

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060923\
 Data File : VY014106.D
 Acq On : 09 Jun 2023 19:45
 Operator : KP/MD
 Sample : 03044-14RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-08-0-2.0RE

Quant Time: Jun 10 05:15:52 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)

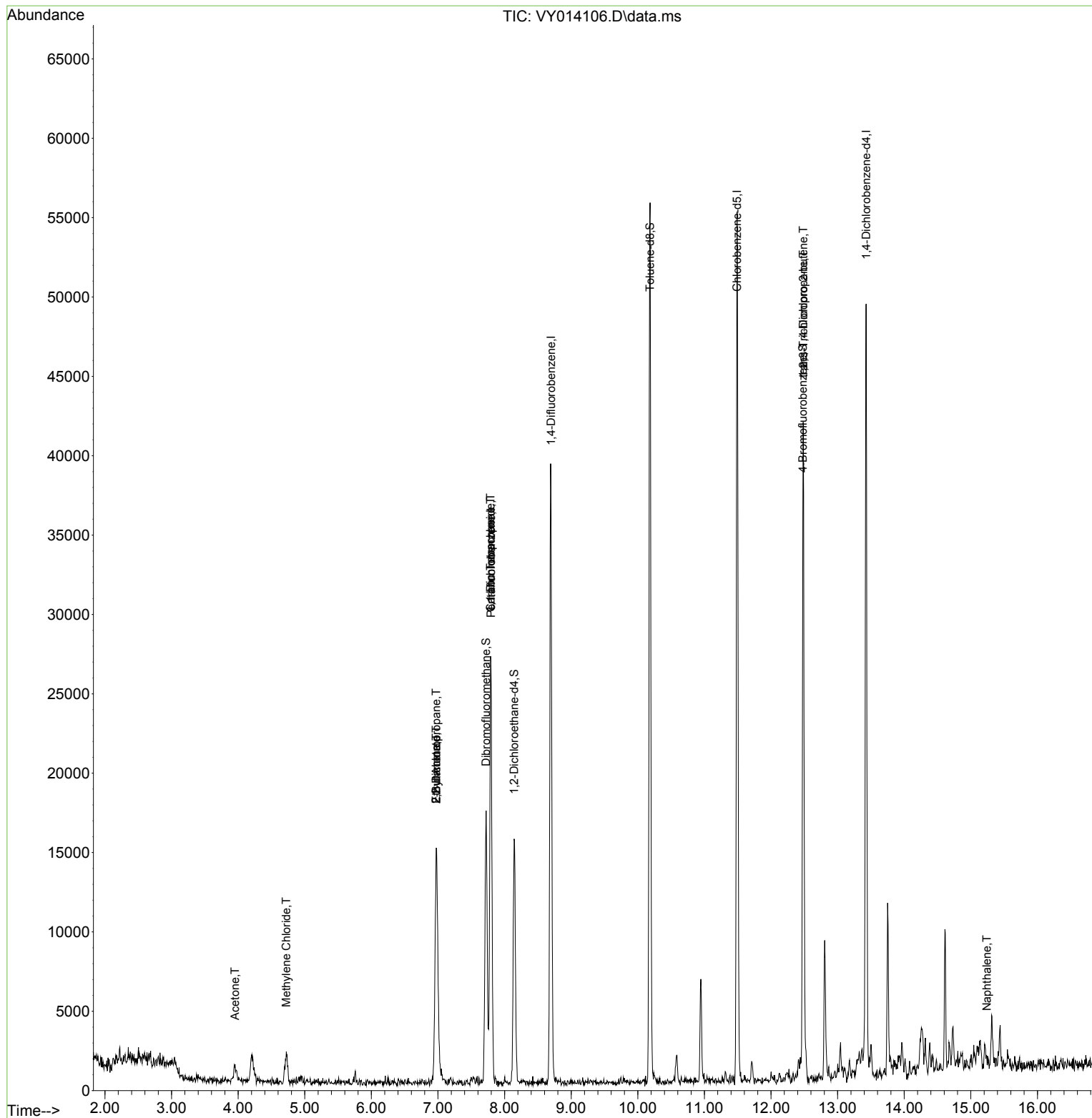
Internal Standards						
1) Pentafluorobenzene	7.795	168	21036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	32038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	30336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	12204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	13460	45.950	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.900%
35) Dibromofluoromethane	7.722	113	11548	50.826	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.660%
50) Toluene-d8	10.185	98	38034	44.776	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.560%
62) 4-Bromofluorobenzene	12.477	95	10877	36.047	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.100%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	196	Below Cal	#	89
16) Acetone	3.954	43	2132	24.145	ug/l	92
20) Methylene Chloride	4.722	84	1395	1.469	ug/l #	71
25) 2-Butanone	6.972	43	886	8.152	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	1029	2.280	ug/l #	54
36) 1,1-Dichloropropene	7.789	75	1537	4.339	ug/l #	46
37) Ethyl Acetate	6.972	43	886	3.625	ug/l #	39
38) Carbon Tetrachloride	7.789	117	1994	4.878	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	6272	39.172	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6272	84.675	ug/l #	10
95) Naphthalene	15.239	128	636	1.179	ug/l #	85

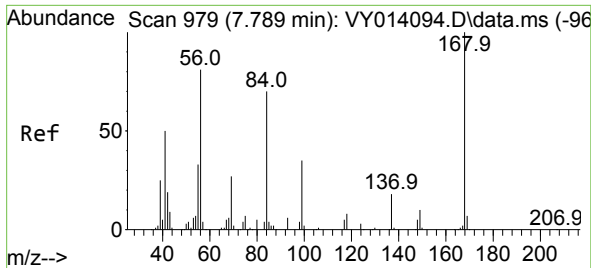
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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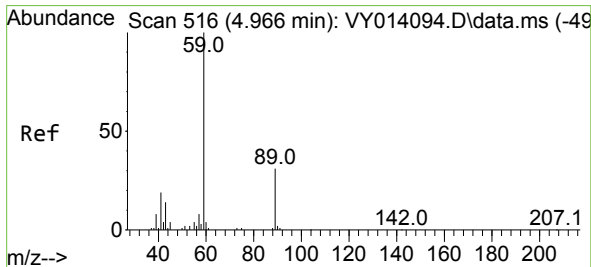
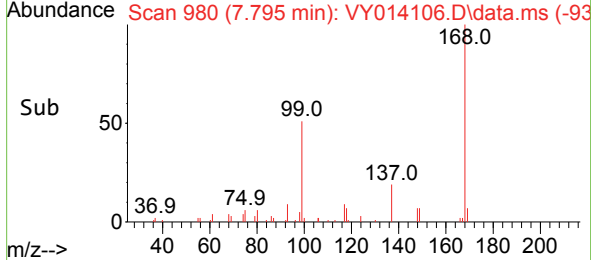
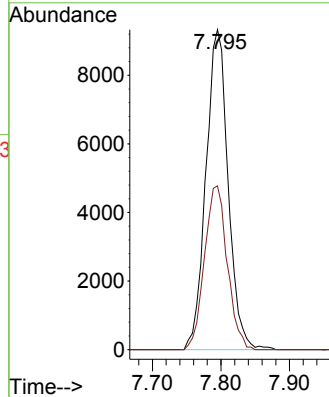
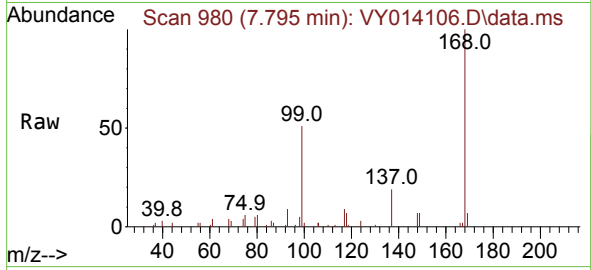




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014106.D
Acq: 09 Jun 2023 19:45

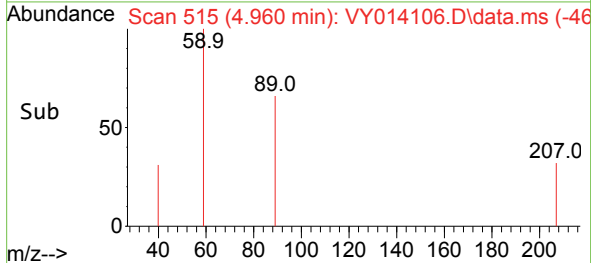
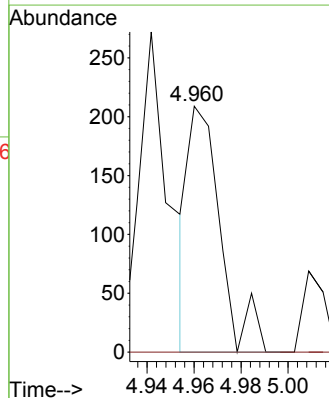
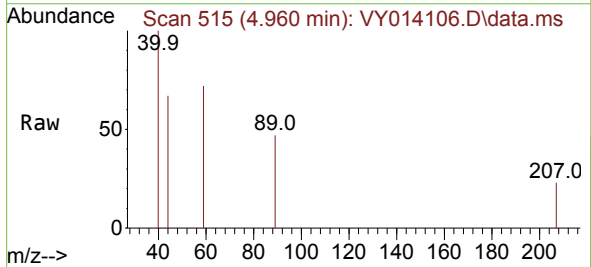
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0RE

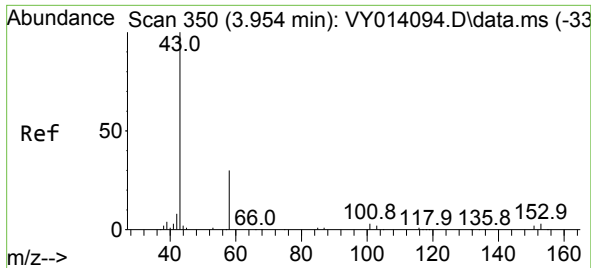
Tgt Ion:168 Resp: 21036
Ion Ratio Lower Upper
168 100
99 51.2 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY014106.D
Acq: 09 Jun 2023 19:45

Tgt Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

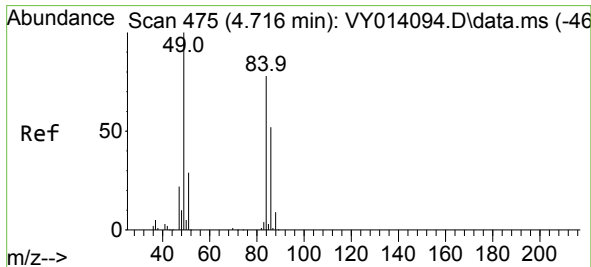
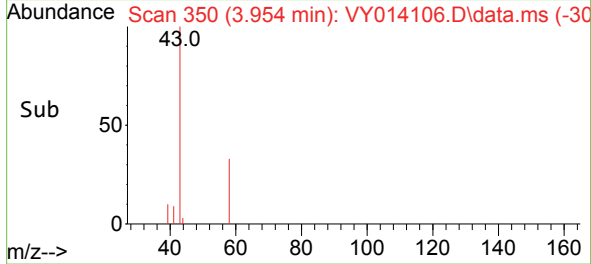
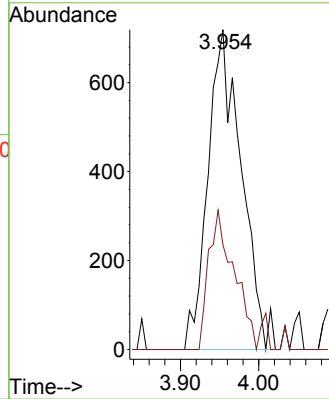
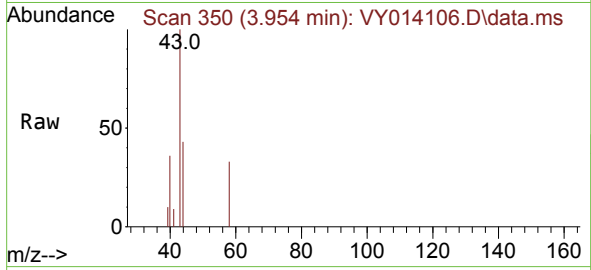




#16
Acetone
Concen: 24.145 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014106.D
Acq: 09 Jun 2023 19:45

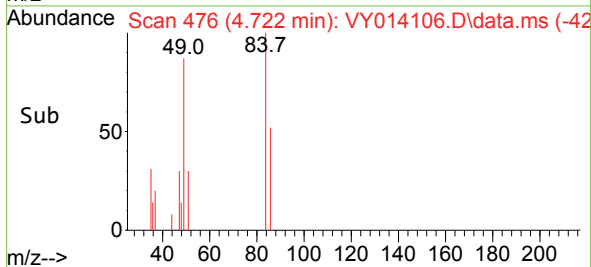
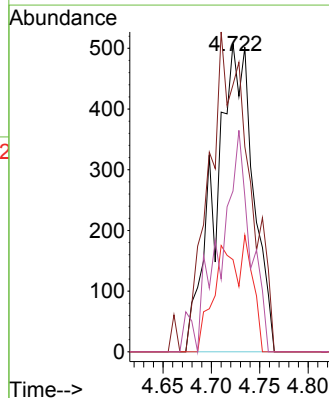
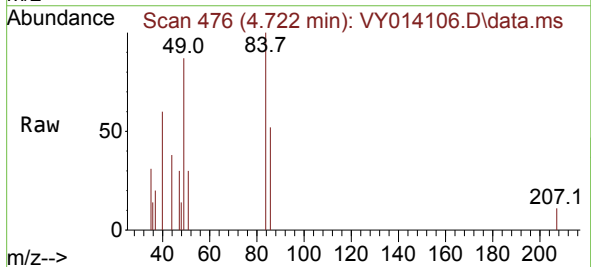
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0RE

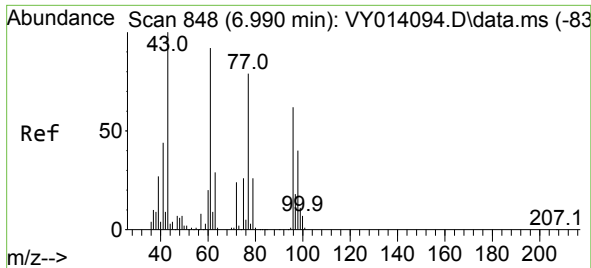
Tgt Ion: 43 Resp: 2132
Ion Ratio Lower Upper
43 100
58 32.8 22.7 34.1



#20
Methylene Chloride
Concen: 1.469 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014106.D
Acq: 09 Jun 2023 19:45

Tgt Ion: 84 Resp: 1395
Ion Ratio Lower Upper
84 100
49 86.6 106.9 160.3#
51 29.9 33.2 49.8#
86 52.2 51.0 76.6

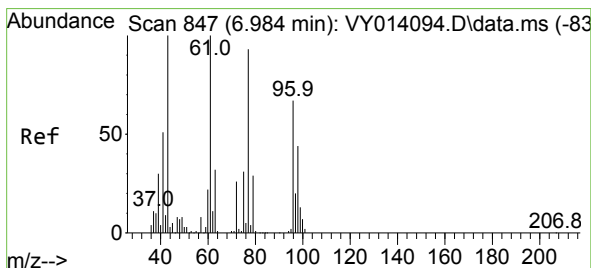
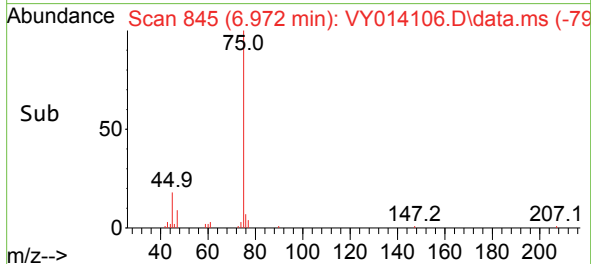
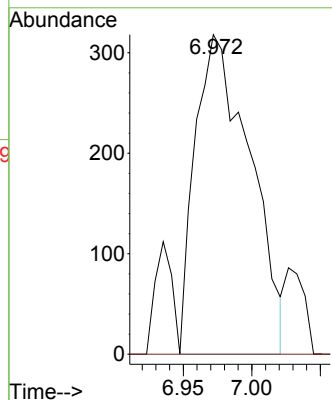
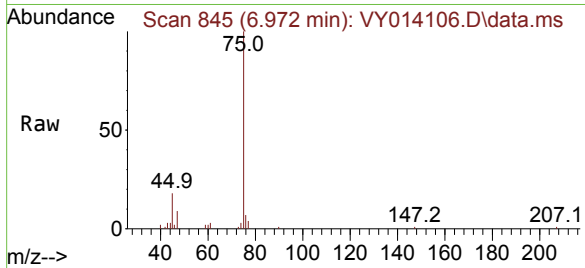




#25
2-Butanone
Concen: 8.152 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014106.D
Acq: 09 Jun 2023 19:45

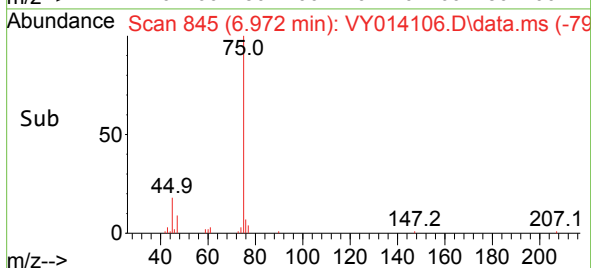
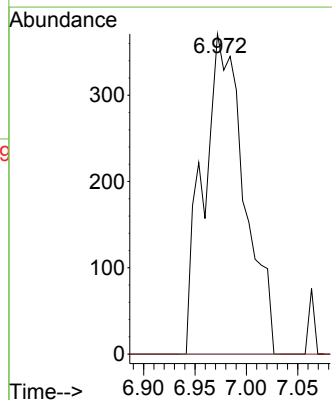
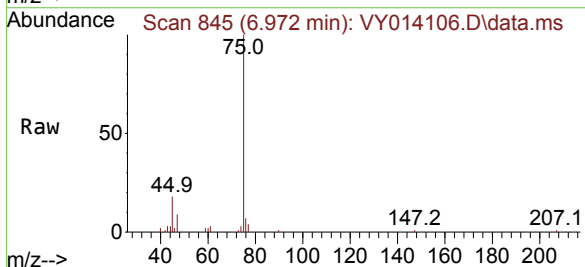
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0RE

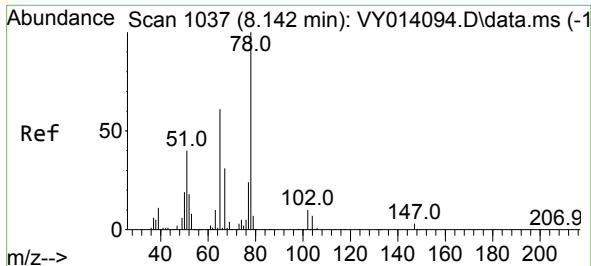
Tgt Ion: 43 Resp: 886
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.280 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY014106.D
Acq: 09 Jun 2023 19:45

Tgt Ion: 77 Resp: 1029
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

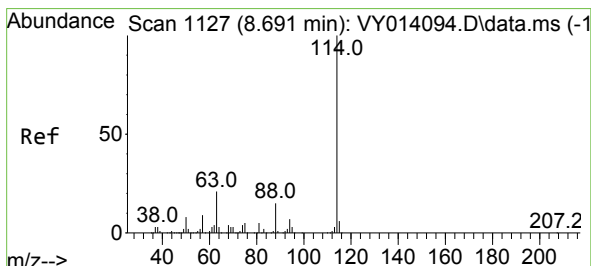
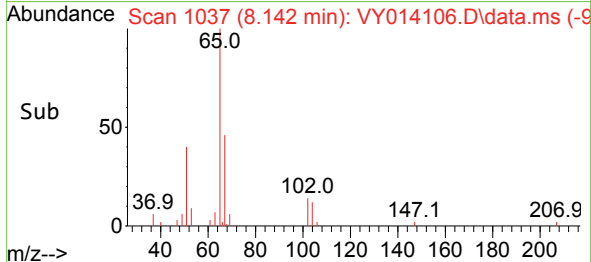
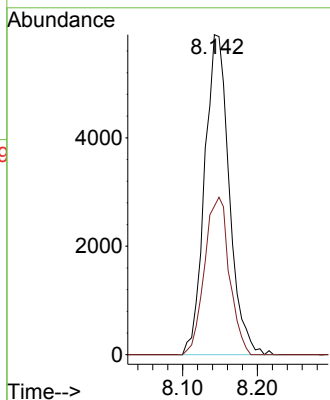
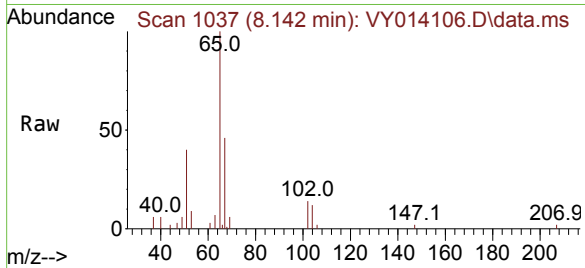




#33
 1,2-Dichloroethane-d4
 Concen: 45.950 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY014106.D
 Acq: 09 Jun 2023 19:45

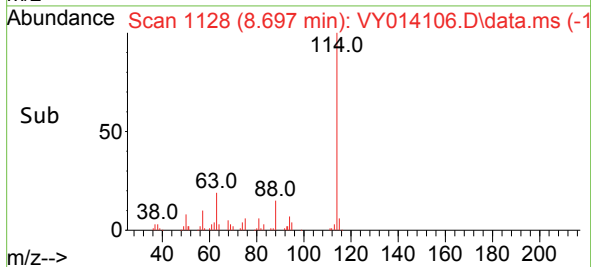
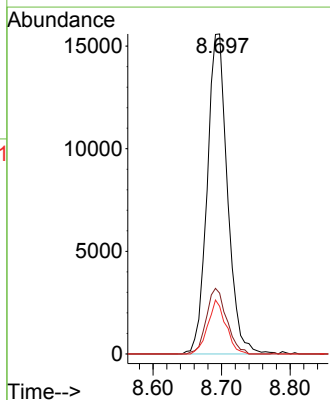
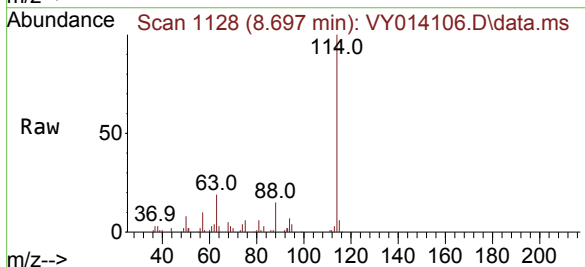
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-08-0-2.0RE

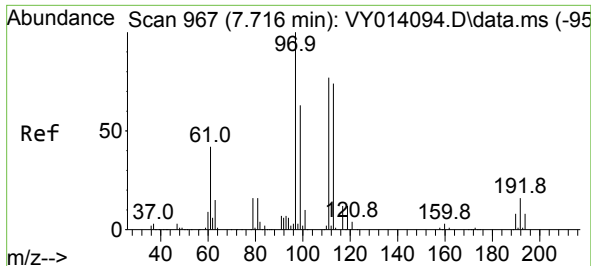
Tgt Ion: 65 Resp: 13460
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.006 min
 Lab File: VY014106.D
 Acq: 09 Jun 2023 19:45

Tgt Ion: 114 Resp: 32038
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 42.4
 88 14.9 0.0 30.6

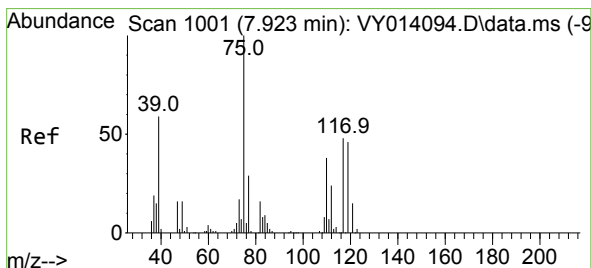
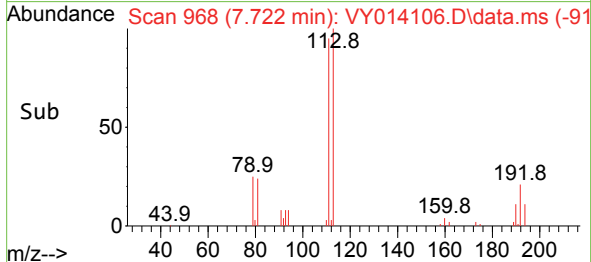
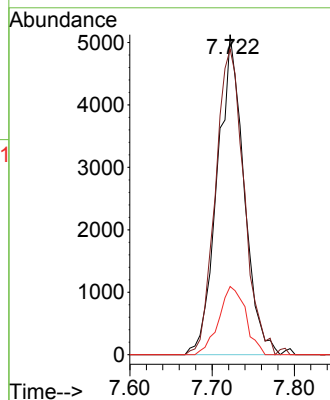
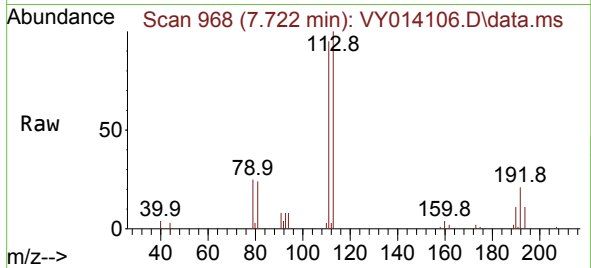




#35
Dibromofluoromethane
Concen: 50.826 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014106.D
Acq: 09 Jun 2023 19:45

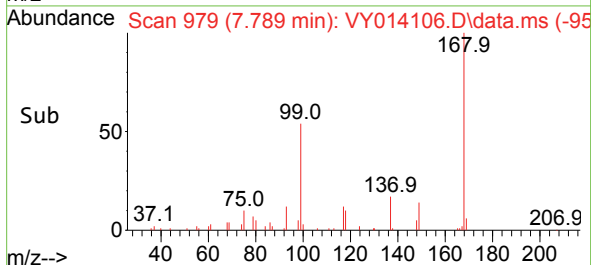
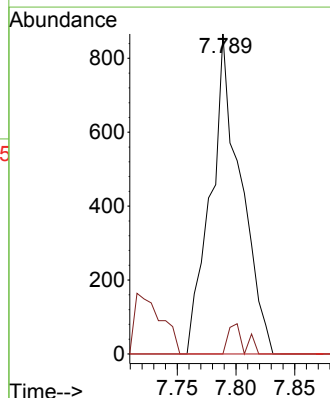
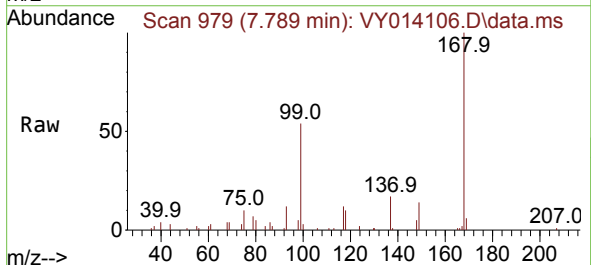
Instrument :
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ClientSampleId :
SB-08-0-2.0RE

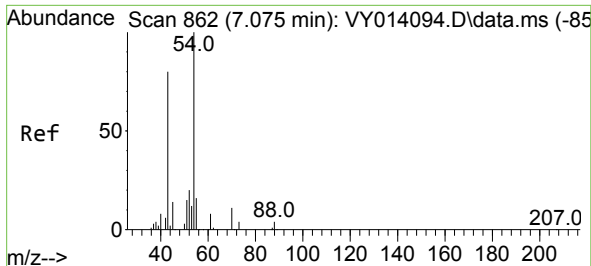
Tgt Ion:113 Resp: 11548
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 21.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.339 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014106.D
Acq: 09 Jun 2023 19:45

Tgt Ion: 75 Resp: 1537
Ion Ratio Lower Upper
75 100
110 4.9 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.625 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.103 min

Lab File: VY014106.D

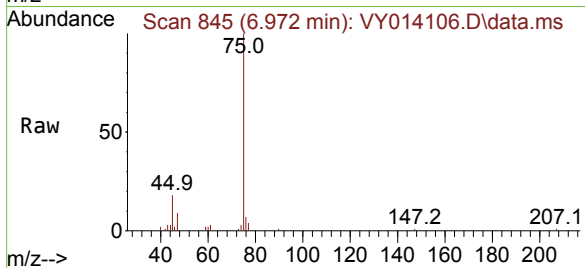
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Instrument :

MSVOA_Y

ClientSampleId :

SB-08-0-2.0RE



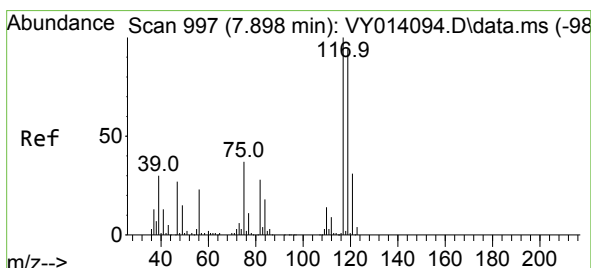
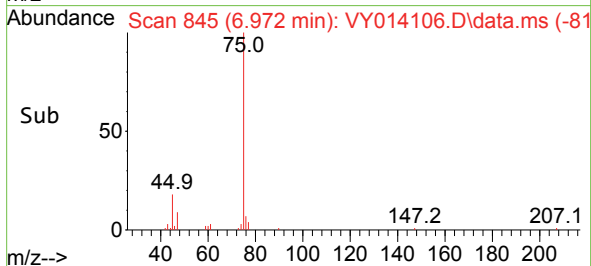
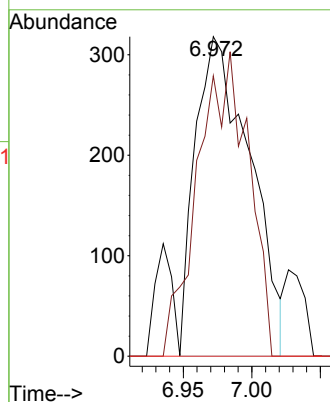
Tgt Ion: 43 Resp: 886

Ion Ratio Lower Upper

43 100

61 46.7 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.878 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY014106.D

Acq: 09 Jun 2023 19:45

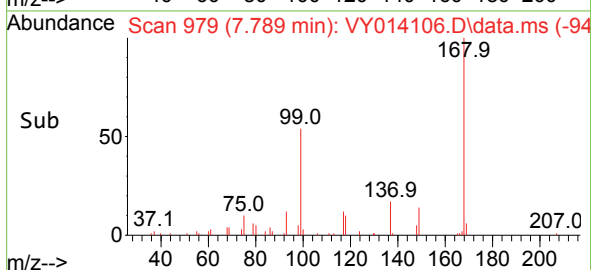
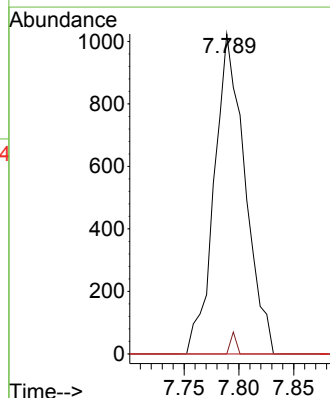
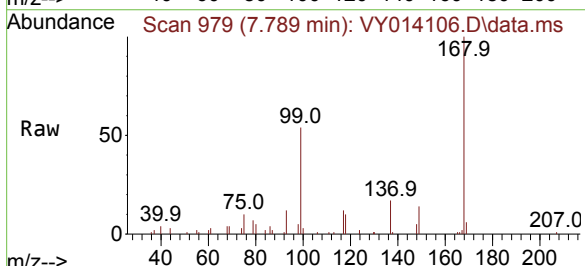
Tgt Ion: 117 Resp: 1994

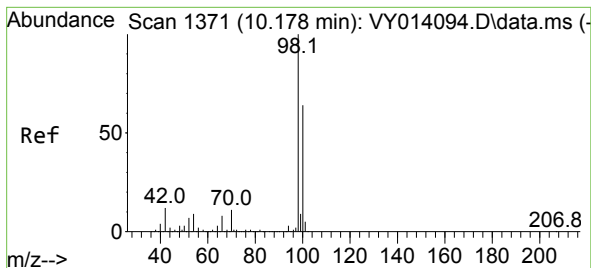
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 25.8 38.6#

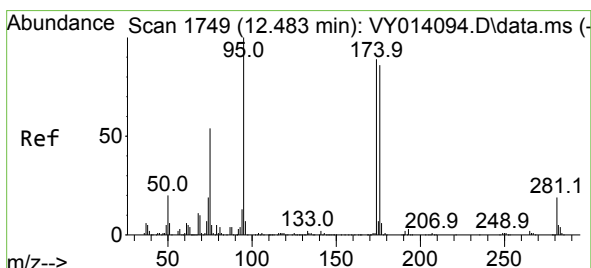
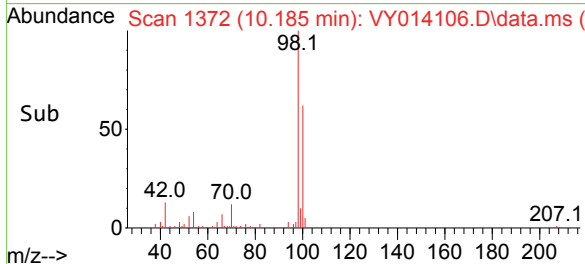
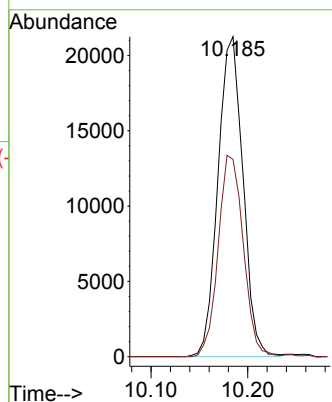
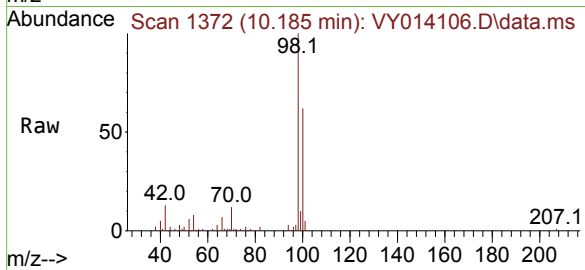




#50
Toluene-d8
Concen: 44.776 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014106.D
Acq: 09 Jun 2023 19:45

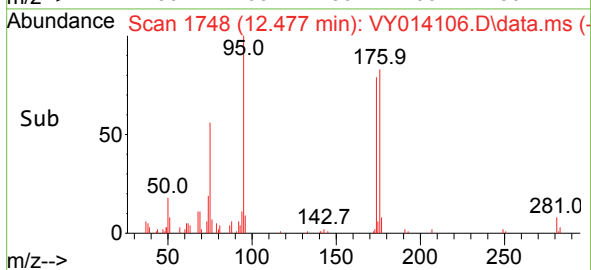
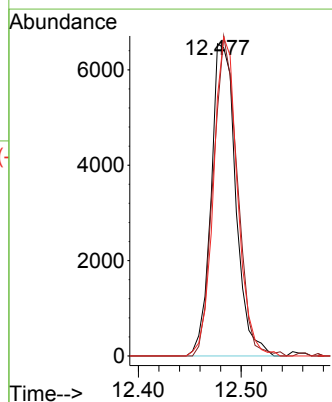
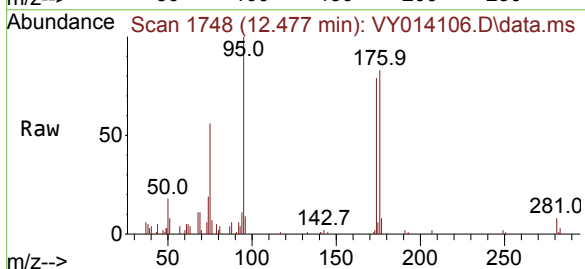
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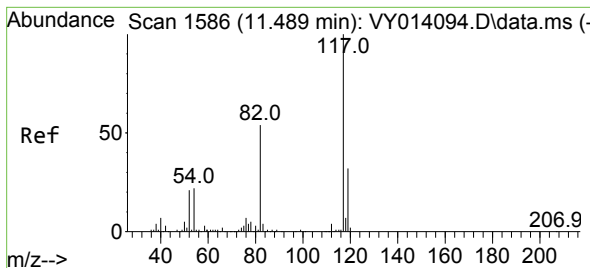
Tgt Ion: 98 Resp: 38034
Ion Ratio Lower Upper
98 100
100 63.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 36.047 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014106.D
Acq: 09 Jun 2023 19:45

Tgt Ion: 95 Resp: 10877
Ion Ratio Lower Upper
95 100
174 99.9 0.0 178.2
176 99.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014106.D

Acq: 09 Jun 2023 19:45

Instrument :

MSVOA_Y

ClientSampleId :

SB-08-0-2.0RE

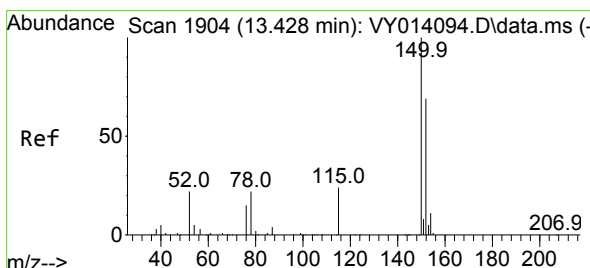
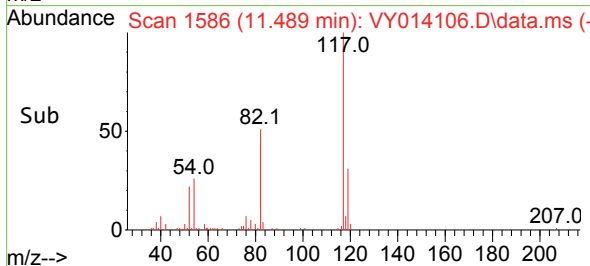
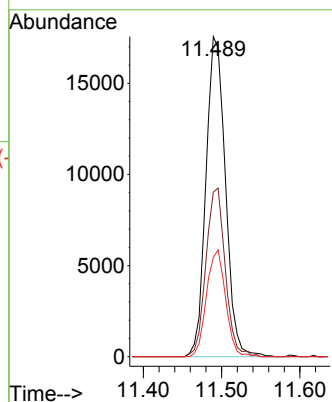
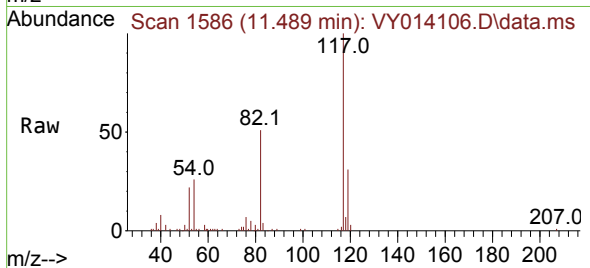
Tgt Ion:117 Resp: 30336

Ion Ratio Lower Upper

117 100

82 51.4 43.4 65.0

119 31.1 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: VY014106.D

Acq: 09 Jun 2023 19:45

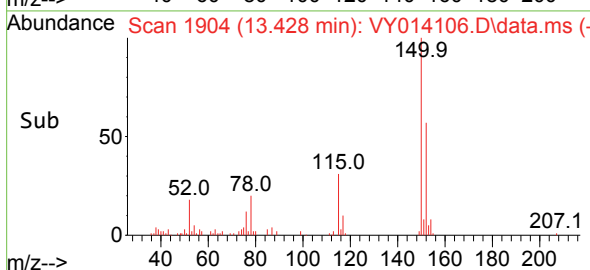
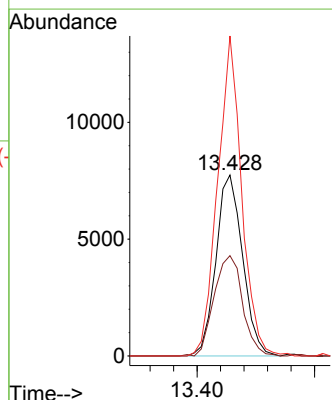
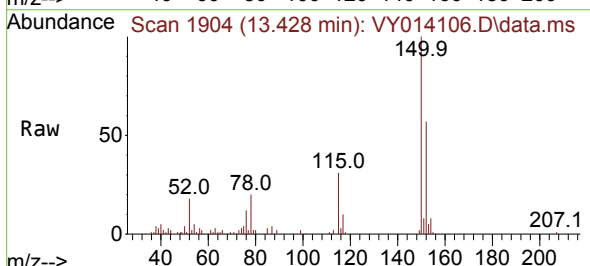
Tgt Ion:152 Resp: 12204

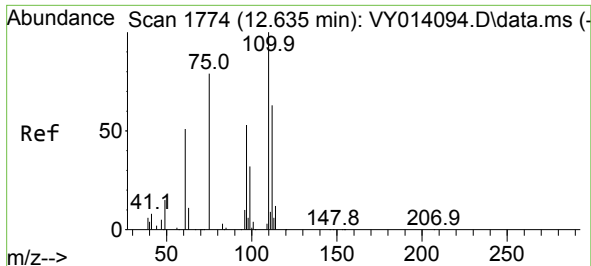
Ion Ratio Lower Upper

152 100

115 59.3 28.8 86.5

150 159.5 0.0 348.8

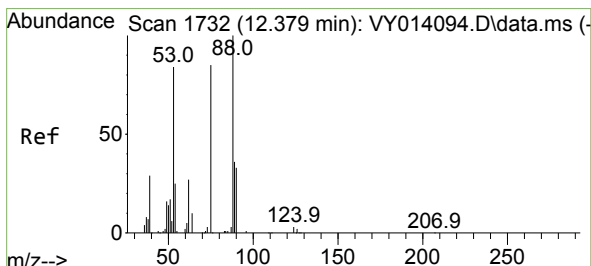
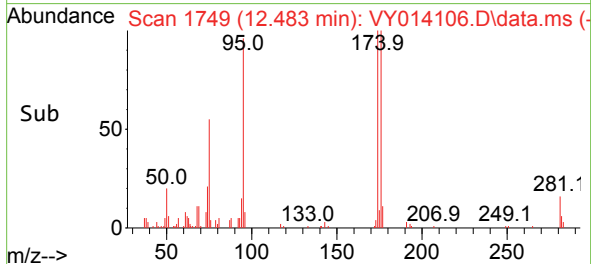
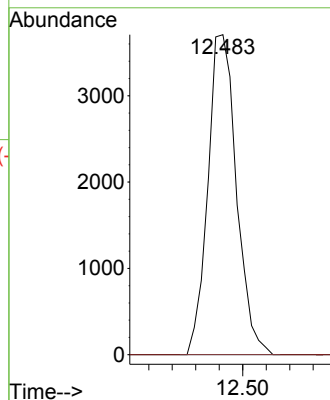
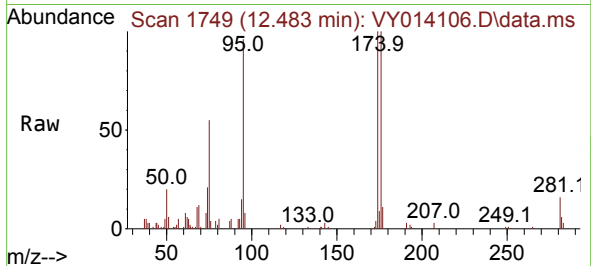




#76
1,2,3-Trichloropropane
Concen: 39.172 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014106.D
Acq: 09 Jun 2023 19:45

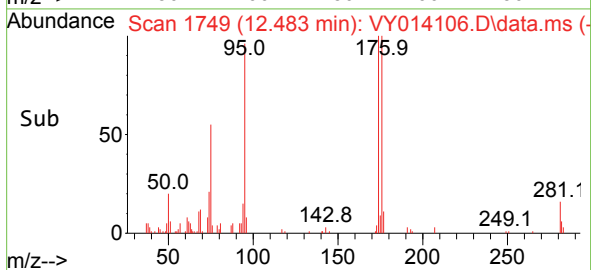
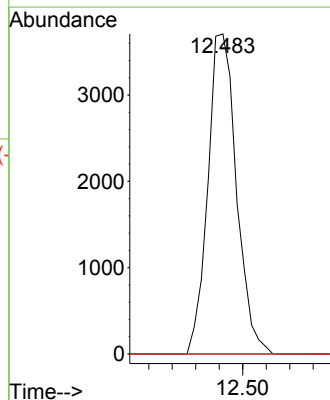
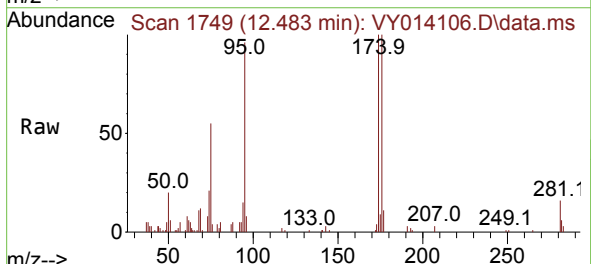
Instrument :
MSVOA_Y
ClientSampleId :
SB-08-0-2.0RE

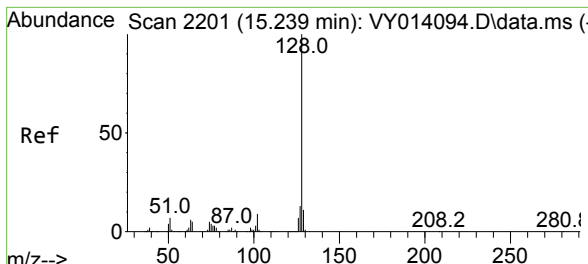
Tgt Ion: 75 Resp: 6272
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 84.675 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014106.D
Acq: 09 Jun 2023 19:45

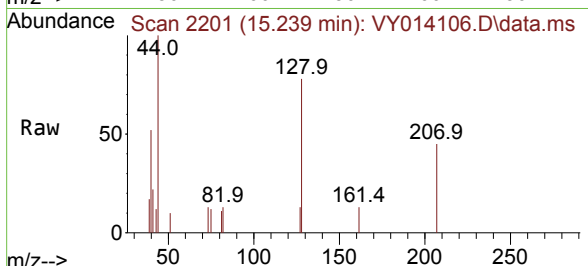
Tgt Ion: 75 Resp: 6272
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
 Naphthalene
 Concen: 1.179 ug/l
 RT: 15.239 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY014106.D
 Acq: 09 Jun 2023 19:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-08-0-2.0RE



Tgt Ion:	128	Resp:	636
Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.8	16.2
129	0.0	8.6	13.0#

