

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008824.D
 Acq On : 18 May 2022 19:13
 Operator : KP/MD
 Sample : N2841-17
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P009-SS003-0612-01

Quant Time: May 19 03:12:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

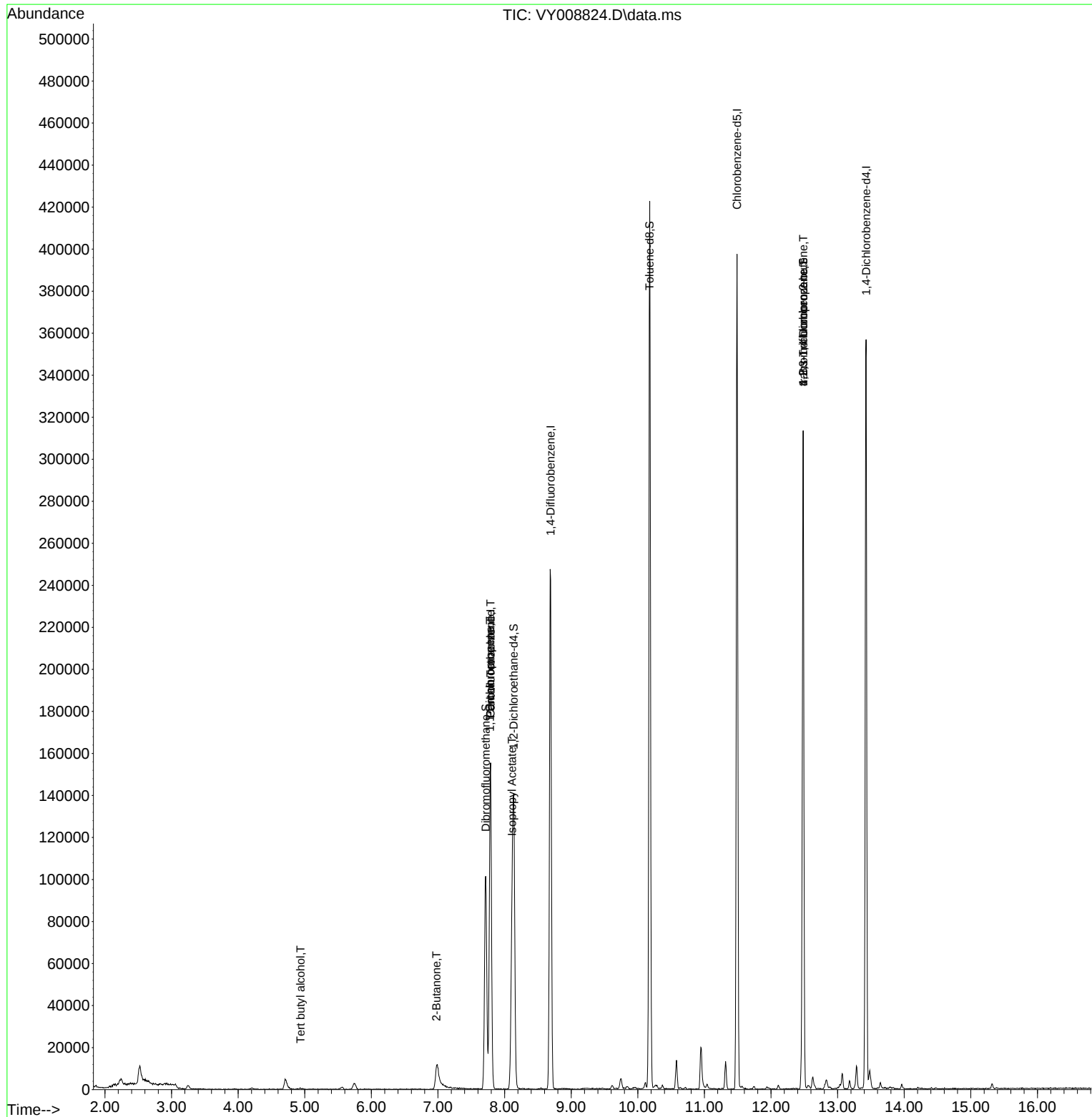
Internal Standards						
1) Pentafluorobenzene	7.789	168	118093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	212543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	203635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	77381	70.632	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.260%	
35) Dibromofluoromethane	7.716	113	69796	56.204	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.400%	
50) Toluene-d8	10.179	98	265637	48.242	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.480%	
62) 4-Bromofluorobenzene	12.483	95	80342	41.428	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.860%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	71	Below Cal	#	4
3) Chloromethane	2.119	50	189	Below Cal	#	44
4) Vinyl Chloride	2.241	62	95	Below Cal	#	43
5) Bromomethane	2.656	94	280	Below Cal	#	48
6) Chloroethane	2.796	64	22	Below Cal	#	43
7) Trichlorofluoromethane	3.113	101	102	Below Cal	#	21
11) Tert butyl alcohol	4.936	59	615	5.079 ug/l	#	77
16) Acetone	3.948	43	373	Below Cal	#	25
18) Methyl Acetate	4.393	43	21	Below Cal	#	56
20) Methylene Chloride	4.710	84	3151	Below Cal	#	83
25) 2-Butanone	6.978	43	853	1.855 ug/l	#	54
31) Cyclohexane	7.783	56	2989	Below Cal	#	29
36) 1,1-Dichloropropene	7.783	75	9904	4.979 ug/l	#	52
38) Carbon Tetrachloride	7.789	117	11879	5.573 ug/l	#	14
43) Isopropyl Acetate	8.112	43	2194	1.112 ug/l	#	3
76) 1,2,3-Trichloropropane	12.483	75	45162	44.194 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45162	96.664 ug/l	#	8

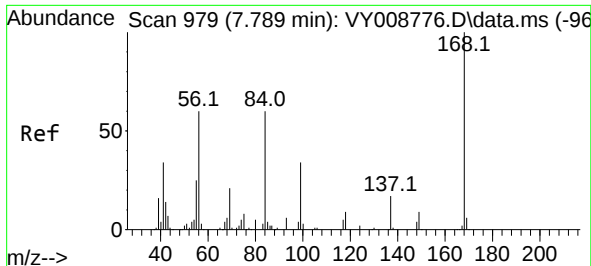
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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P009-SS003-0612-01

Quant Time: May 19 03:12:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 2022
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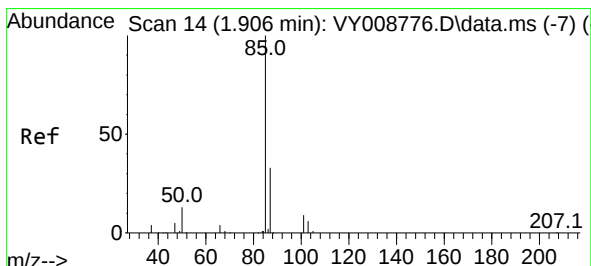
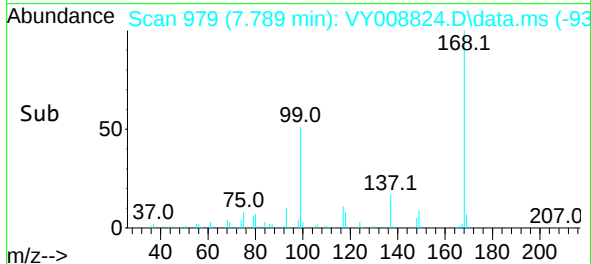
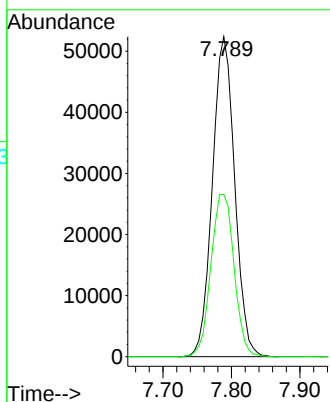
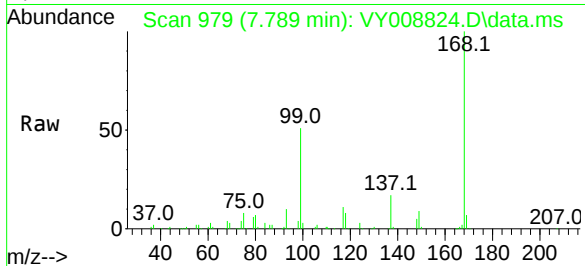




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

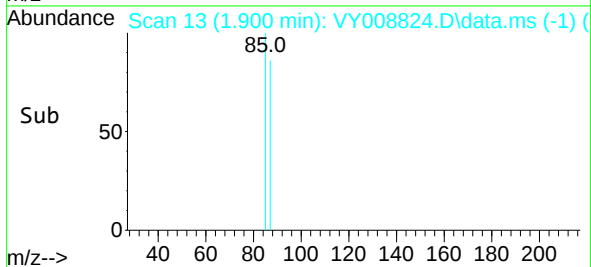
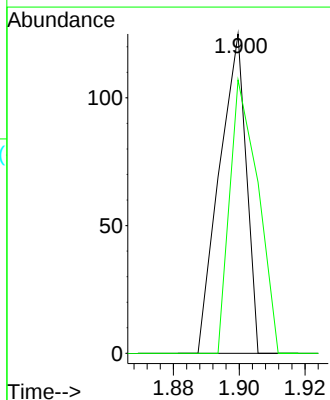
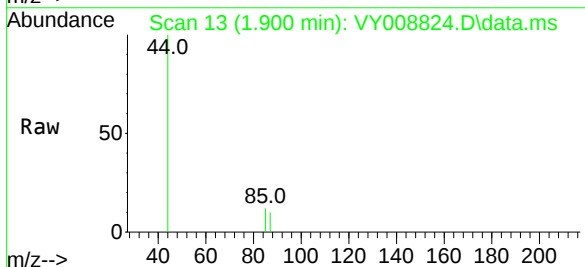
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0612-01

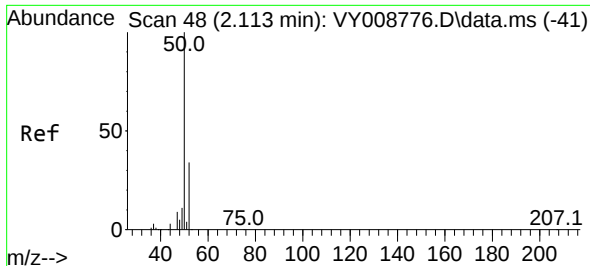
Tgt Ion:168 Resp: 118093
Ion Ratio Lower Upper
168 100
99 50.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

Tgt Ion: 85 Resp: 71
Ion Ratio Lower Upper
85 100
87 85.6 16.1 48.2#

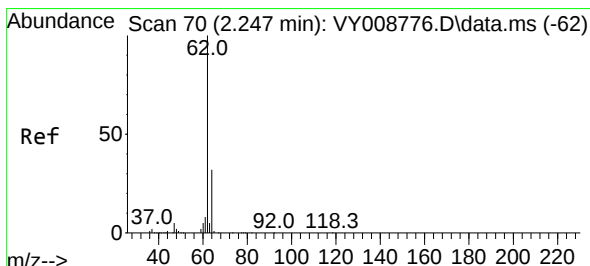
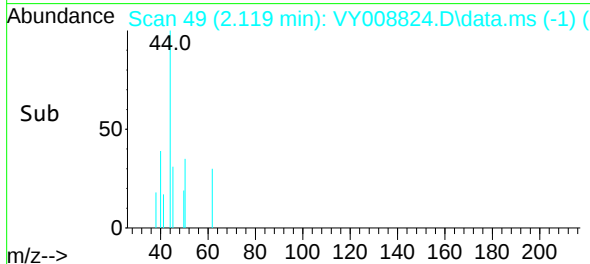
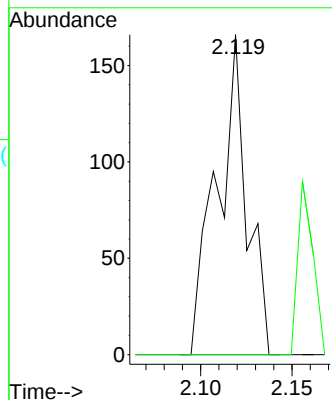
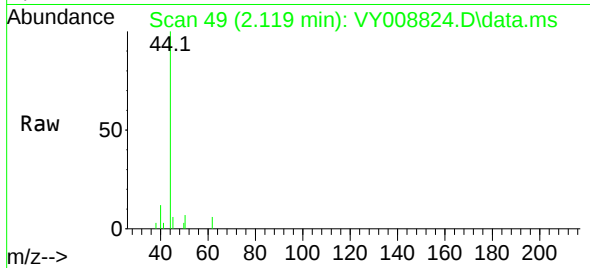




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

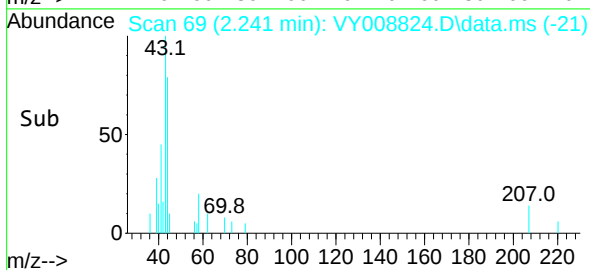
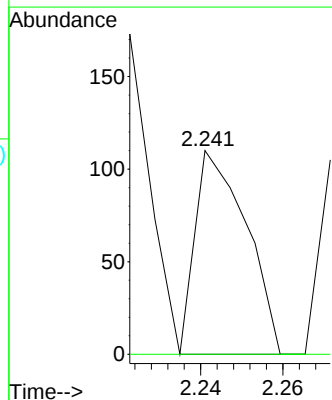
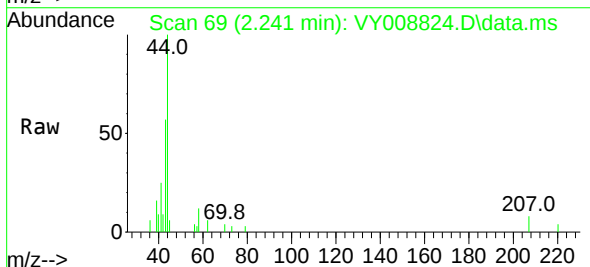
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0612-01

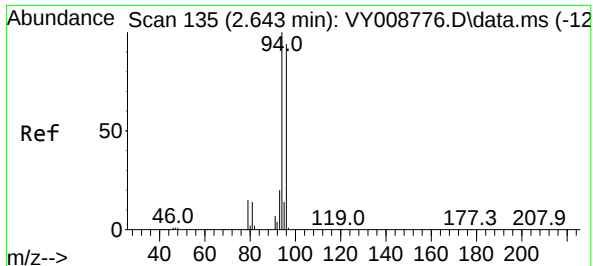
Tgt Ion: 50 Resp: 189
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

Tgt Ion: 62 Resp: 95
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

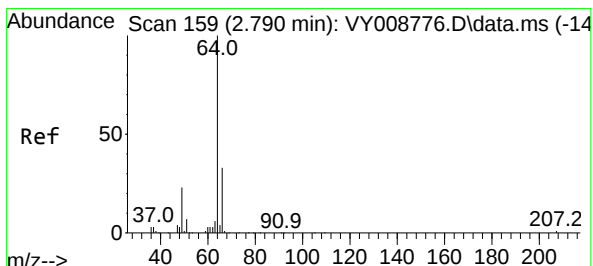
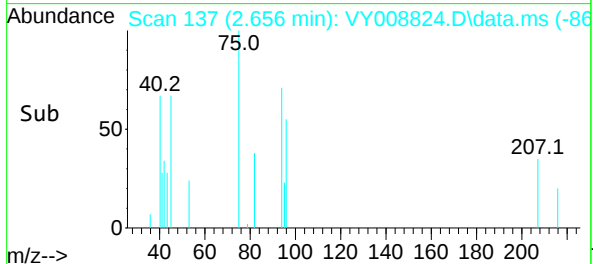
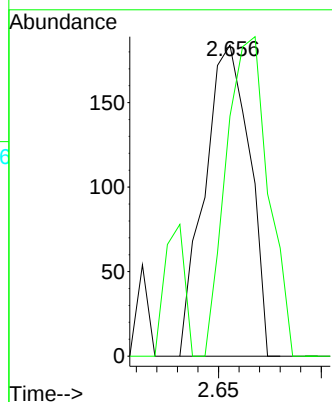
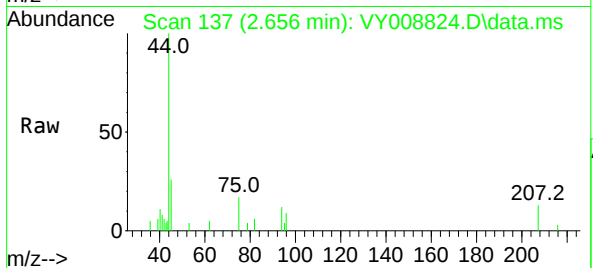




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

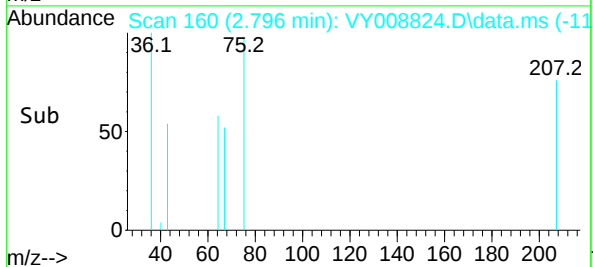
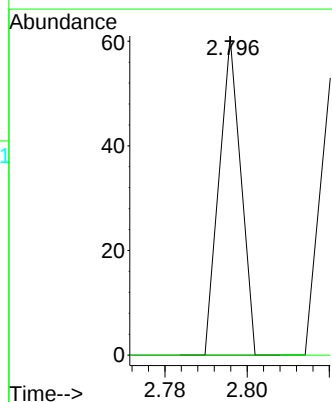
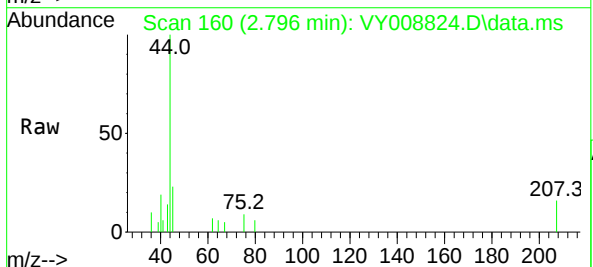
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0612-01

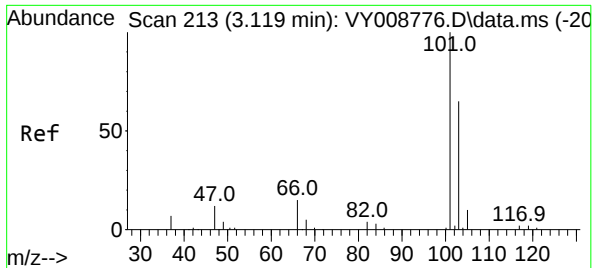
Tgt Ion: 94 Resp: 280
Ion Ratio Lower Upper
94 100
96 42.4 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.796 min Scan# 160
Delta R.T. 0.006 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

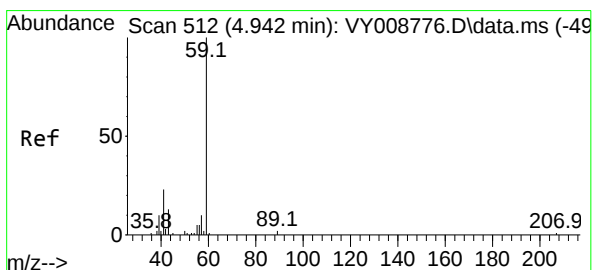
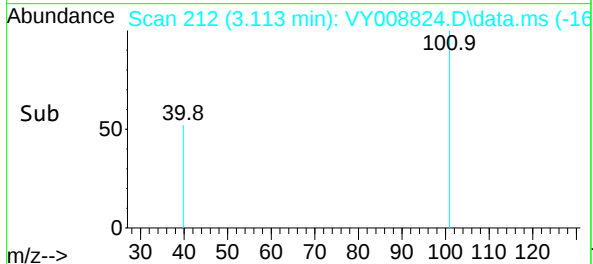
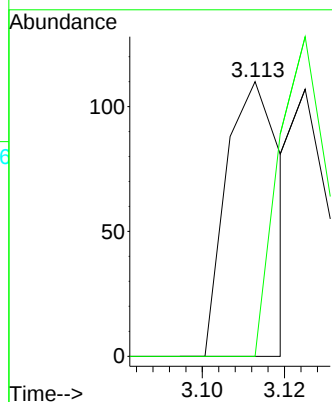
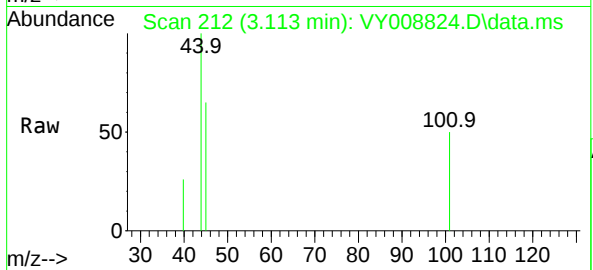




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.113 min Scan# 213
Delta R.T. -0.006 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

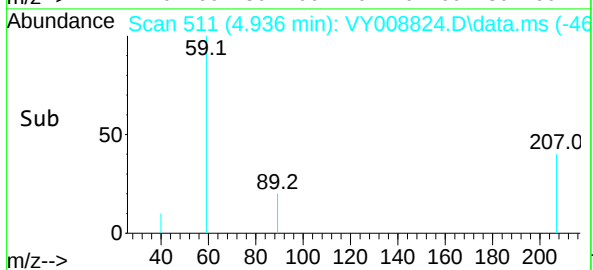
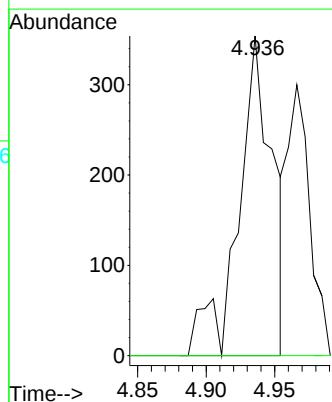
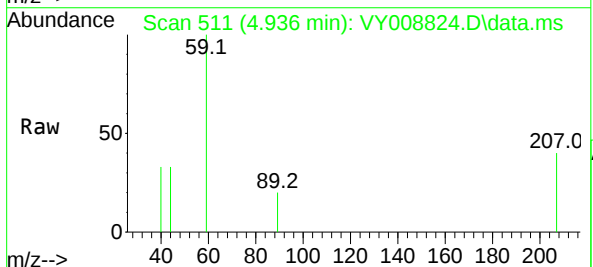
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0612-01

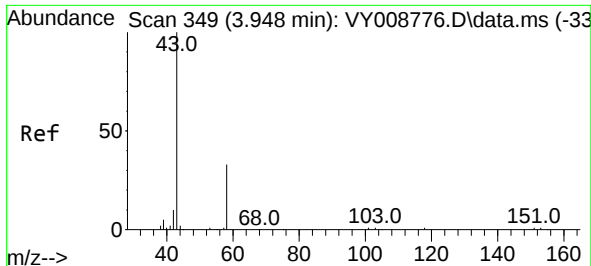
Tgt Ion:101 Resp: 102
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 5.079 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

Tgt Ion: 59 Resp: 615
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

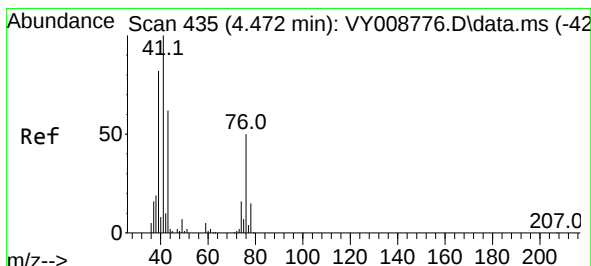
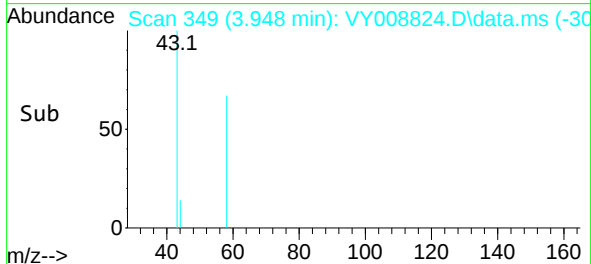
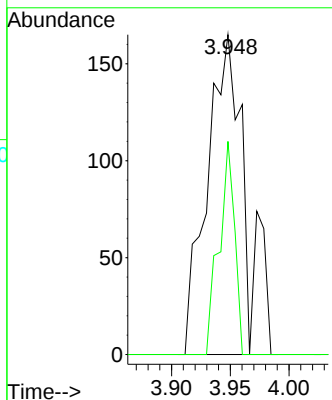
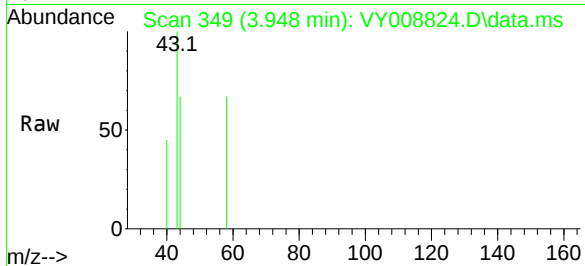




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

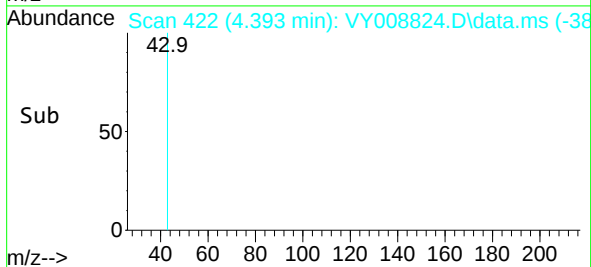
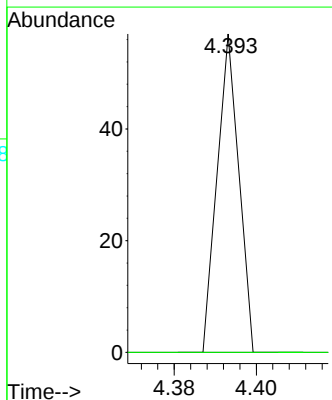
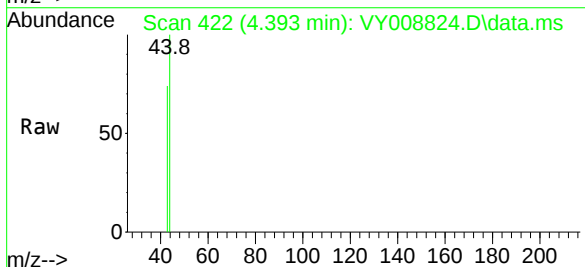
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0612-01

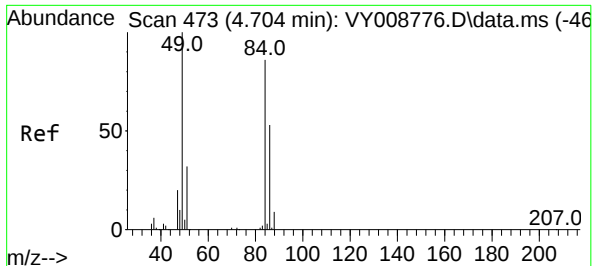
Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
58 66.7 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.393 min Scan# 422
Delta R.T. -0.079 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

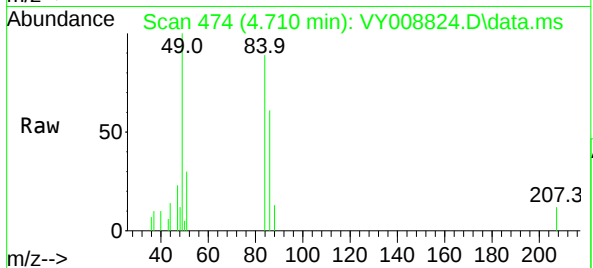
Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



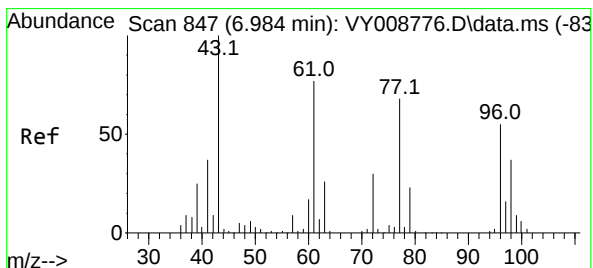
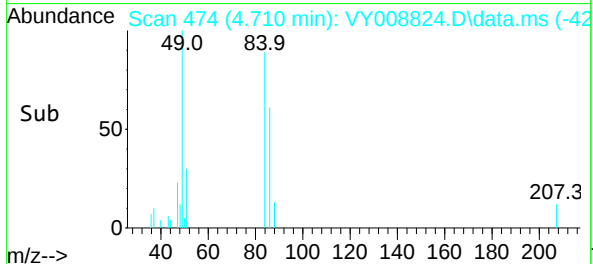
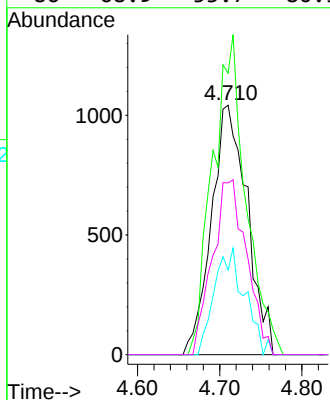


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0612-01

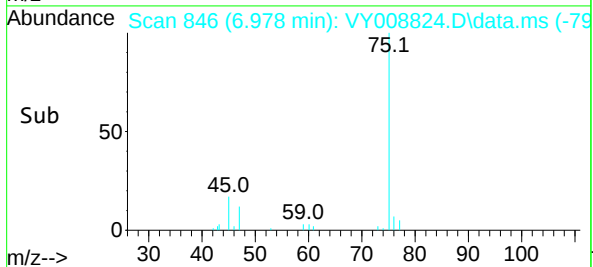
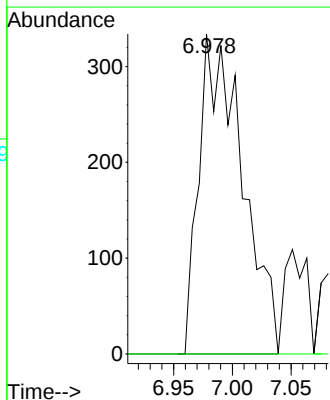
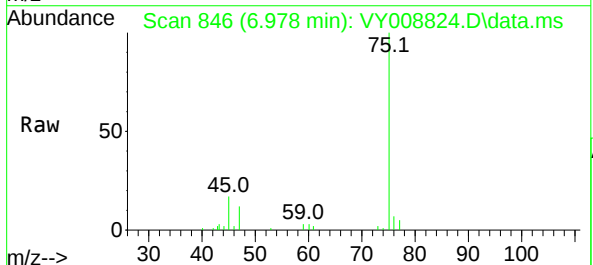


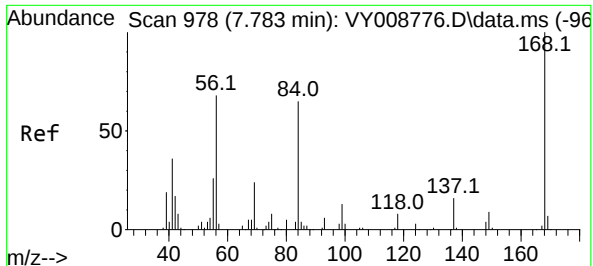
Tgt Ion: 84 Resp: 3151
Ion Ratio Lower Upper
84 100
49 112.9 114.4 171.6#
51 33.9 35.3 52.9#
86 68.9 53.7 80.5



#25
2-Butanone
Concen: 1.855 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

Tgt Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

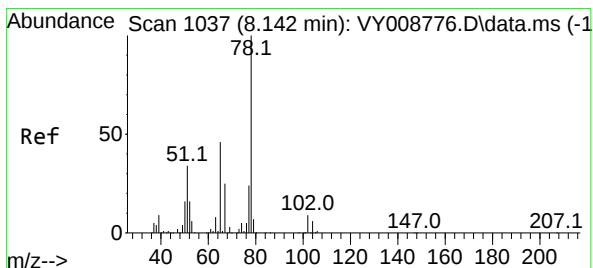
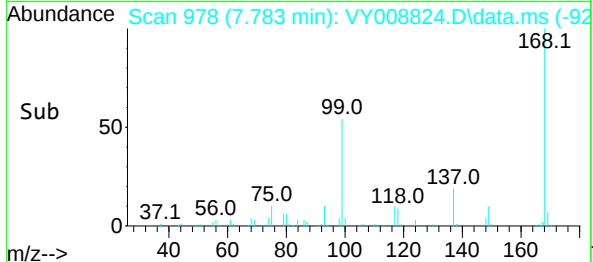
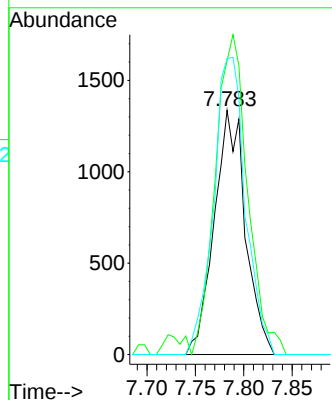
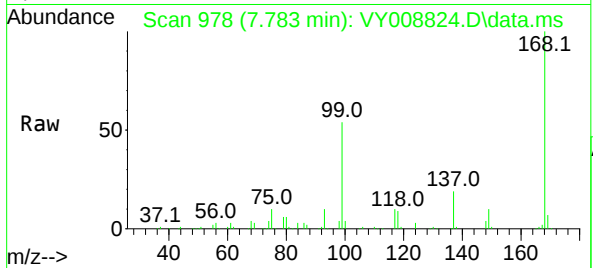




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

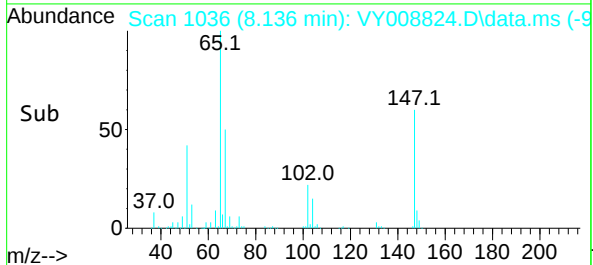
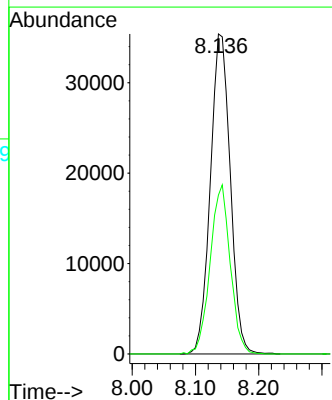
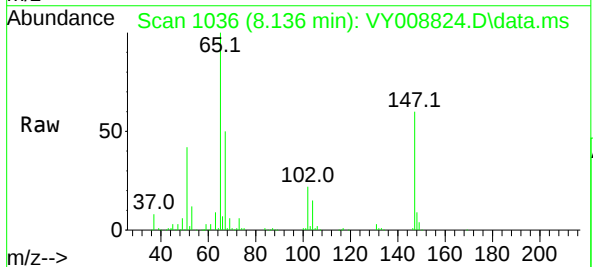
Instrument :
MSVOA_Y
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P009-SS003-0612-01

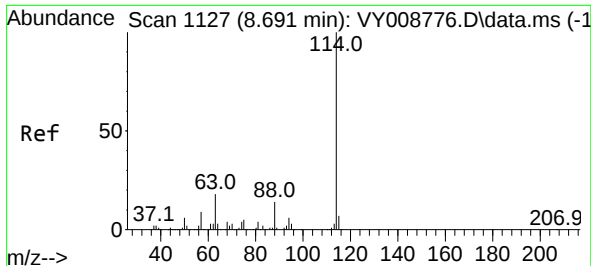
Tgt Ion: 56 Resp: 2989
Ion Ratio Lower Upper
56 100
69 116.1 26.7 40.1#
84 121.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 70.632 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

Tgt Ion: 65 Resp: 77381
Ion Ratio Lower Upper
65 100
67 53.4 0.0 99.4

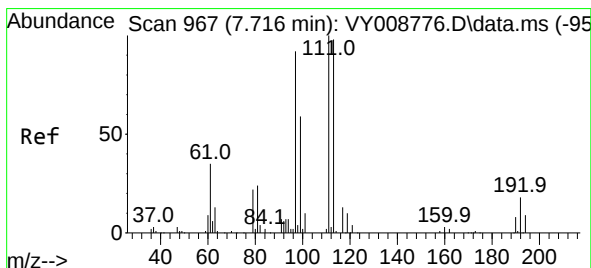
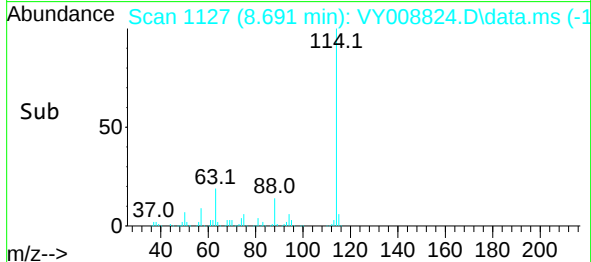
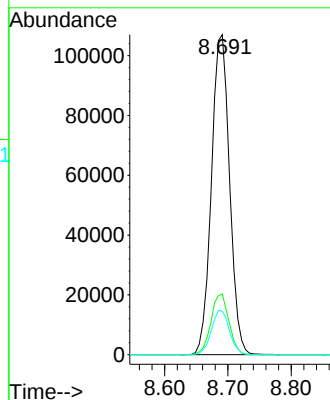
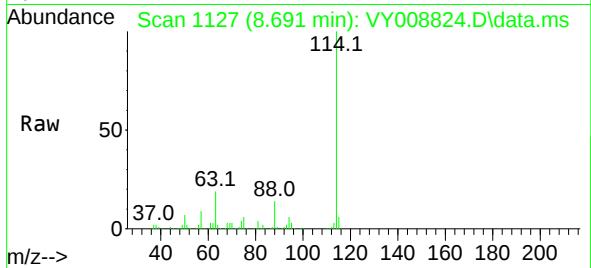




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

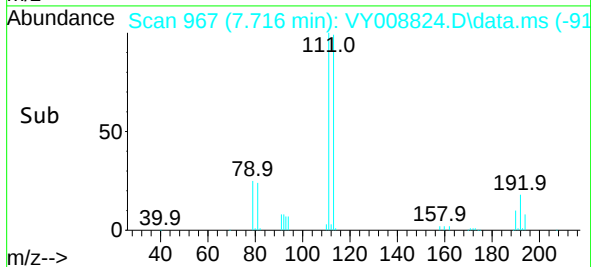
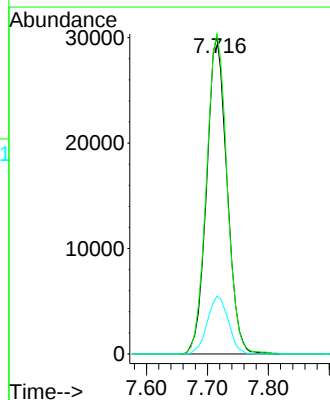
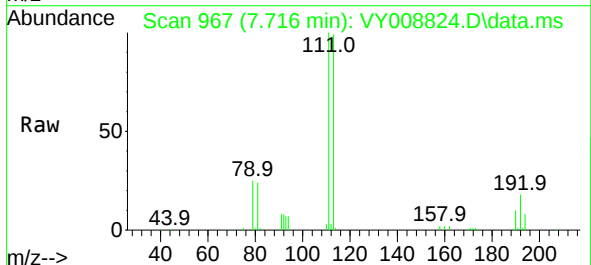
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0612-01

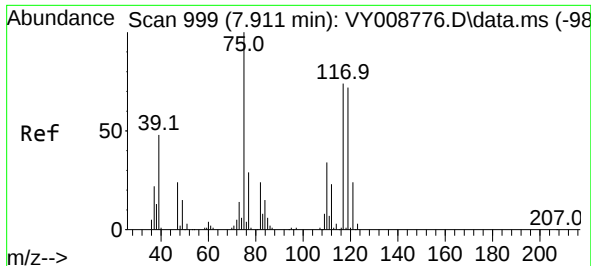
Tgt Ion:	114	Resp:	212543
Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	43.2
88	13.6	0.0	31.8



#35
Dibromofluoromethane
Concen: 56.204 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

Tgt Ion:	113	Resp:	69796
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	124.0
192	18.8	17.6	26.4





#36

1,1-Dichloropropene

Concen: 4.979 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008824.D

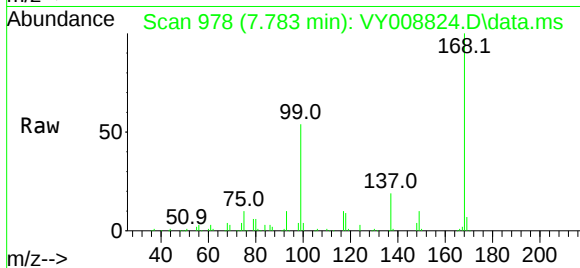
Acq: 18 May 2022 19:13

Instrument :

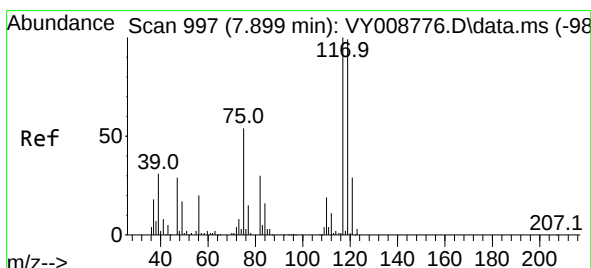
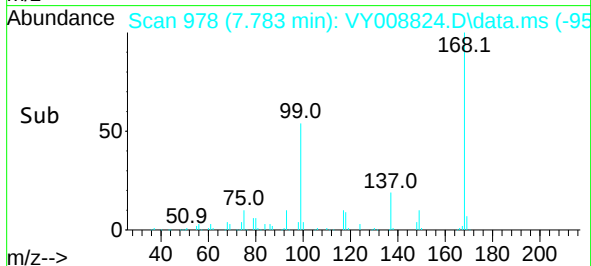
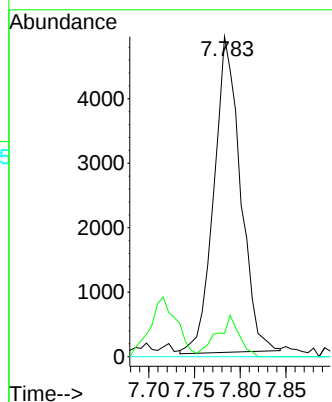
MSVOA_Y

ClientSampleId :

P009-SS003-0612-01



Tgt Ion:	75	Resp:	9904
Ion Ratio	Lower	Upper	
75	100		
110	10.9	17.1	51.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.573 ug/l

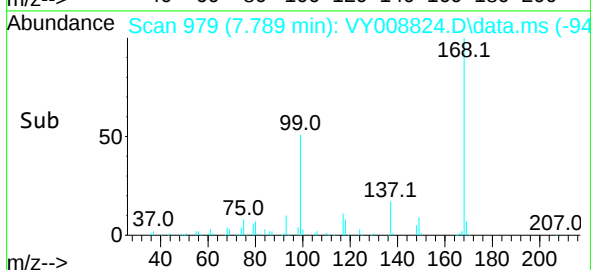
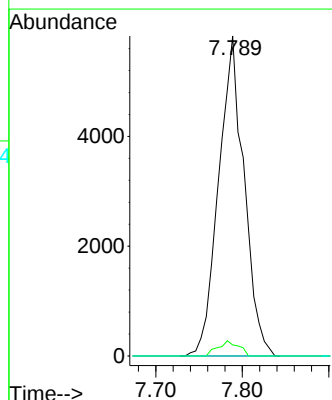
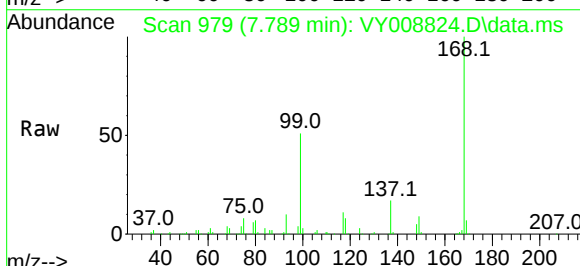
RT: 7.789 min Scan# 979

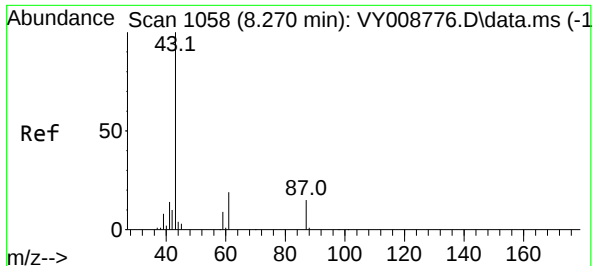
Delta R.T. -0.110 min

Lab File: VY008824.D

Acq: 18 May 2022 19:13

Tgt Ion:	117	Resp:	11879
Ion Ratio	Lower	Upper	
117	100		
119	3.4	77.9	116.9#
121	0.0	24.8	37.2#

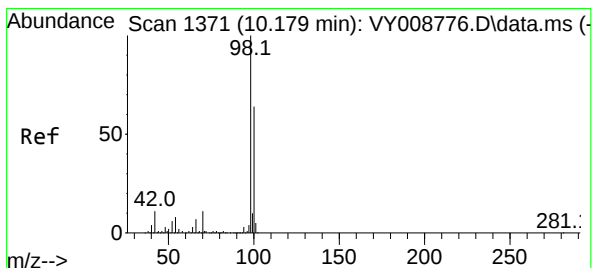
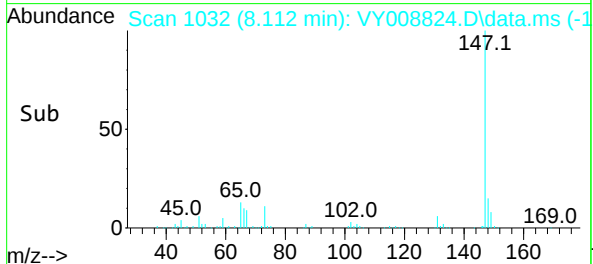
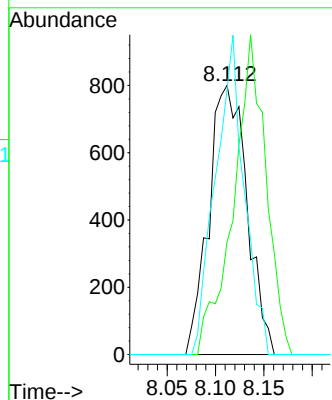
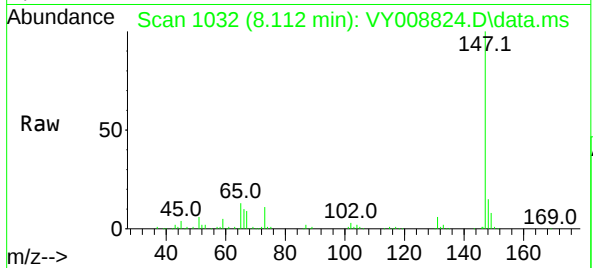




#43
Isopropyl Acetate
Concen: 1.112 ug/l
RT: 8.112 min Scan# 1032
Delta R.T. -0.159 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

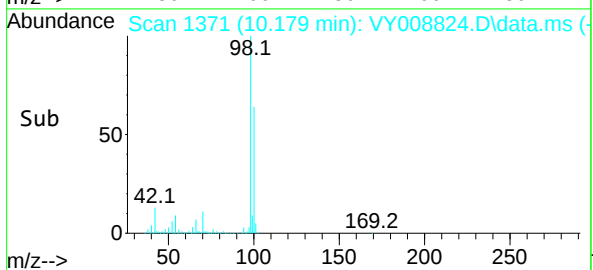
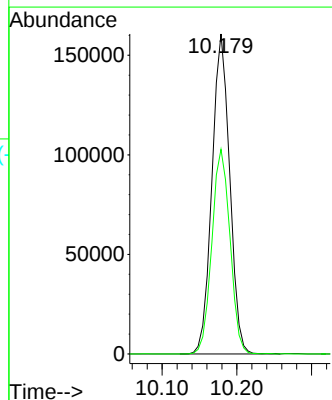
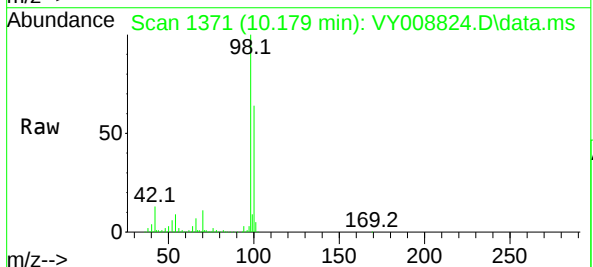
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0612-01

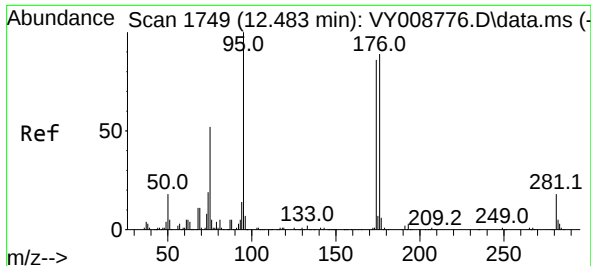
Tgt Ion: 43 Resp: 2194
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 89.1 8.9 13.3#



#50
Toluene-d8
Concen: 48.242 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

Tgt Ion: 98 Resp: 265637
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2

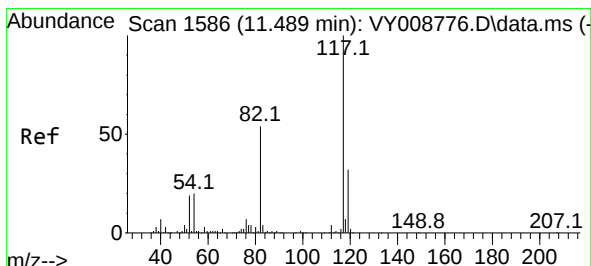
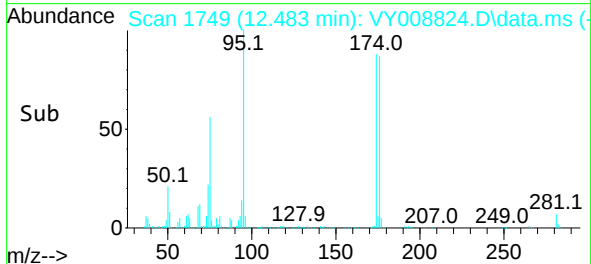
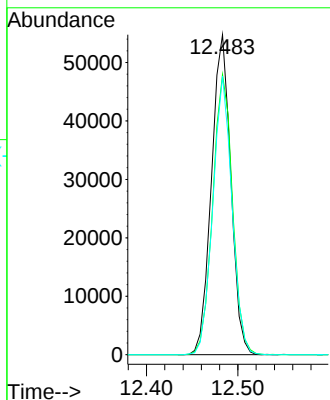
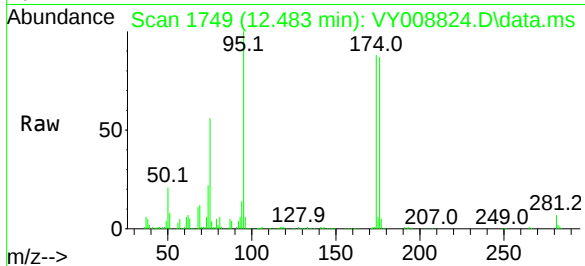




#62
4-Bromofluorobenzene
Concen: 41.428 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

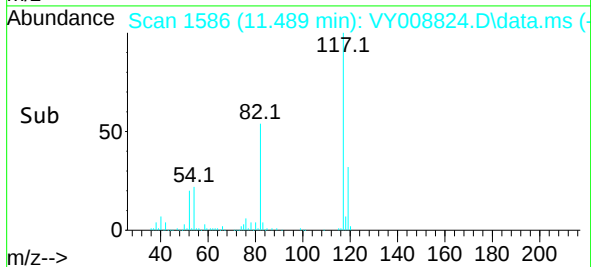
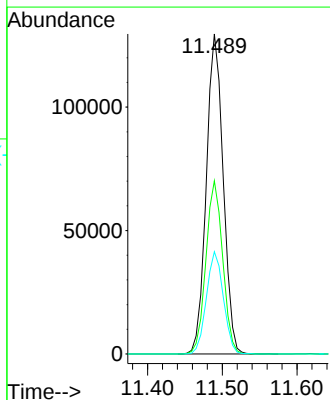
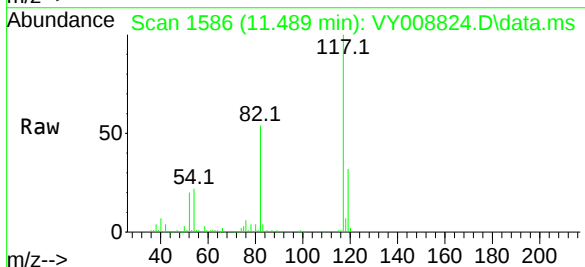
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0612-01

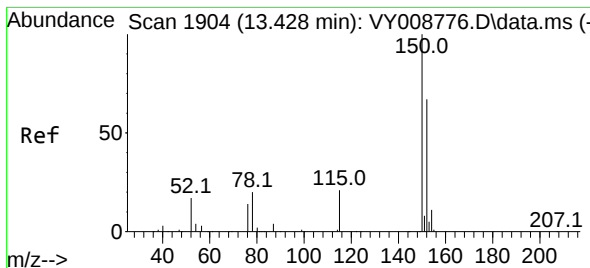
Tgt Ion: 95 Resp: 80342
Ion Ratio Lower Upper
95 100
174 89.5 0.0 177.0
176 86.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008824.D
Acq: 18 May 2022 19:13

Tgt Ion: 117 Resp: 203635
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 32.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY008824.D

Acq: 18 May 2022 19:13

Instrument :

MSVOA_Y

ClientSampleId :

P009-SS003-0612-01

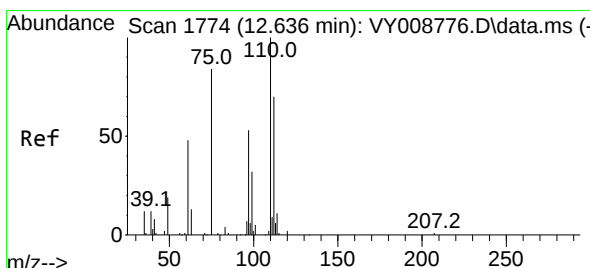
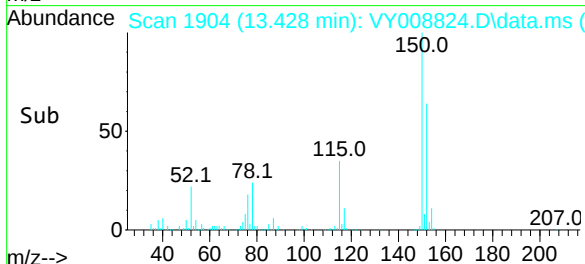
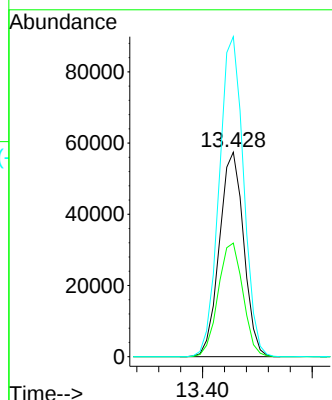
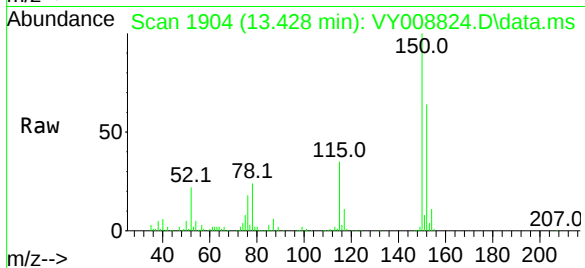
Tgt Ion:152 Resp: 88466

Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.7

150 157.2 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 44.194 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008824.D

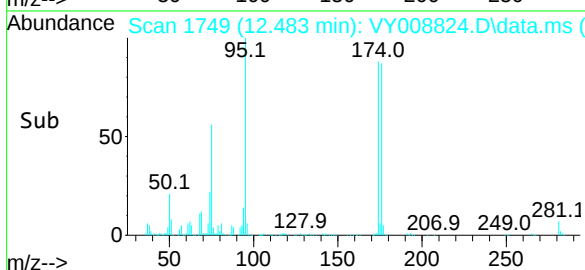
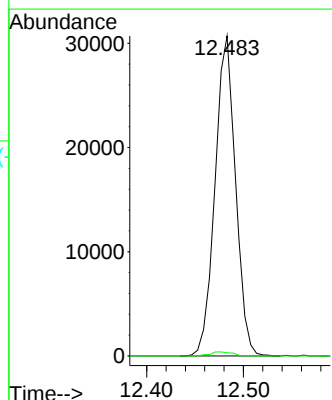
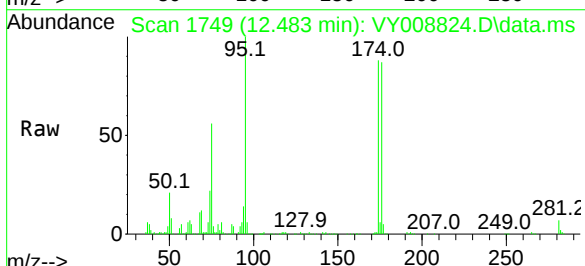
Acq: 18 May 2022 19:13

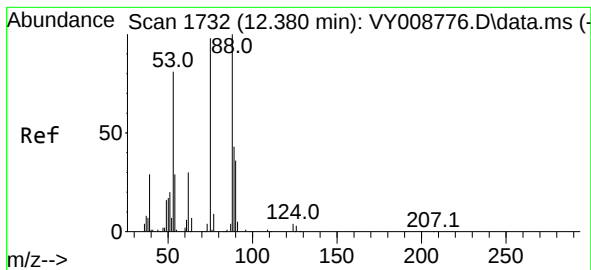
Tgt Ion: 75 Resp: 45162

Ion Ratio Lower Upper

75 100

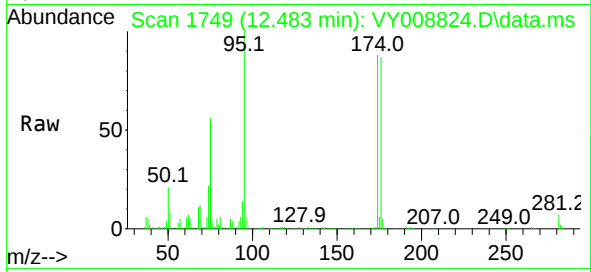
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.664 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008824.D
 Acq: 18 May 2022 19:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 P009-SS003-0612-01



Tgt Ion: 75 Resp: 45162
 Ion Ratio Lower Upper
 75 100
 53 0.9 85.3 127.9#
 89 0.0 37.0 55.4#

