

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081122\
 Data File : VY009977.D
 Acq On : 11 Aug 2022 20:29
 Operator : KP/MD
 Sample : N4093-03RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BLDG-4-BASEMENT-DRUM

Quant Time: Aug 12 02:50:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 17:37:28 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

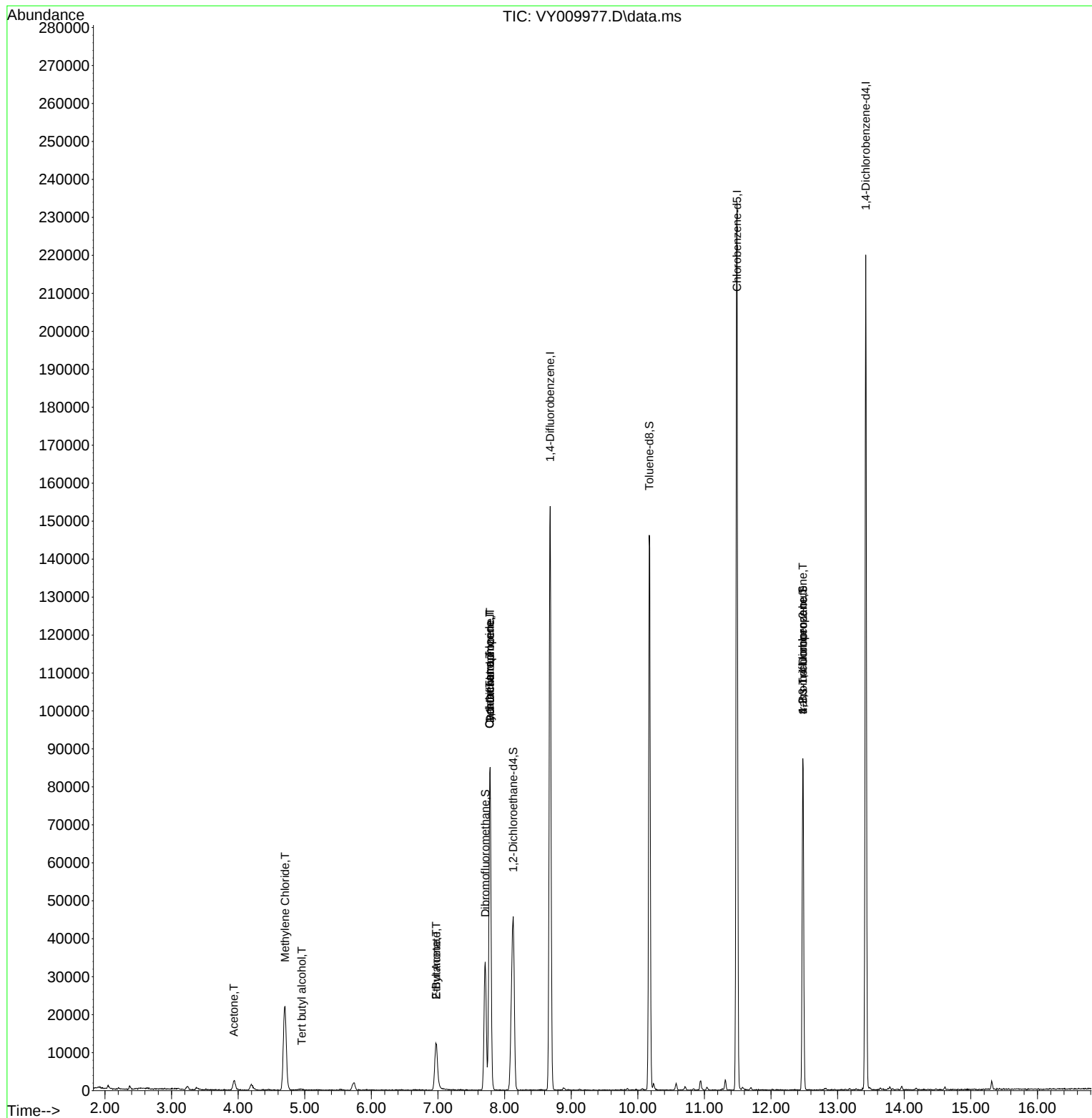
Internal Standards						
1) Pentafluorobenzene	7.783	168	64238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	129971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	124889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	51849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	25654	51.521	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.040%	
35) Dibromofluoromethane	7.710	113	24948	33.361	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 66.720%	
50) Toluene-d8	10.173	98	92849	41.441	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 82.880%	
62) 4-Bromofluorobenzene	12.477	95	26510	25.216	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 50.440%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	298	Below Cal		91
5) Bromomethane	2.644	94	21	Below Cal		98
11) Tert butyl alcohol	4.954	59	416	6.630	ug/l #	78
16) Acetone	3.936	43	4249	26.292	ug/l	96
18) Methyl Acetate	4.460	43	226	Below Cal	#	52
20) Methylene Chloride	4.704	84	17108	17.991	ug/l	90
25) 2-Butanone	6.972	43	1568	5.670	ug/l	98
31) Cyclohexane	7.777	56	1504	1.094	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	5450	4.187	ug/l #	49
37) Ethyl Acetate	6.972	43	1568	2.062	ug/l #	41
38) Carbon Tetrachloride	7.777	117	6315	5.065	ug/l #	19
76) 1,2,3-Trichloropropane	12.477	75	13862	25.043	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	13862	48.748	ug/l #	13

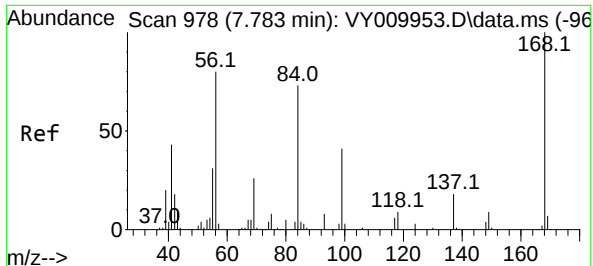
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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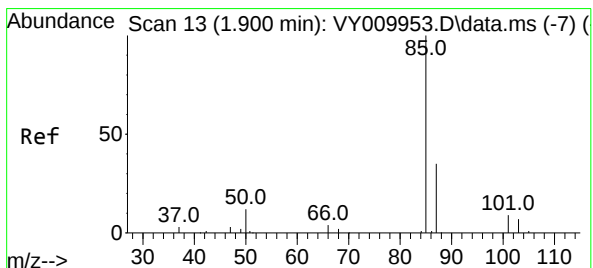
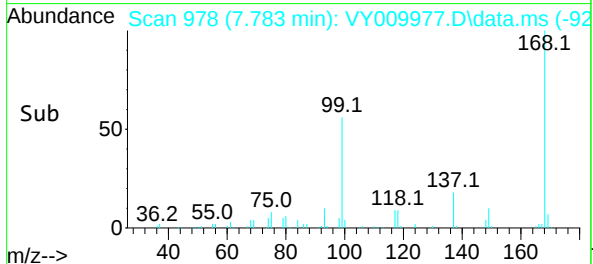
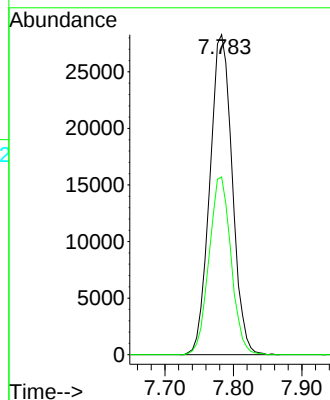
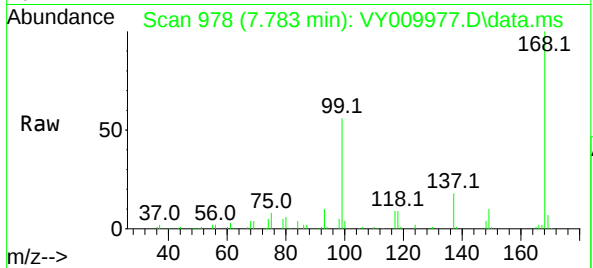




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009977.D
Acq: 11 Aug 2022 20:29

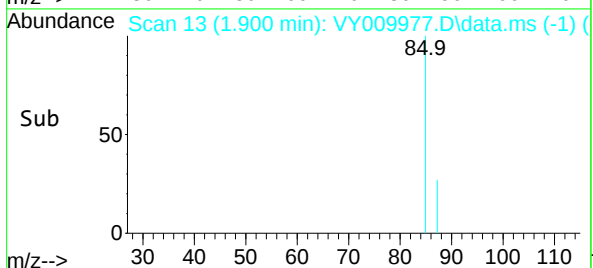
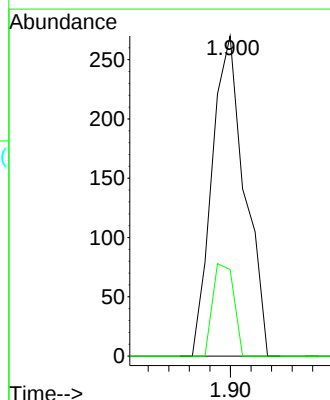
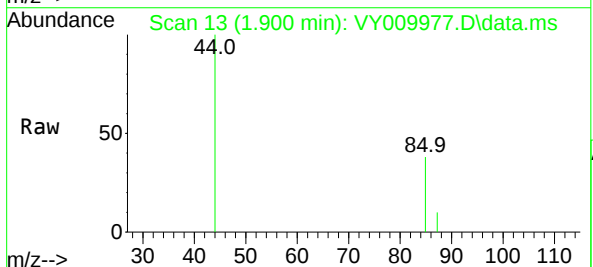
Instrument :
MSVOA_Y
ClientSampleId :
BLDG-4-BASEMENT-DRUM

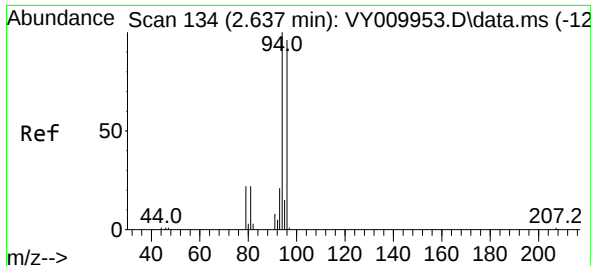
Tgt Ion:168 Resp: 64238
Ion Ratio Lower Upper
168 100
99 55.5 42.1 63.1



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009977.D
Acq: 11 Aug 2022 20:29

Tgt Ion: 85 Resp: 298
Ion Ratio Lower Upper
85 100
87 27.0 16.2 48.5

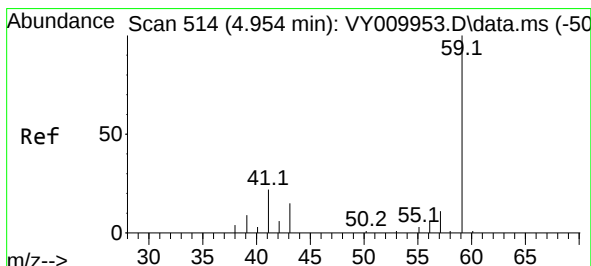
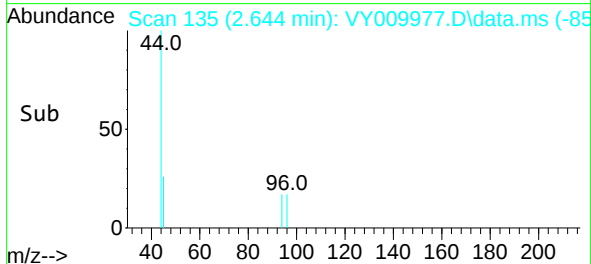
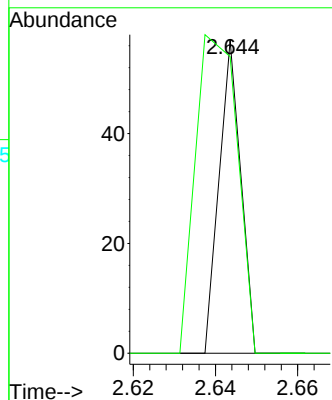
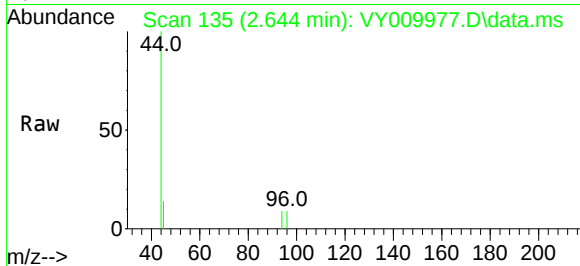




#5
Bromomethane
Concen: Below Cal
RT: 2.644 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY009977.D
Acq: 11 Aug 2022 20:29

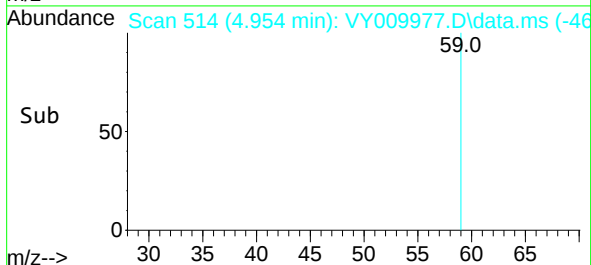
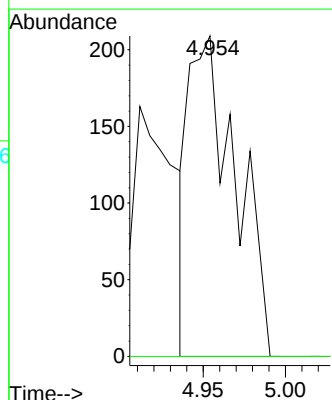
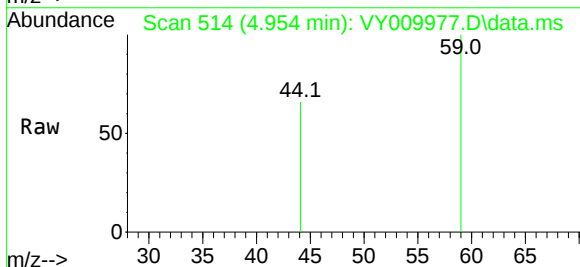
Instrument :
MSVOA_Y
ClientSampleId :
BLDG-4-BASEMENT-DRUM

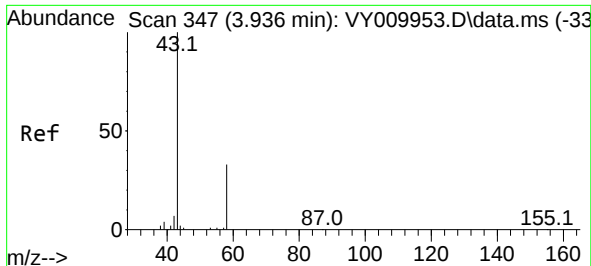
Tgt Ion: 94 Resp: 21
Ion Ratio Lower Upper
94 100
96 94.7 74.6 111.8



#11
Tert butyl alcohol
Concen: 6.630 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY009977.D
Acq: 11 Aug 2022 20:29

Tgt Ion: 59 Resp: 416
Ion Ratio Lower Upper
59 100
57 0.0 6.3 9.5#

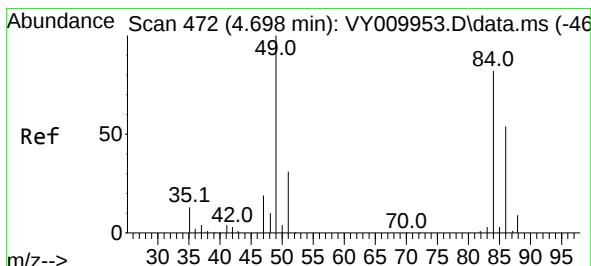
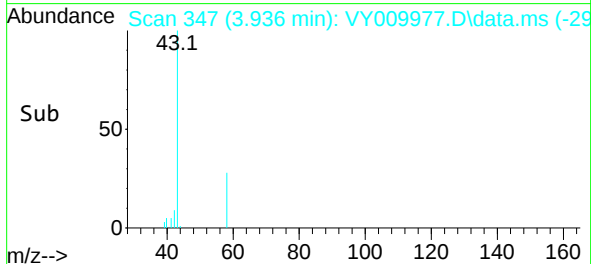
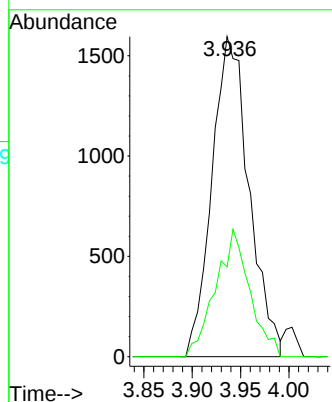
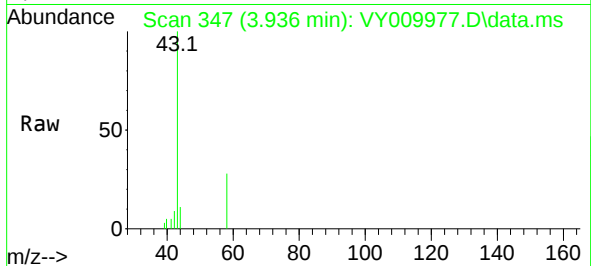




#16
Acetone
Concen: 26.292 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY009977.D
Acq: 11 Aug 2022 20:29

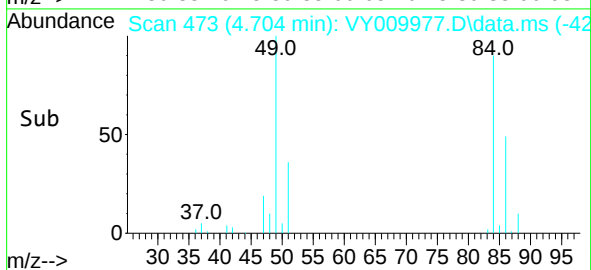
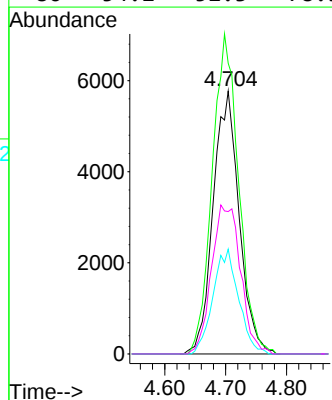
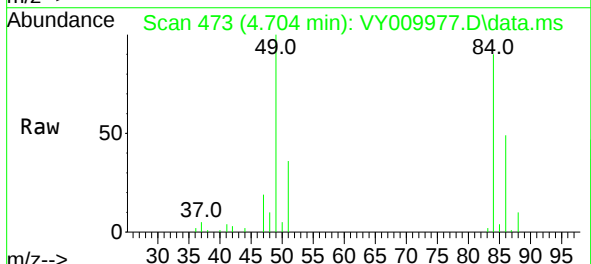
Instrument :
MSVOA_Y
ClientSampleId :
BLDG-4-BASEMENT-DRUM

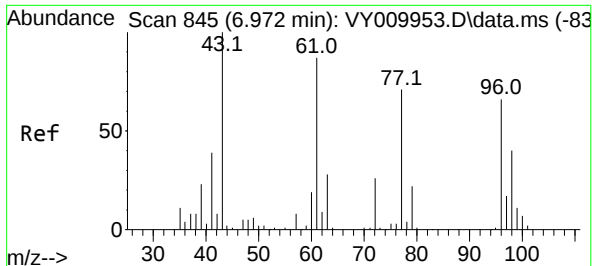
Tgt Ion: 43 Resp: 4249
Ion Ratio Lower Upper
43 100
58 28.0 24.0 36.0



#20
Methylene Chloride
Concen: 17.991 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.006 min
Lab File: VY009977.D
Acq: 11 Aug 2022 20:29

Tgt Ion: 84 Resp: 17108
Ion Ratio Lower Upper
84 100
49 110.6 98.2 147.4
51 39.9 33.4 50.0
86 54.2 52.3 78.5





#25

2-Butanone

Concen: 5.670 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY009977.D

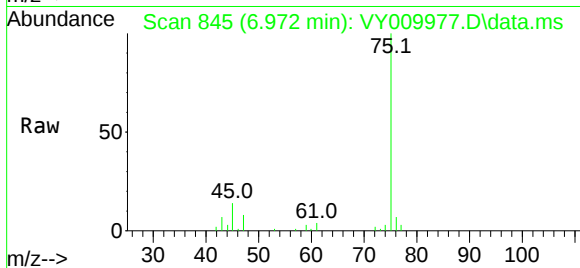
Acq: 11 Aug 2022 20:29

Instrument :

MSVOA_Y

ClientSampleId :

BLDG-4-BASEMENT-DRUM

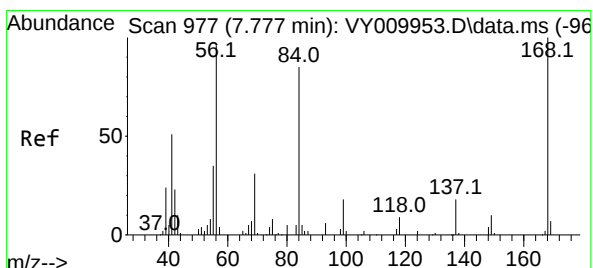
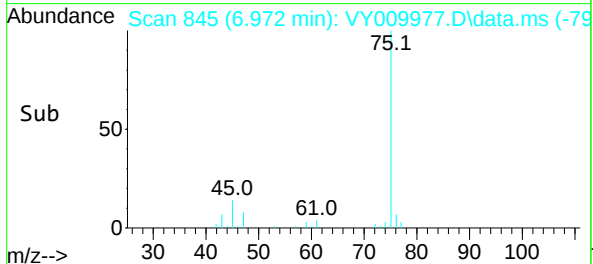
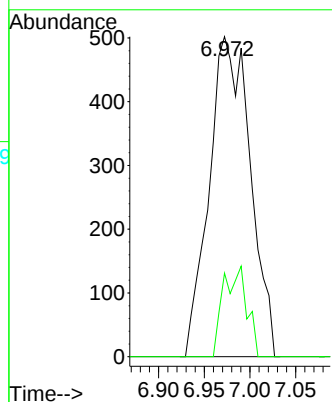


Tgt Ion: 43 Resp: 1568

Ion Ratio Lower Upper

43 100

72 26.1 21.5 32.3



#31

Cyclohexane

Concen: 1.094 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY009977.D

Acq: 11 Aug 2022 20:29

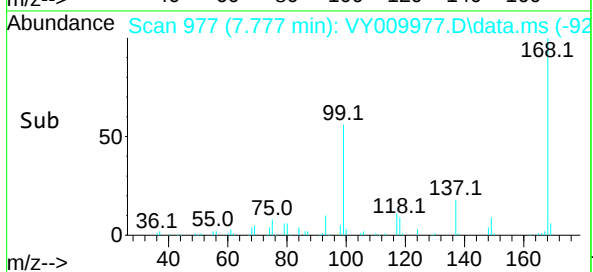
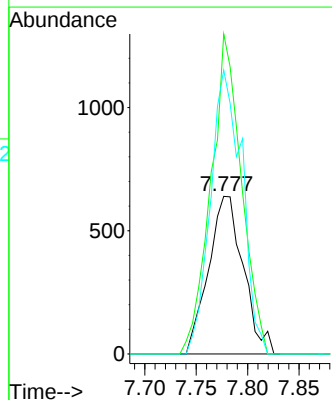
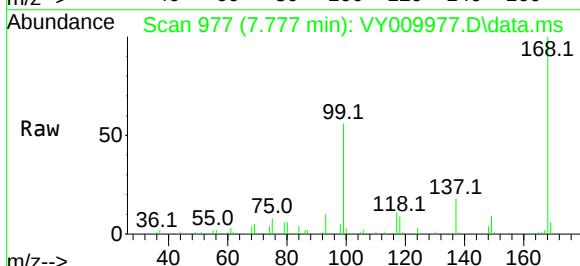
Tgt Ion: 56 Resp: 1504

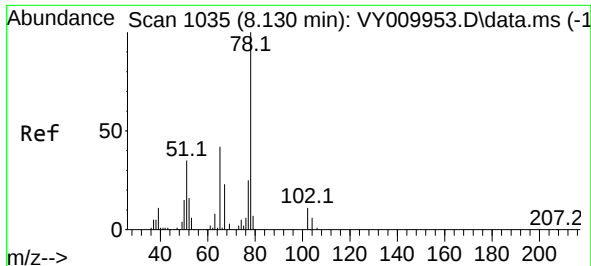
Ion Ratio Lower Upper

56 100

69 203.0 26.0 39.0#

84 180.0 69.5 104.3#





#33

1,2-Dichloroethane-d4

Concen: 51.521 ug/l

RT: 8.130 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY009977.D

Acq: 11 Aug 2022 20:29

Instrument :

MSVOA_Y

ClientSampleId :

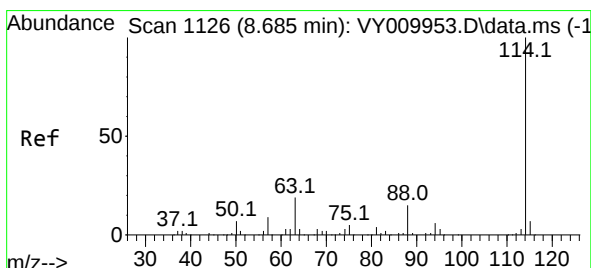
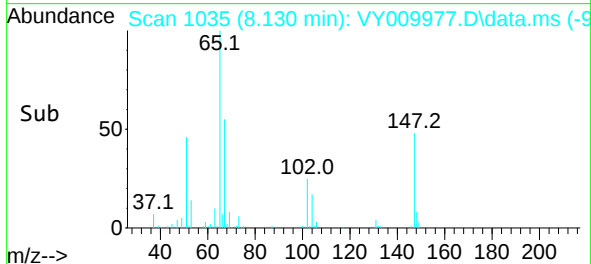
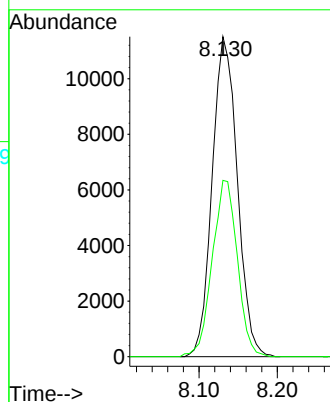
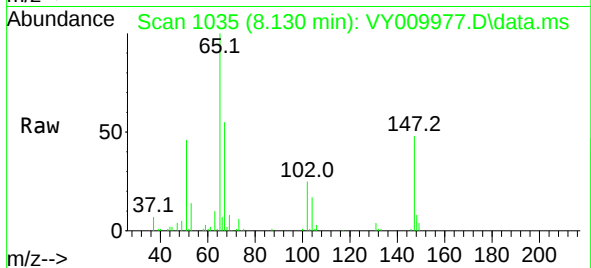
BLDG-4-BASEMENT-DRUM

Tgt Ion: 65 Resp: 25654

Ion Ratio Lower Upper

65 100

67 55.1 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009977.D

Acq: 11 Aug 2022 20:29

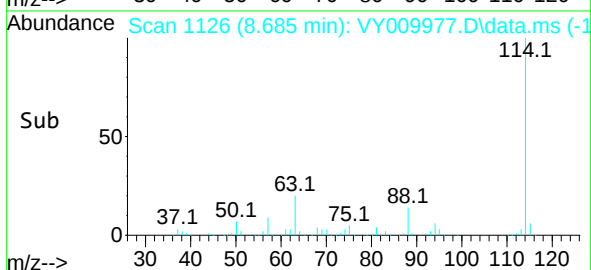
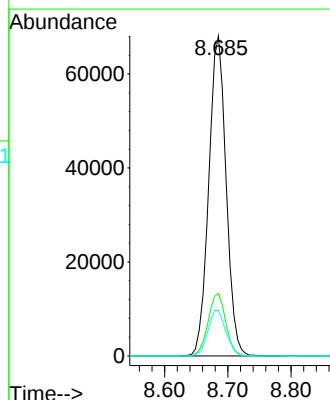
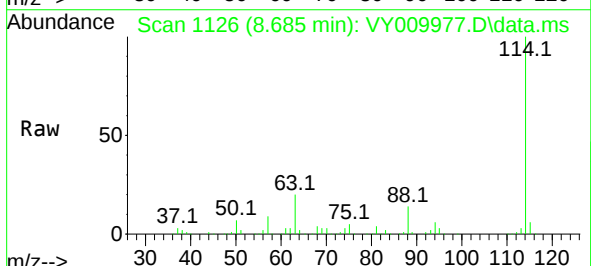
Tgt Ion: 114 Resp: 129971

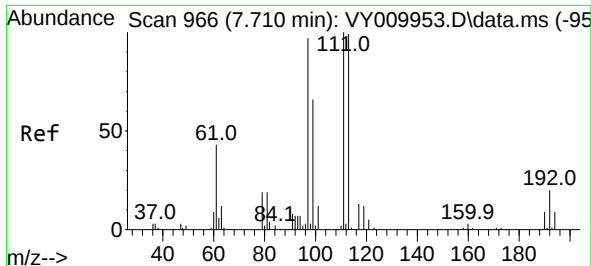
Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.0

88 14.2 0.0 30.0

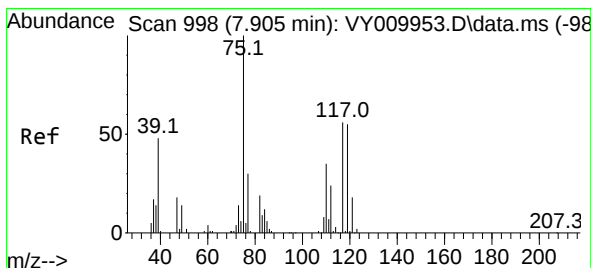
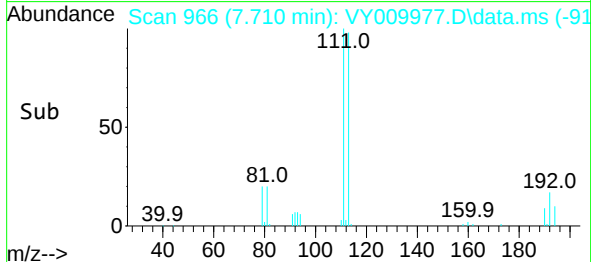
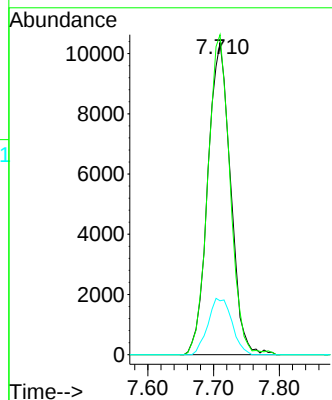
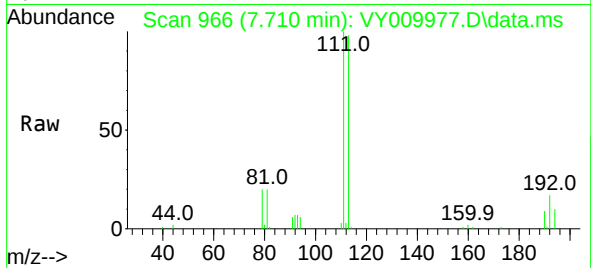




#35
Dibromofluoromethane
Concen: 33.361 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009977.D
Acq: 11 Aug 2022 20:29

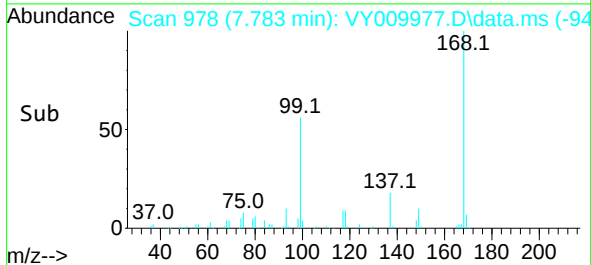
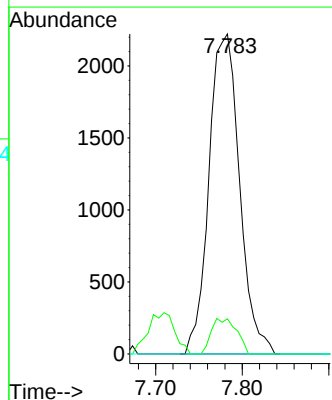
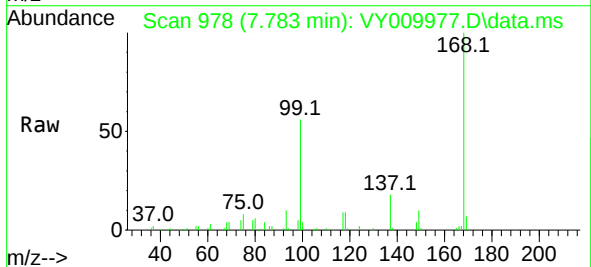
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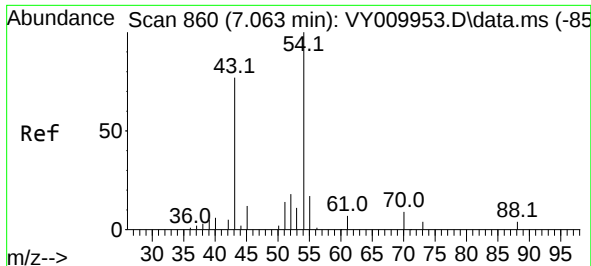
Tgt Ion:113 Resp: 24948
Ion Ratio Lower Upper
113 100
111 99.9 80.6 120.8
192 19.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.187 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY009977.D
Acq: 11 Aug 2022 20:29

Tgt Ion: 75 Resp: 5450
Ion Ratio Lower Upper
75 100
110 9.2 18.6 56.0#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.062 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY009977.D

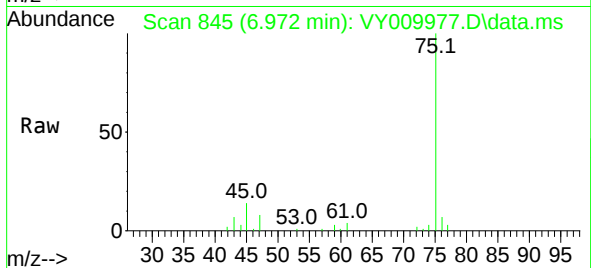
Acq: 11 Aug 2022 20:29

Instrument :

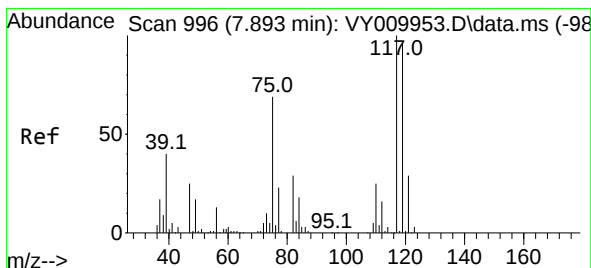
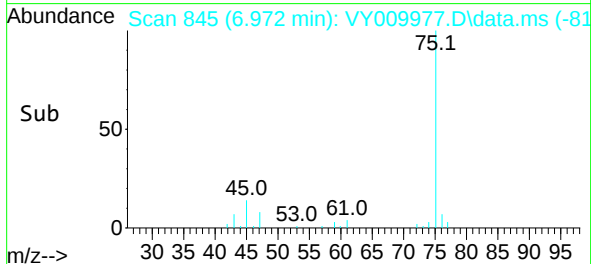
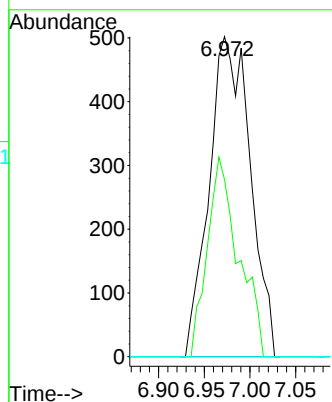
MSVOA_Y

ClientSampleId :

BLDG-4-BASEMENT-DRUM



Tgt Ion: 43	Resp:	1568
Ion	Ratio	Lower Upper
43	100	
61	47.3	11.2 16.8#
70	0.0	8.4 12.6#



#38

Carbon Tetrachloride

Concen: 5.065 ug/l

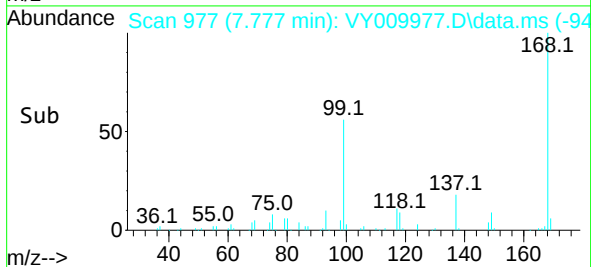
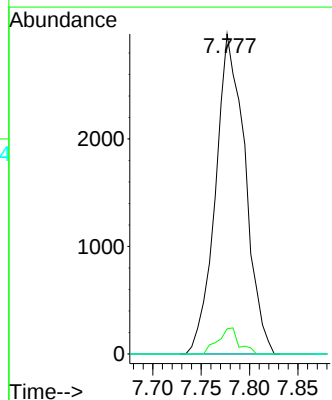
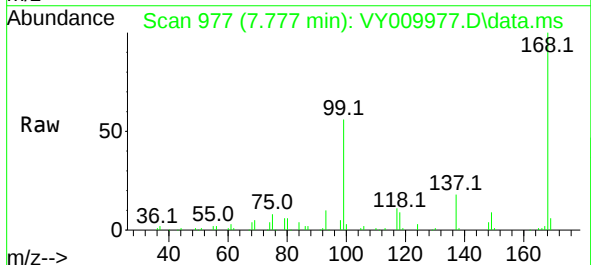
RT: 7.777 min Scan# 977

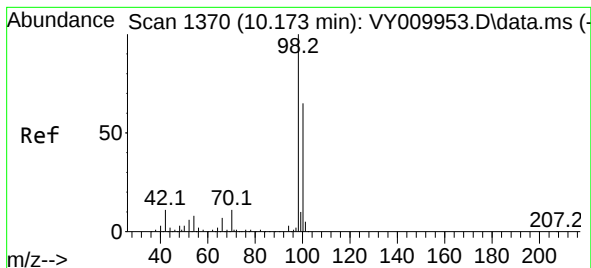
Delta R.T. -0.116 min

Lab File: VY009977.D

Acq: 11 Aug 2022 20:29

Tgt Ion: 117	Resp:	6315
Ion	Ratio	Lower Upper
117	100	
119	7.9	75.9 113.9#
121	0.0	24.9 37.3#

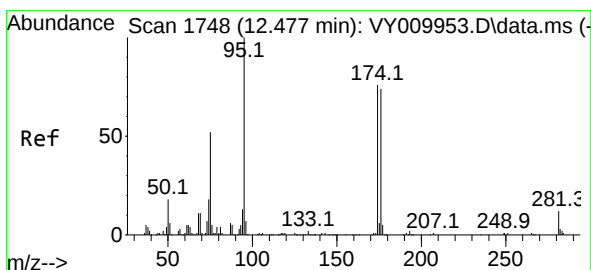
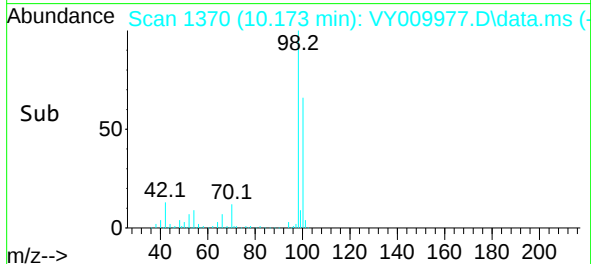
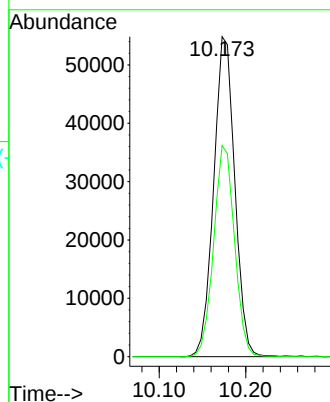
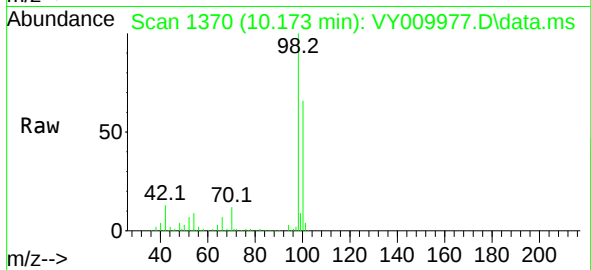




#50
Toluene-d8
Concen: 41.441 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009977.D
Acq: 11 Aug 2022 20:29

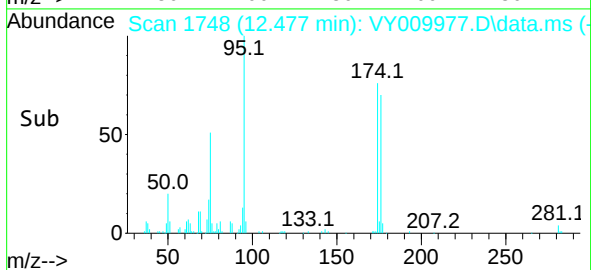
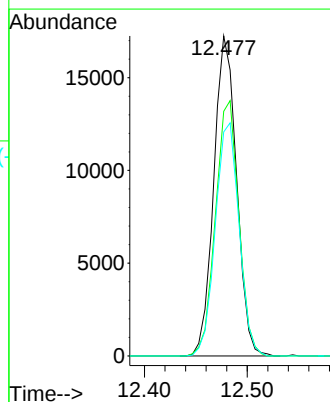
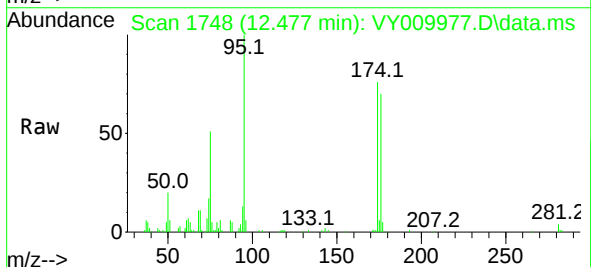
Instrument :
MSVOA_Y
ClientSampleId :
BLDG-4-BASEMENT-DRUM

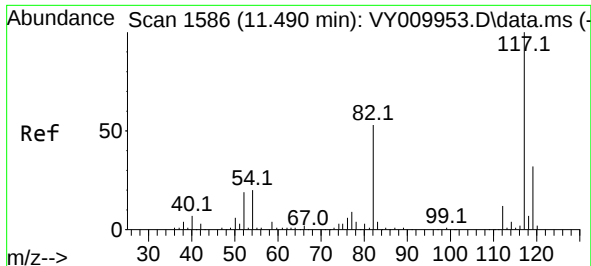
Tgt Ion: 98 Resp: 92849
Ion Ratio Lower Upper
98 100
100 65.3 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 25.216 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009977.D
Acq: 11 Aug 2022 20:29

Tgt Ion: 95 Resp: 26510
Ion Ratio Lower Upper
95 100
174 81.7 0.0 173.8
176 75.9 0.0 167.0

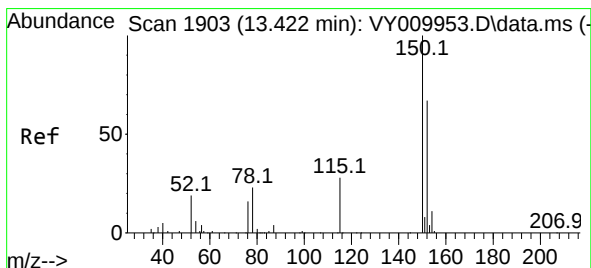
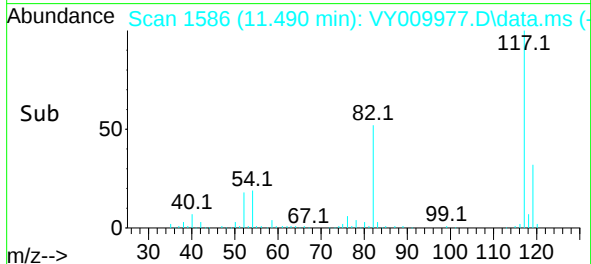
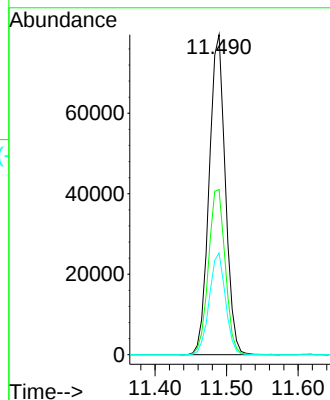
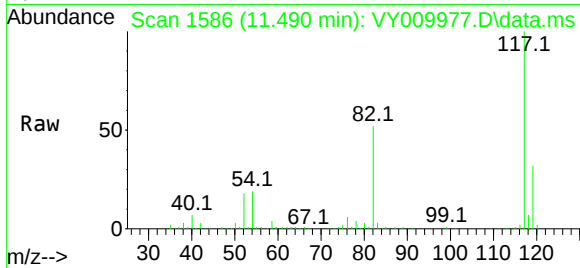




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009977.D
Acq: 11 Aug 2022 20:29

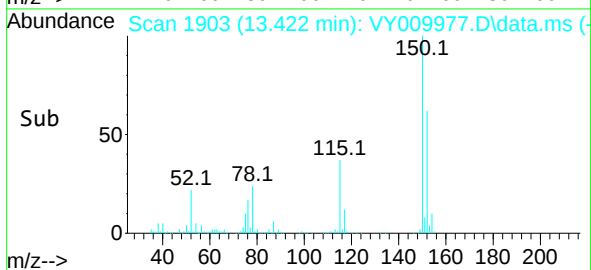
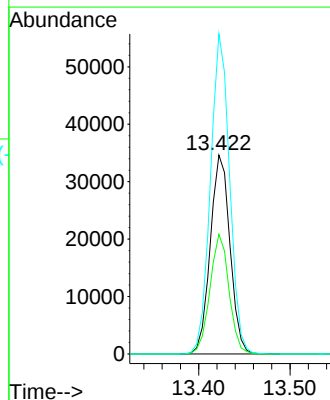
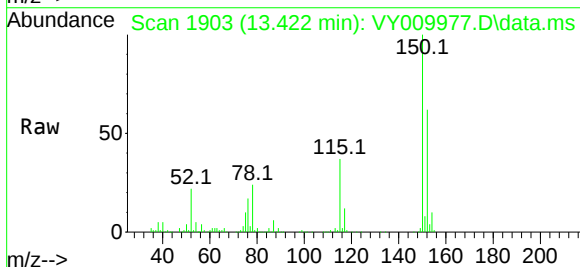
Instrument :
MSVOA_Y
ClientSampleId :
BLDG-4-BASEMENT-DRUM

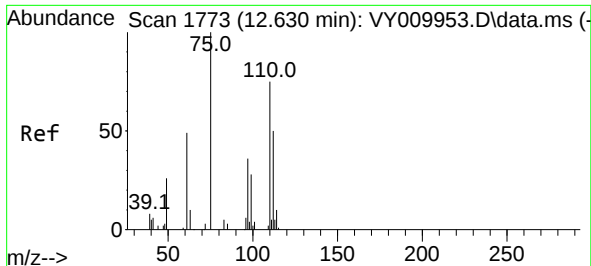
Tgt Ion:117 Resp: 124889
Ion Ratio Lower Upper
117 100
82 51.6 41.8 62.6
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009977.D
Acq: 11 Aug 2022 20:29

Tgt Ion:152 Resp: 51849
Ion Ratio Lower Upper
152 100
115 58.0 28.6 85.9
150 156.0 0.0 349.8

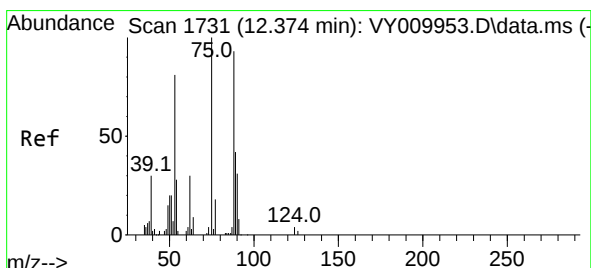
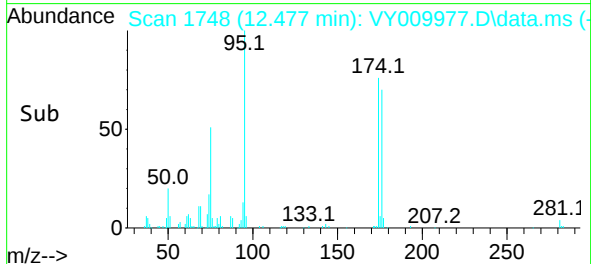
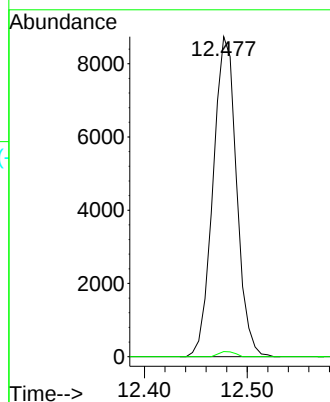
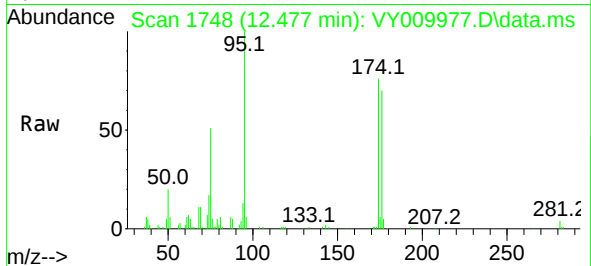




#76
1,2,3-Trichloropropane
Concen: 25.043 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009977.D
Acq: 11 Aug 2022 20:29

Instrument :
MSVOA_Y
ClientSampleId :
BLDG-4-BASEMENT-DRUM

Tgt Ion: 75 Resp: 13862
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 48.748 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009977.D
Acq: 11 Aug 2022 20:29

Tgt Ion: 75 Resp: 13862
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 38.1 57.1#

