

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081122\
 Data File : VY009962.D
 Acq On : 11 Aug 2022 14:34
 Operator : KP/MD
 Sample : N4093-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 12 02:49:02 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)

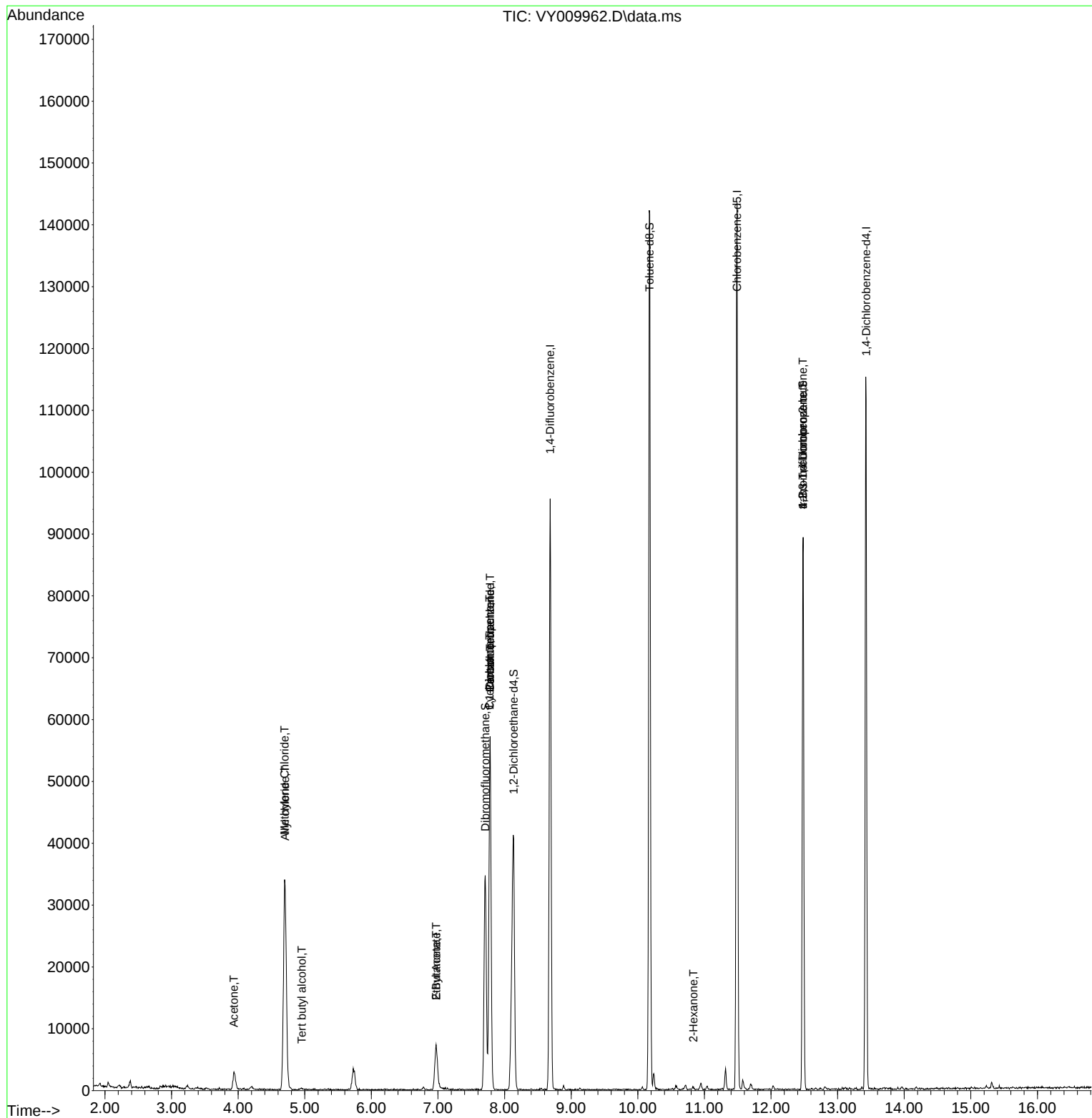
Internal Standards						
1) Pentafluorobenzene	7.783	168	43442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	79627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	76426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	28797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	25272	77.958	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 155.920%	
35) Dibromofluoromethane	7.709	113	24751	54.024	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.040%	
50) Toluene-d8	10.178	98	92441	71.891	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 143.780%#	
62) 4-Bromofluorobenzene	12.477	95	27209	42.244	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.480%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.661	94	92	Below Cal	#	3
11) Tert butyl alcohol	4.954	59	523	12.326	ug/l #	78
14) Allyl chloride	4.704	41	1137	1.373	ug/l #	24
16) Acetone	3.936	43	4960	45.384	ug/l	90
18) Methyl Acetate	4.460	43	26	Below Cal	#	52
20) Methylene Chloride	4.698	84	24792	43.037	ug/l	99
25) 2-Butanone	6.972	43	1550	8.288	ug/l #	80
31) Cyclohexane	7.776	56	991	1.065	ug/l #	5
36) 1,1-Dichloropropene	7.776	75	3439	4.312	ug/l #	46
37) Ethyl Acetate	6.972	43	1550	3.327	ug/l #	73
38) Carbon Tetrachloride	7.783	117	4398	5.757	ug/l #	18
59) 2-Hexanone	10.837	43	366	1.179	ug/l	97
76) 1,2,3-Trichloropropane	12.477	75	14468	47.061	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	14468	91.607	ug/l #	13

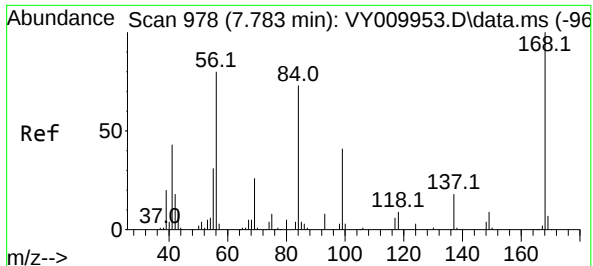
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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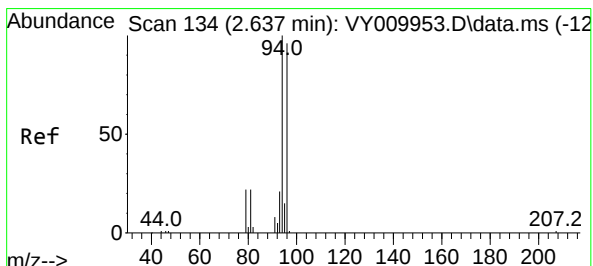
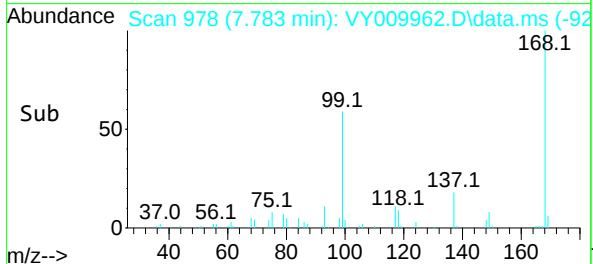
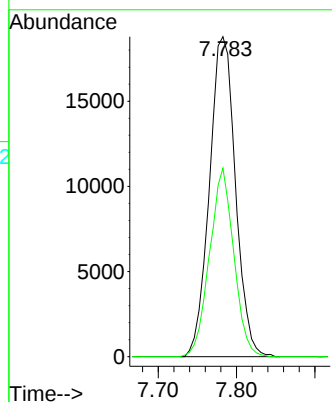
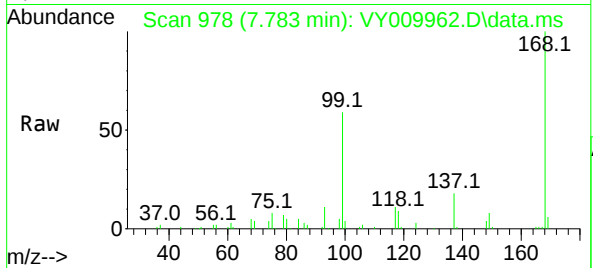




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

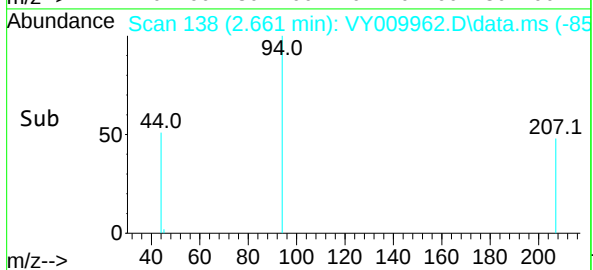
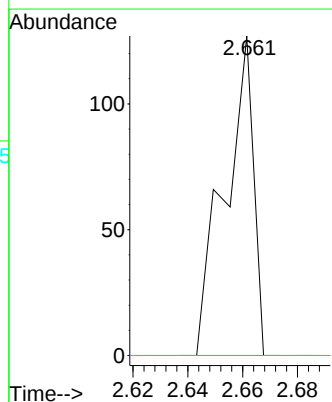
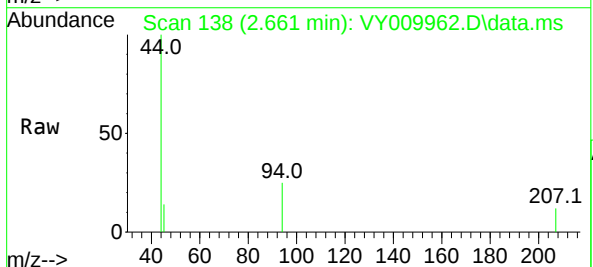
Instrument :
MSVOA_Y
ClientSampleId :
BLDG-4-BASEMENT-DRUM

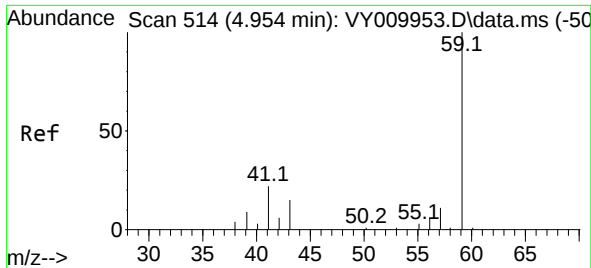
Tgt Ion:168 Resp: 43442
Ion Ratio Lower Upper
168 100
99 58.9 42.1 63.1



#5
Bromomethane
Concen: Below Cal
RT: 2.661 min Scan# 138
Delta R.T. 0.024 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

Tgt Ion: 94 Resp: 92
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

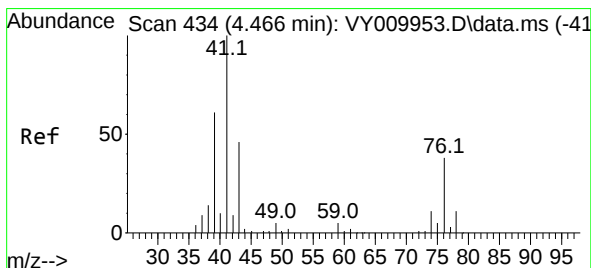
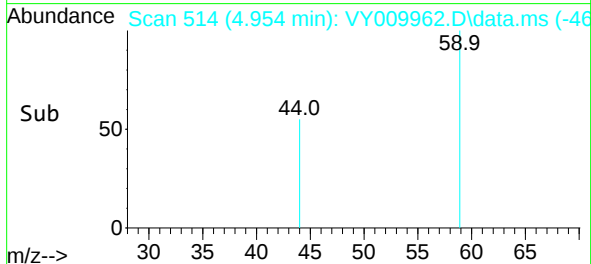
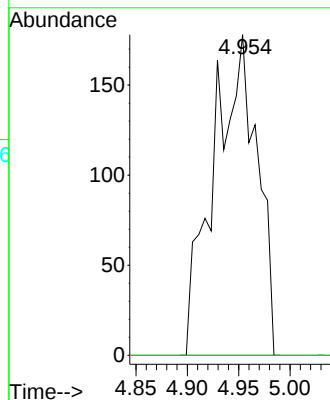
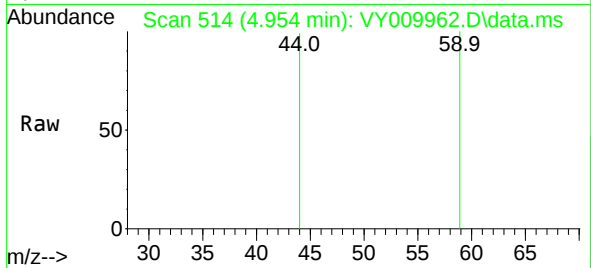




#11
Tert butyl alcohol
Concen: 12.326 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.000 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

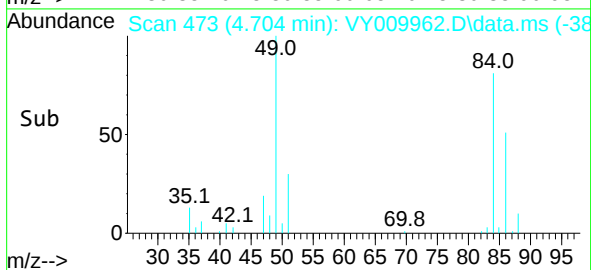
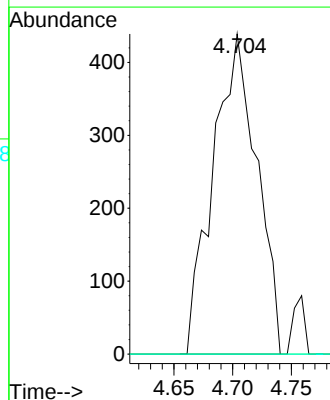
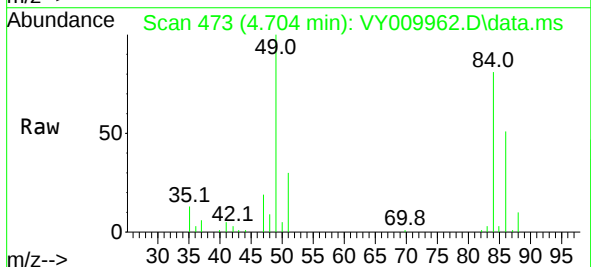
Instrument :
MSVOA_Y
ClientSampleId :
BLDG-4-BASEMENT-DRUM

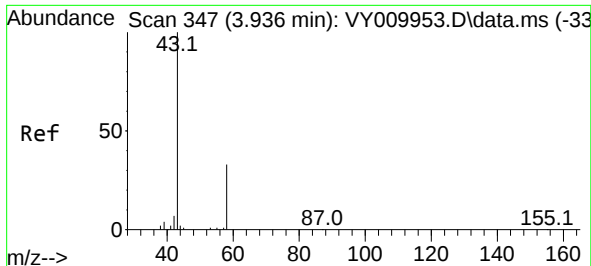
Tgt Ion: 59 Resp: 523
Ion Ratio Lower Upper
59 100
57 0.0 6.3 9.5#



#14
Allyl chloride
Concen: 1.373 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.238 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

Tgt Ion: 41 Resp: 1137
Ion Ratio Lower Upper
41 100
39 0.0 53.5 80.3#
76 0.0 29.4 44.0#

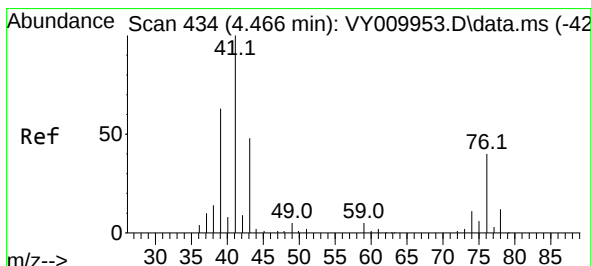
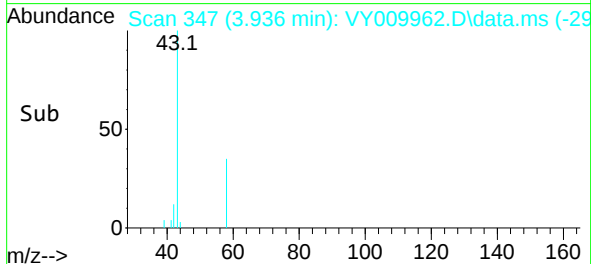
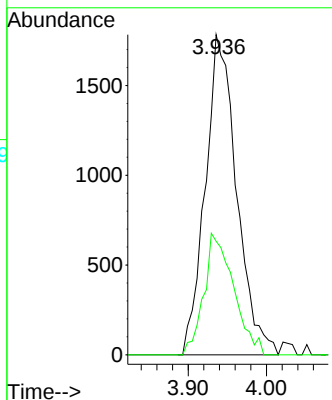
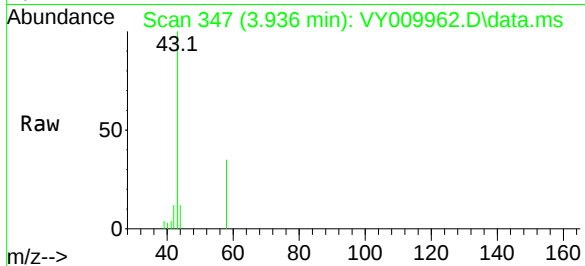




#16
Acetone
Concen: 45.384 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

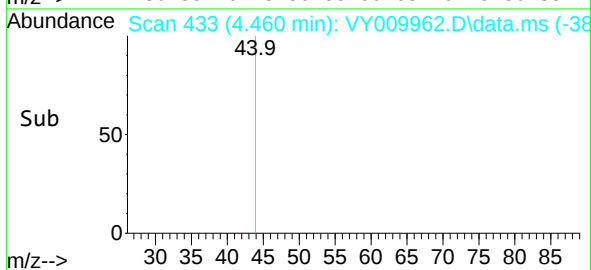
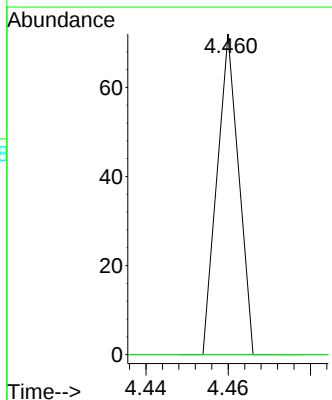
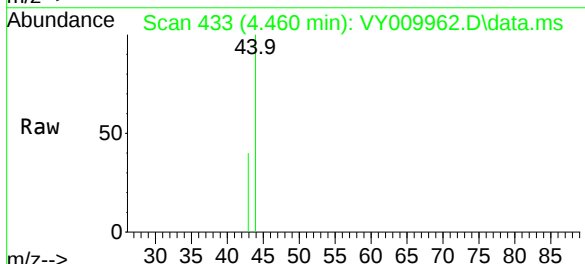
Instrument :
MSVOA_Y
ClientSampleId :
BLDG-4-BASEMENT-DRUM

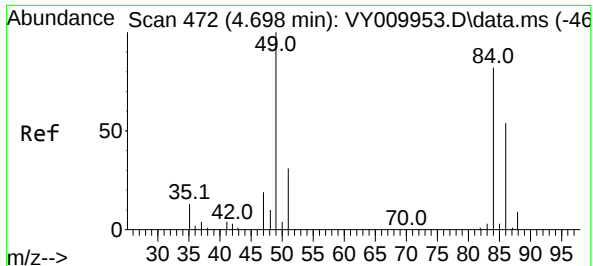
Tgt Ion: 43 Resp: 4960
Ion Ratio Lower Upper
43 100
58 35.4 24.0 36.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 433
Delta R.T. -0.006 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

Tgt Ion: 43 Resp: 26
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#





#20

Methylene Chloride

Concen: 43.037 ug/l

RT: 4.698 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY009962.D

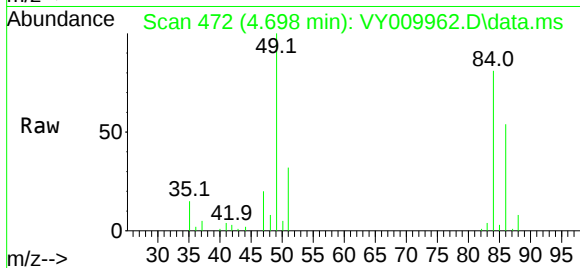
Acq: 11 Aug 2022 14:34

Instrument :

MSVOA_Y

ClientSampleId :

BLDG-4-BASEMENT-DRUM



Tgt Ion: 84 Resp: 24792

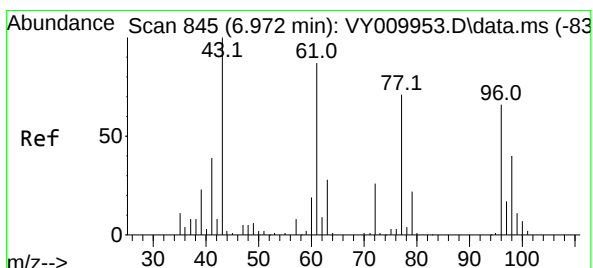
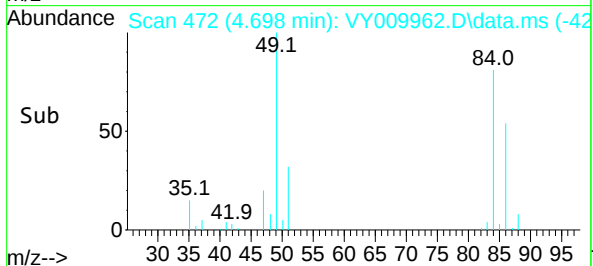
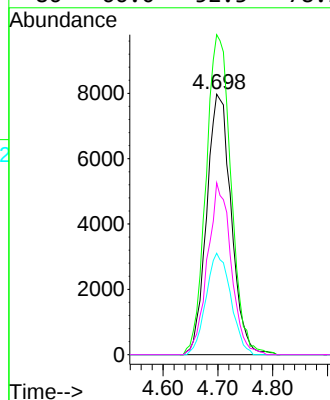
Ion Ratio Lower Upper

84 100

49 122.9 98.2 147.4

51 38.9 33.4 50.0

86 66.0 52.3 78.5



#25

2-Butanone

Concen: 8.288 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY009962.D

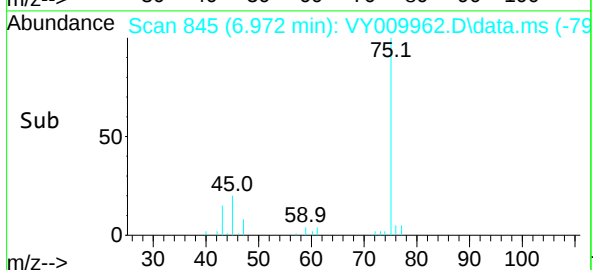
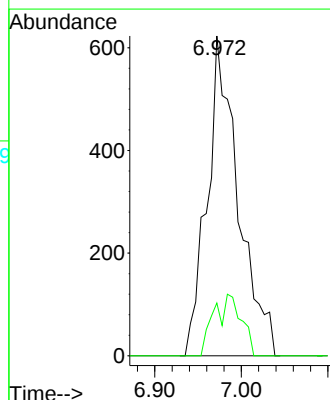
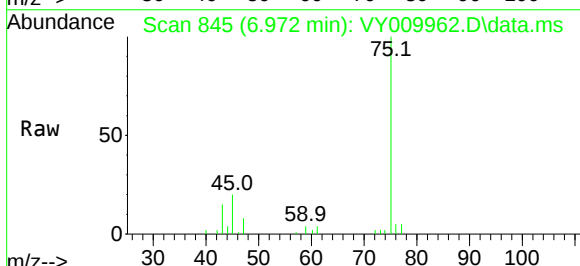
Acq: 11 Aug 2022 14:34

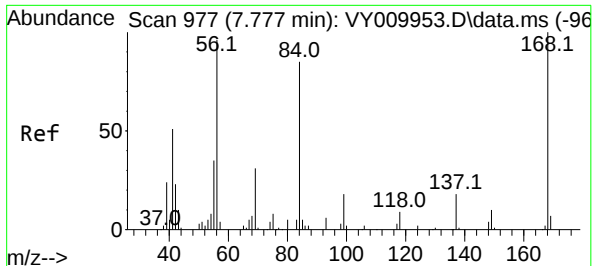
Tgt Ion: 43 Resp: 1550

Ion Ratio Lower Upper

43 100

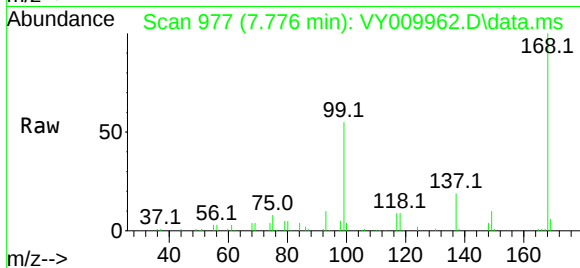
72 16.5 21.5 32.3#



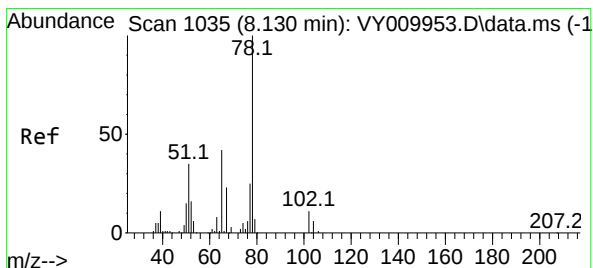
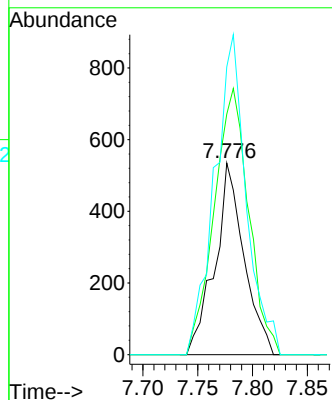
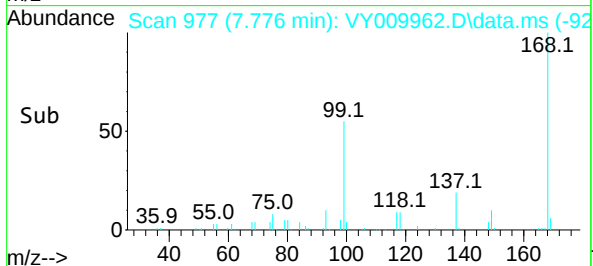


#31
Cyclohexane
Concen: 1.065 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

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

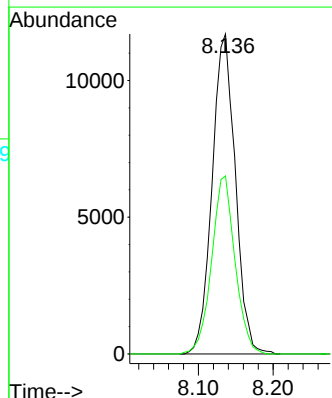
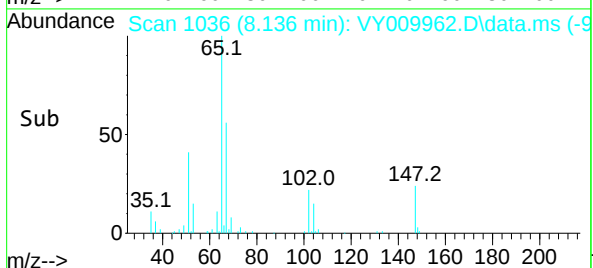
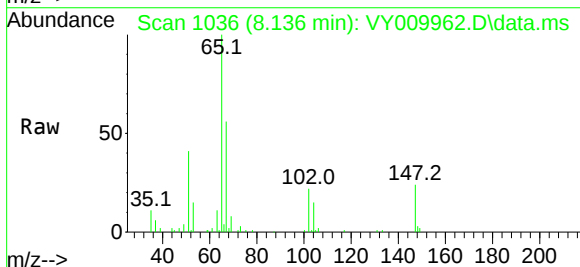


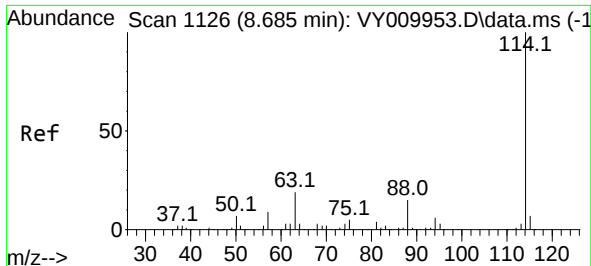
Tgt Ion: 56 Resp: 991
Ion Ratio Lower Upper
56 100
69 125.4 26.0 39.0#
84 150.1 69.5 104.3#



#33
1,2-Dichloroethane-d4
Concen: 77.958 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

Tgt Ion: 65 Resp: 25272
Ion Ratio Lower Upper
65 100
67 56.2 0.0 108.4

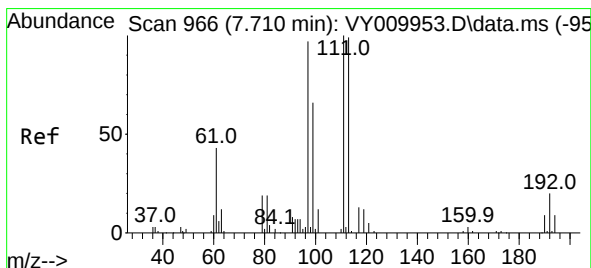
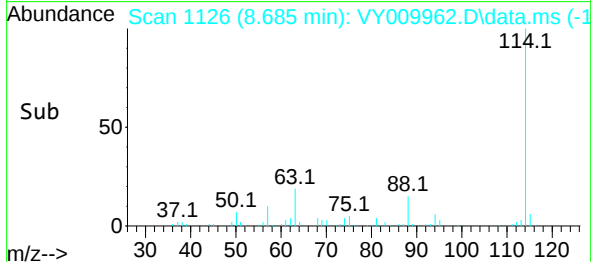
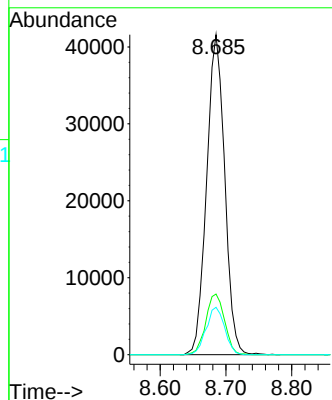
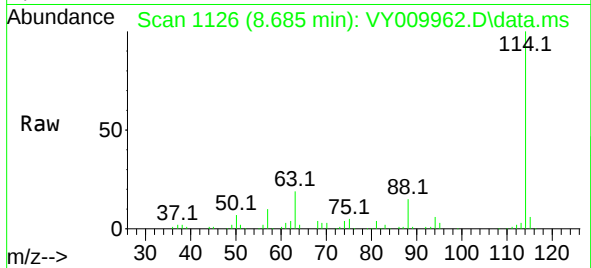




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

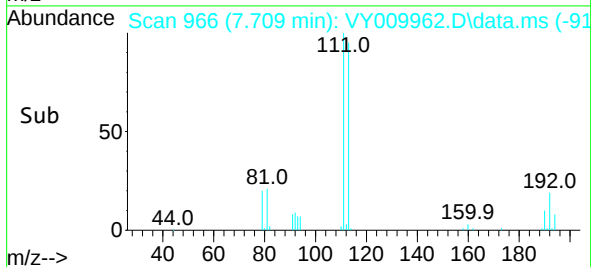
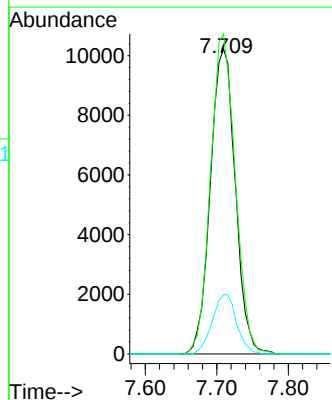
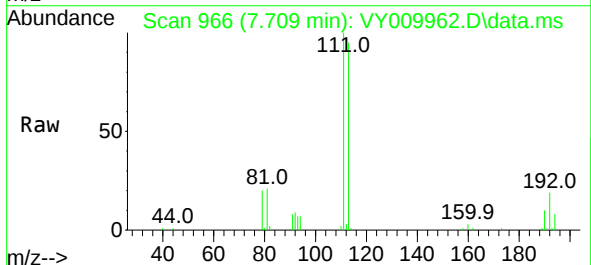
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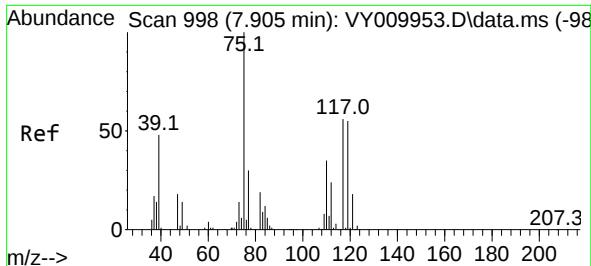
Tgt Ion:114 Resp: 79627
Ion Ratio Lower Upper
114 100
63 18.9 0.0 38.0
88 14.8 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.024 ug/l
RT: 7.709 min Scan# 966
Delta R.T. -0.001 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

Tgt Ion:113 Resp: 24751
Ion Ratio Lower Upper
113 100
111 104.3 80.6 120.8
192 19.0 16.2 24.4

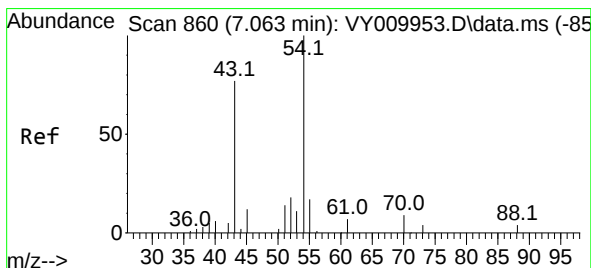
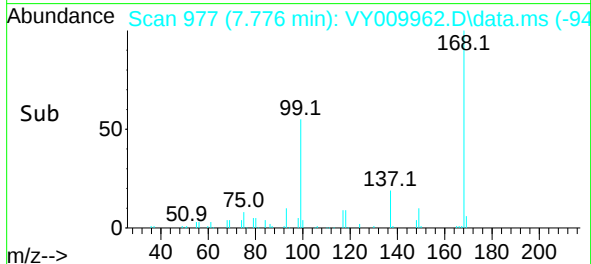
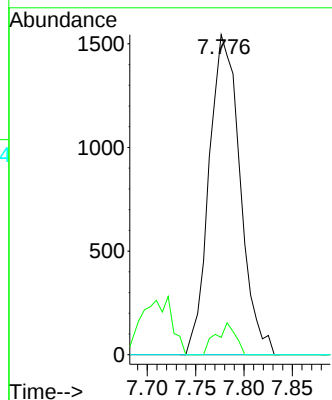
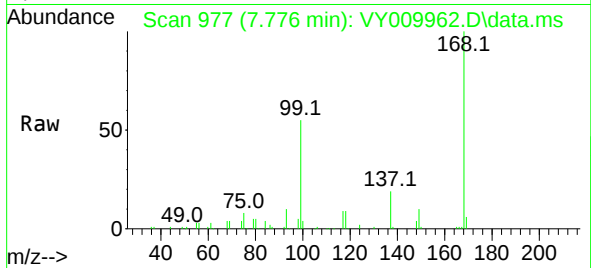




#36
1,1-Dichloropropene
Concen: 4.312 ug/l
RT: 7.776 min Scan# 91
Delta R.T. -0.129 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

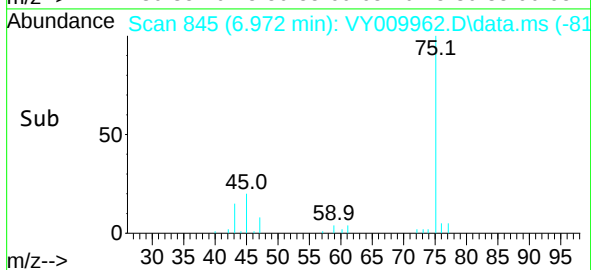
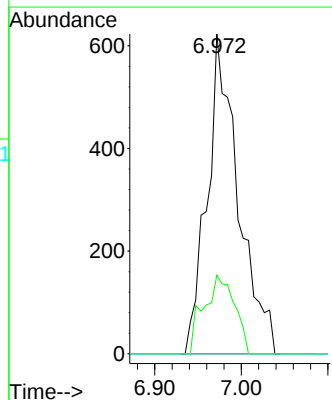
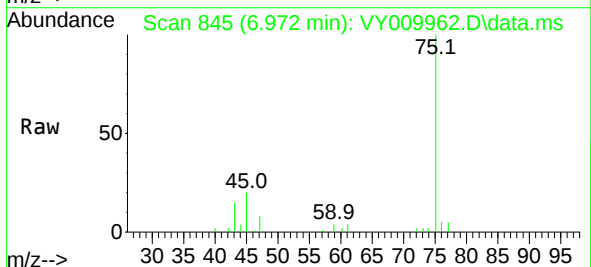
Instrument :
MSVOA_Y
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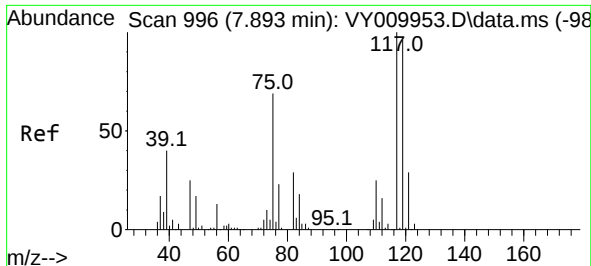
Tgt Ion: 75 Resp: 3439
Ion Ratio Lower Upper
75 100
110 6.3 18.6 56.0#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 3.327 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.091 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

Tgt Ion: 43 Resp: 1550
Ion Ratio Lower Upper
43 100
61 24.3 11.2 16.8#
70 0.0 8.4 12.6#

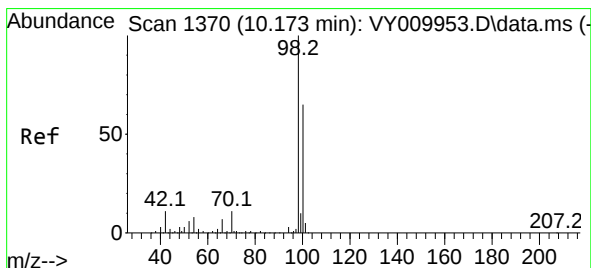
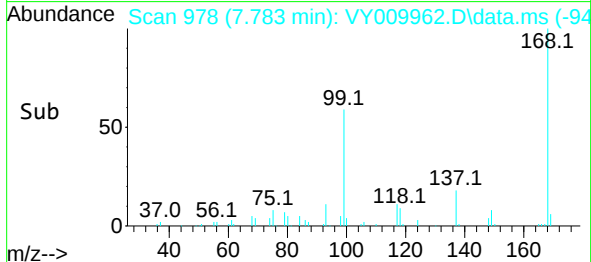
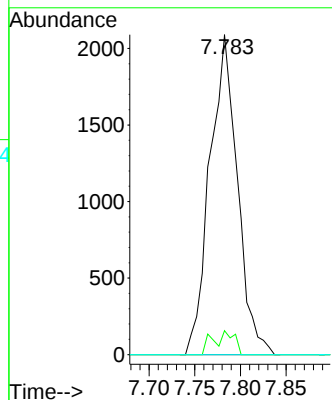
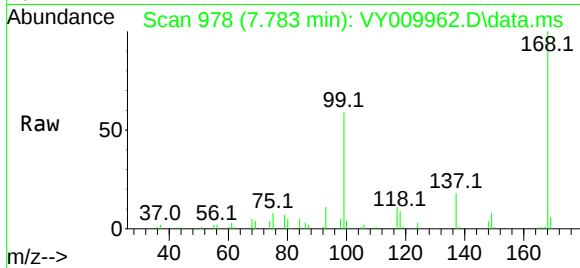




#38
Carbon Tetrachloride
Concen: 5.757 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

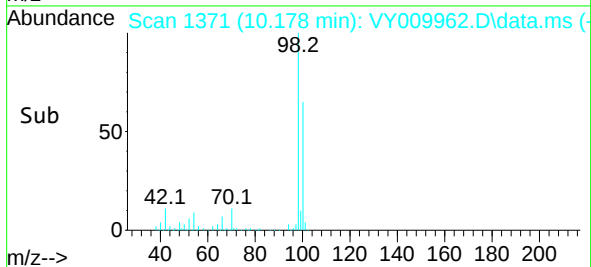
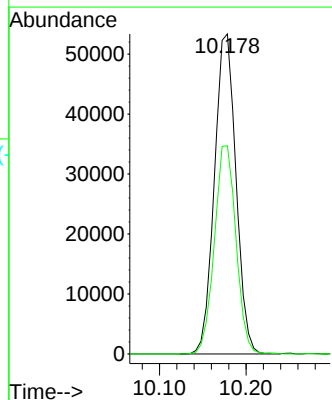
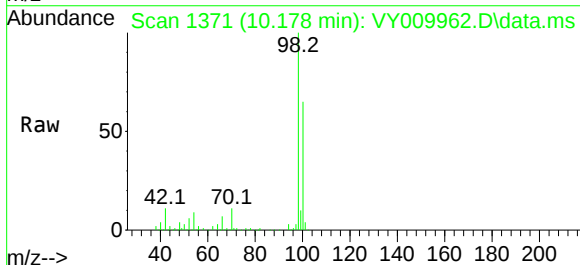
Instrument :
MSVOA_Y
ClientSampleId :
BLDG-4-BASEMENT-DRUM

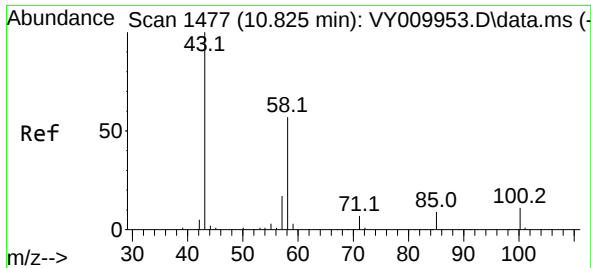
Tgt Ion:117 Resp: 4398
Ion Ratio Lower Upper
117 100
119 7.5 75.9 113.9#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 71.891 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.005 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

Tgt Ion: 98 Resp: 92441
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3

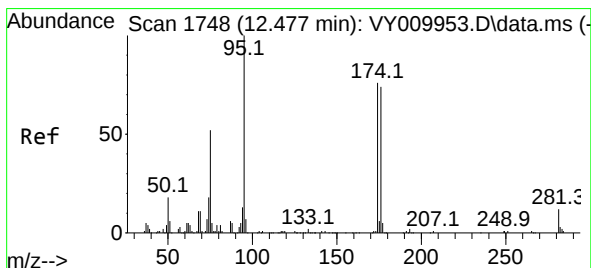
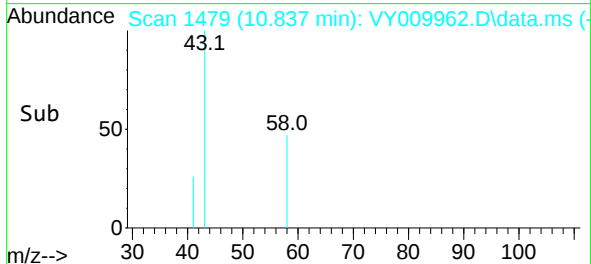
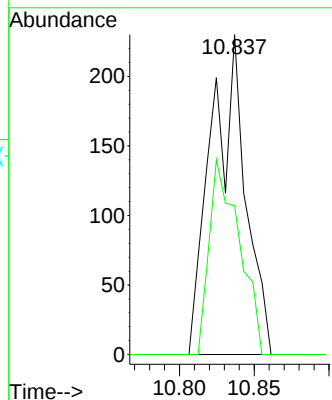
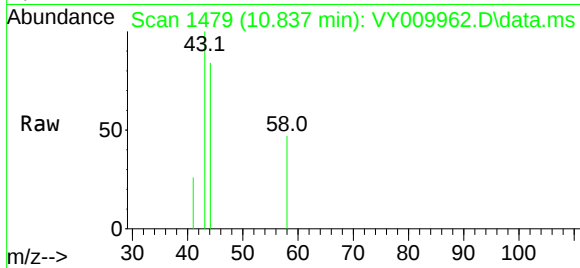




#59
2-Hexanone
Concen: 1.179 ug/l
RT: 10.837 min Scan# 1477
Delta R.T. 0.012 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

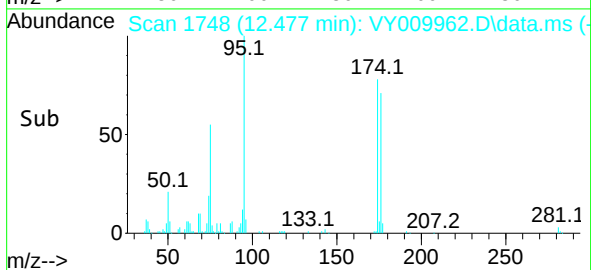
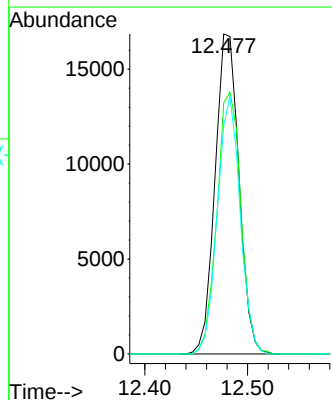
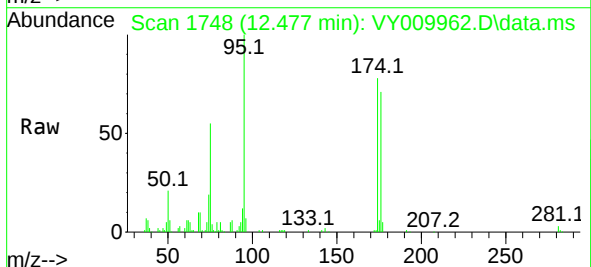
Instrument :
MSVOA_Y
ClientSampleId :
BLDG-4-BASEMENT-DRUM

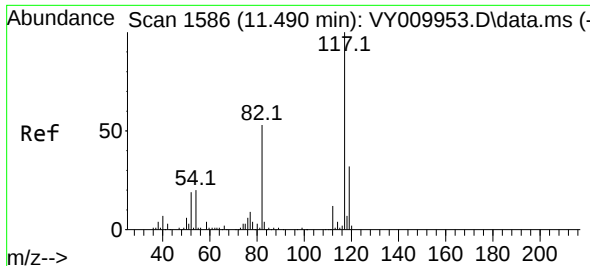
Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
58 53.3 27.6 82.8



#62
4-Bromofluorobenzene
Concen: 42.244 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

Tgt Ion: 95 Resp: 27209
Ion Ratio Lower Upper
95 100
174 82.1 0.0 173.8
176 76.7 0.0 167.0

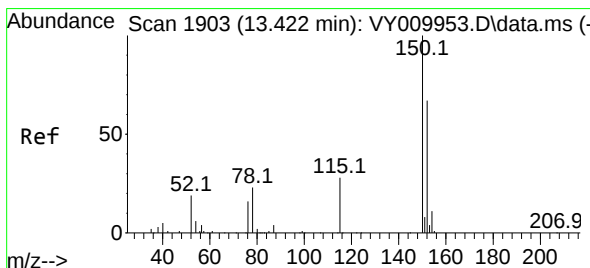
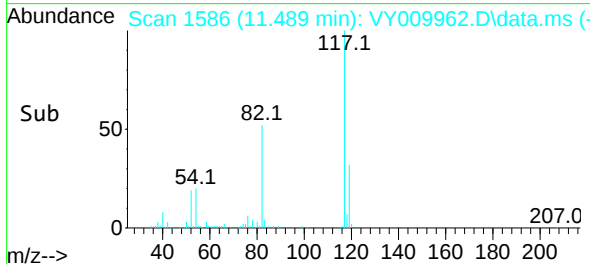
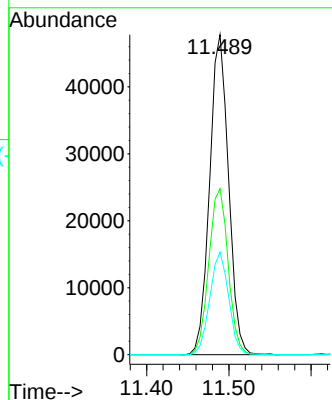
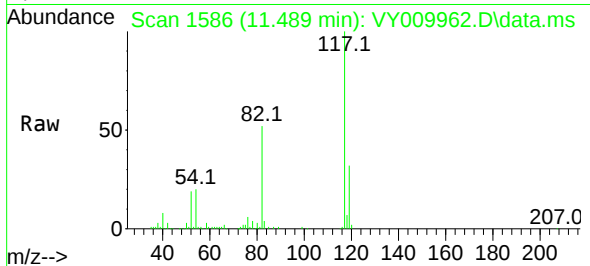




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

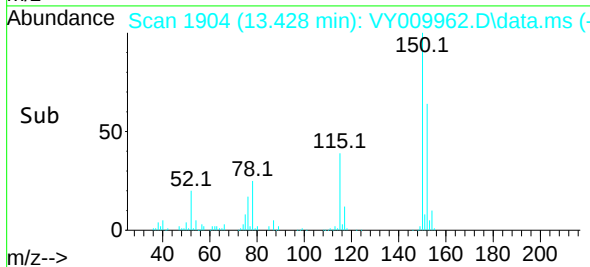
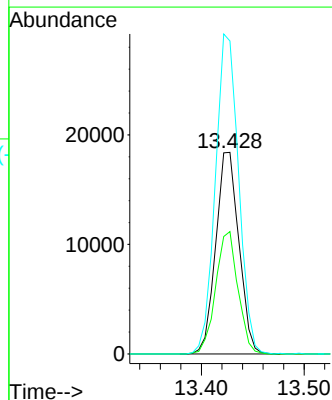
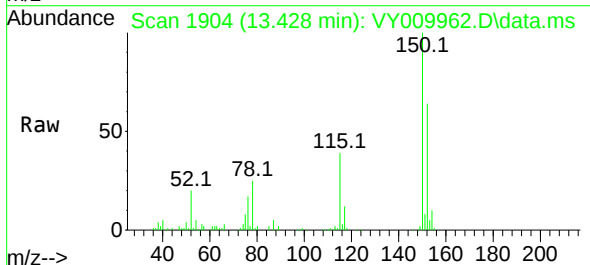
Instrument :
MSVOA_Y
ClientSampleId :
BLDG-4-BASEMENT-DRUM

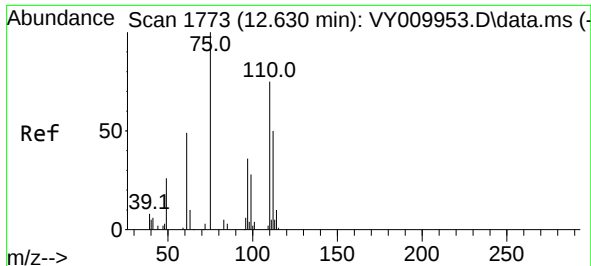
Tgt Ion:	117	Resp:	76426
Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.8	62.6
119	32.0	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

Tgt Ion:	152	Resp:	28797
Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.6	85.9
150	159.2	0.0	349.8

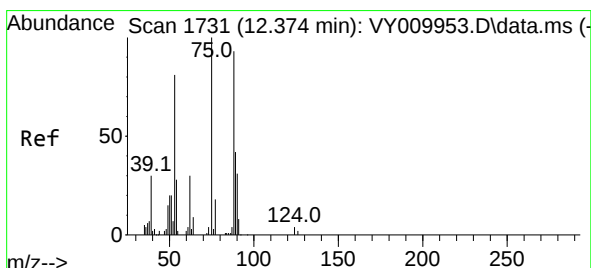
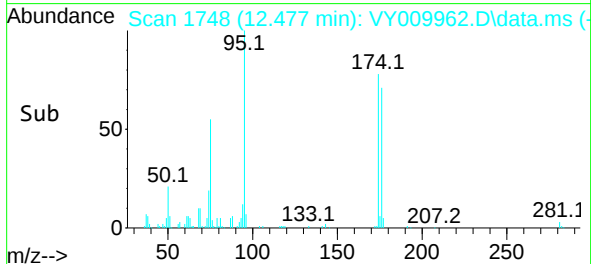
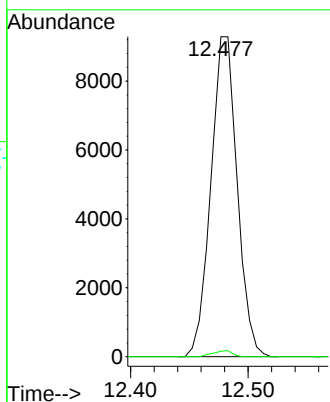
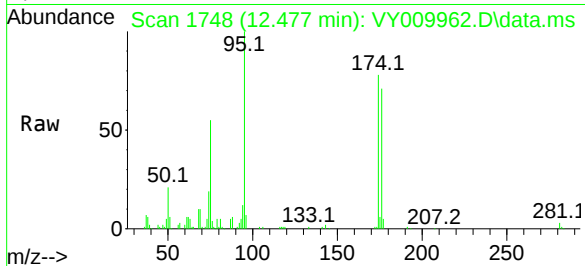




#76
1,2,3-Trichloropropane
Concen: 47.061 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

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

Tgt Ion: 75 Resp: 14468
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.607 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009962.D
Acq: 11 Aug 2022 14:34

Tgt Ion: 75 Resp: 14468
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 38.1 57.1#

