

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014212.D
 Acq On : 16 Jun 2023 18:44
 Operator : KP/MD
 Sample : 03235-05
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-ANDREWRE

Quant Time: Jun 16 23:24:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

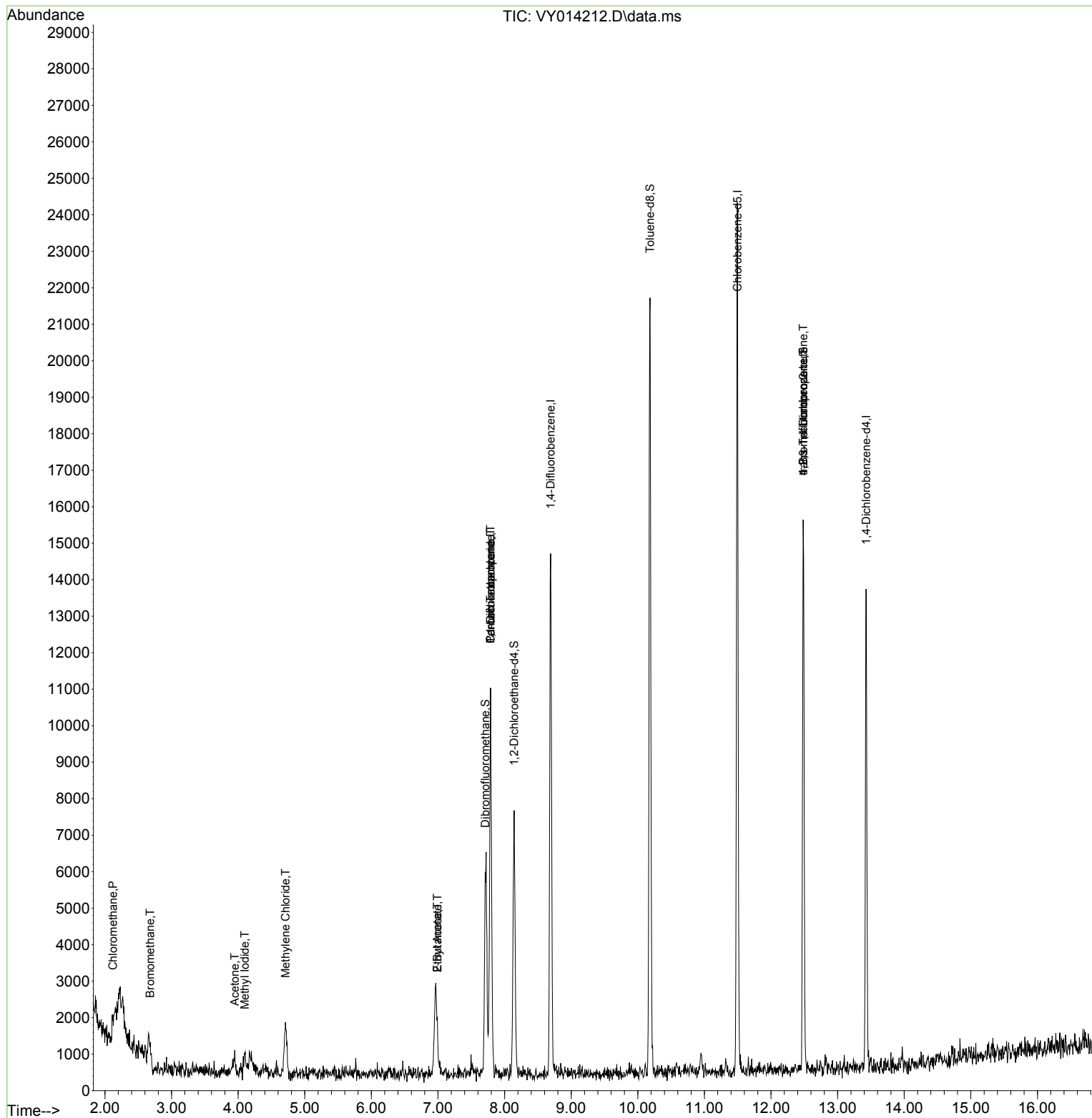
Internal Standards						
1) Pentafluorobenzene	7.789	168	7942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	12200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	12465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	5625	50.862	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.720%
35) Dibromofluoromethane	7.709	113	4262	49.260	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.520%
50) Toluene-d8	10.185	98	15254	47.159	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.320%
62) 4-Bromofluorobenzene	12.483	95	4545	39.555	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	253	2.254	ug/l #	77
5) Bromomethane	2.680	94	399	4.432	ug/l #	68
10) Methyl Iodide	4.100	142	916	7.754	ug/l #	70
11) Tert butyl alcohol	4.875	59	22	Below Cal	#	89
16) Acetone	3.948	43	665	19.948	ug/l	100
20) Methylene Chloride	4.710	84	1028	6.543	ug/l #	67
25) 2-Butanone	6.990	43	104	2.534	ug/l #	49
36) 1,1-Dichloropropene	7.789	75	702	5.204	ug/l #	41
37) Ethyl Acetate	6.990	43	104	1.117	ug/l #	48
38) Carbon Tetrachloride	7.789	117	759	4.876	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	2208	45.857	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2208	99.125	ug/l #	10

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

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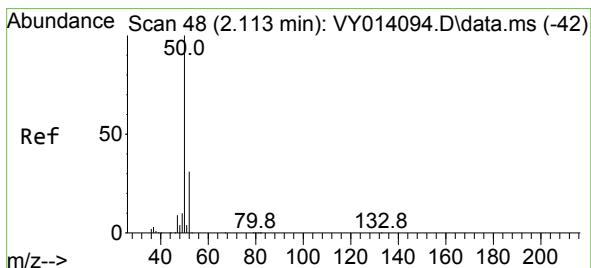
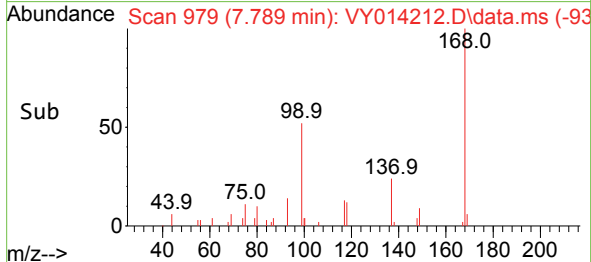
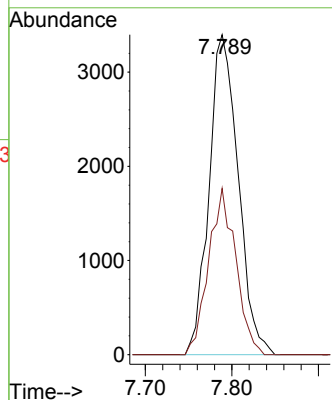
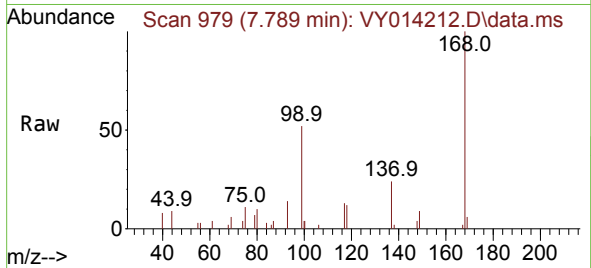




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014212.D
Acq: 16 Jun 2023 18:44

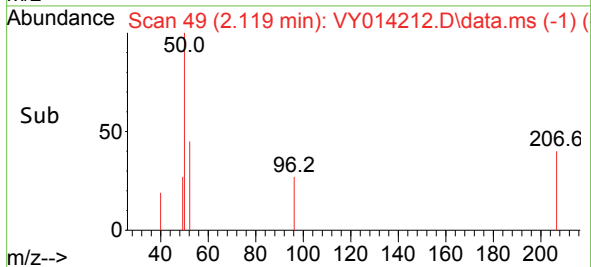
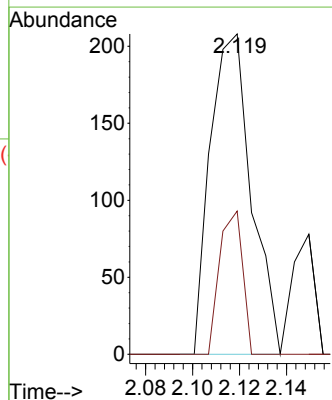
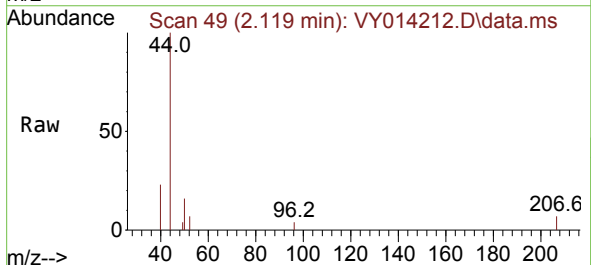
Instrument :
MSVOA_Y
ClientSampleId :
C-ANDREWRE

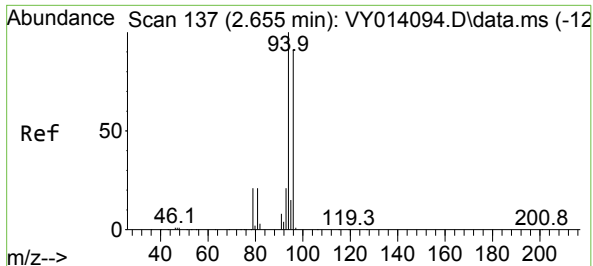
Tgt Ion:168 Resp: 7942
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#3
Chloromethane
Concen: 2.254 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY014212.D
Acq: 16 Jun 2023 18:44

Tgt Ion: 50 Resp: 253
Ion Ratio Lower Upper
50 100
52 44.7 25.4 38.2#

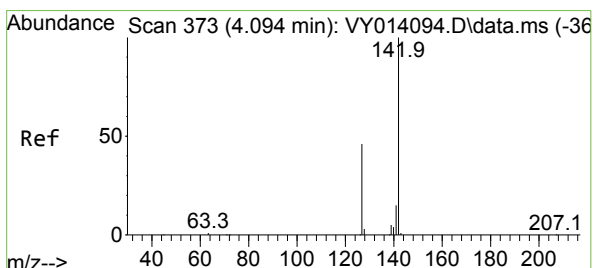
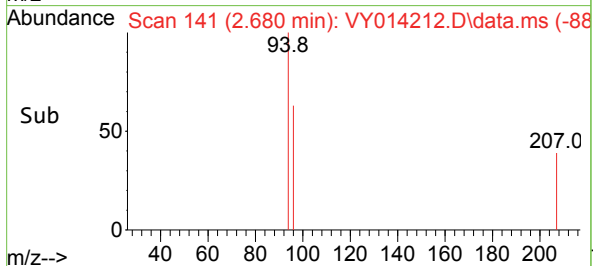
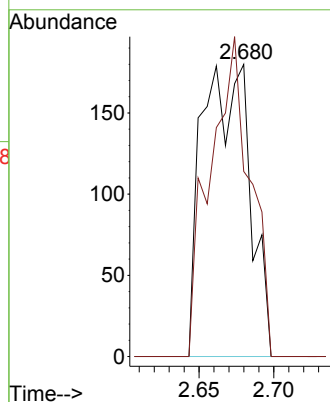
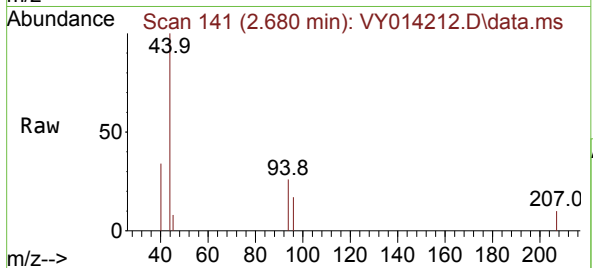




#5
Bromomethane
Concen: 4.432 ug/l
RT: 2.680 min Scan# 141
Delta R.T. 0.025 min
Lab File: VY014212.D
Acq: 16 Jun 2023 18:44

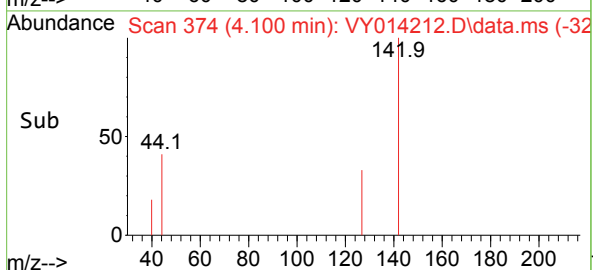
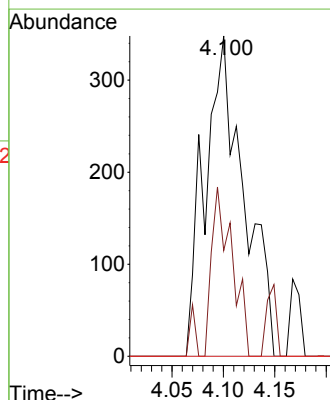
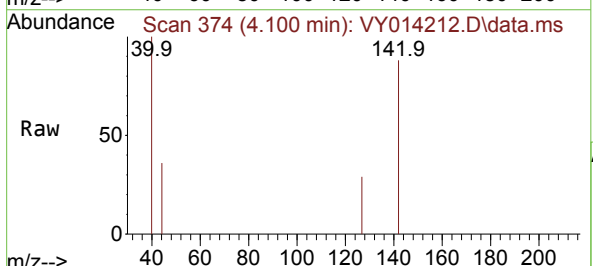
Instrument :
MSVOA_Y
ClientSampleId :
C-ANDREWRE

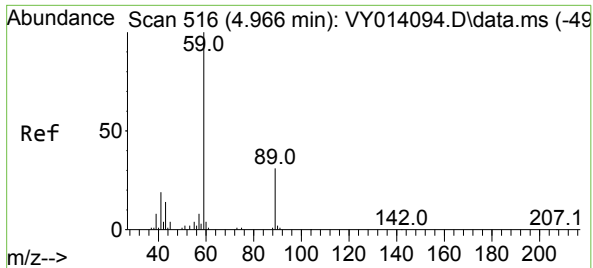
Tgt Ion: 94 Resp: 399
Ion Ratio Lower Upper
94 100
96 63.3 75.8 113.6#



#10
Methyl Iodide
Concen: 7.754 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY014212.D
Acq: 16 Jun 2023 18:44

Tgt Ion:142 Resp: 916
Ion Ratio Lower Upper
142 100
127 27.8 37.6 56.4#
141 0.0 11.8 17.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.875 min Scan# 501

Delta R.T. -0.091 min

Lab File: VY014212.D

Acq: 16 Jun 2023 18:44

Instrument :

MSVOA_Y

ClientSampleId :

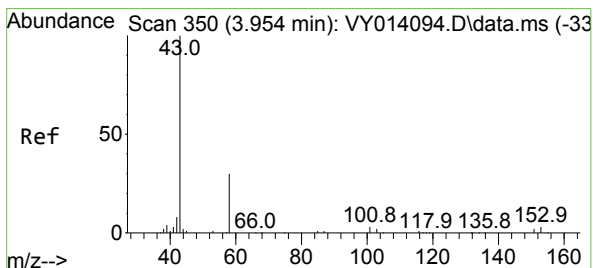
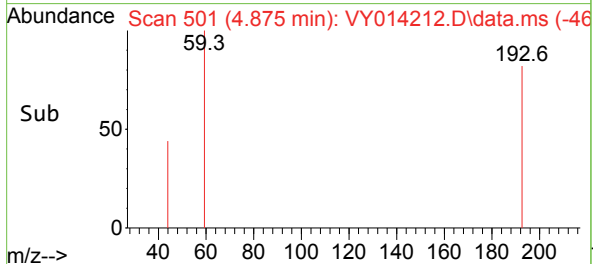
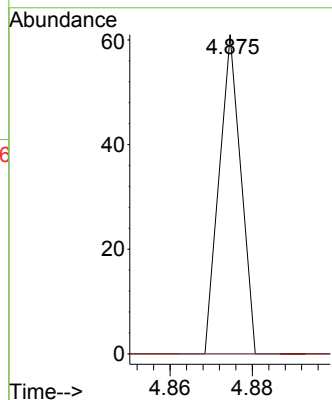
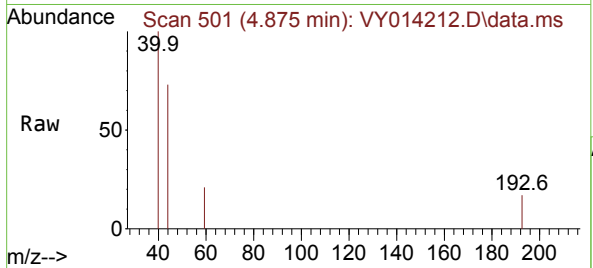
C-ANDREWRE

Tgt Ion: 59 Resp: 22

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 19.948 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY014212.D

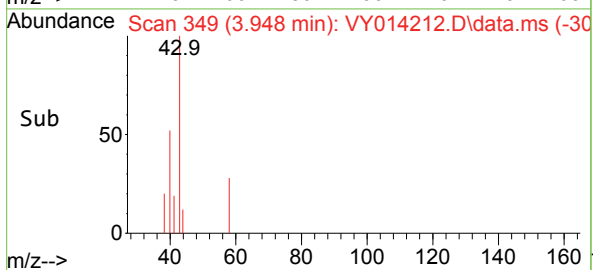
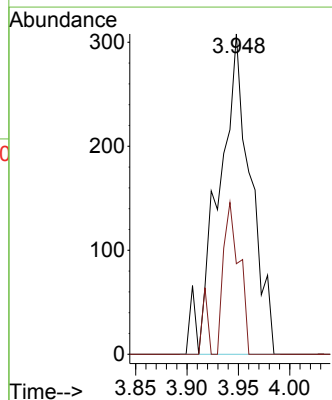
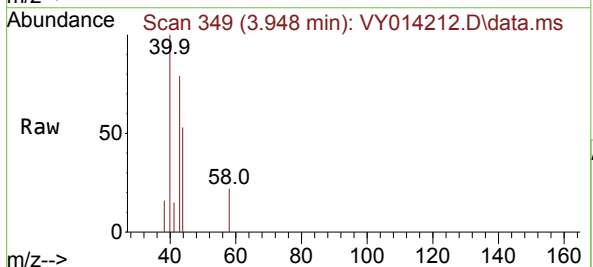
Acq: 16 Jun 2023 18:44

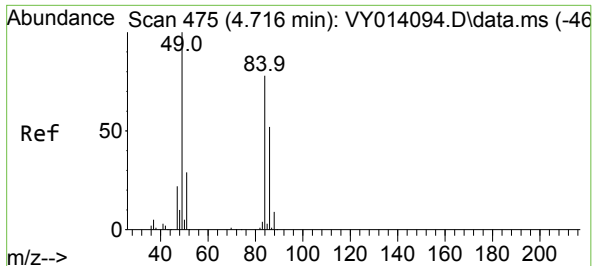
Tgt Ion: 43 Resp: 665

Ion Ratio Lower Upper

43 100

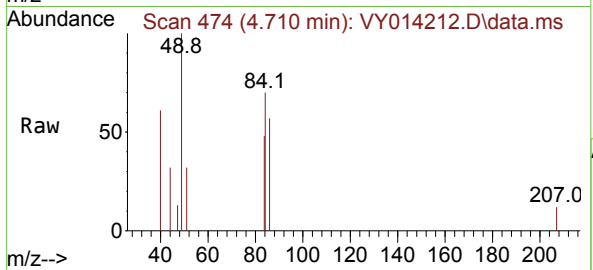
58 28.2 22.7 34.1



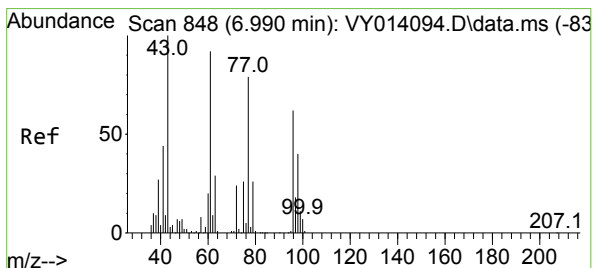
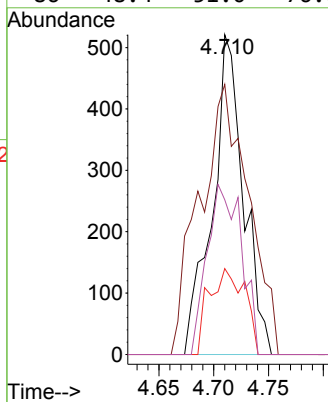
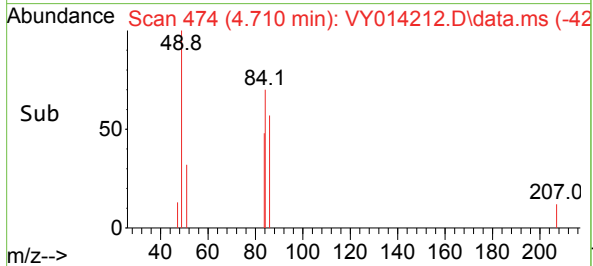


#20
Methylene Chloride
Concen: 6.543 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014212.D
Acq: 16 Jun 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :
C-ANDREWRE

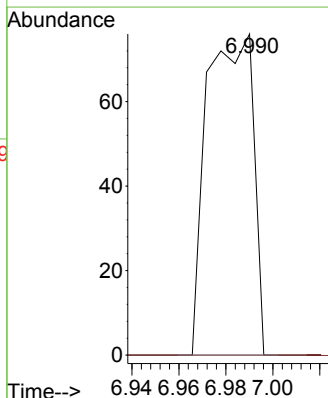
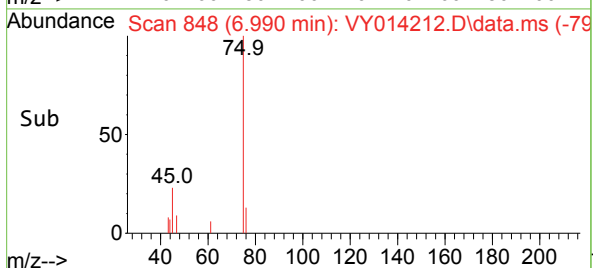
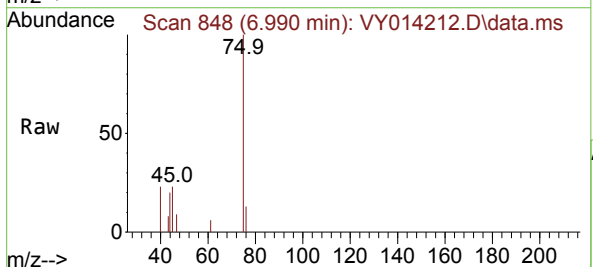


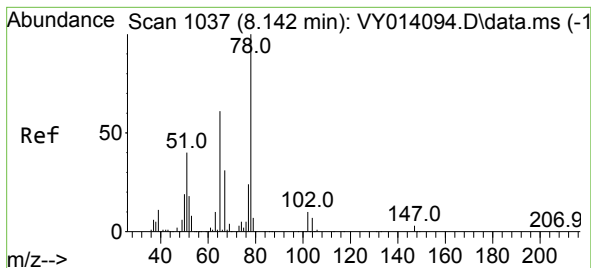
Tgt Ion: 84 Resp: 1028
Ion Ratio Lower Upper
84 100
49 84.5 106.9 160.3#
51 26.9 33.2 49.8#
86 48.4 51.0 76.6#



#25
2-Butanone
Concen: 2.534 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014212.D
Acq: 16 Jun 2023 18:44

Tgt Ion: 43 Resp: 104
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 50.862 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY014212.D

Acq: 16 Jun 2023 18:44

Instrument :

MSVOA_Y

ClientSampleId :

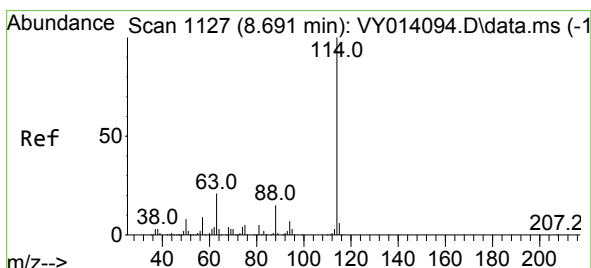
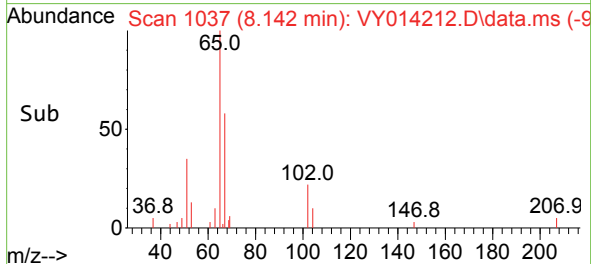
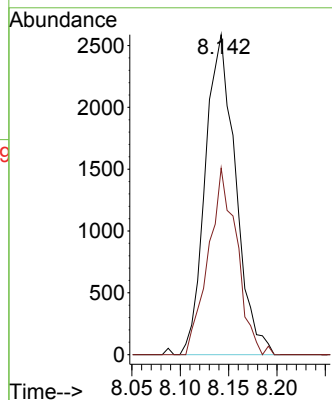
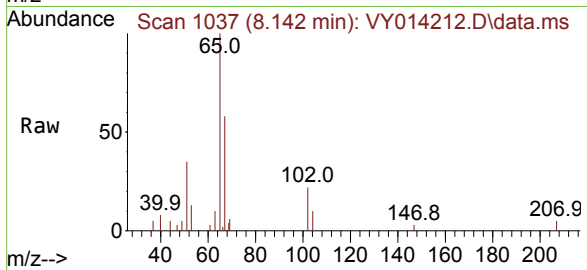
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Tgt Ion: 65 Resp: 5625

Ion Ratio Lower Upper

65 100

67 54.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY014212.D

Acq: 16 Jun 2023 18:44

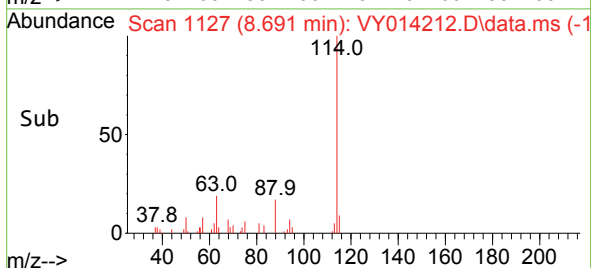
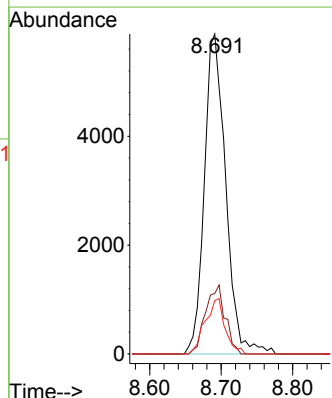
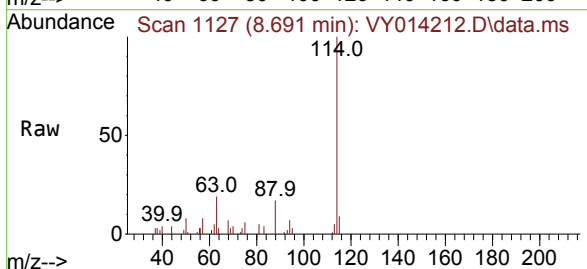
Tgt Ion: 114 Resp: 12200

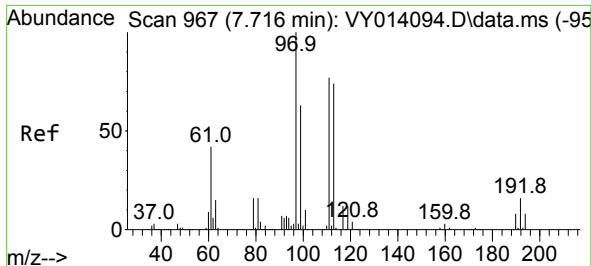
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 16.7 0.0 30.6

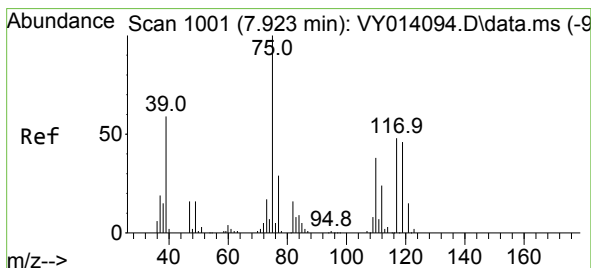
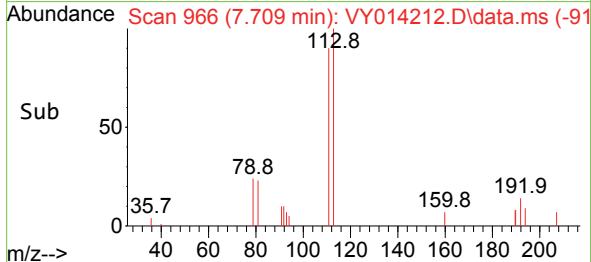
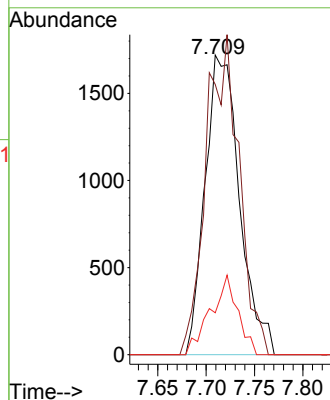
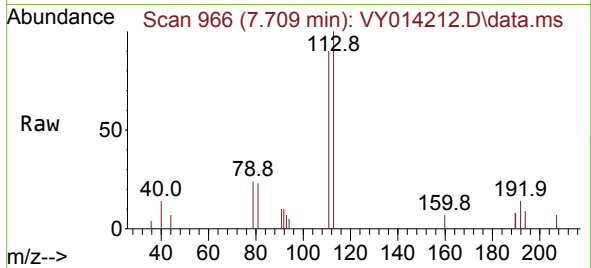




#35
Dibromofluoromethane
Concen: 49.260 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.007 min
Lab File: VY014212.D
Acq: 16 Jun 2023 18:44

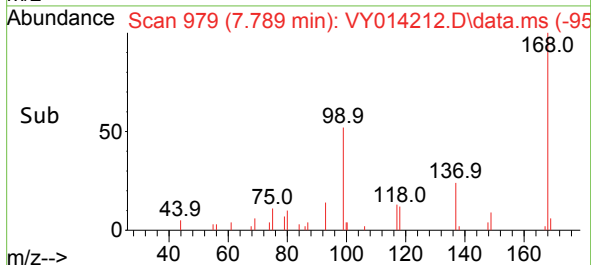
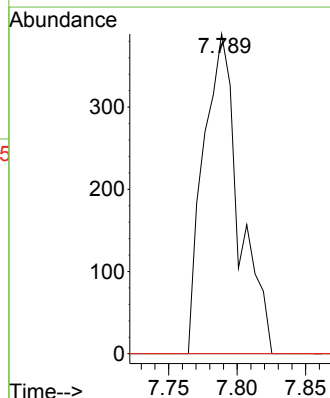
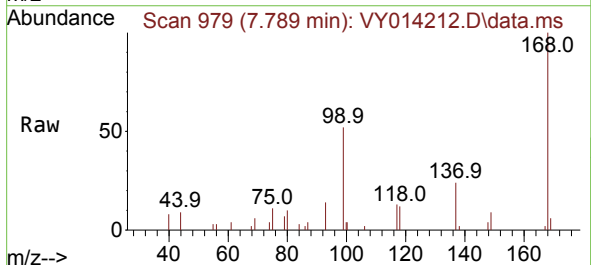
Instrument :
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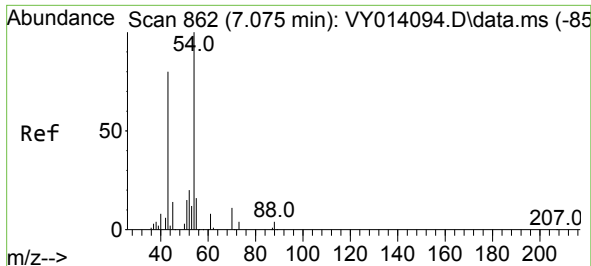
Tgt Ion:113 Resp: 4262
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 20.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.204 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014212.D
Acq: 16 Jun 2023 18:44

Tgt Ion: 75 Resp: 702
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 24.4 36.6#

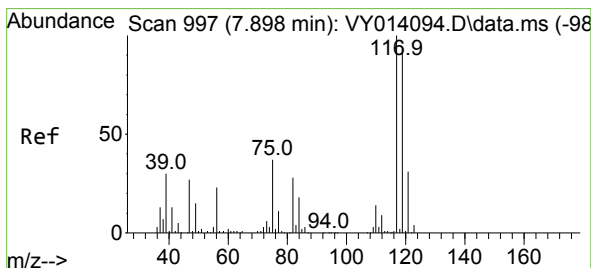
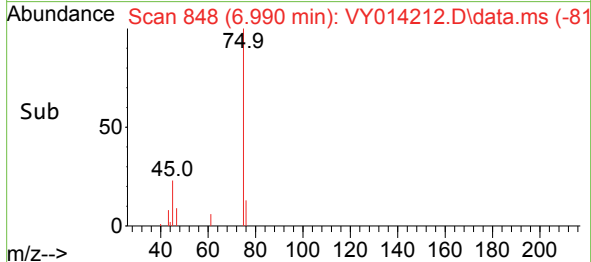
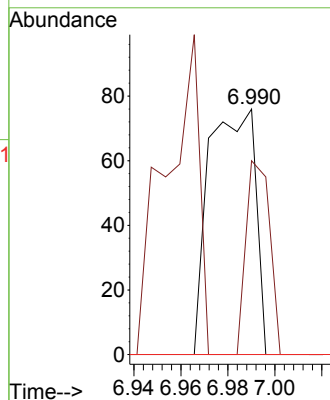
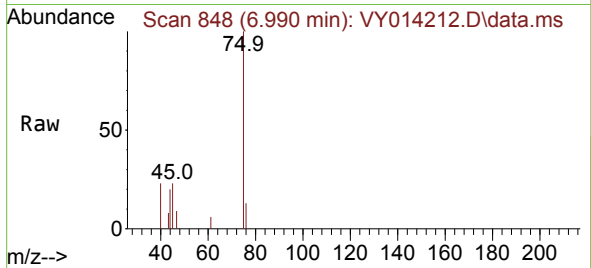




#37
Ethyl Acetate
Concen: 1.117 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.085 min
Lab File: VY014212.D
Acq: 16 Jun 2023 18:44

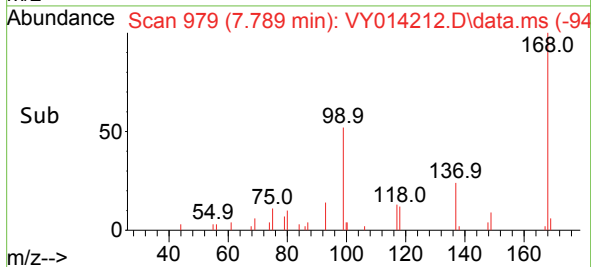
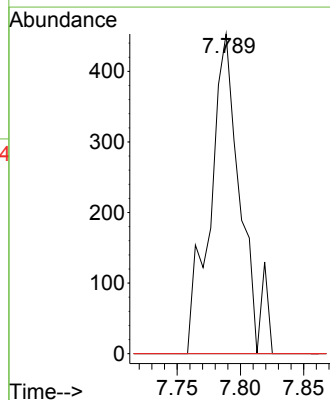
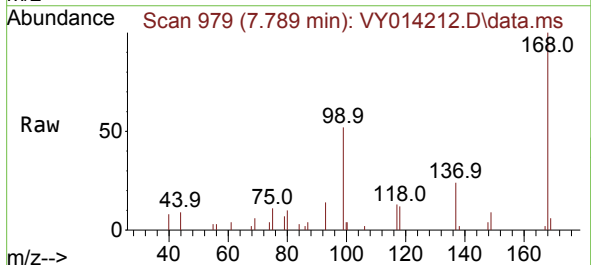
Instrument :
MSVOA_Y
ClientSampleId :
C-ANDREWRE

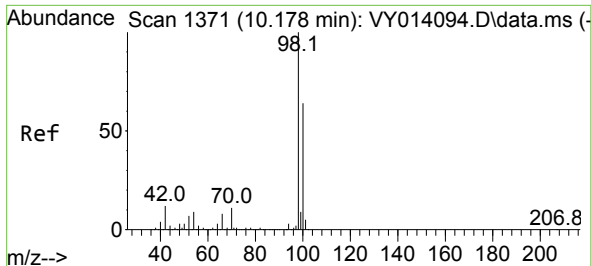
Tgt Ion: 43 Resp: 104
Ion Ratio Lower Upper
43 100
61 40.4 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.876 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014212.D
Acq: 16 Jun 2023 18:44

Tgt Ion: 117 Resp: 759
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

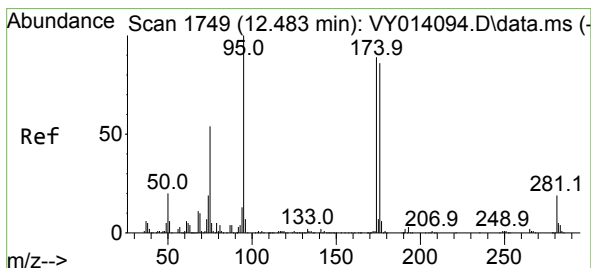
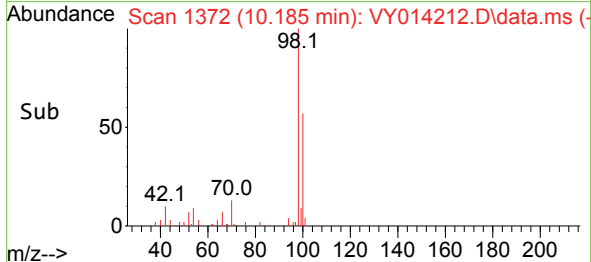
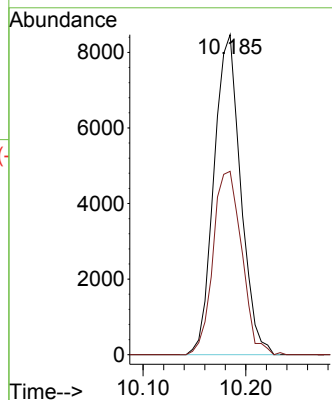
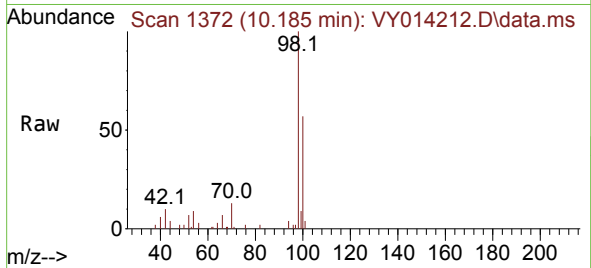




#50
Toluene-d8
Concen: 47.159 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014212.D
Acq: 16 Jun 2023 18:44

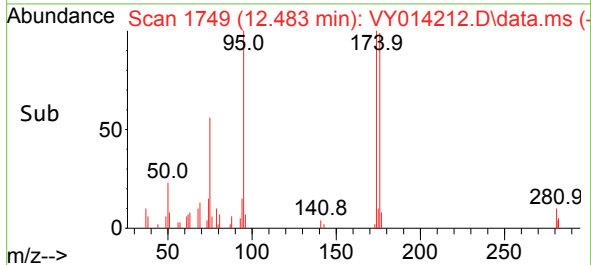
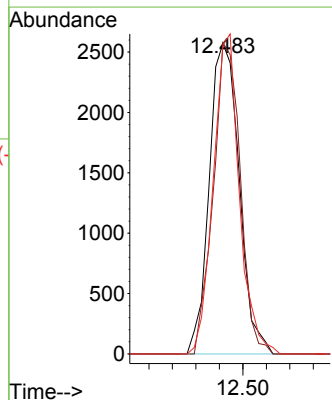
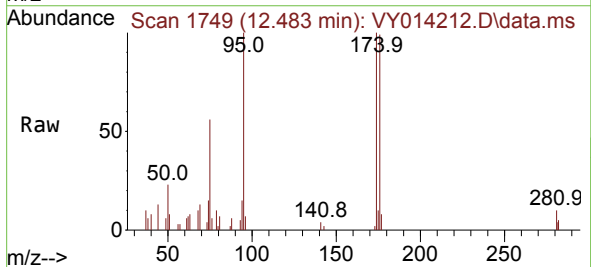
Instrument :
MSVOA_Y
ClientSampleId :
C-ANDREWRE

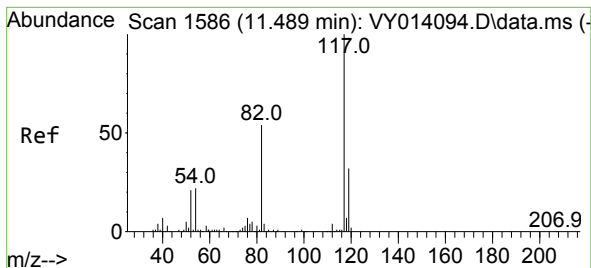
Tgt Ion: 98 Resp: 15254
Ion Ratio Lower Upper
98 100
100 61.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 39.555 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY014212.D
Acq: 16 Jun 2023 18:44

Tgt Ion: 95 Resp: 4545
Ion Ratio Lower Upper
95 100
174 90.4 0.0 178.2
176 89.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014212.D

Acq: 16 Jun 2023 18:44

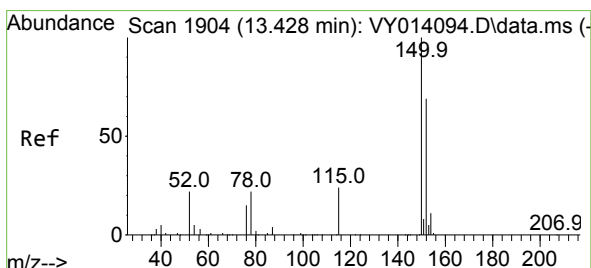
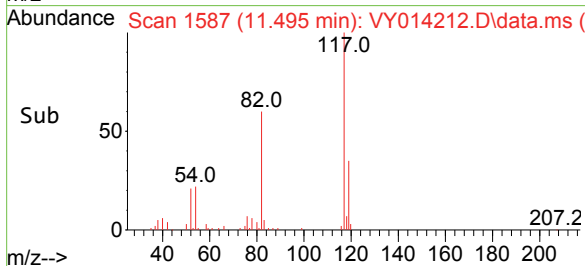
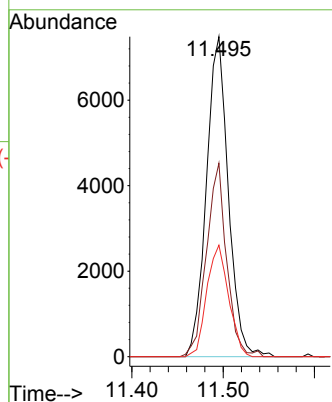
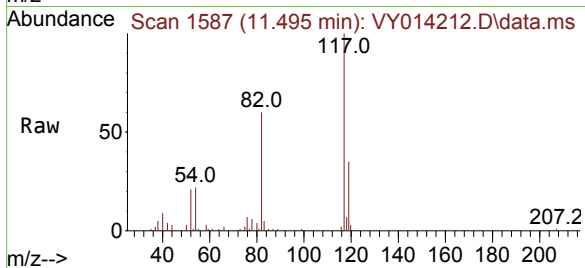
Instrument :

MSVOA_Y

ClientSampleId :

C-ANDREWRE

Tgt Ion:117	Resp:	12465
Ion Ratio	Lower	Upper
117	100	
82	60.5	43.4 65.0
119	34.9	26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

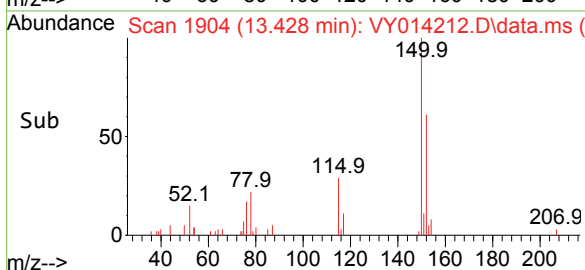
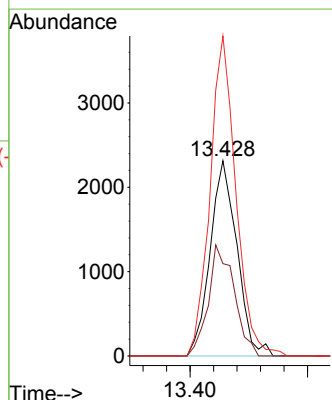
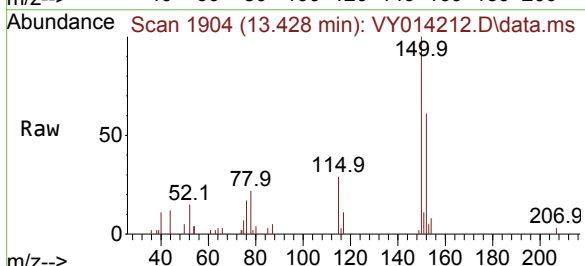
RT: 13.428 min Scan# 1904

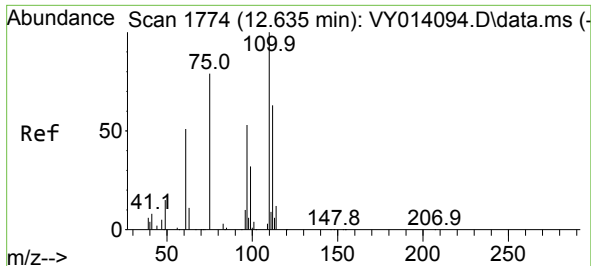
Delta R.T. -0.000 min

Lab File: VY014212.D

Acq: 16 Jun 2023 18:44

Tgt Ion:152	Resp:	3670
Ion Ratio	Lower	Upper
152	100	
115	54.8	28.8 86.5
150	157.7	0.0 348.8

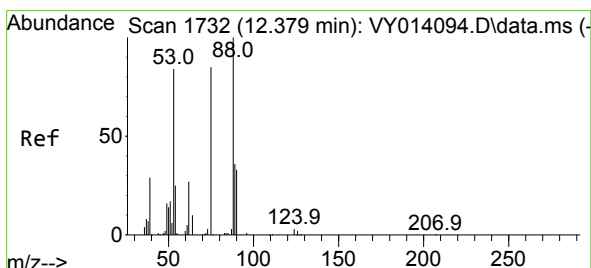
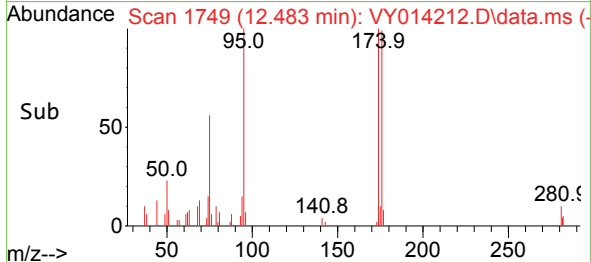
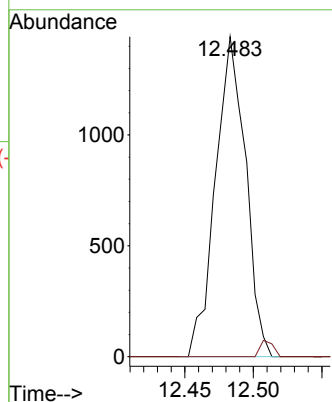
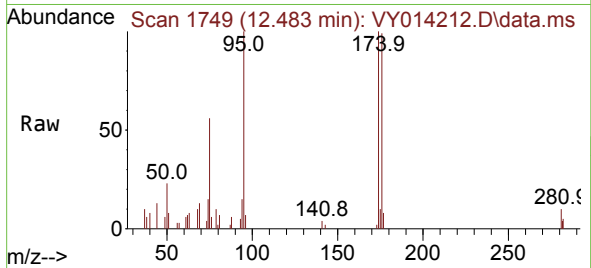




#76
1,2,3-Trichloropropane
Concen: 45.857 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014212.D
Acq: 16 Jun 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :
C-ANDREWRE

Tgt Ion: 75 Resp: 2208
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 99.125 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014212.D
Acq: 16 Jun 2023 18:44

Tgt Ion: 75 Resp: 2208
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

