

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014441.D
 Acq On : 26 Jun 2023 18:01
 Operator : KP/MD
 Sample : 03375-04
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2(8-10)

Quant Time: Jun 27 01:50:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

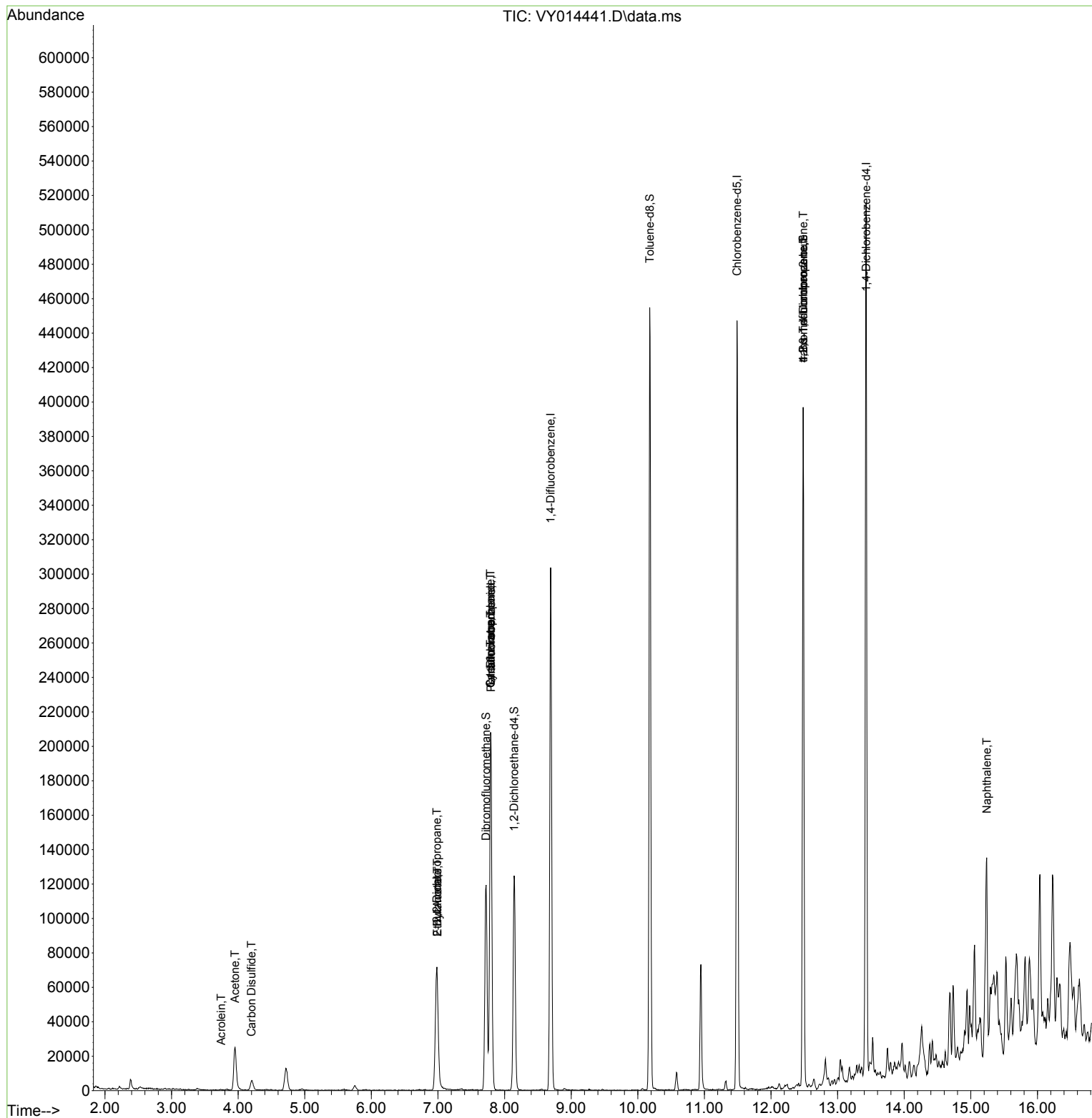
Internal Standards						
1) Pentafluorobenzene	7.795	168	167611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	254294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	245739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	111298	53.482	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.960%	
35) Dibromofluoromethane	7.722	113	79151	50.380	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.760%	
50) Toluene-d8	10.179	98	303262	48.559	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.120%	
62) 4-Bromofluorobenzene	12.483	95	104547	46.891	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	1426	Below Cal	#	97
13) Acrolein	3.747	56	305	5.427	ug/l	85
16) Acetone	3.954	43	44619	68.138	ug/l	92
17) Carbon Disulfide	4.198	76	5931	1.241	ug/l #	92
20) Methylene Chloride	4.722	84	9911	Below Cal	#	83
25) 2-Butanone	6.990	43	13133	16.102	ug/l	97
26) 2,2-Dichloropropane	6.984	77	4840	1.573	ug/l #	54
31) Cyclohexane	7.789	56	3548	1.380	ug/l #	38
36) 1,1-Dichloropropene	7.789	75	12023	4.966	ug/l #	52
37) Ethyl Acetate	6.990	43	13133	7.871	ug/l #	68
38) Carbon Tetrachloride	7.789	117	16273	5.341	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	59516	35.935	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59516	81.812	ug/l #	11
95) Naphthalene	15.239	128	91482	16.090	ug/l	98

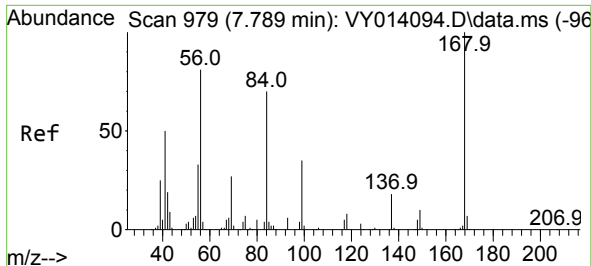
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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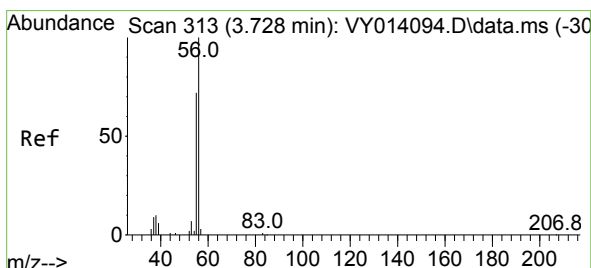
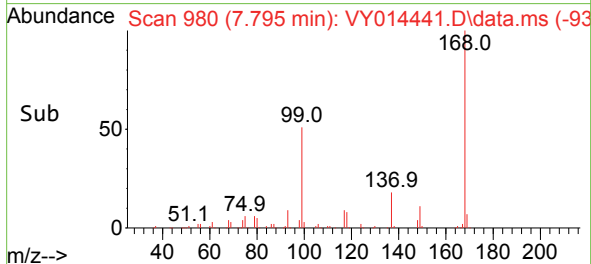
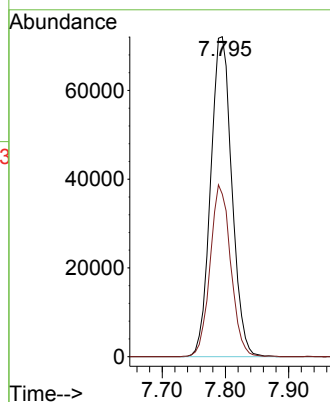
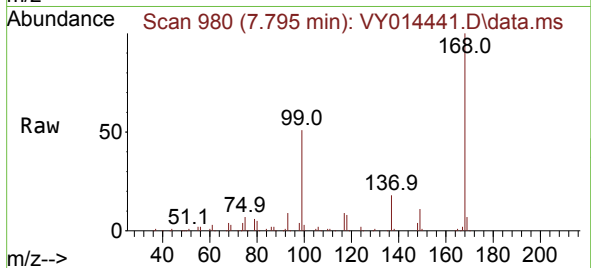




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014441.D
Acq: 26 Jun 2023 18:01

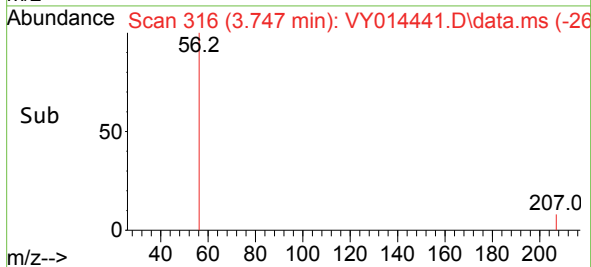
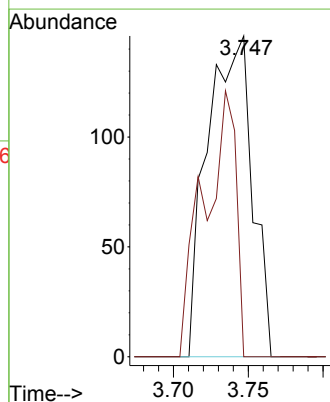
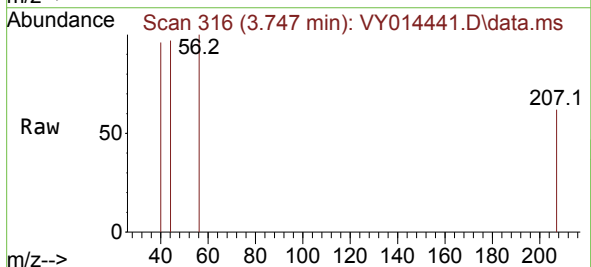
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)

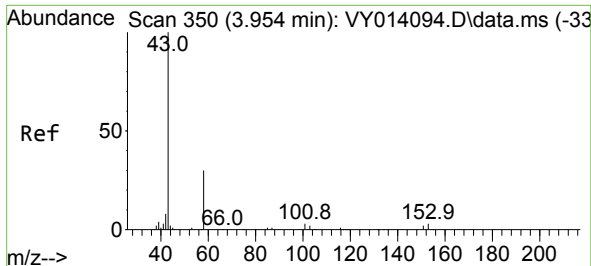
Tgt Ion:168 Resp: 167611
Ion Ratio Lower Upper
168 100
99 50.8 43.4 65.0



#13
Acrolein
Concen: 5.427 ug/l
RT: 3.747 min Scan# 316
Delta R.T. 0.019 min
Lab File: VY014441.D
Acq: 26 Jun 2023 18:01

Tgt Ion: 56 Resp: 305
Ion Ratio Lower Upper
56 100
55 59.0 57.0 85.4





#16

Acetone

Concen: 68.138 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY014441.D

Acq: 26 Jun 2023 18:01

Instrument :

MSVOA_Y

ClientSampleId :

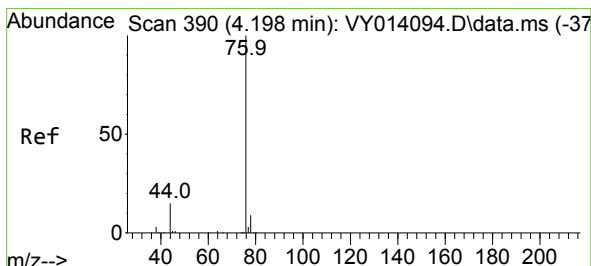
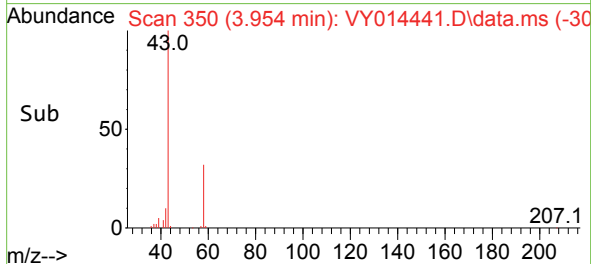
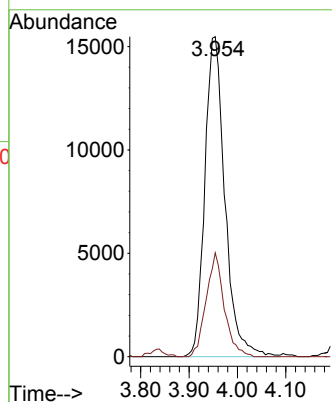
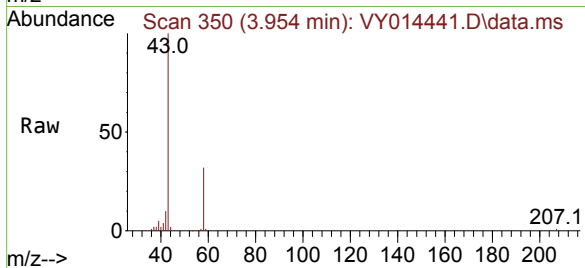
SB-2(8-10)

Tgt Ion: 43 Resp: 44619

Ion Ratio Lower Upper

43 100

58 32.5 22.7 34.1



#17

Carbon Disulfide

Concen: 1.241 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.000 min

Lab File: VY014441.D

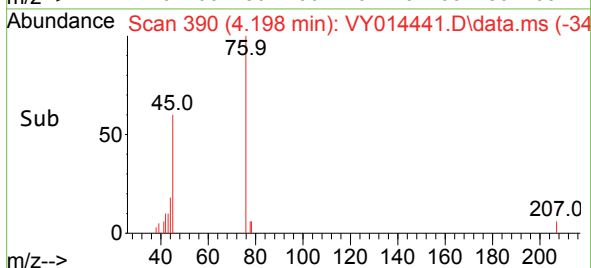
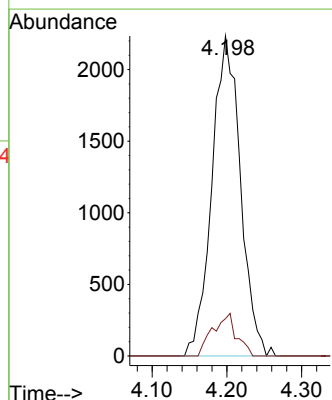
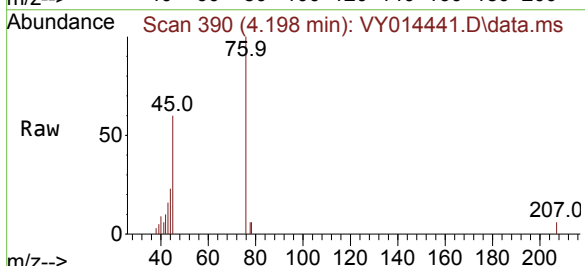
Acq: 26 Jun 2023 18:01

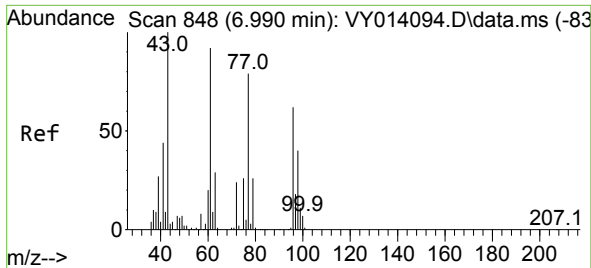
Tgt Ion: 76 Resp: 5931

Ion Ratio Lower Upper

76 100

78 11.7 7.0 10.4#

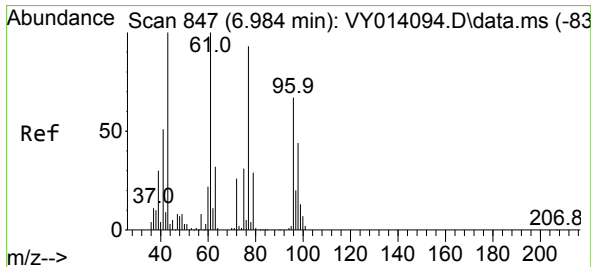
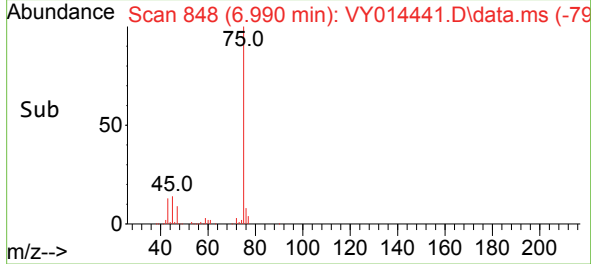
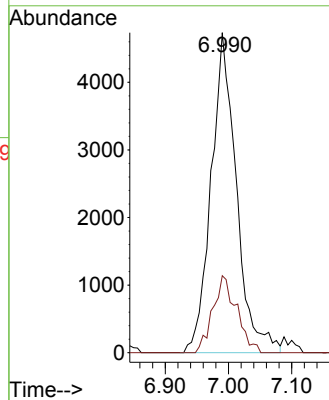
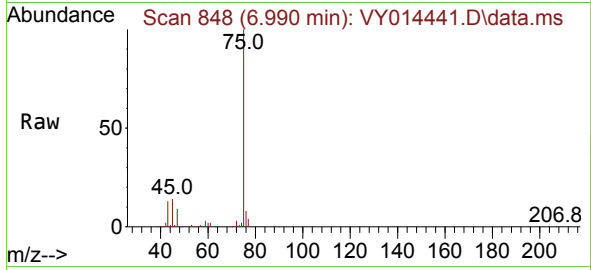




#25
2-Butanone
Concen: 16.102 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014441.D
Acq: 26 Jun 2023 18:01

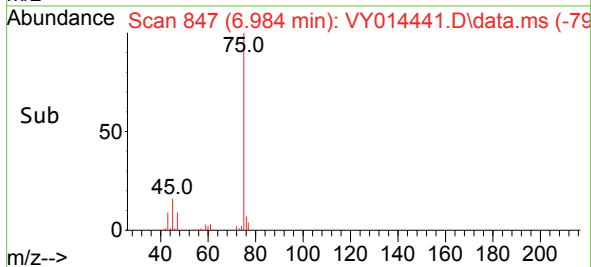
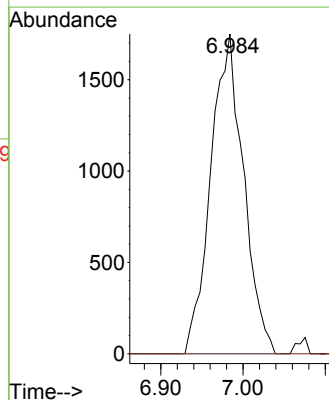
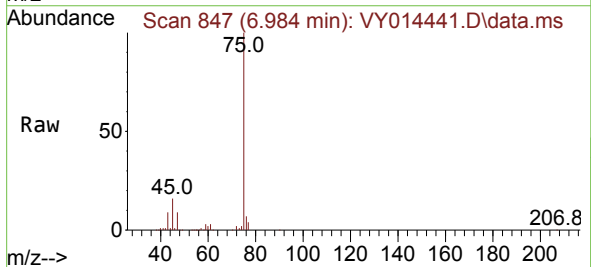
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)

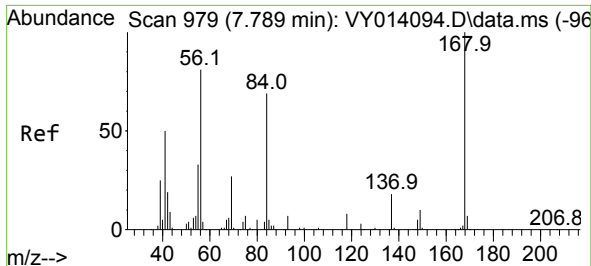
Tgt Ion: 43 Resp: 13133
Ion Ratio Lower Upper
43 100
72 24.1 20.5 30.7



#26
2,2-Dichloropropane
Concen: 1.573 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY014441.D
Acq: 26 Jun 2023 18:01

Tgt Ion: 77 Resp: 4840
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

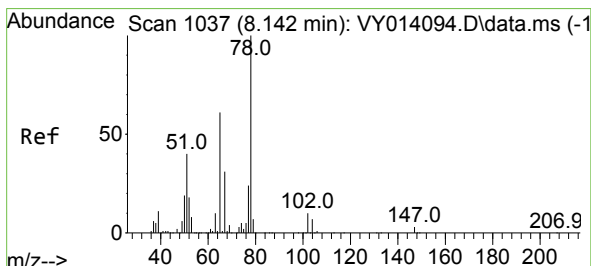
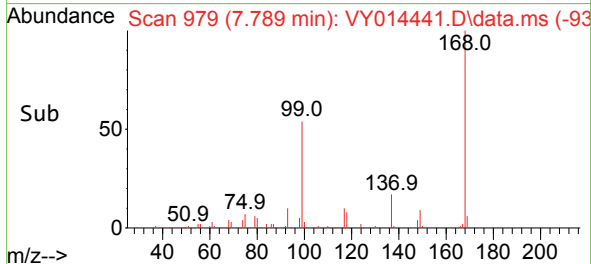
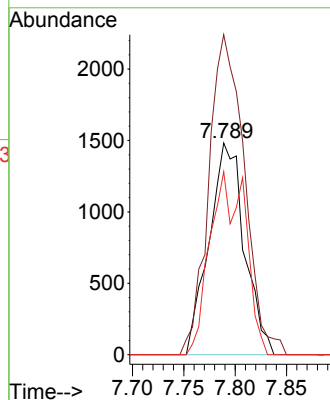
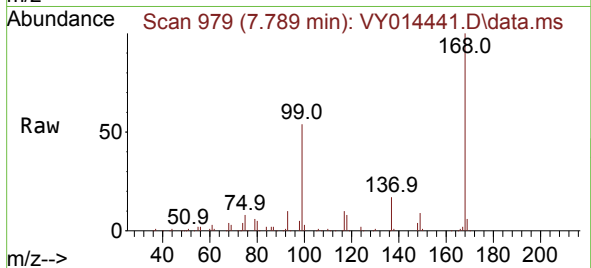




#31
Cyclohexane
Concen: 1.380 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014441.D
Acq: 26 Jun 2023 18:01

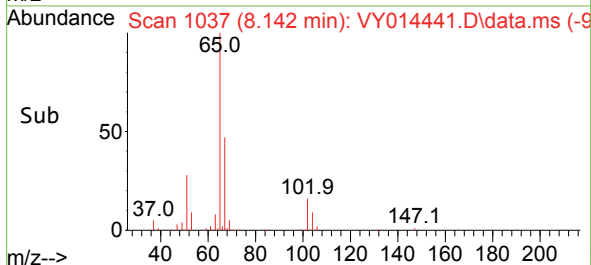
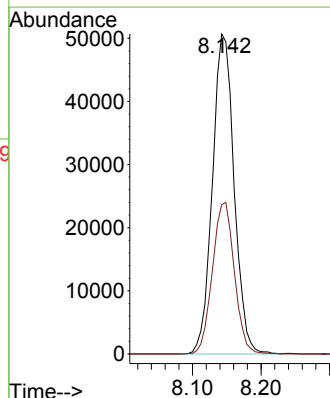
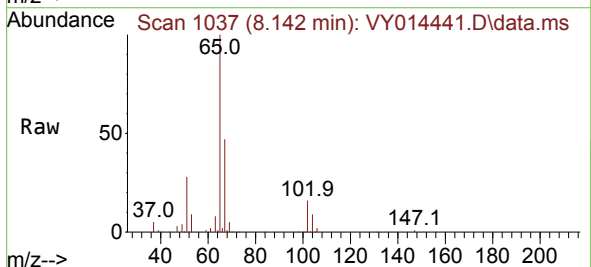
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)

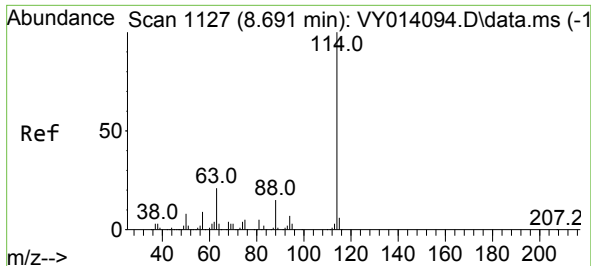
Tgt Ion: 56 Resp: 3548
Ion Ratio Lower Upper
56 100
69 151.2 27.8 41.6#
84 86.4 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 53.482 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014441.D
Acq: 26 Jun 2023 18:01

Tgt Ion: 65 Resp: 111298
Ion Ratio Lower Upper
65 100
67 47.9 0.0 101.8

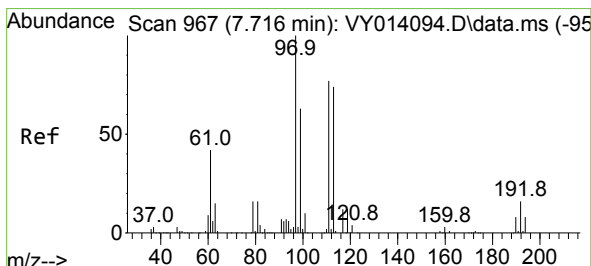
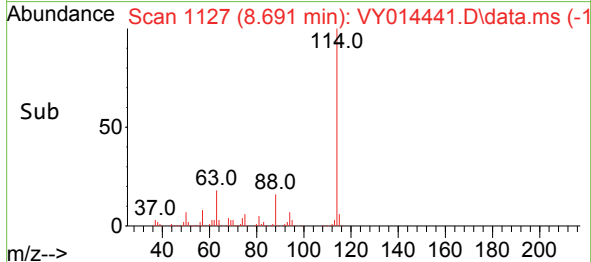
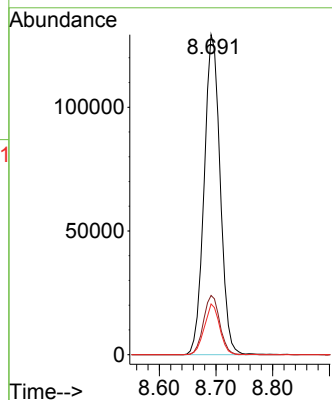
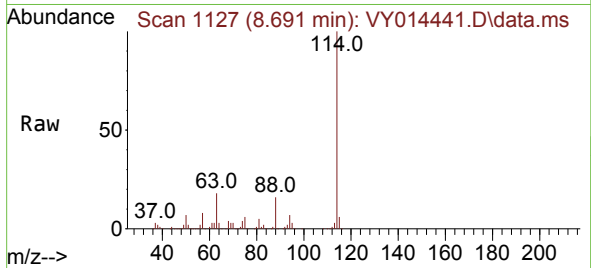




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014441.D
 Acq: 26 Jun 2023 18:01

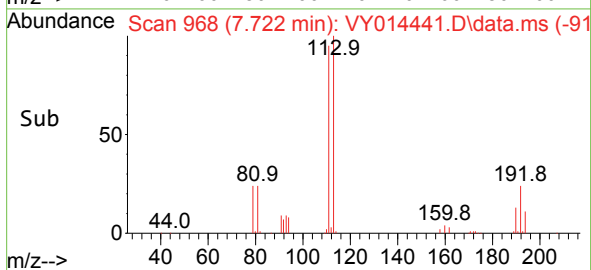
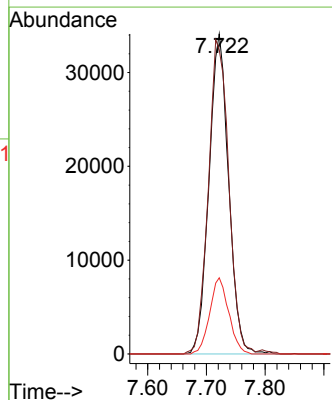
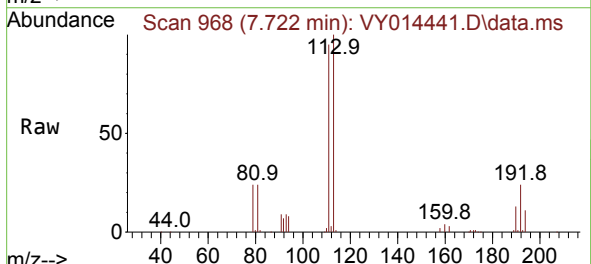
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-2(8-10)

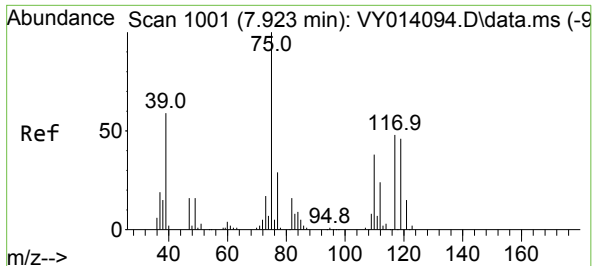
Tgt Ion:	114	Resp:	254294
Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	42.4
88	15.9	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 50.380 ug/l
 RT: 7.722 min Scan# 968
 Delta R.T. 0.006 min
 Lab File: VY014441.D
 Acq: 26 Jun 2023 18:01

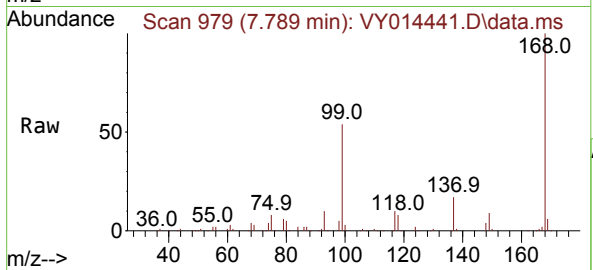
Tgt Ion:	113	Resp:	79151
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.3	121.9
192	23.1	16.9	25.3



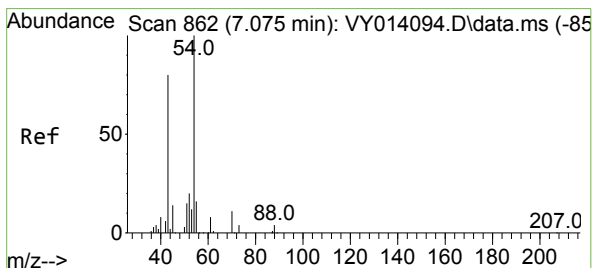
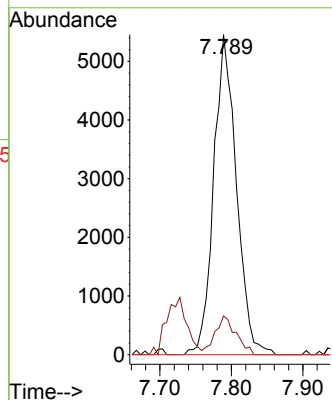
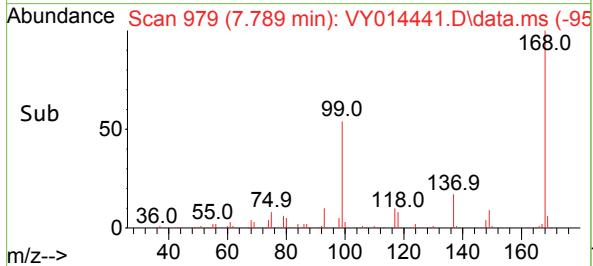


#36
1,1-Dichloropropene
Concen: 4.966 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014441.D
Acq: 26 Jun 2023 18:01

Instrument :
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SB-2(8-10)

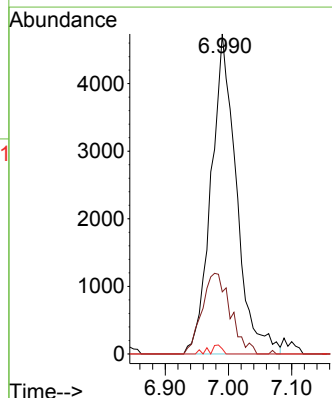
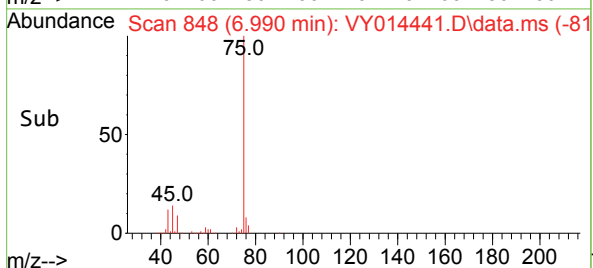
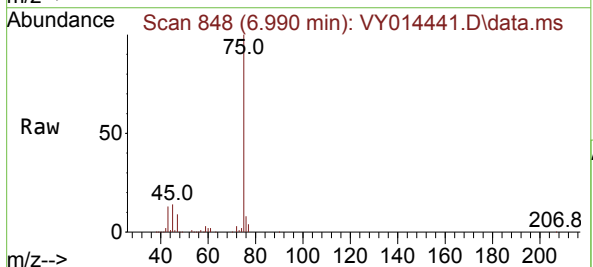


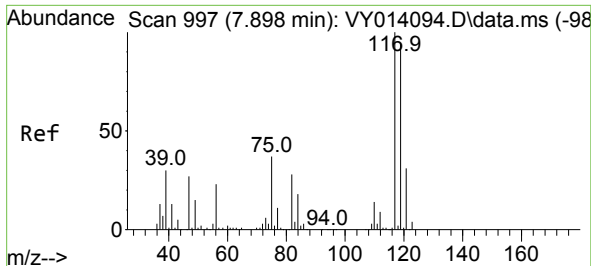
Tgt Ion: 75 Resp: 12023
Ion Ratio Lower Upper
75 100
110 11.1 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 7.871 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.085 min
Lab File: VY014441.D
Acq: 26 Jun 2023 18:01

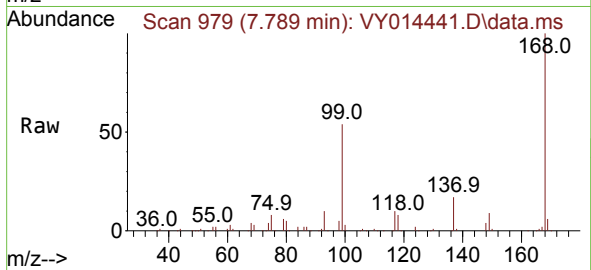
Tgt Ion: 43 Resp: 13133
Ion Ratio Lower Upper
43 100
61 28.4 10.1 15.1#
70 1.2 7.1 10.7#



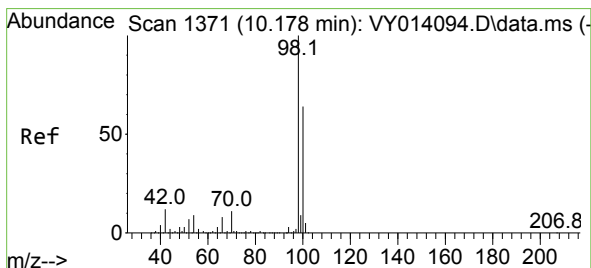
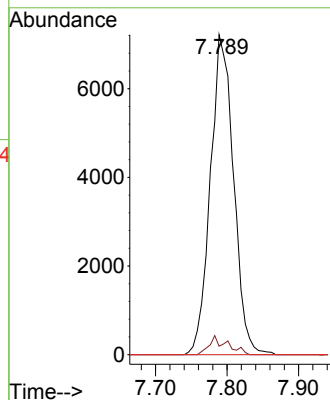
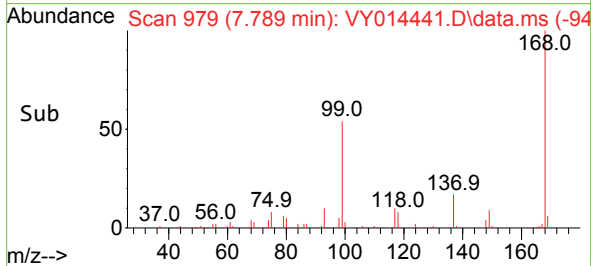


#38
Carbon Tetrachloride
Concen: 5.341 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014441.D
Acq: 26 Jun 2023 18:01

Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)

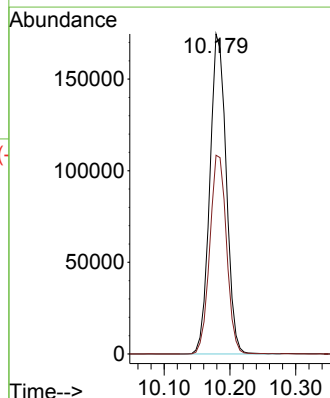
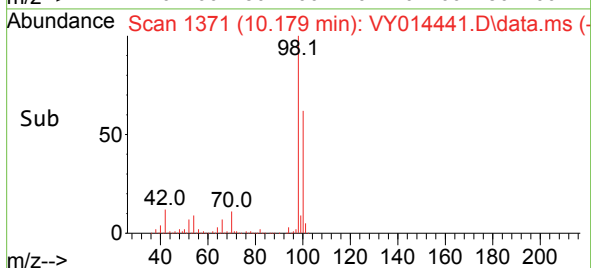
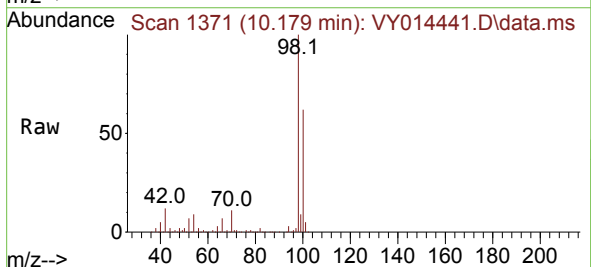


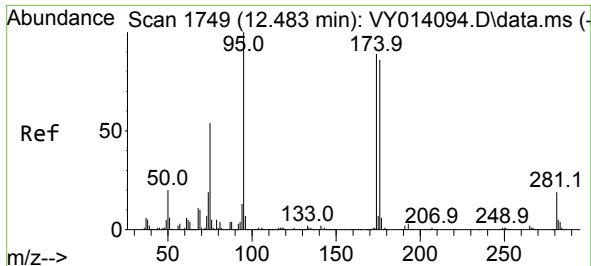
Tgt Ion:117 Resp: 16273
Ion Ratio Lower Upper
117 100
119 2.6 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.559 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014441.D
Acq: 26 Jun 2023 18:01

Tgt Ion: 98 Resp: 303262
Ion Ratio Lower Upper
98 100
100 63.3 50.1 75.1

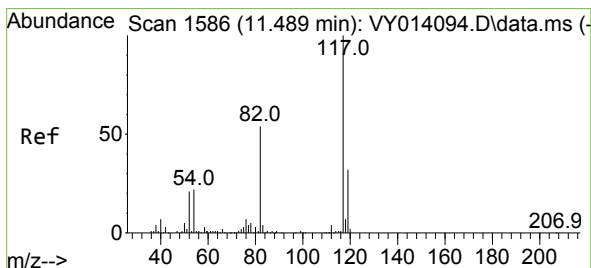
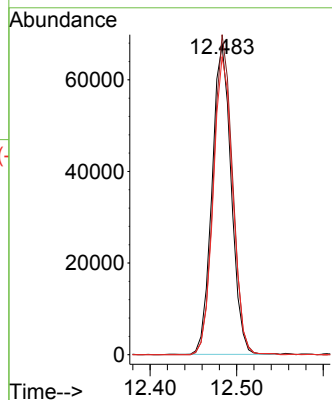
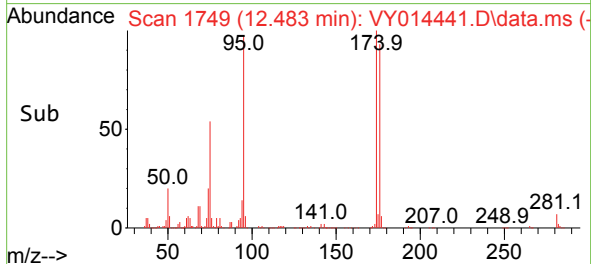
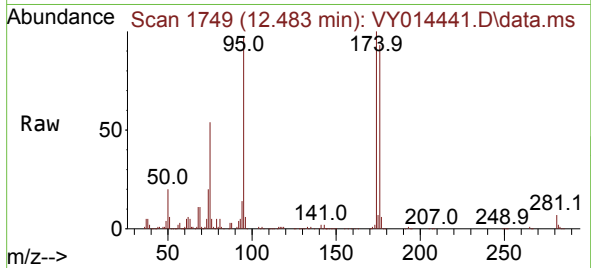




#62
4-Bromofluorobenzene
Concen: 46.891 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014441.D
Acq: 26 Jun 2023 18:01

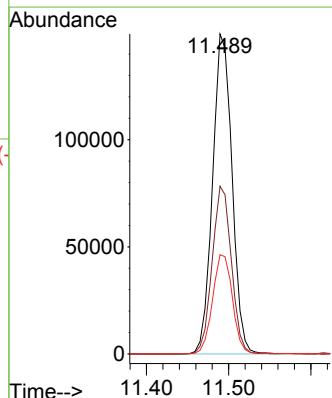
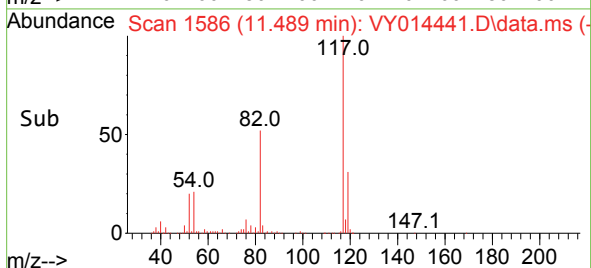
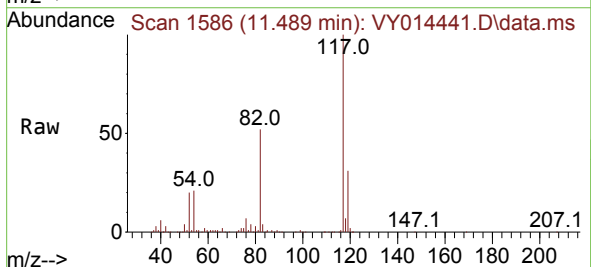
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)

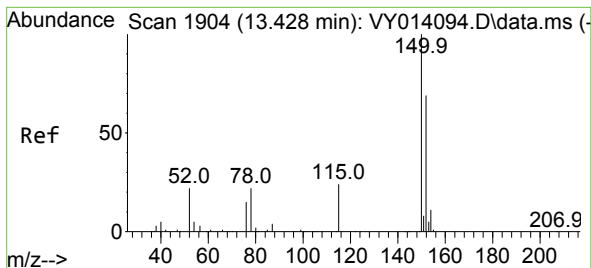
Tgt Ion: 95 Resp: 104547
Ion Ratio Lower Upper
95 100
174 102.6 0.0 178.2
176 97.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014441.D
Acq: 26 Jun 2023 18:01

Tgt Ion: 117 Resp: 245739
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.0
119 30.9 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: VY014441.D

Acq: 26 Jun 2023 18:01

Instrument :

MSVOA_Y

ClientSampleId :

SB-2(8-10)

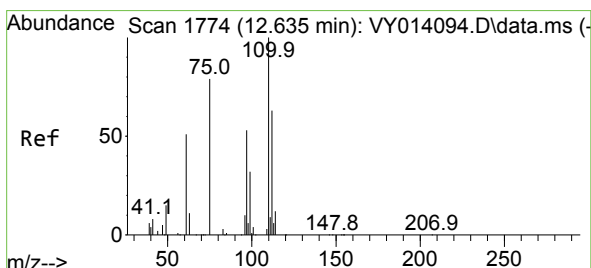
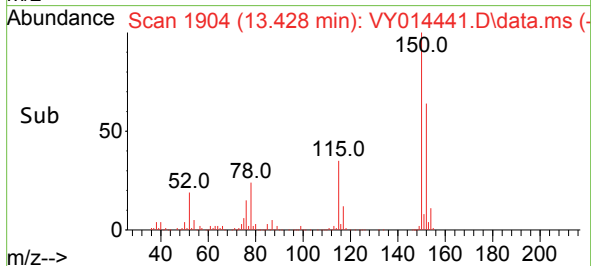
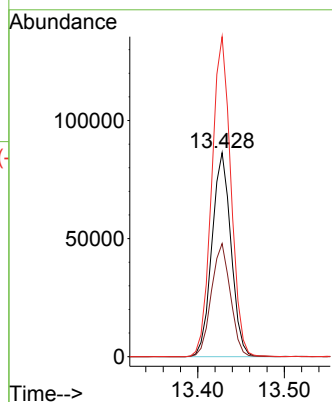
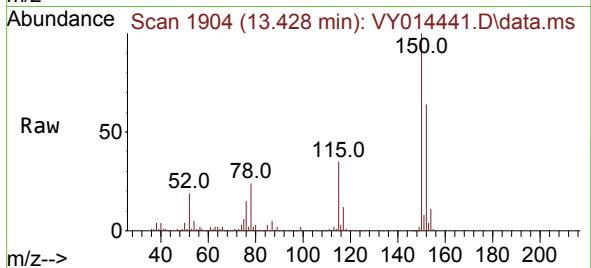
Tgt Ion:152 Resp: 132031

Ion Ratio Lower Upper

152 100

115 55.5 28.8 86.5

150 157.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 35.935 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014441.D

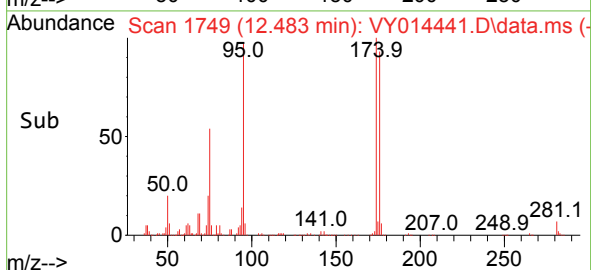
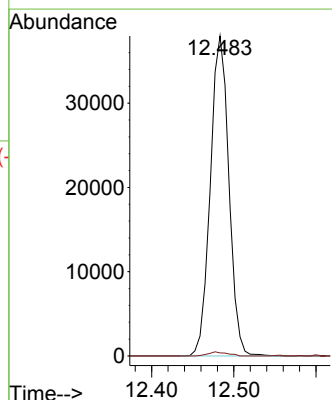
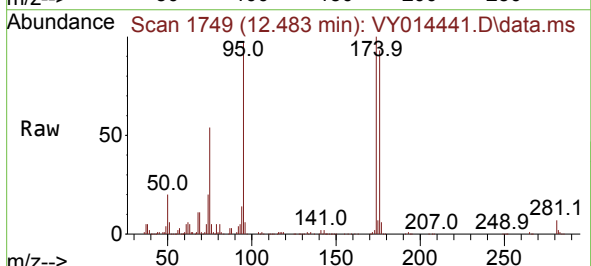
Acq: 26 Jun 2023 18:01

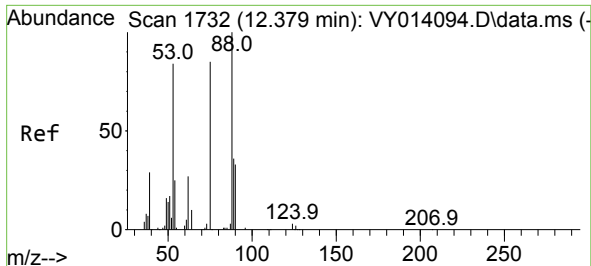
Tgt Ion: 75 Resp: 59516

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

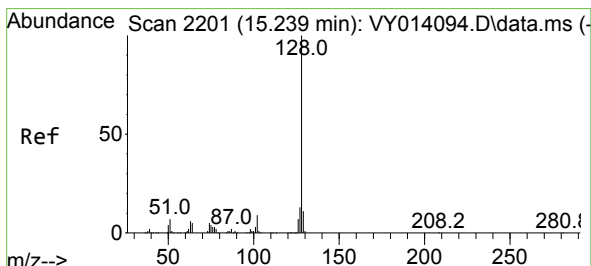
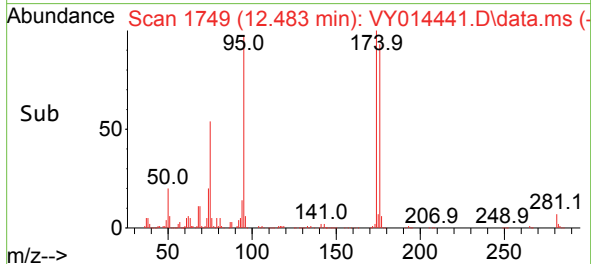
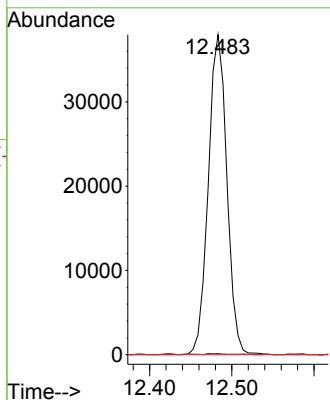
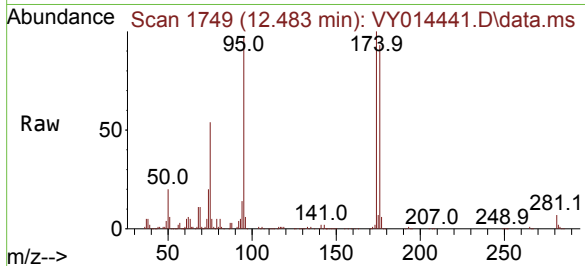




#81
trans-1,4-Dichloro-2-butene
Concen: 81.812 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014441.D
Acq: 26 Jun 2023 18:01

Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)

Tgt Ion: 75 Resp: 59516
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 16.090 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY014441.D
Acq: 26 Jun 2023 18:01

Tgt Ion:128 Resp: 91482
Ion Ratio Lower Upper
128 100
127 13.8 10.8 16.2
129 12.1 8.6 13.0

