

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070523\
 Data File : VY014562.D
 Acq On : 05 Jul 2023 16:44
 Operator : KP/MD
 Sample : 03492-04
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TB-TP2

Quant Time: Jul 06 01:34:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

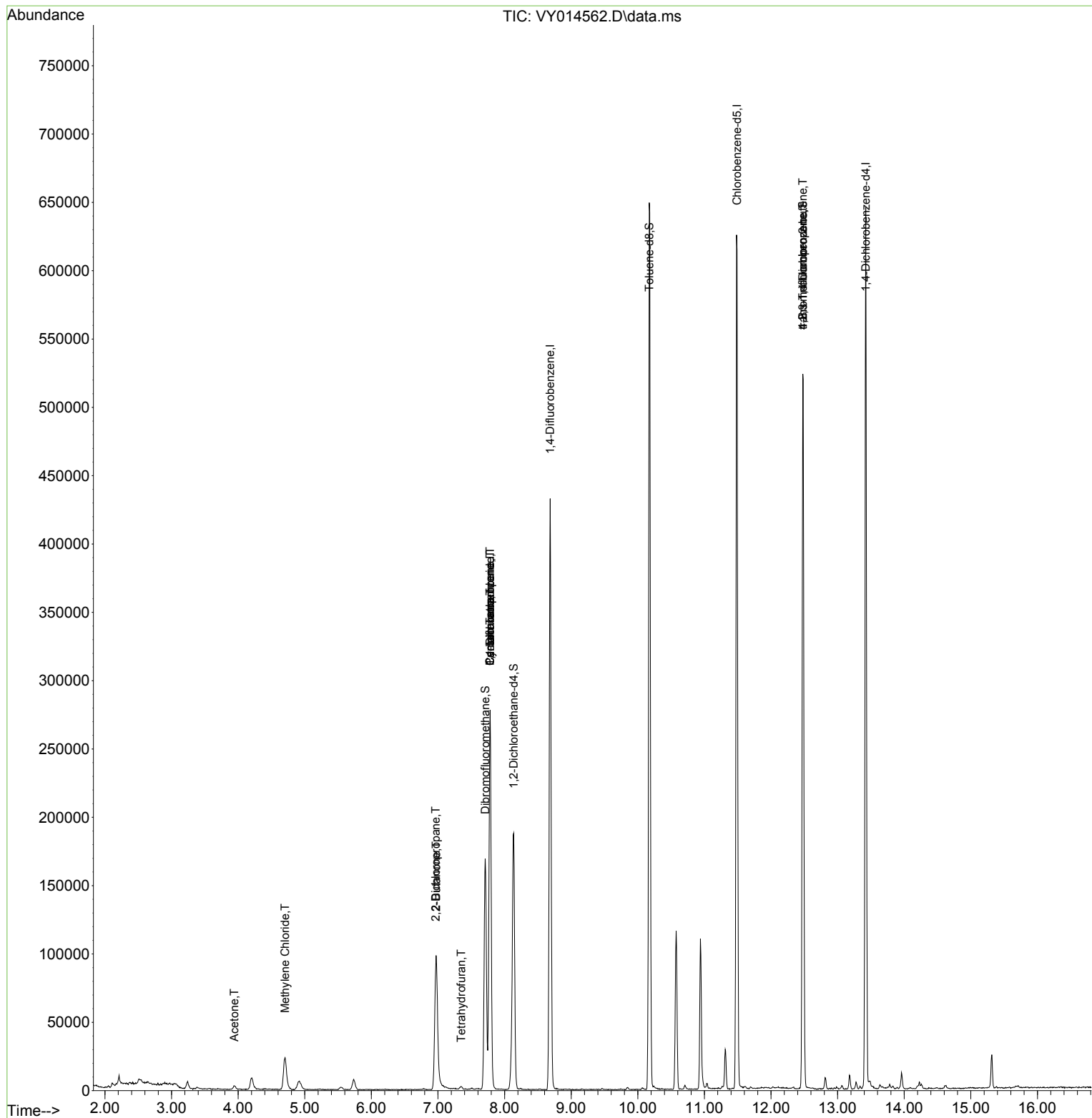
Internal Standards						
1) Pentafluorobenzene	7.783	168	229934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	372298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	365439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	170953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	143482	62.729	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.460%	
35) Dibromofluoromethane	7.710	113	124501	54.305	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.600%	
50) Toluene-d8	10.173	98	448903	49.531	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.060%	
62) 4-Bromofluorobenzene	12.477	95	149672	47.559	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.120%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	39	Below Cal	#	43
11) Tert butyl alcohol	4.899	59	7276	Below Cal	#	89
16) Acetone	3.942	43	4618	6.465	ug/l	93
20) Methylene Chloride	4.704	84	18905	2.401	ug/l #	84
25) 2-Butanone	6.972	43	5270	4.983	ug/l	90
26) 2,2-Dichloropropane	6.966	77	7820	2.182	ug/l #	54
29) Tetrahydrofuran	7.350	42	1481	2.171	ug/l	91
31) Cyclohexane	7.783	56	4386	1.222	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	16483	4.695	ug/l #	49
38) Carbon Tetrachloride	7.783	117	20378	5.560	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	72848	36.314	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	72848	70.682	ug/l #	11

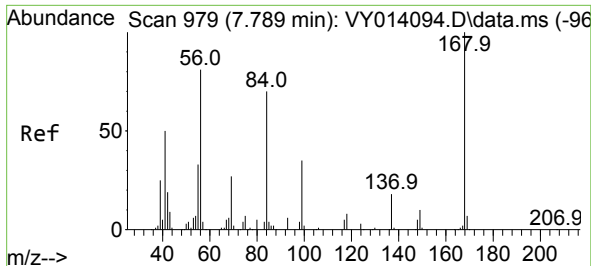
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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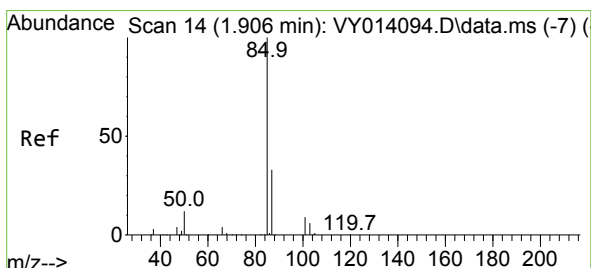
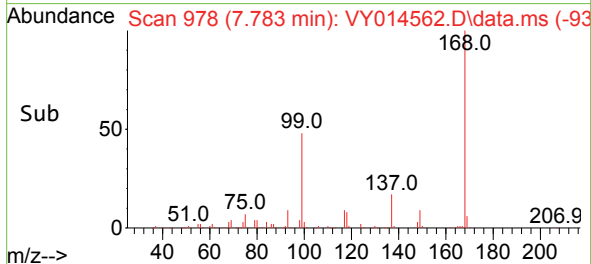
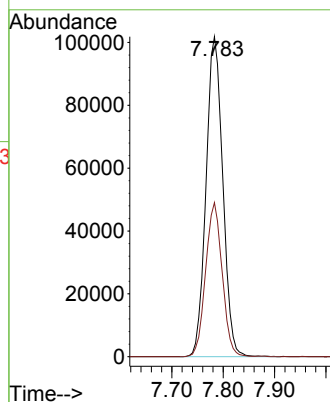
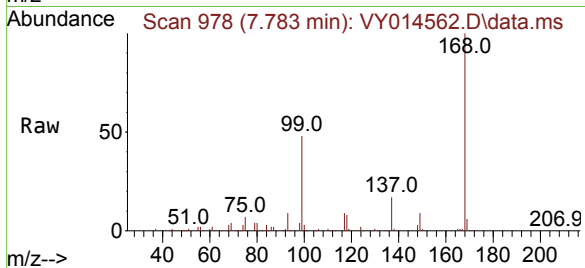




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

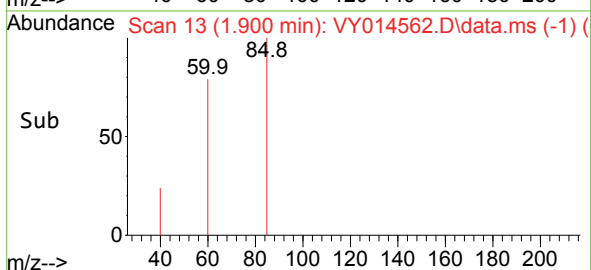
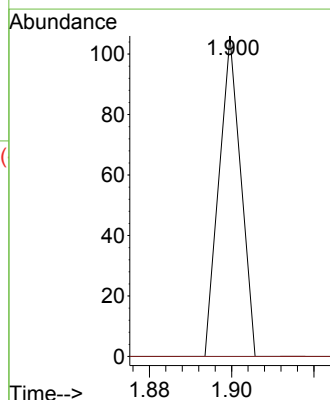
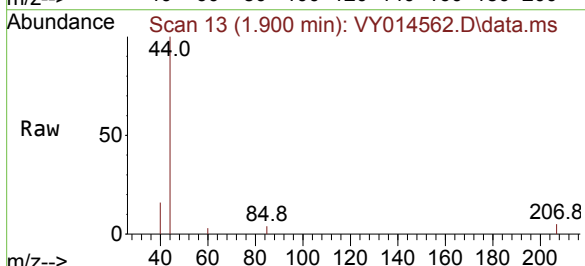
Instrument :
MSVOA_Y
ClientSampleId :
TB-TP2

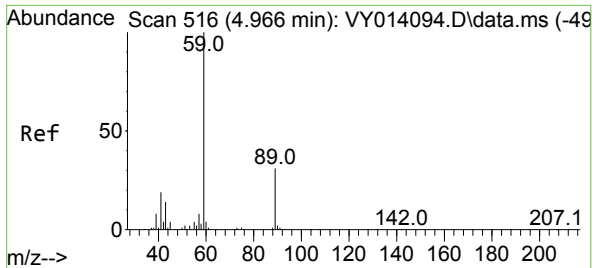
Tgt Ion:168 Resp: 229934
Ion Ratio Lower Upper
168 100
99 48.2 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

Tgt Ion: 85 Resp: 39
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

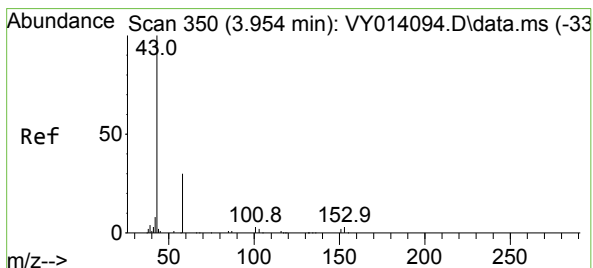
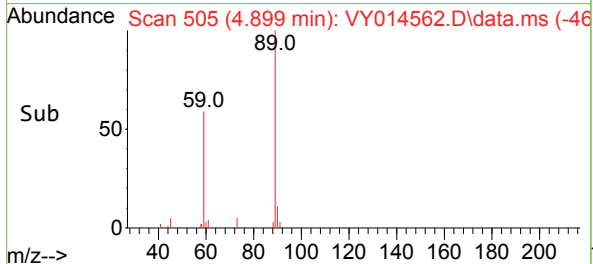
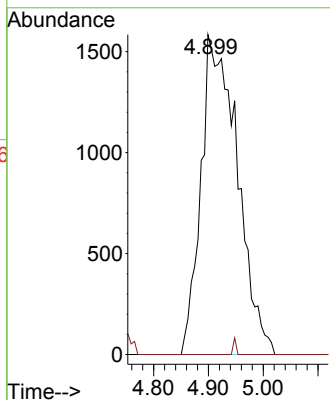
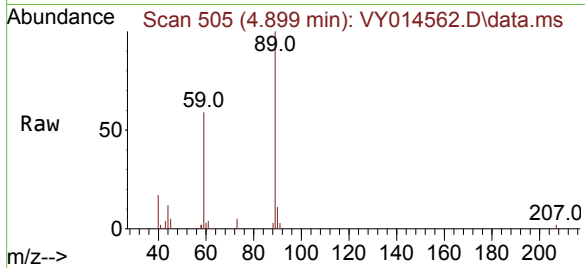




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.899 min Scan# 50
Delta R.T. -0.067 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

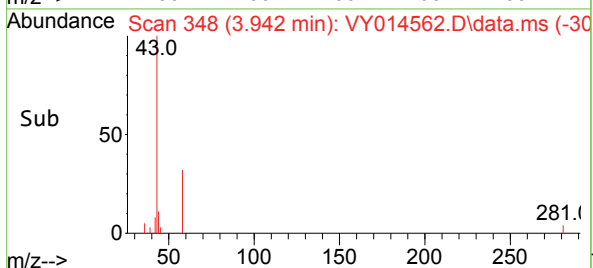
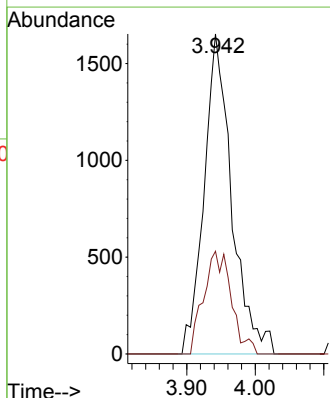
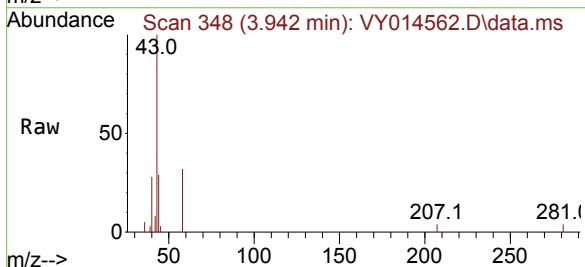
Instrument :
MSVOA_Y
ClientSampleId :
TB-TP2

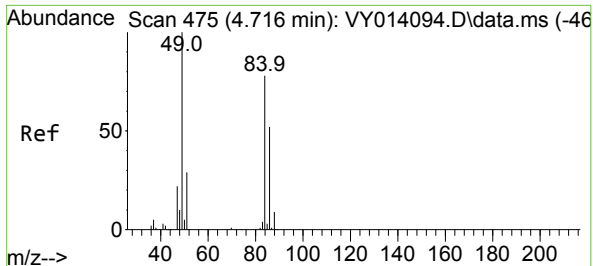
Tgt Ion: 59 Resp: 7276
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 6.465 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

Tgt Ion: 43 Resp: 4618
Ion Ratio Lower Upper
43 100
58 32.1 22.7 34.1

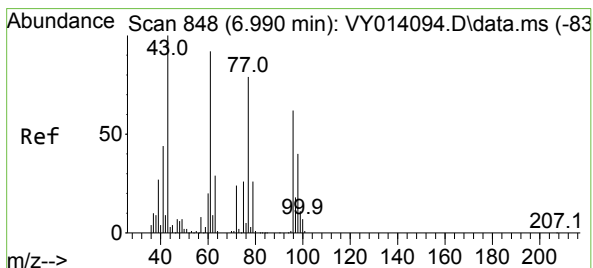
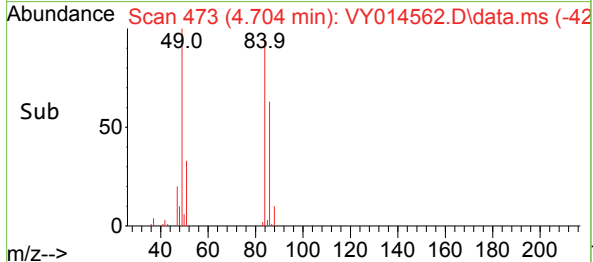
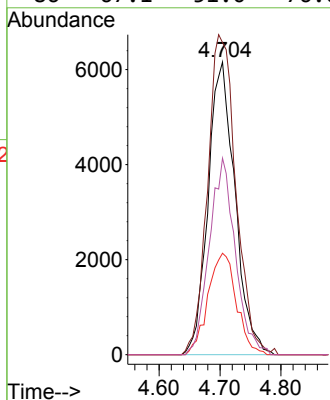
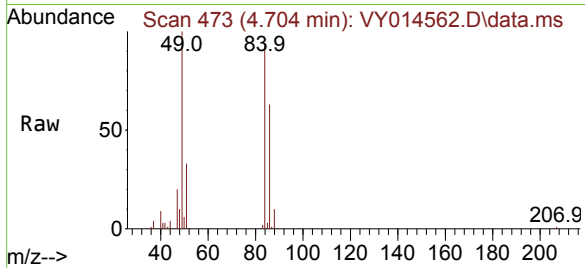




#20
Methylene Chloride
Concen: 2.401 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

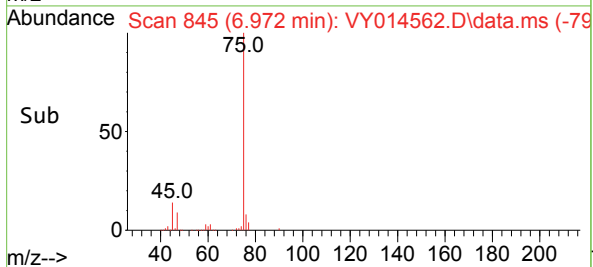
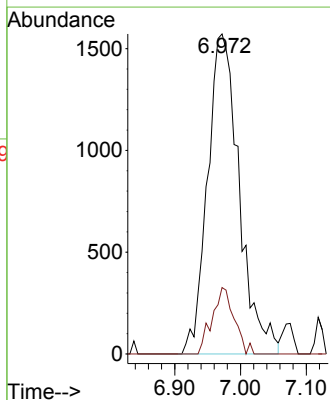
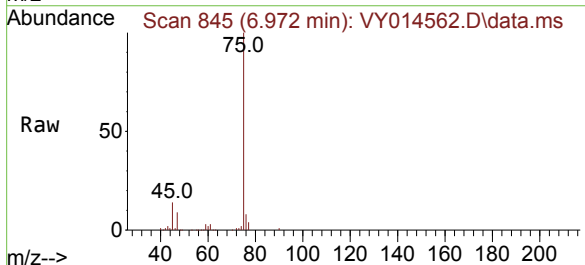
Instrument :
MSVOA_Y
ClientSampleId :
TB-TP2

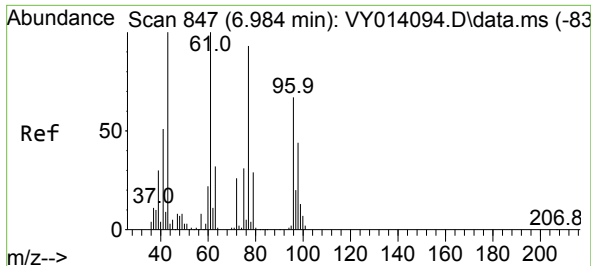
Tgt Ion: 84 Resp: 18905
Ion Ratio Lower Upper
84 100
49 106.7 106.9 160.3#
51 34.7 33.2 49.8
86 67.1 51.0 76.6



#25
2-Butanone
Concen: 4.983 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

Tgt Ion: 43 Resp: 5270
Ion Ratio Lower Upper
43 100
72 20.7 20.5 30.7





#26

2,2-Dichloropropane

Concen: 2.182 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY014562.D

Acq: 05 Jul 2023 16:44

Instrument :

MSVOA_Y

ClientSampleId :

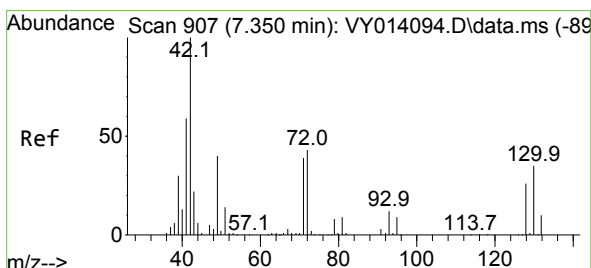
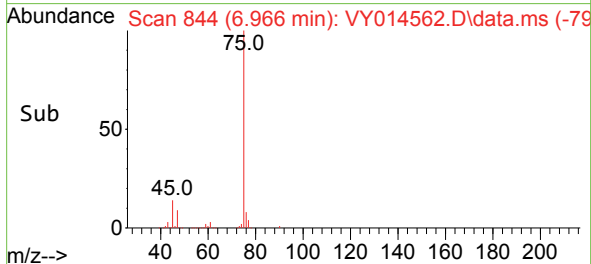
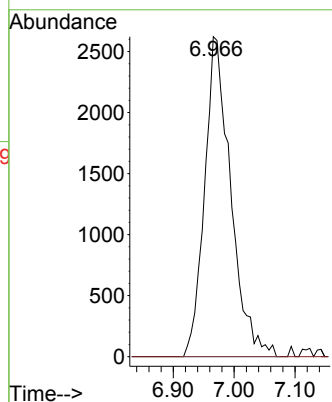
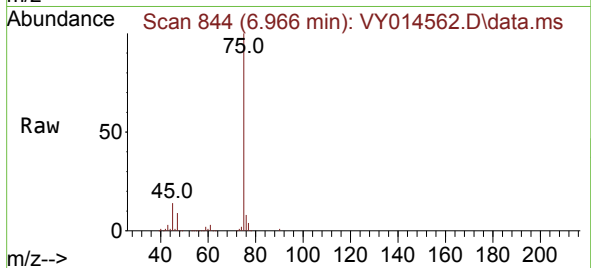
TB-TP2

Tgt Ion: 77 Resp: 7820

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 2.171 ug/l

RT: 7.350 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY014562.D

Acq: 05 Jul 2023 16:44

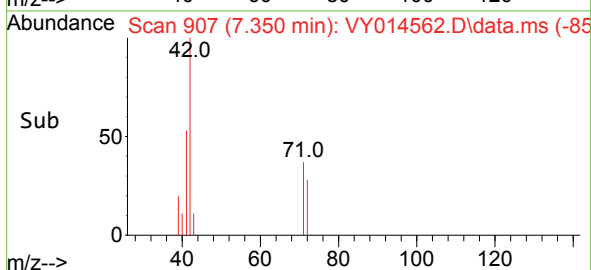
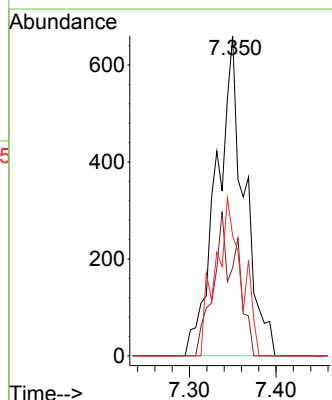
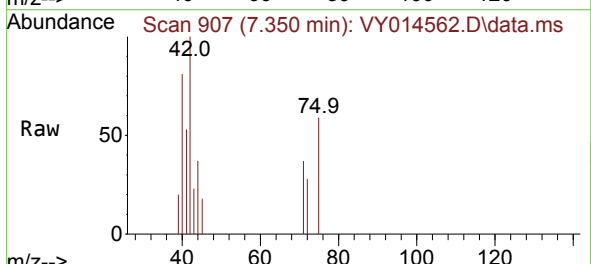
Tgt Ion: 42 Resp: 1481

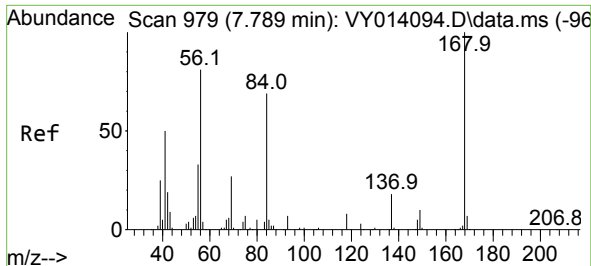
Ion Ratio Lower Upper

42 100

72 36.9 32.8 49.2

71 45.4 31.0 46.4

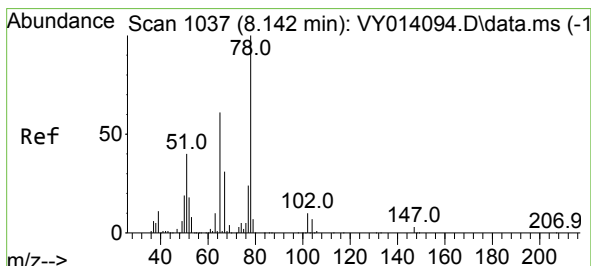
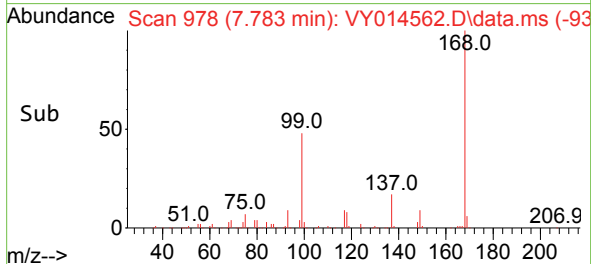
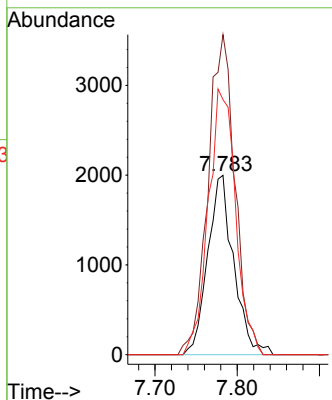
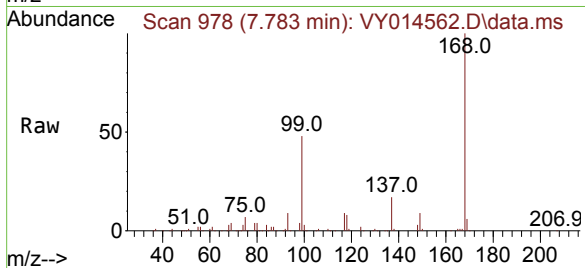




#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

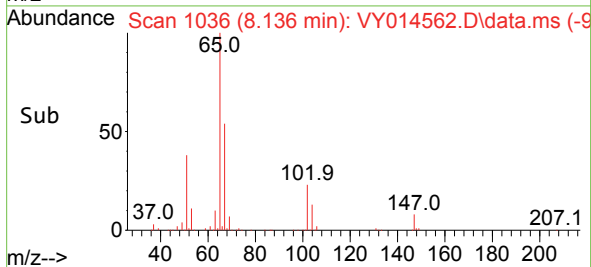
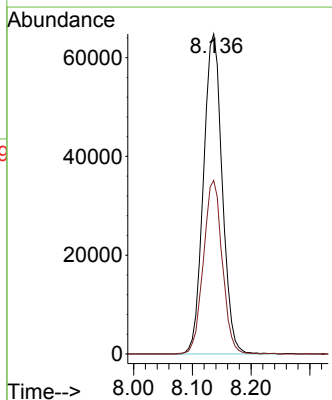
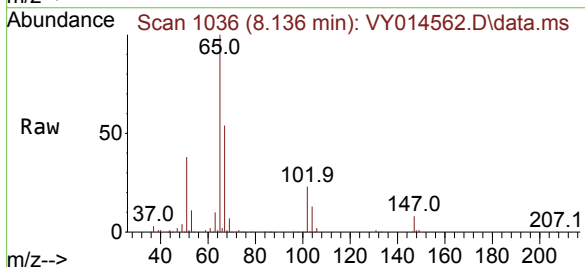
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TB-TP2

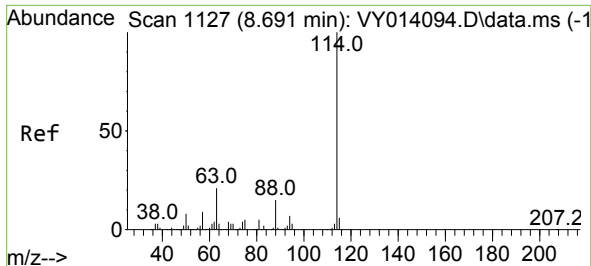
Tgt Ion: 56 Resp: 4386
Ion Ratio Lower Upper
56 100
69 178.4 27.8 41.6#
84 147.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 62.729 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

Tgt Ion: 65 Resp: 143482
Ion Ratio Lower Upper
65 100
67 54.5 0.0 101.8

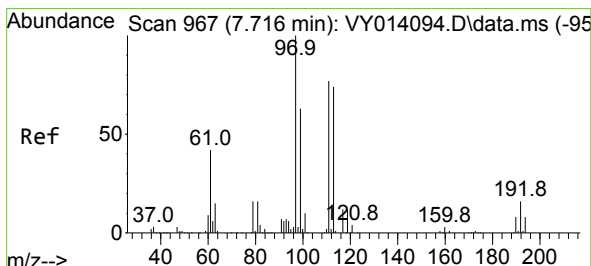
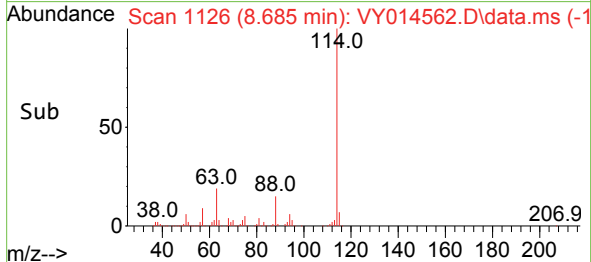
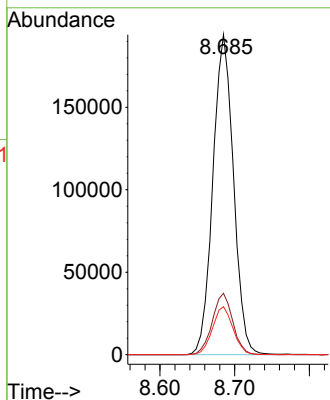
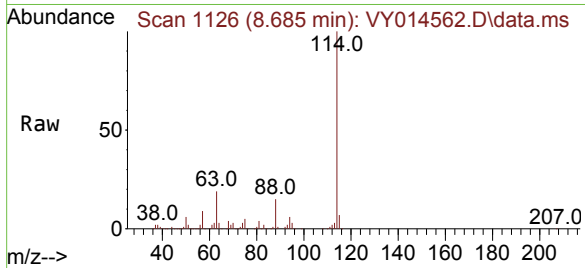




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

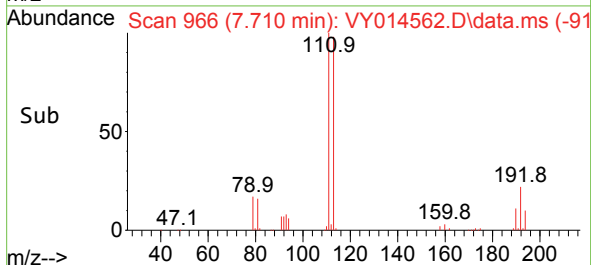
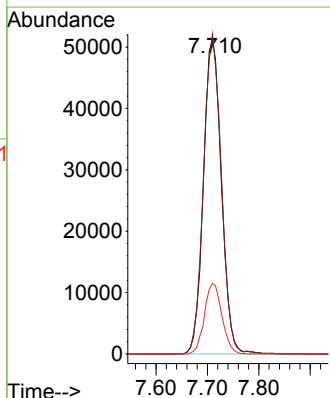
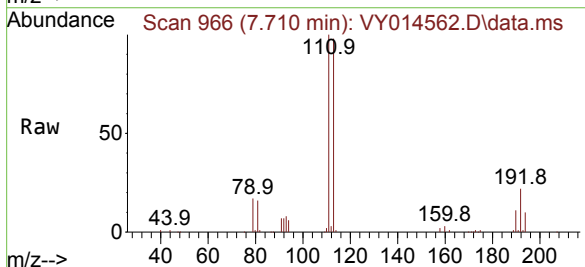
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ClientSampleId :
TB-TP2

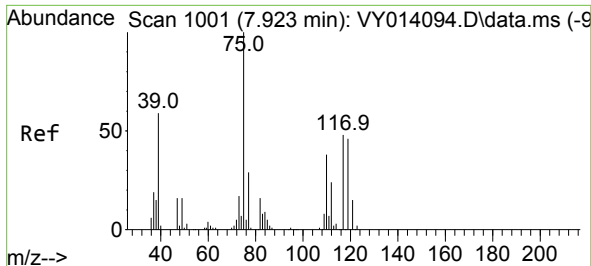
Tgt Ion:114 Resp: 372298
Ion Ratio Lower Upper
114 100
63 19.2 0.0 42.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 54.305 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

Tgt Ion:113 Resp: 124501
Ion Ratio Lower Upper
113 100
111 100.9 81.3 121.9
192 21.8 16.9 25.3

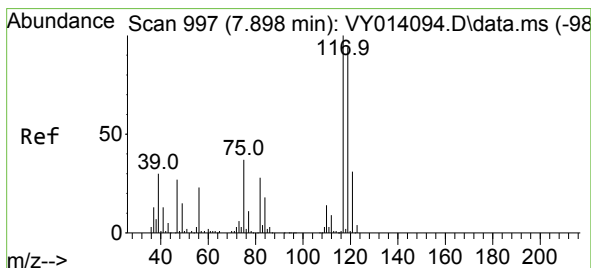
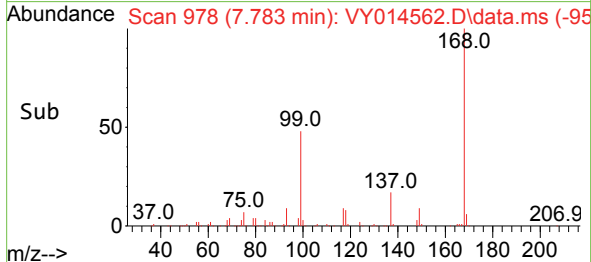
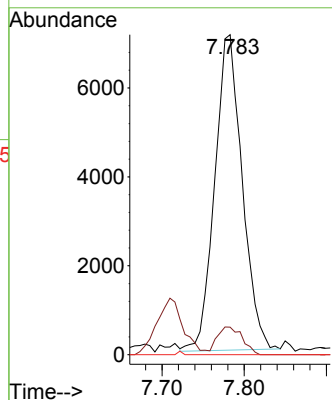
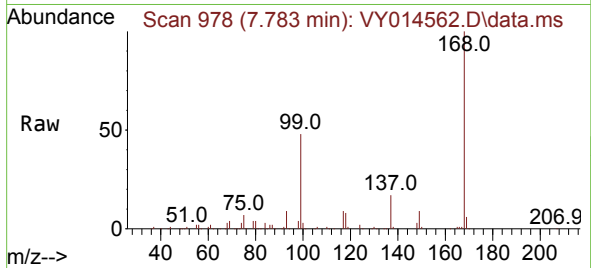




#36
1,1-Dichloropropene
Concen: 4.695 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

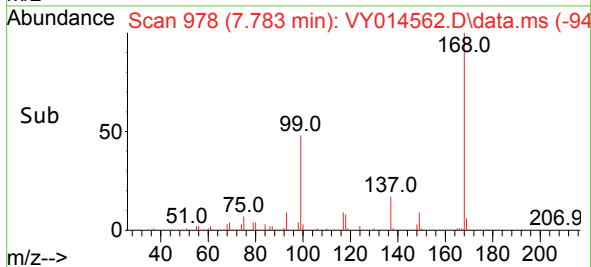
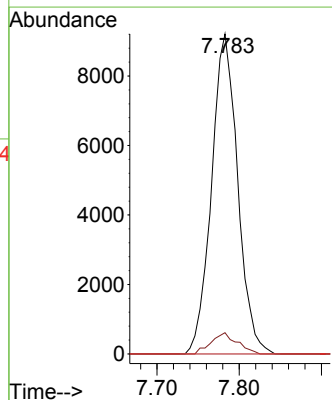
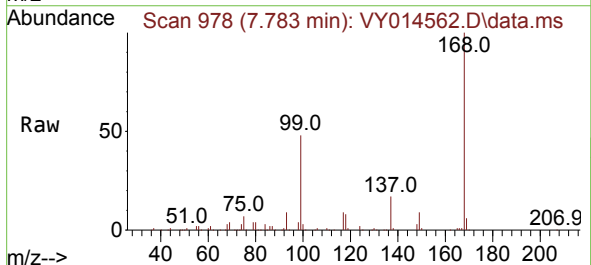
Instrument :
MSVOA_Y
ClientSampleId :
TB-TP2

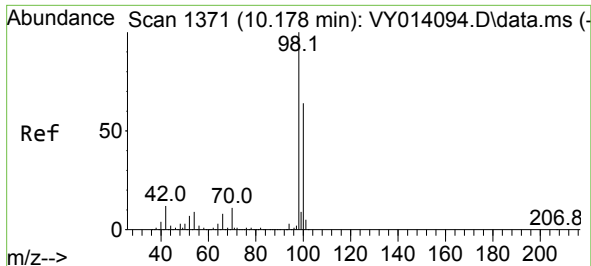
Tgt Ion: 75 Resp: 16483
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.560 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.115 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

Tgt Ion: 117 Resp: 20378
Ion Ratio Lower Upper
117 100
119 6.6 76.4 114.6#
121 0.0 25.8 38.6#

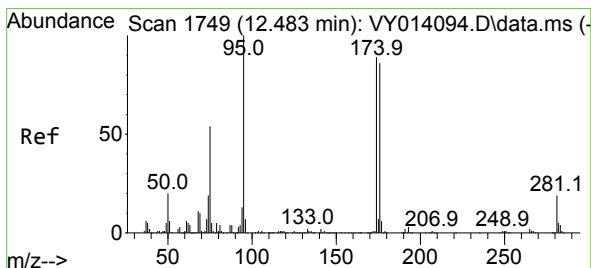
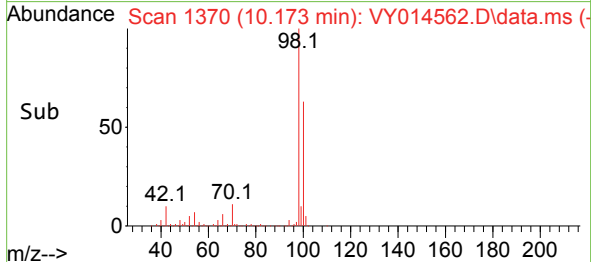
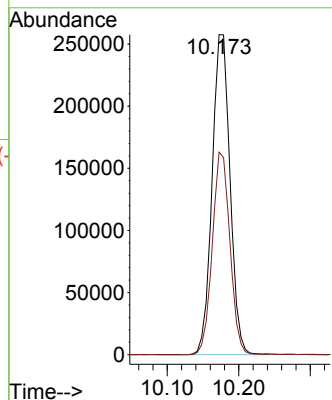
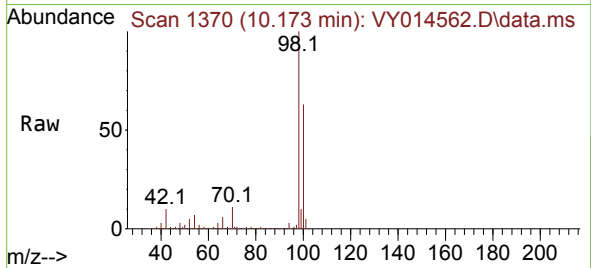




#50
Toluene-d8
Concen: 49.531 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.005 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

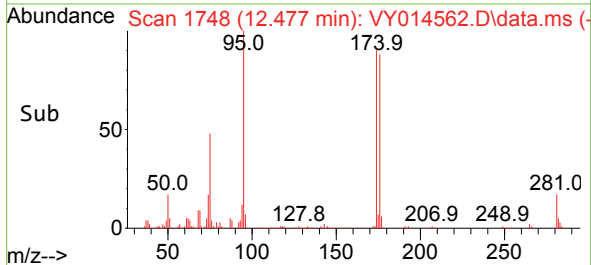
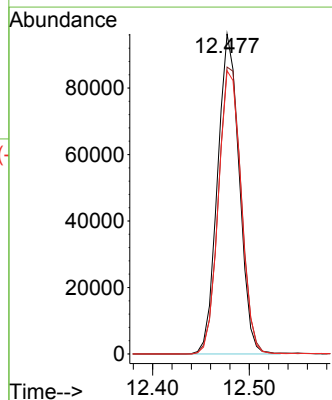
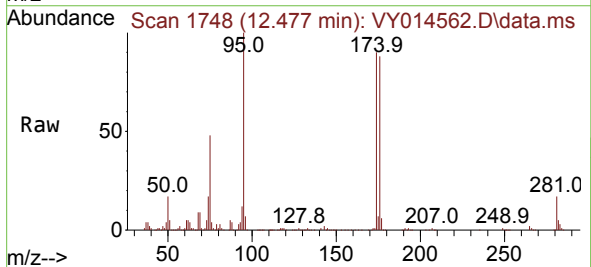
Instrument :
MSVOA_Y
ClientSampleId :
TB-TP2

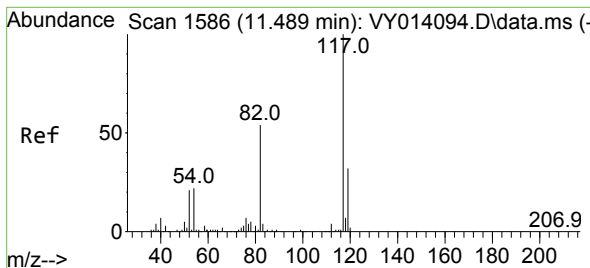
Tgt Ion: 98 Resp: 448903
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.559 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

Tgt Ion: 95 Resp: 149672
Ion Ratio Lower Upper
95 100
174 94.2 0.0 178.2
176 92.3 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: VY014562.D

Acq: 05 Jul 2023 16:44

Instrument :

MSVOA_Y

ClientSampleId :

TB-TP2

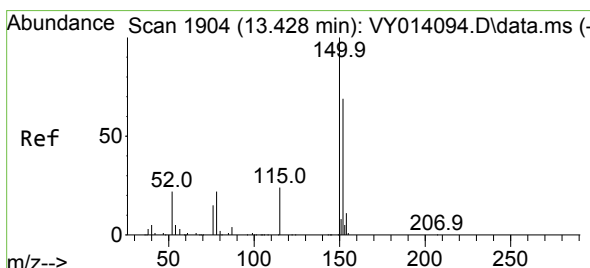
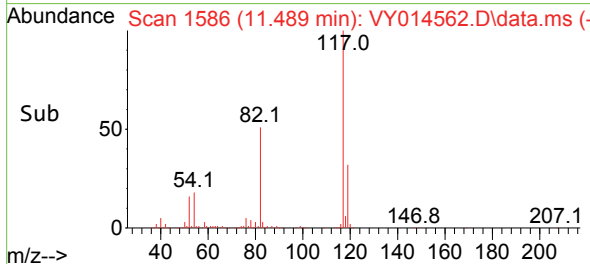
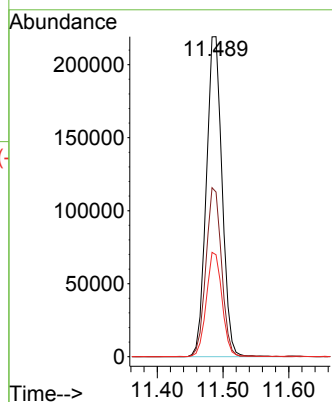
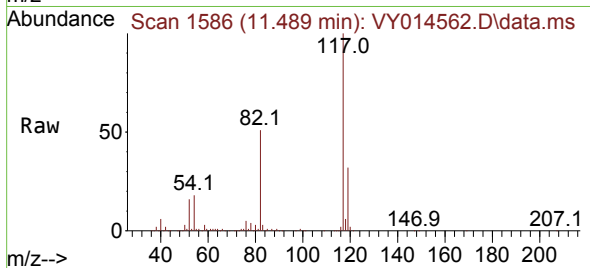
Tgt Ion:117 Resp: 365439

Ion Ratio Lower Upper

117 100

82 51.5 43.4 65.0

119 31.8 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014562.D

Acq: 05 Jul 2023 16:44

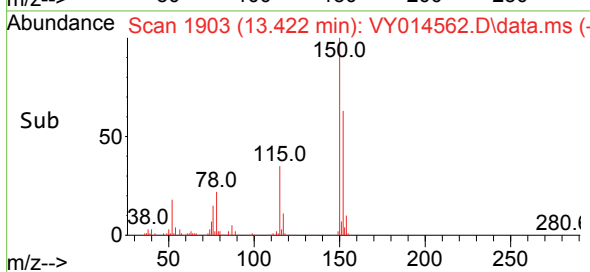
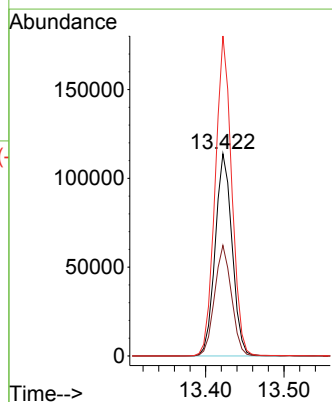
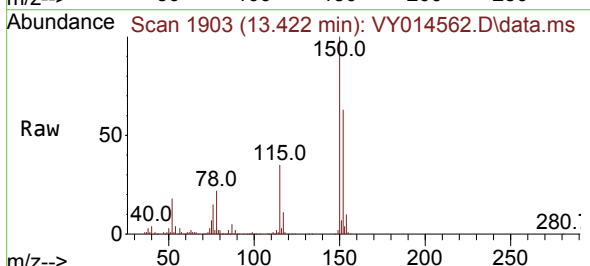
Tgt Ion:152 Resp: 170953

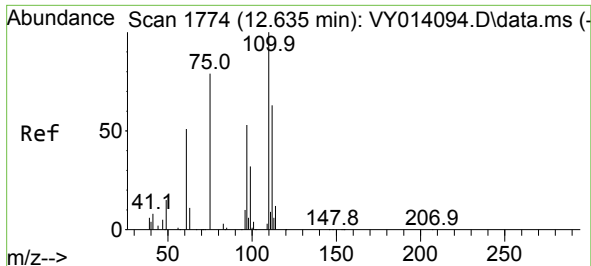
Ion Ratio Lower Upper

152 100

115 54.5 28.8 86.5

150 154.9 0.0 348.8

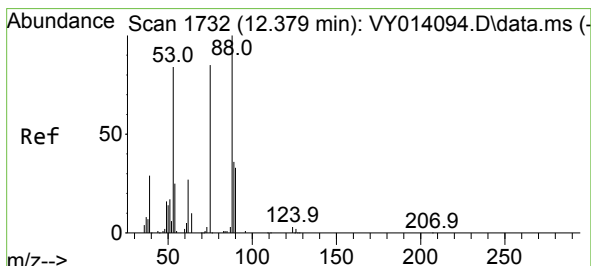
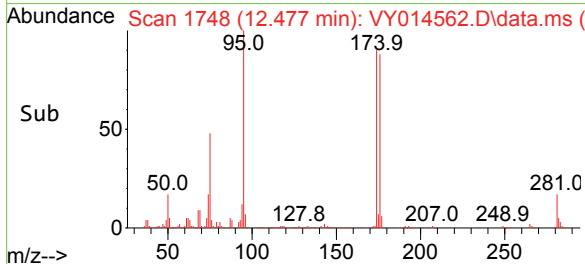
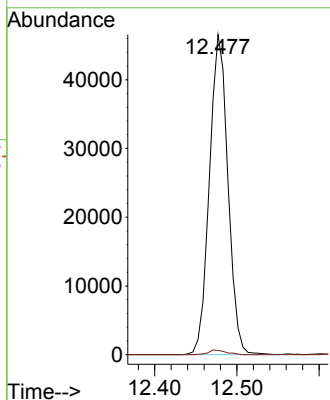
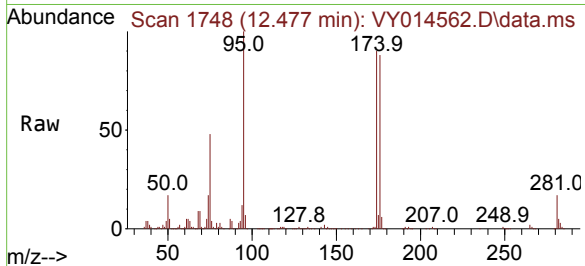




#76
1,2,3-Trichloropropane
Concen: 36.314 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

Instrument :
MSVOA_Y
ClientSampleId :
TB-TP2

Tgt Ion: 75 Resp: 72848
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.682 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014562.D
Acq: 05 Jul 2023 16:44

Tgt Ion: 75 Resp: 72848
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 0.2 37.4 56.0#

