

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014443.D
 Acq On : 26 Jun 2023 18:48
 Operator : KP/MD
 Sample : 03375-06
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jun 27 01:50:57 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)

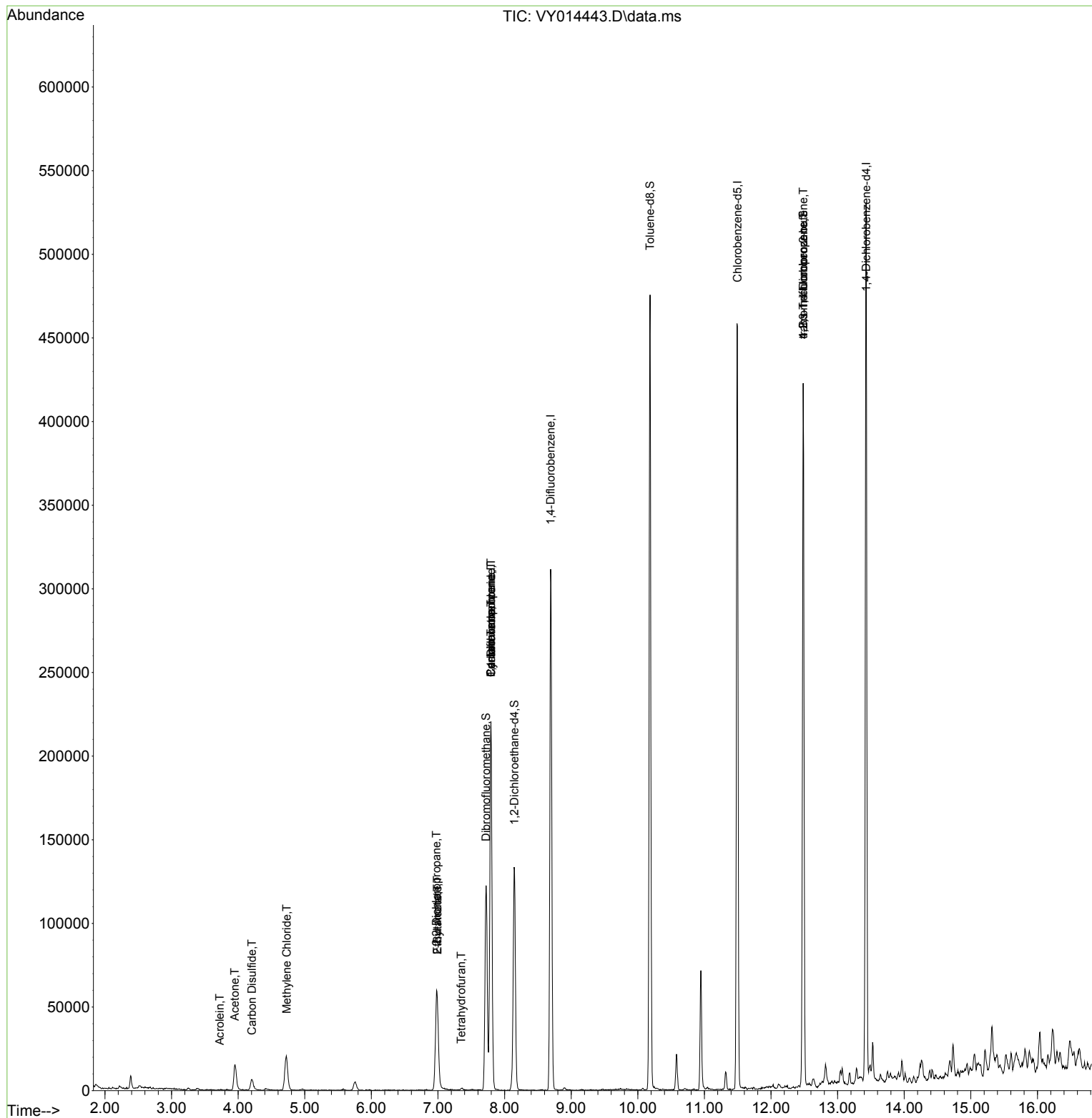
Internal Standards						
1) Pentafluorobenzene	7.795	168	177442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	266399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	255932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	136140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	116887	53.056	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.120%			
35) Dibromofluoromethane	7.722	113	82973	50.413	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.820%			
50) Toluene-d8	10.185	98	313229	47.876	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.760%			
62) 4-Bromofluorobenzene	12.483	95	111898	47.907	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.820%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	1021	Below Cal	#	96
13) Acrolein	3.723	56	123	4.760	ug/l #	14
16) Acetone	3.948	43	27101	39.093	ug/l	98
17) Carbon Disulfide	4.204	76	5673	1.121	ug/l	99
20) Methylene Chloride	4.729	84	15955	2.714	ug/l #	89
25) 2-Butanone	6.990	43	16241	18.809	ug/l	99
26) 2,2-Dichloropropane	6.978	77	3949	1.212	ug/l #	54
29) Tetrahydrofuran	7.350	42	593	1.152	ug/l	94
31) Cyclohexane	7.795	56	3675	1.350	ug/l #	34
36) 1,1-Dichloropropene	7.795	75	12354	4.871	ug/l #	53
37) Ethyl Acetate	6.990	43	16241	9.292	ug/l #	82
38) Carbon Tetrachloride	7.795	117	17046	5.341	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	64143	37.560	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	64143	85.511	ug/l #	11

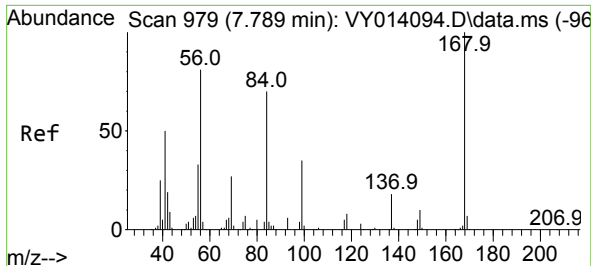
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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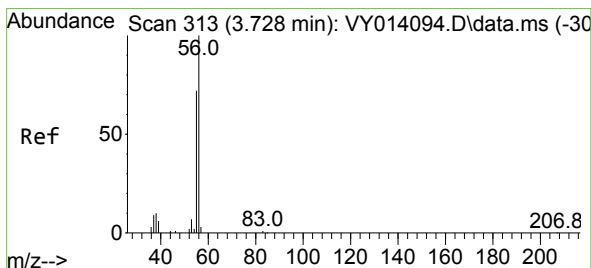
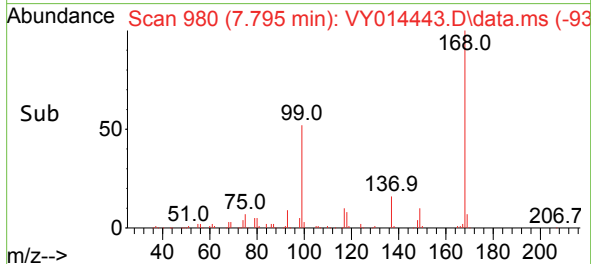
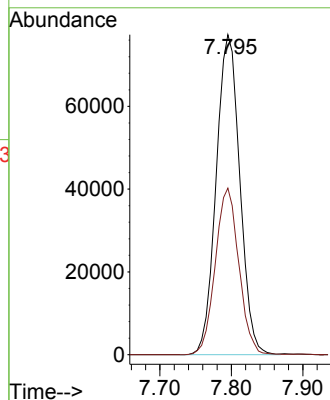
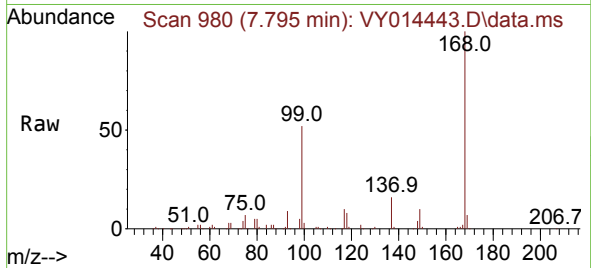




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

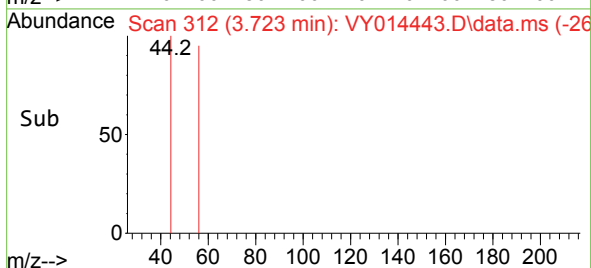
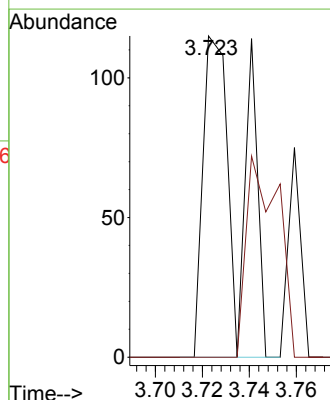
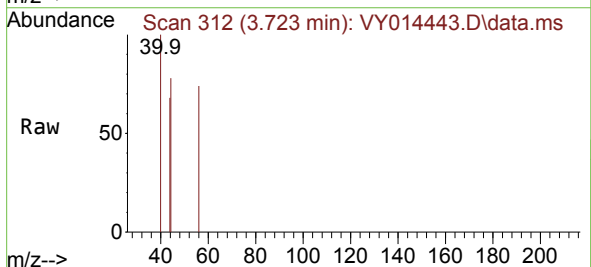
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)MSD

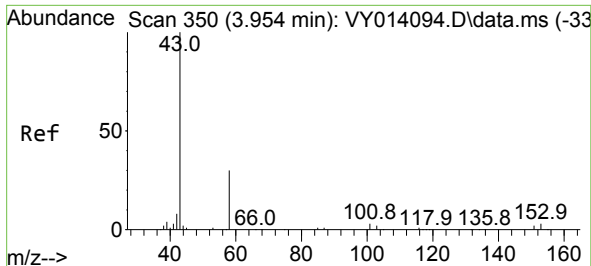
Tgt Ion:168 Resp: 177442
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#13
Acrolein
Concen: 4.760 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.005 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#

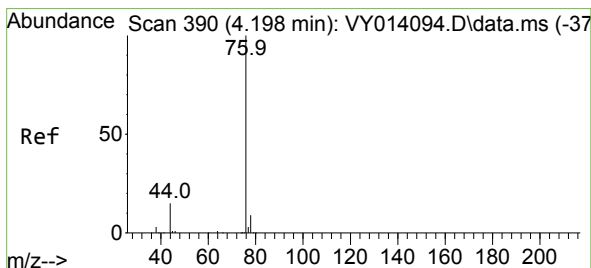
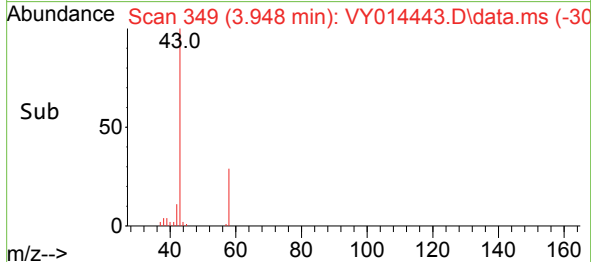
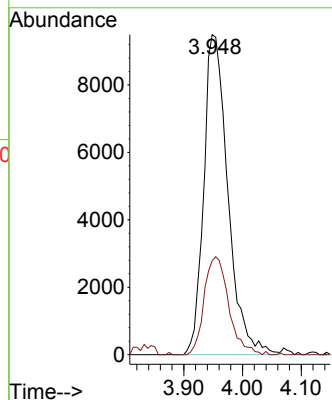
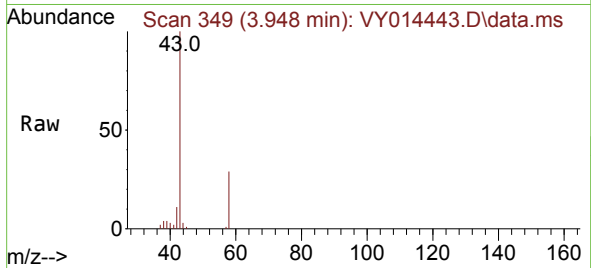




#16
Acetone
Concen: 39.093 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

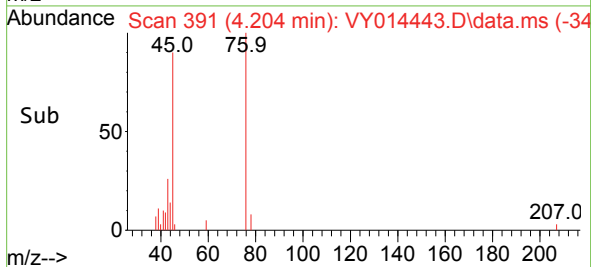
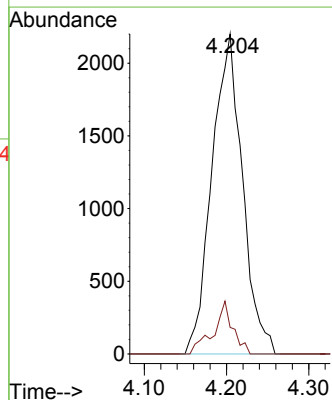
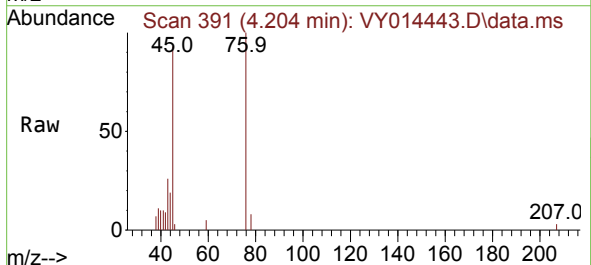
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)MSD

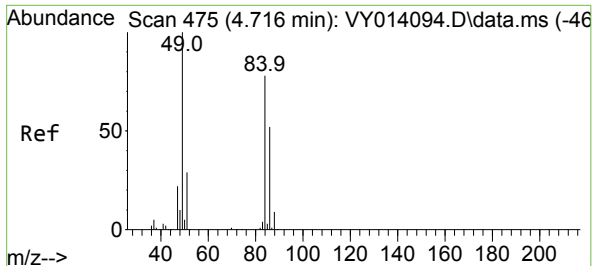
Tgt Ion: 43 Resp: 27101
Ion Ratio Lower Upper
43 100
58 29.4 22.7 34.1



#17
Carbon Disulfide
Concen: 1.121 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

Tgt Ion: 76 Resp: 5673
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.4

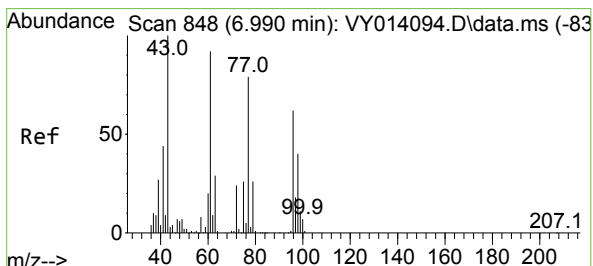
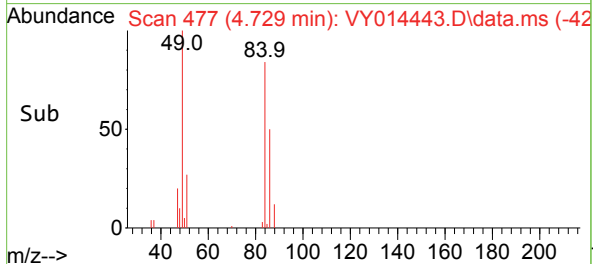
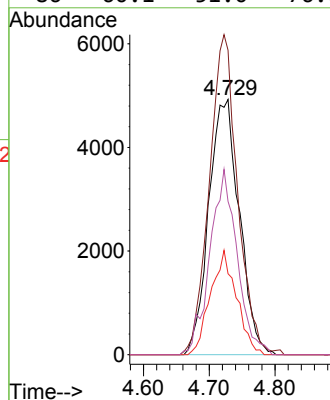
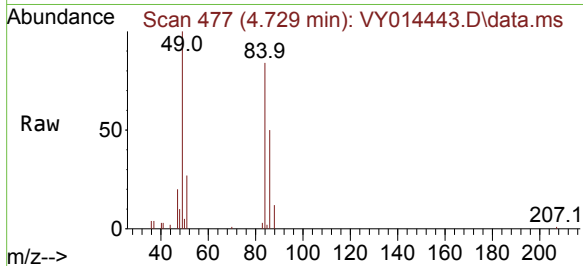




#20
Methylene Chloride
Concen: 2.714 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.013 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

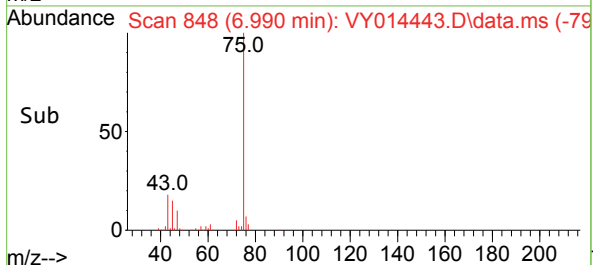
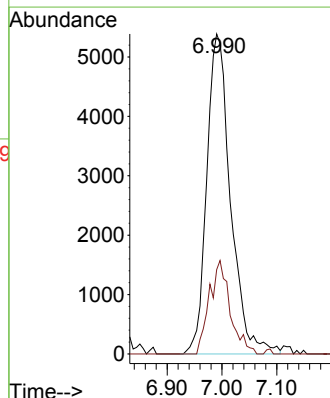
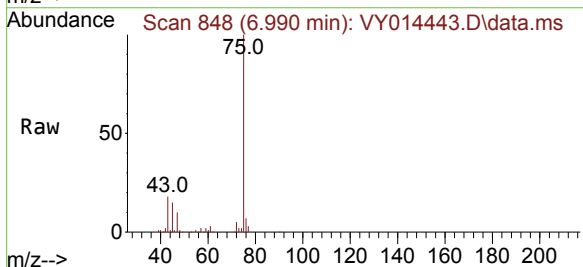
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)MSD

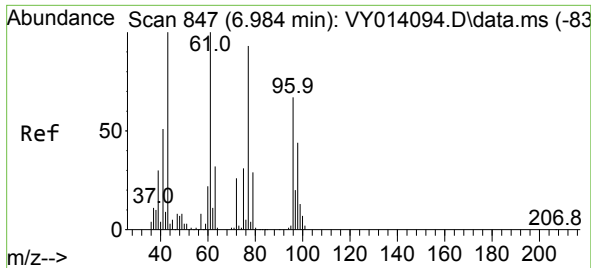
Tgt Ion: 84 Resp: 15955
Ion Ratio Lower Upper
84 100
49 119.4 106.9 160.3
51 31.7 33.2 49.8#
86 60.1 51.0 76.6



#25
2-Butanone
Concen: 18.809 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

Tgt Ion: 43 Resp: 16241
Ion Ratio Lower Upper
43 100
72 26.3 20.5 30.7

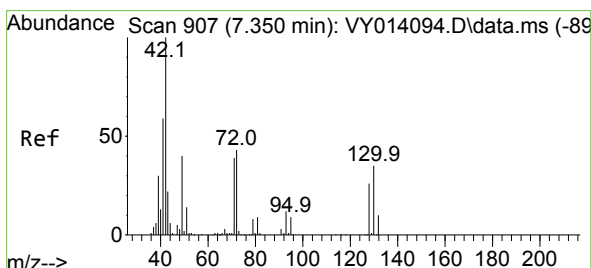
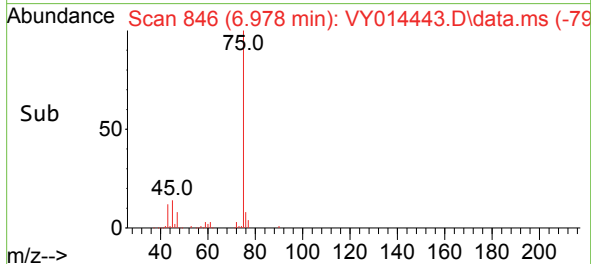
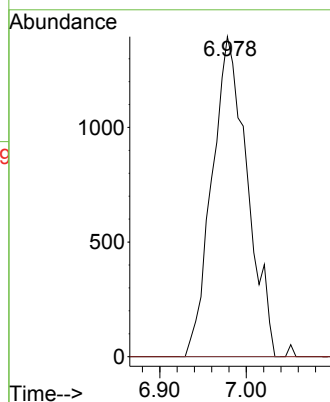
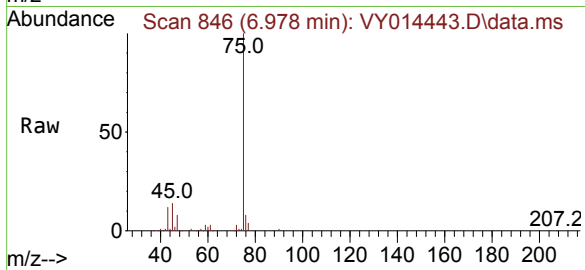




#26
2,2-Dichloropropane
Concen: 1.212 ug/l
RT: 6.978 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

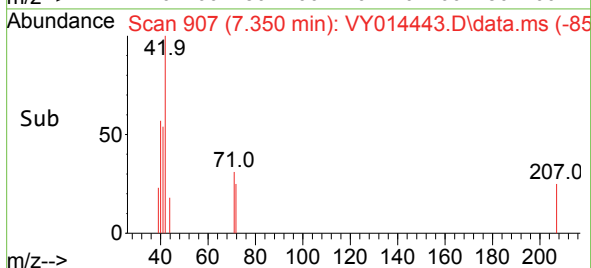
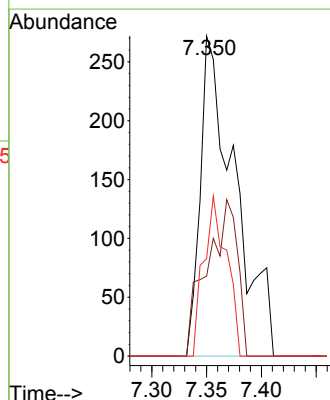
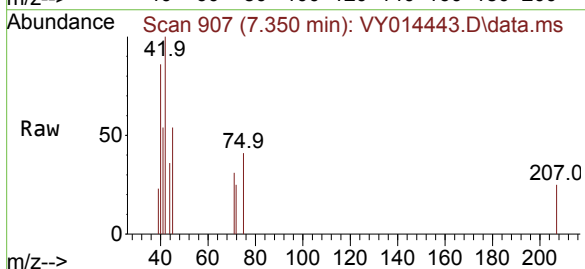
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)MSD

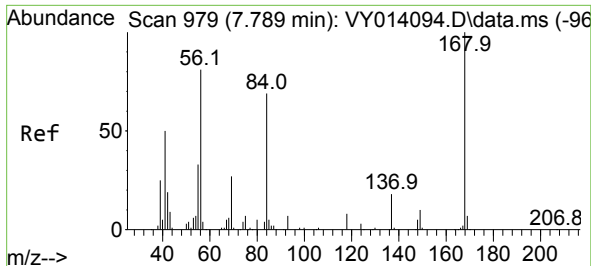
Tgt Ion: 77 Resp: 3949
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 1.152 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

Tgt Ion: 42 Resp: 593
Ion Ratio Lower Upper
42 100
72 43.3 32.8 49.2
71 33.4 31.0 46.4

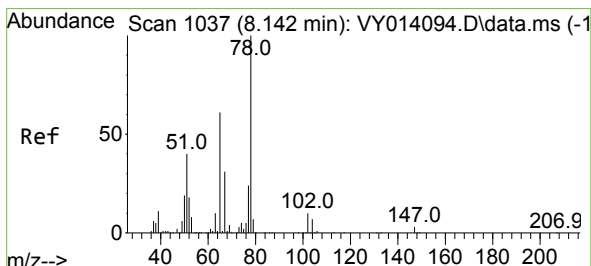
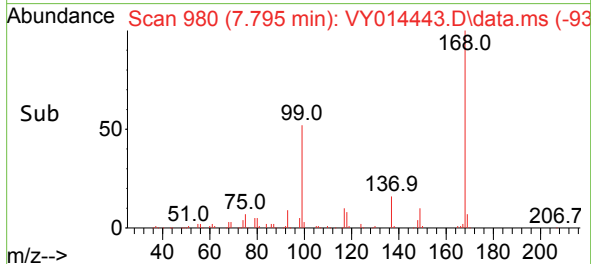
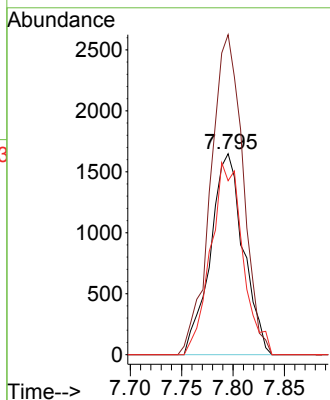
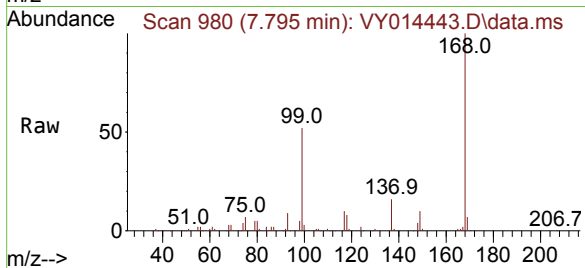




#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

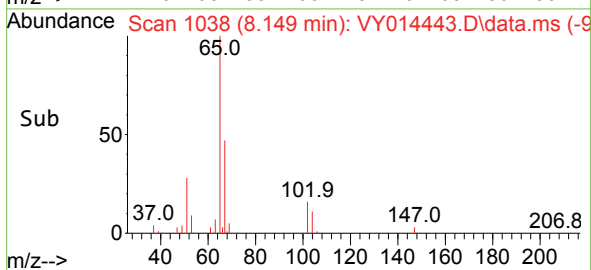
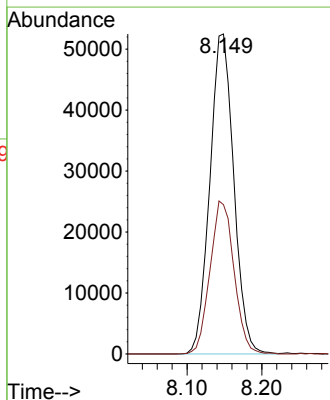
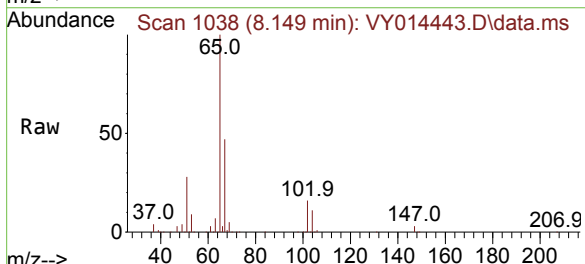
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)MSD

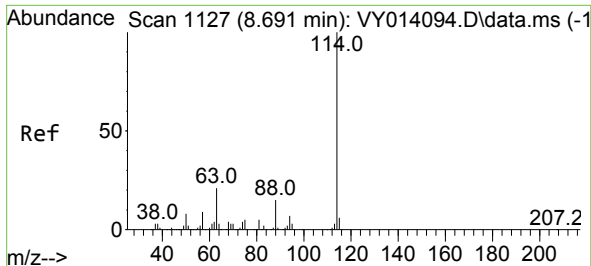
Tgt Ion: 56 Resp: 3675
Ion Ratio Lower Upper
56 100
69 159.3 27.8 41.6#
84 86.5 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 53.056 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

Tgt Ion: 65 Resp: 116887
Ion Ratio Lower Upper
65 100
67 48.0 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: VY014443.D

Acq: 26 Jun 2023 18:48

Instrument :

MSVOA_Y

ClientSampleId :

SB-2(8-10)MSD

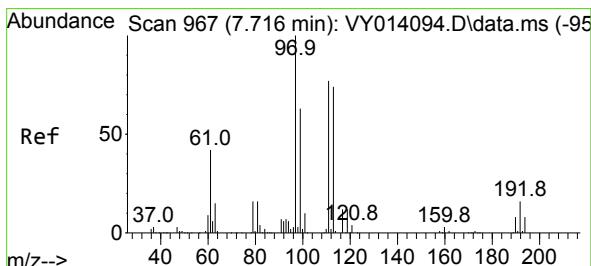
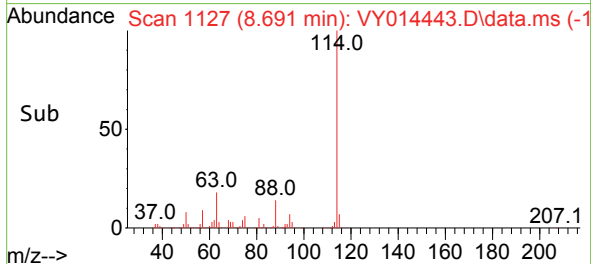
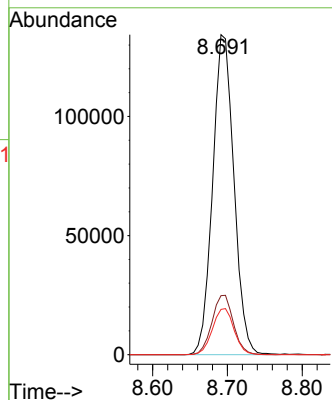
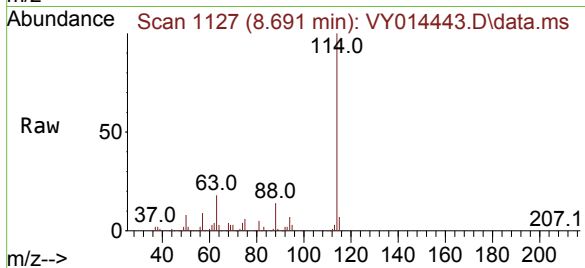
Tgt Ion:114 Resp: 266399

Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.413 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014443.D

Acq: 26 Jun 2023 18:48

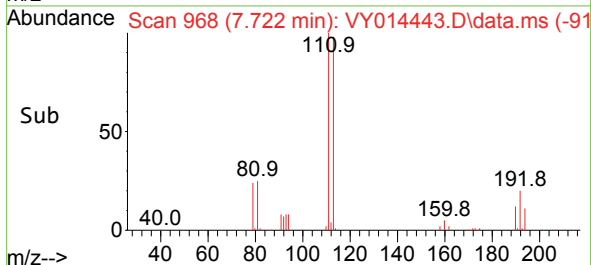
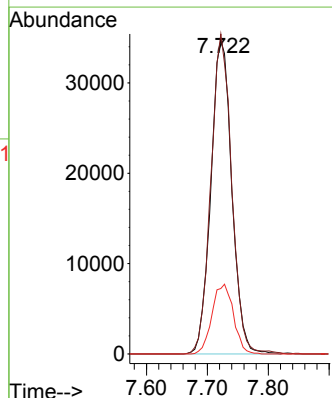
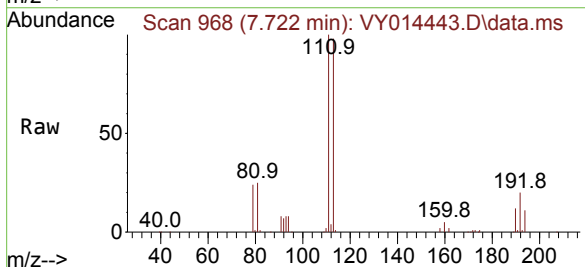
Tgt Ion:113 Resp: 82973

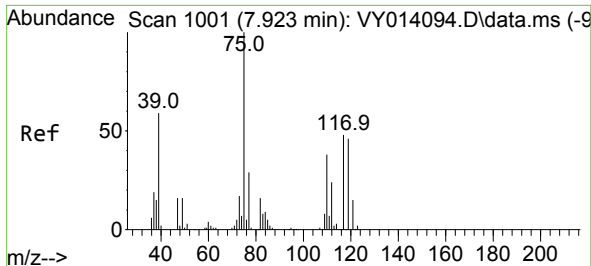
Ion Ratio Lower Upper

113 100

111 101.2 81.3 121.9

192 22.8 16.9 25.3

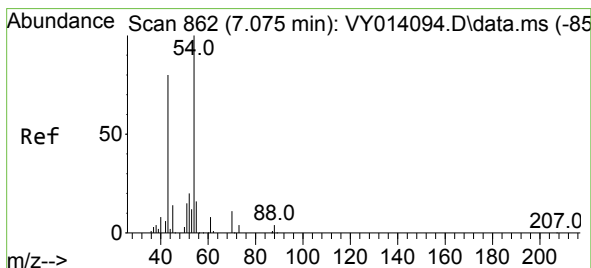
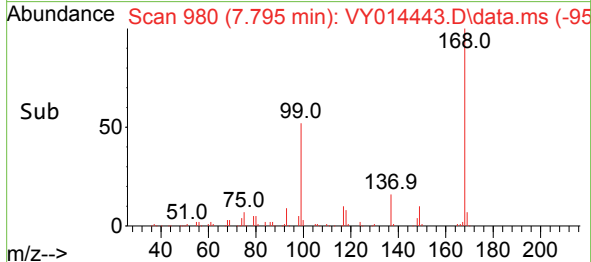
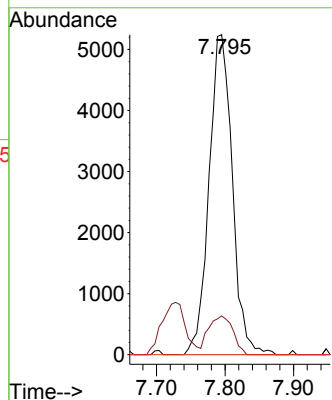
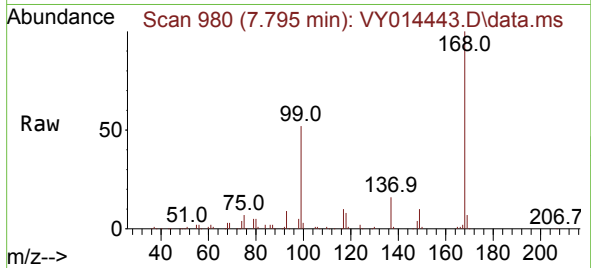




#36
1,1-Dichloropropene
Concen: 4.871 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

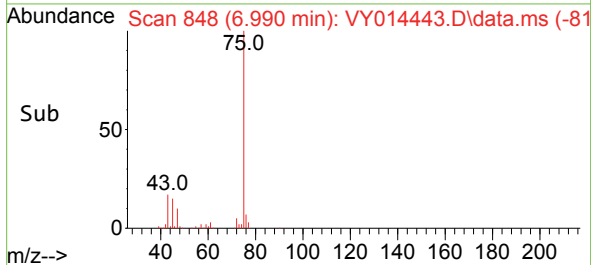
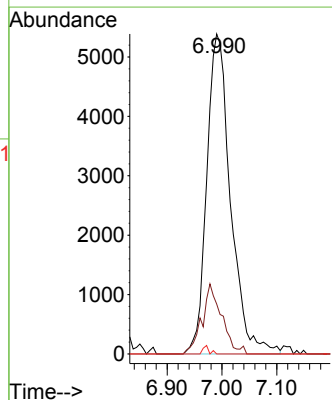
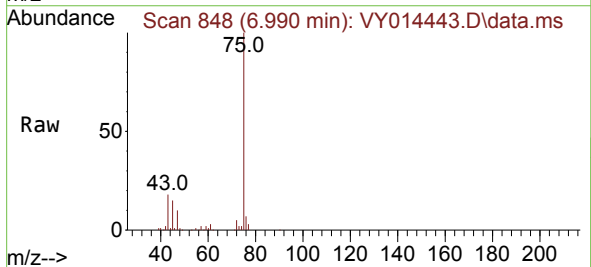
Instrument :
MSVOA_Y
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SB-2(8-10)MSD

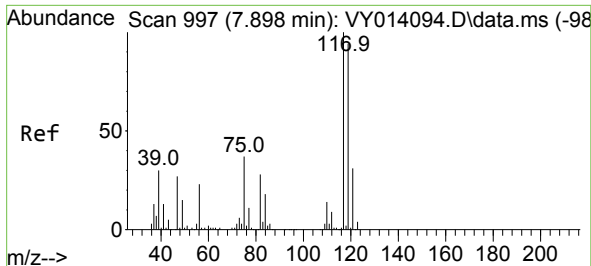
Tgt Ion: 75 Resp: 12354
Ion Ratio Lower Upper
75 100
110 12.6 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 9.292 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.085 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

Tgt Ion: 43 Resp: 16241
Ion Ratio Lower Upper
43 100
61 18.1 10.1 15.1#
70 0.7 7.1 10.7#

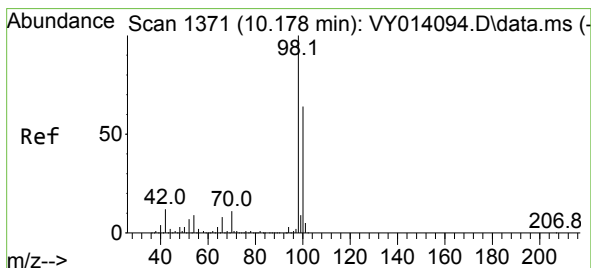
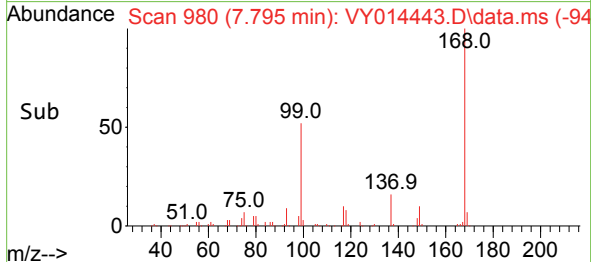
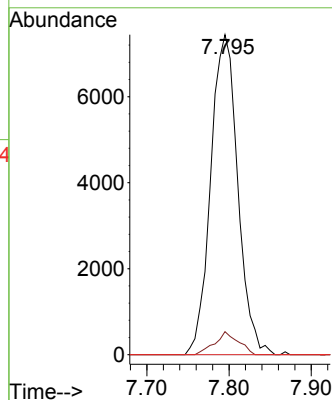
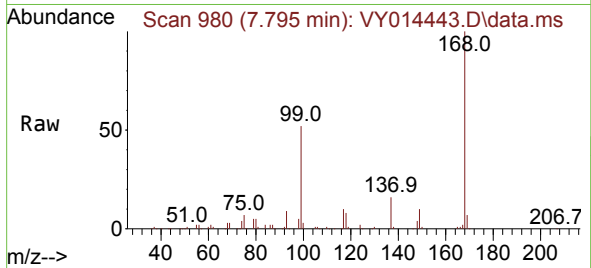




#38
Carbon Tetrachloride
Concen: 5.341 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

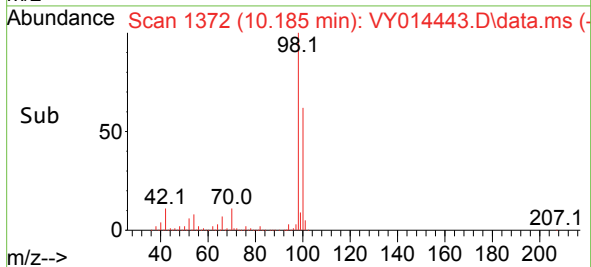
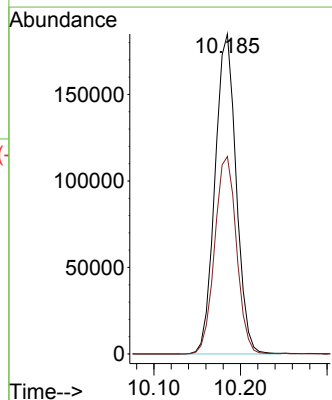
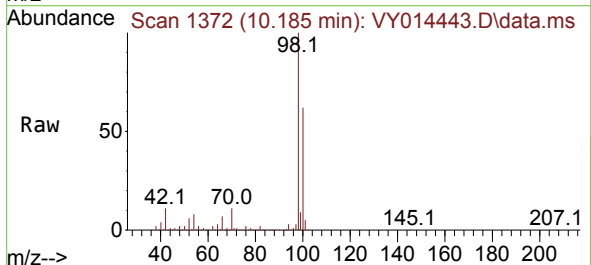
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)MSD

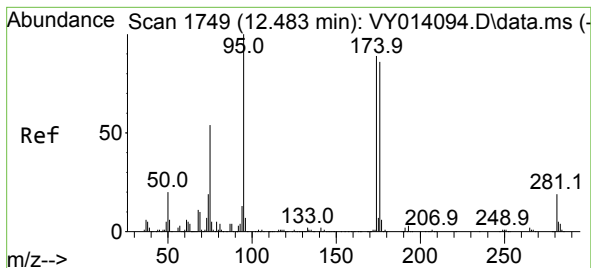
Tgt Ion:117 Resp: 17046
Ion Ratio Lower Upper
117 100
119 7.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.876 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

Tgt Ion: 98 Resp: 313229
Ion Ratio Lower Upper
98 100
100 63.8 50.1 75.1

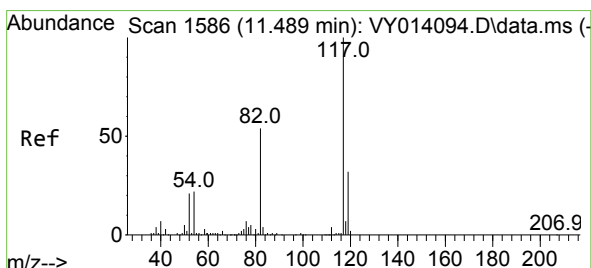
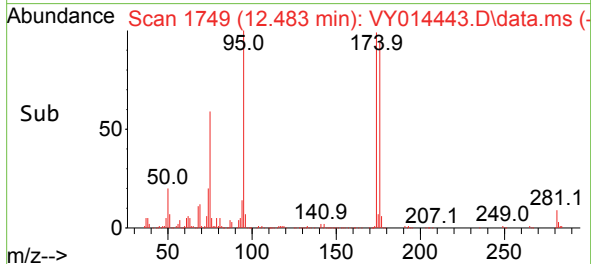
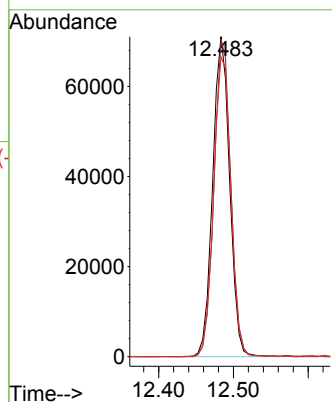
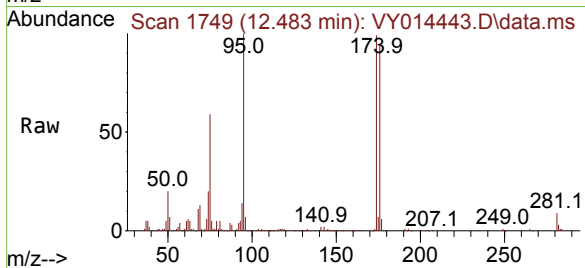




#62
4-Bromofluorobenzene
Concen: 47.907 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

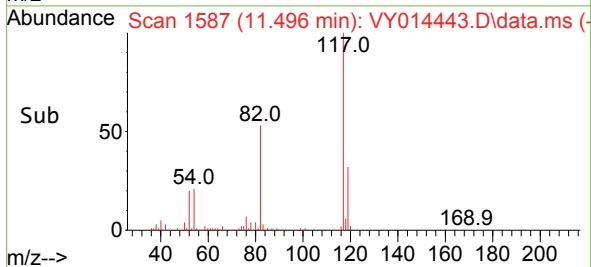
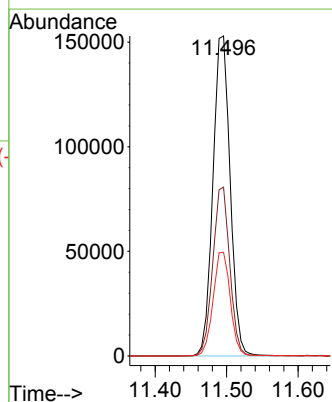
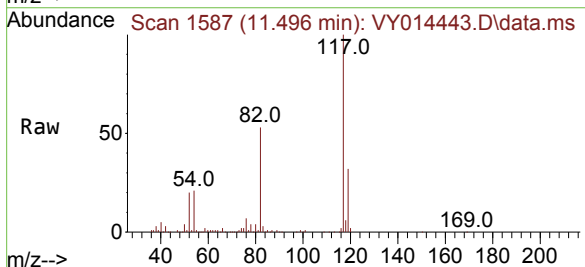
Instrument :
MSVOA_Y
ClientSampleId :
SB-2(8-10)MSD

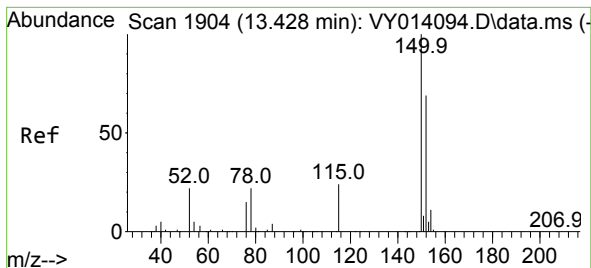
Tgt Ion: 95 Resp: 111898
Ion Ratio Lower Upper
95 100
174 98.2 0.0 178.2
176 95.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014443.D
Acq: 26 Jun 2023 18:48

Tgt Ion: 117 Resp: 255932
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 32.4 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: VY014443.D

Acq: 26 Jun 2023 18:48

Instrument :

MSVOA_Y

ClientSampleId :

SB-2(8-10)MSD

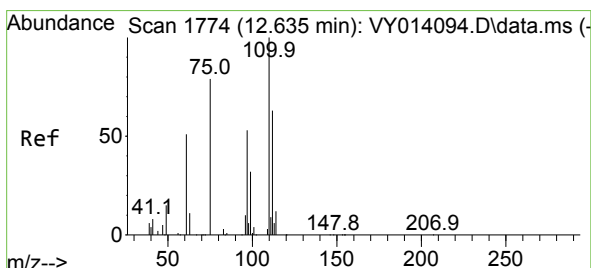
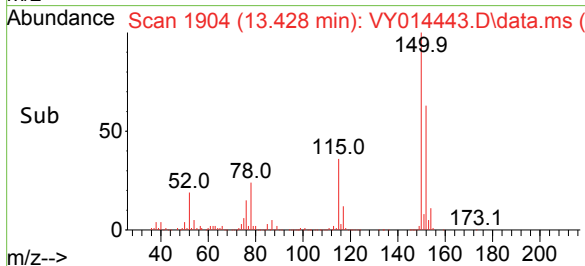
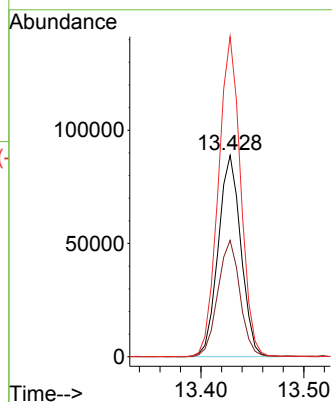
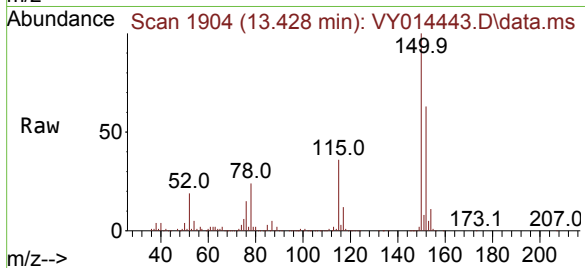
Tgt Ion:152 Resp: 136140

Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.5

150 156.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.560 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014443.D

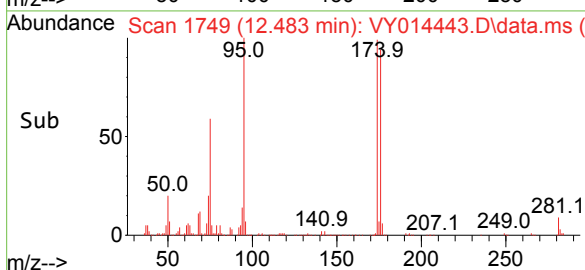
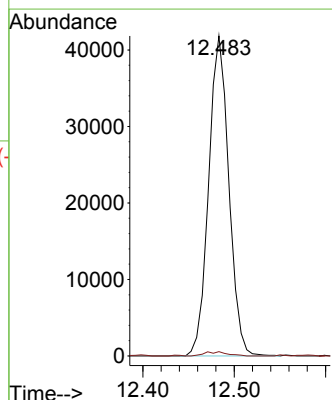
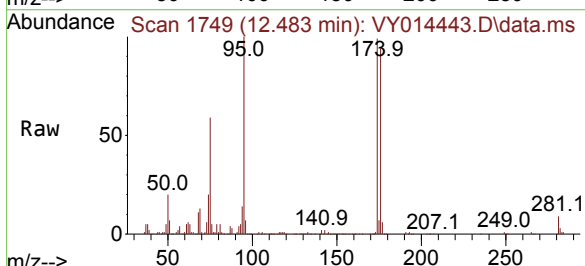
Acq: 26 Jun 2023 18:48

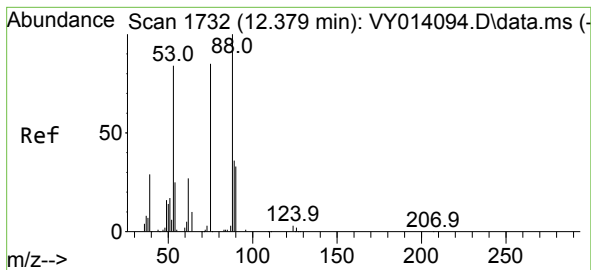
Tgt Ion: 75 Resp: 64143

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.511 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014443.D
 Acq: 26 Jun 2023 18:48

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

Tgt Ion: 75 Resp: 64143
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

