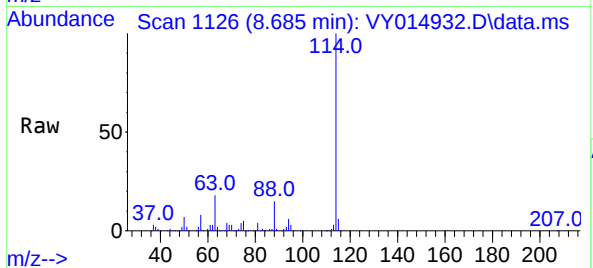
Tgt Ion:114 Resp: 369461

Ion Ratio Lower Upper

114 100

63 18.3 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.502 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014932.D

Acq: 02 Aug 2023 15:42

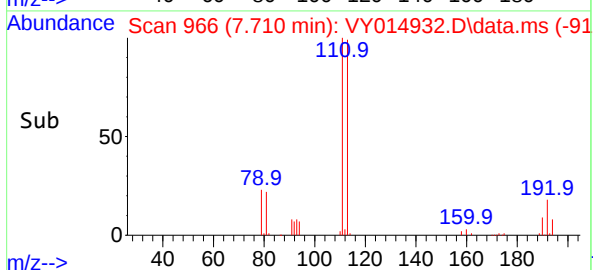
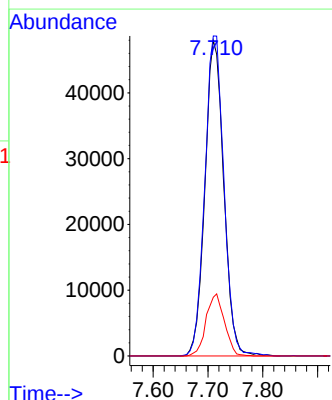
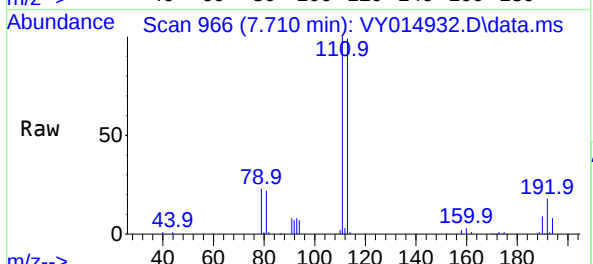
Tgt Ion:113 Resp: 114073

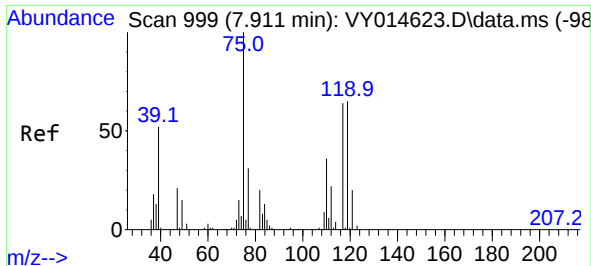
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 19.2 16.9 25.3

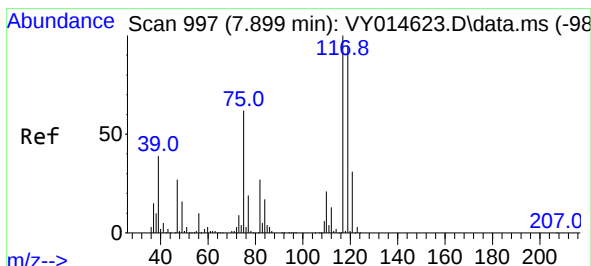
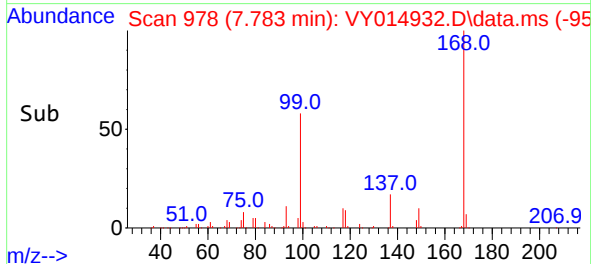
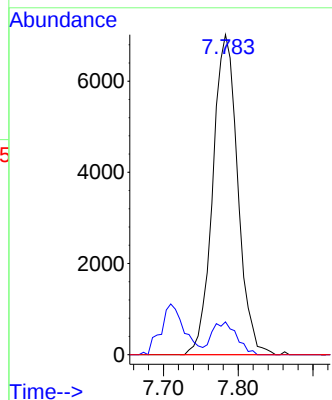
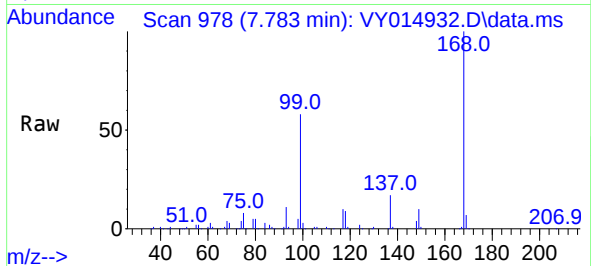




#36
1,1-Dichloropropene
Concen: 4.626 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014932.D
Acq: 02 Aug 2023 15:42

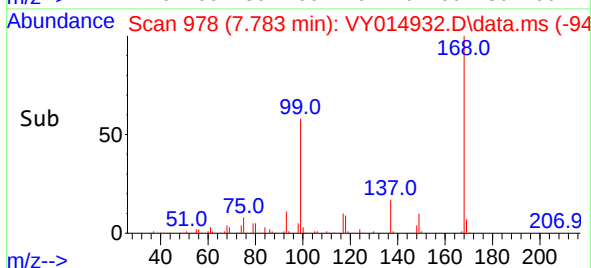
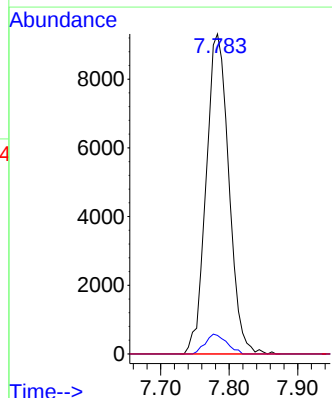
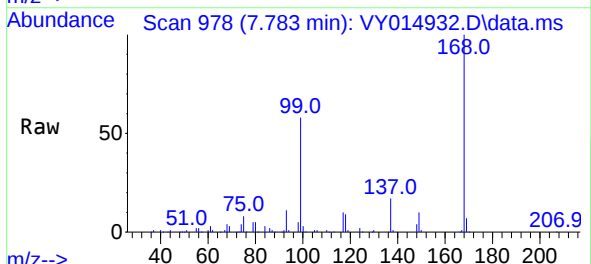
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BUILDING-B-11-(10-15)

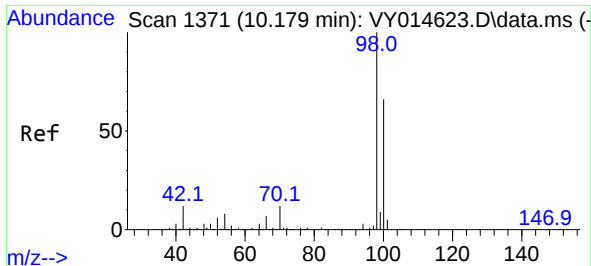
Tgt Ion: 75 Resp: 16270
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.771 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014932.D
Acq: 02 Aug 2023 15:42

Tgt Ion: 117 Resp: 21456
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 25.8 38.6#

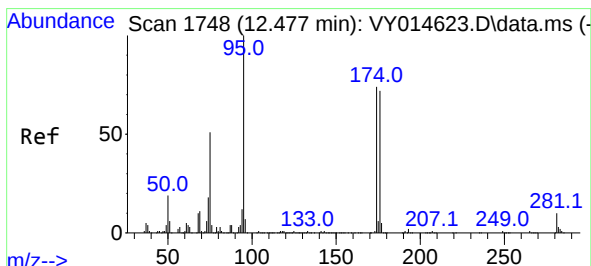
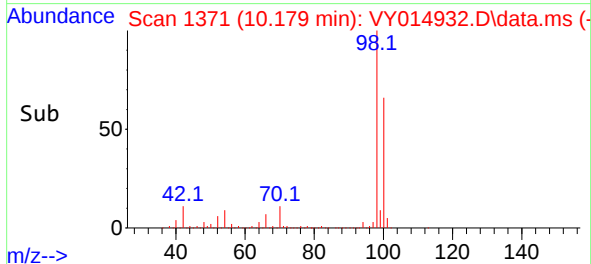
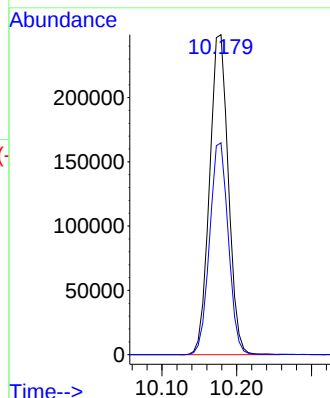
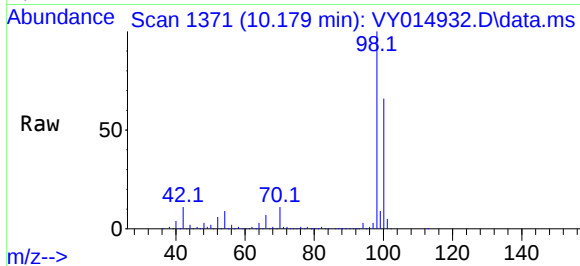




#50
Toluene-d8
Concen: 50.077 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014932.D
Acq: 02 Aug 2023 15:42

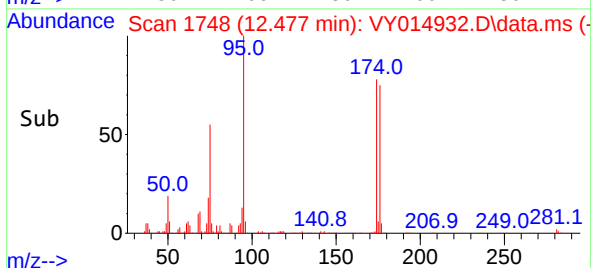
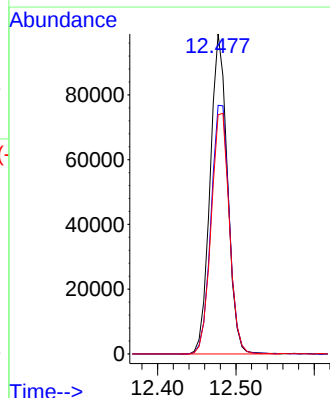
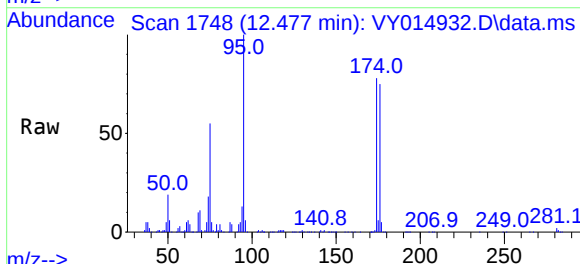
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BUILDING-B-11-(10-15)

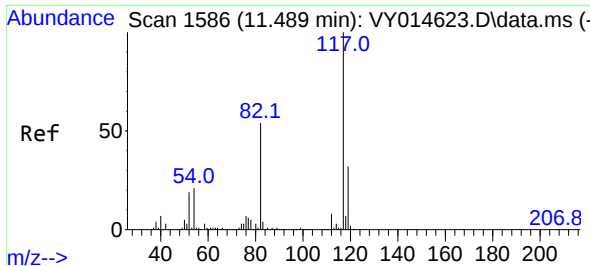
Tgt Ion: 98 Resp: 434217
Ion Ratio Lower Upper
98 100
100 66.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 45.604 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014932.D
Acq: 02 Aug 2023 15:42

Tgt Ion: 95 Resp: 151623
Ion Ratio Lower Upper
95 100
174 82.0 0.0 178.2
176 78.9 0.0 173.8

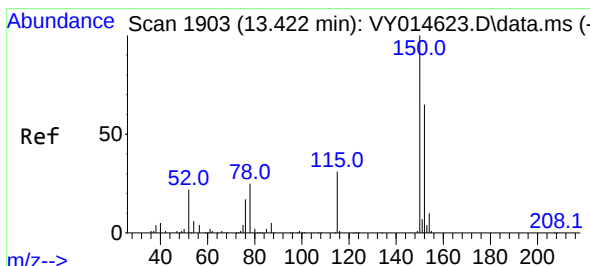
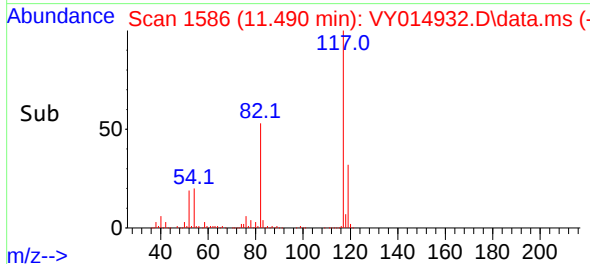
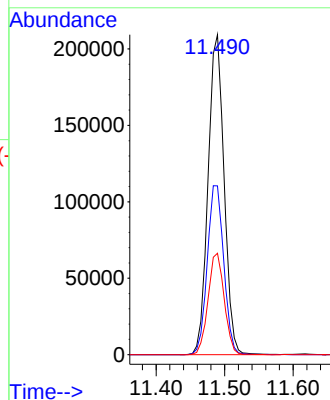
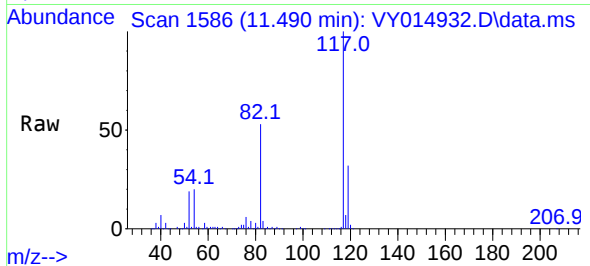




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY014932.D
Acq: 02 Aug 2023 15:42

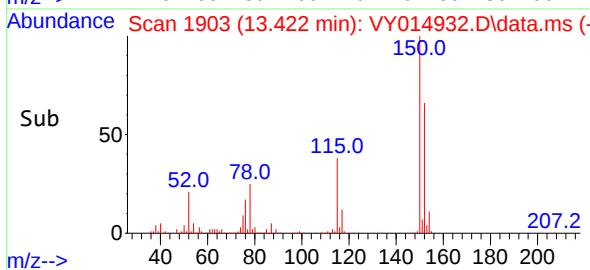
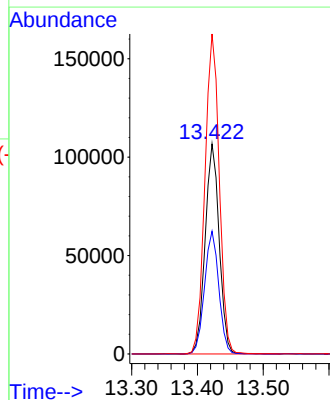
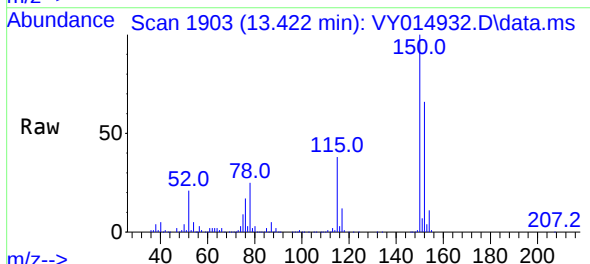
Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-11-(10-15)

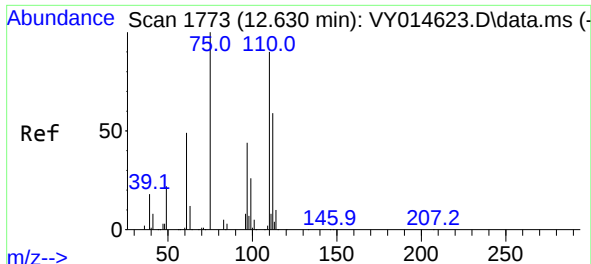
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.4	65.0
119	31.7	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014932.D
Acq: 02 Aug 2023 15:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.8	86.5
150	155.6	0.0	348.8

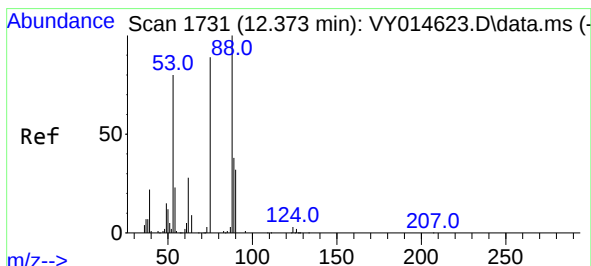
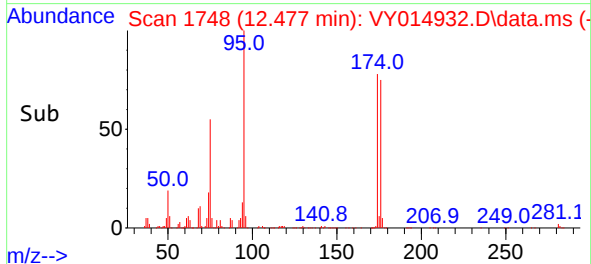
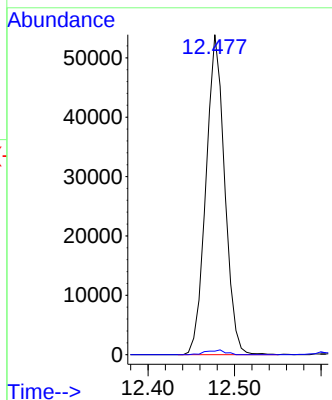
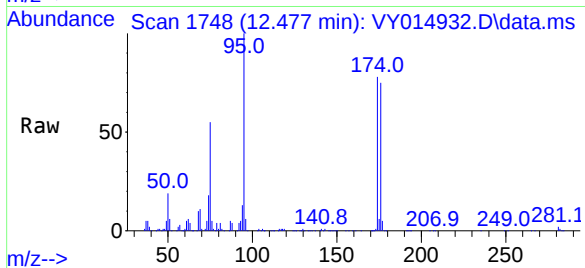




#76
1,2,3-Trichloropropane
Concen: 40.503 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014932.D
Acq: 02 Aug 2023 15:42

Instrument :
MSVOA_Y
ClientSampleId :
BUILDING-B-11-(10-15)

Tgt Ion: 75 Resp: 80967
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.420 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014932.D
Acq: 02 Aug 2023 15:42

Tgt Ion: 75 Resp: 80967
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

