

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070723\
 Data File : VY014601.D
 Acq On : 07 Jul 2023 16:54
 Operator : KP/MD
 Sample : 03555-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-347

Quant Time: Jul 08 03:47:02 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)

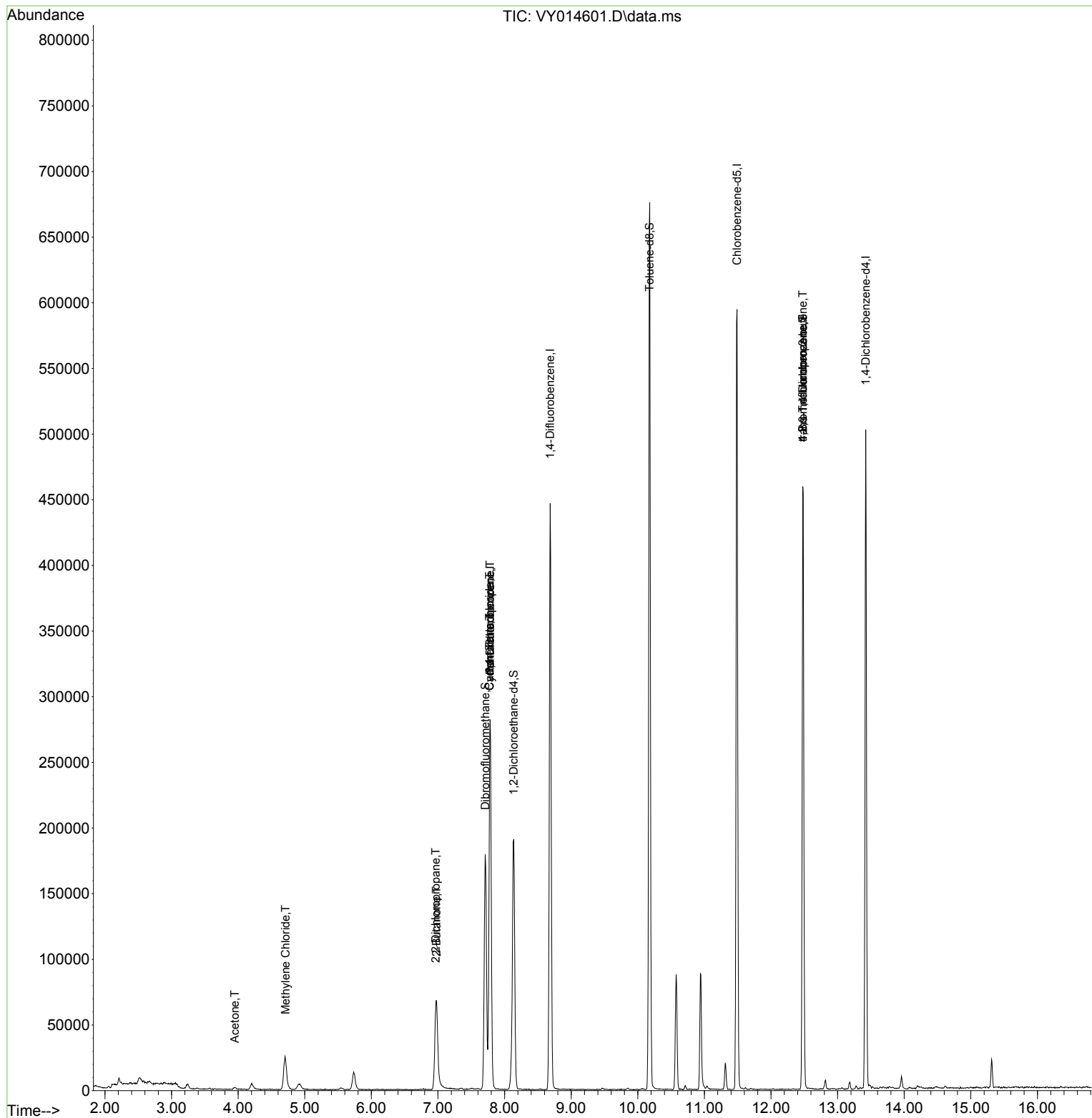
Internal Standards						
1) Pentafluorobenzene	7.783	168	235378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	379413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	343398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133951	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	147638	63.053	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.100%	
35) Dibromofluoromethane	7.710	113	129288	55.335	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.680%	
50) Toluene-d8	10.179	98	459528	49.753	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.500%	
62) 4-Bromofluorobenzene	12.477	95	130327	40.636	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.280%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	153	Below Cal	#	43
11) Tert butyl alcohol	4.923	59	5165	Below Cal	#	89
13) Acrolein	3.729	56	50	Below Cal	#	14
16) Acetone	3.948	43	2699	3.691	ug/l #	60
20) Methylene Chloride	4.710	84	19040	2.268	ug/l	86
25) 2-Butanone	6.978	43	3755	3.468	ug/l #	89
26) 2,2-Dichloropropane	6.966	77	5431	1.480	ug/l #	54
31) Cyclohexane	7.777	56	4621	1.258	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	17027	4.759	ug/l #	50
38) Carbon Tetrachloride	7.777	117	19972	5.347	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	63368	40.314	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63368	78.467	ug/l #	11

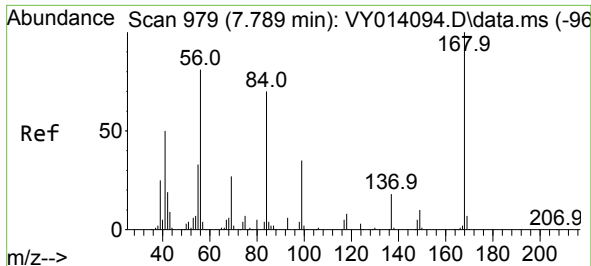
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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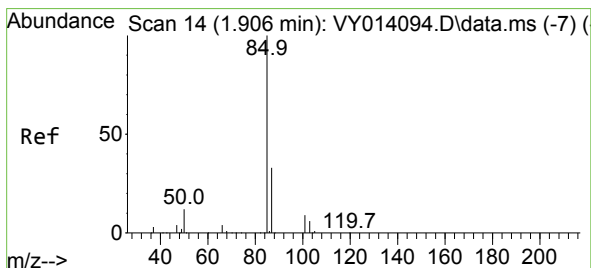
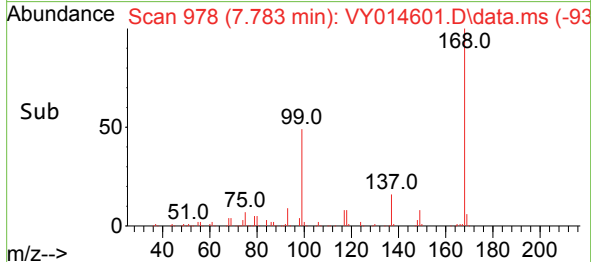
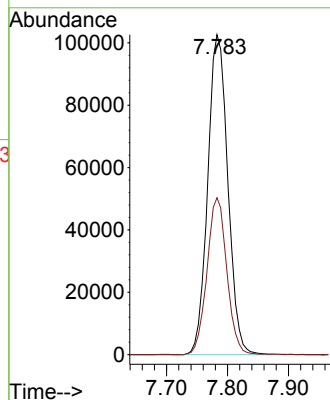
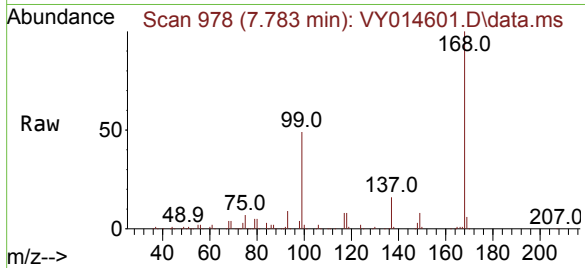




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014601.D
Acq: 07 Jul 2023 16:54

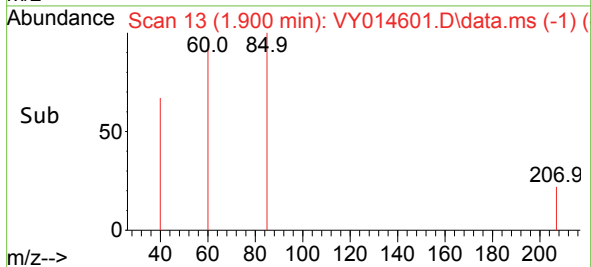
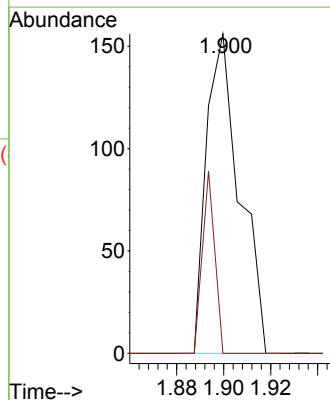
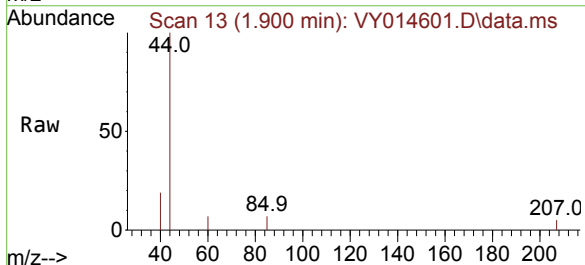
Instrument :
MSVOA_Y
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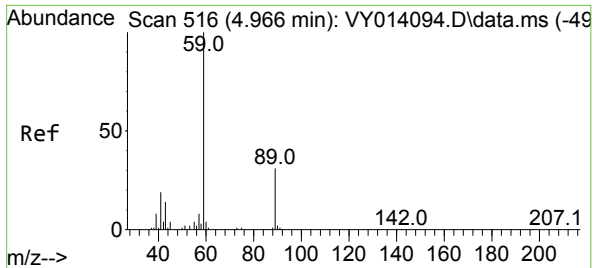
Tgt Ion:168 Resp: 235378
Ion Ratio Lower Upper
168 100
99 49.1 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY014601.D
Acq: 07 Jul 2023 16:54

Tgt Ion: 85 Resp: 153
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

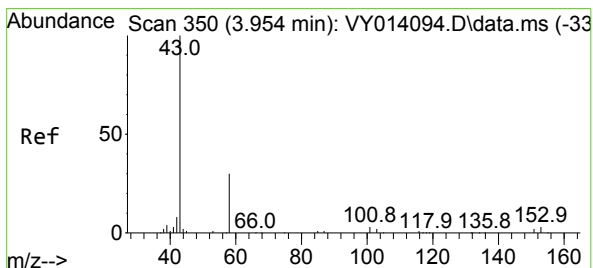
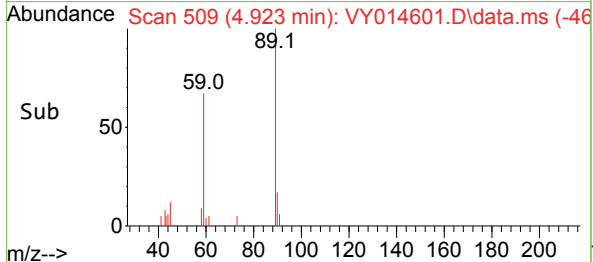
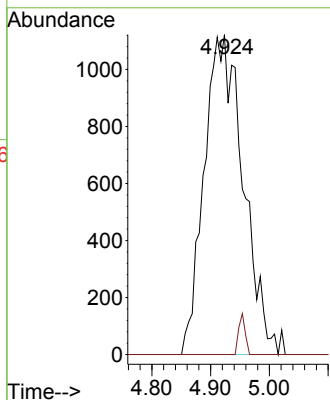
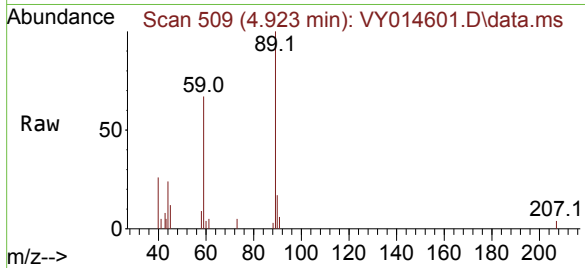




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.923 min Scan# 509
Delta R.T. -0.043 min
Lab File: VY014601.D
Acq: 07 Jul 2023 16:54

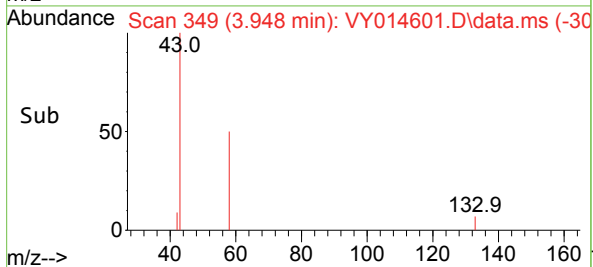
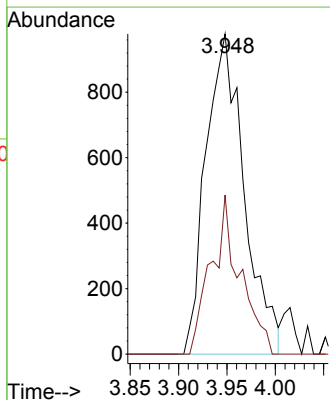
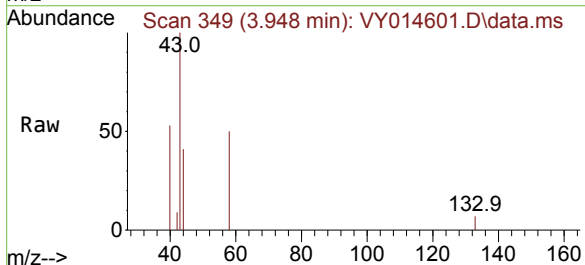
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-347

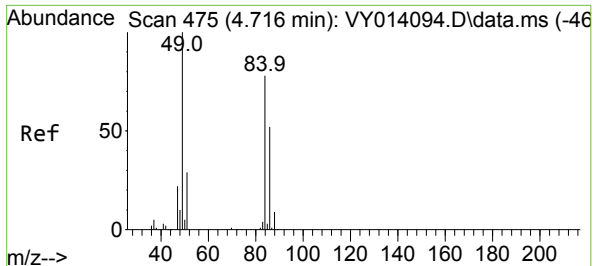
Tgt Ion: 59 Resp: 5165
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 3.691 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014601.D
Acq: 07 Jul 2023 16:54

Tgt Ion: 43 Resp: 2699
Ion Ratio Lower Upper
43 100
58 49.7 22.7 34.1#

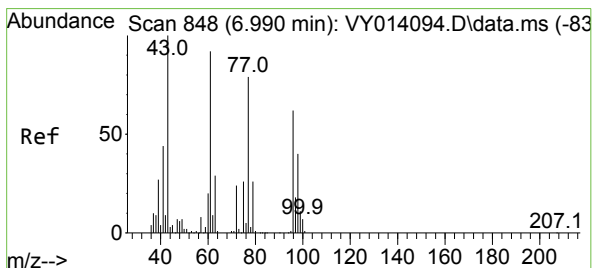
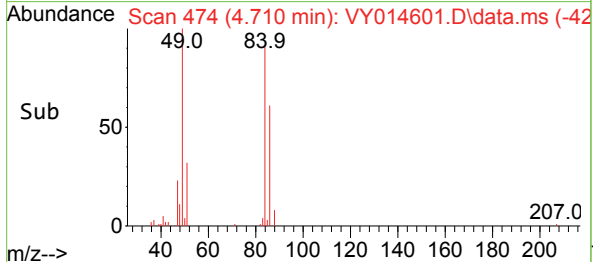
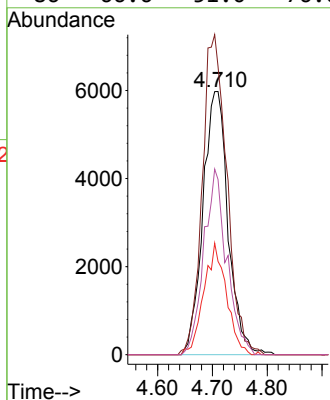
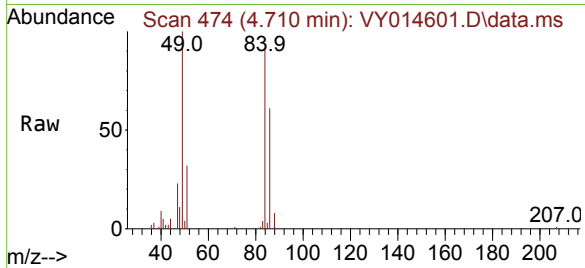




#20
Methylene Chloride
Concen: 2.268 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014601.D
Acq: 07 Jul 2023 16:54

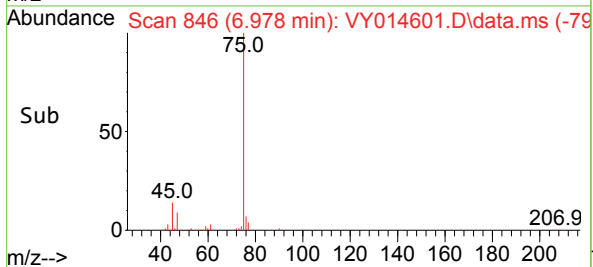
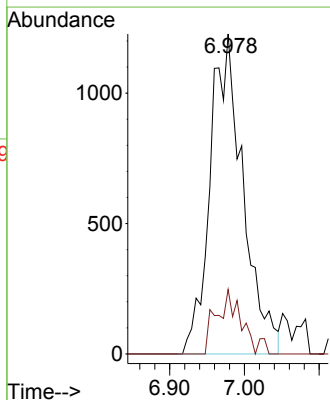
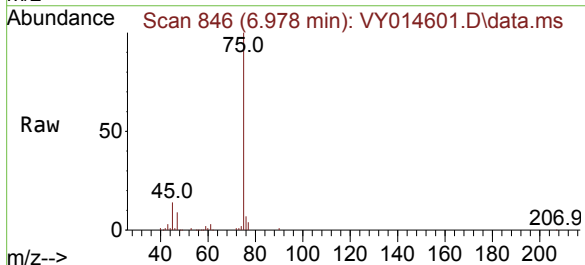
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-347

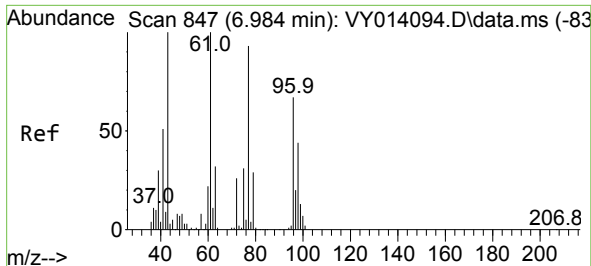
Tgt Ion:	84	Resp:	19040
Ion	Ratio	Lower	Upper
84	100		
49	109.5	106.9	160.3
51	35.4	33.2	49.8
86	66.6	51.0	76.6



#25
2-Butanone
Concen: 3.468 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014601.D
Acq: 07 Jul 2023 16:54

Tgt Ion:	43	Resp:	3755
Ion	Ratio	Lower	Upper
43	100		
72	20.1	20.5	30.7#

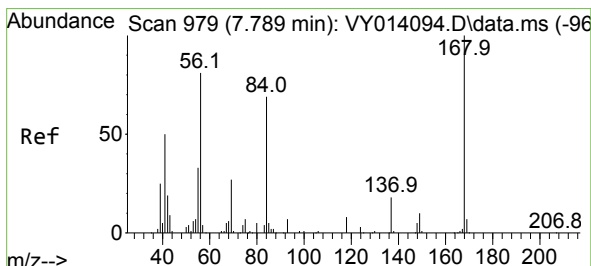
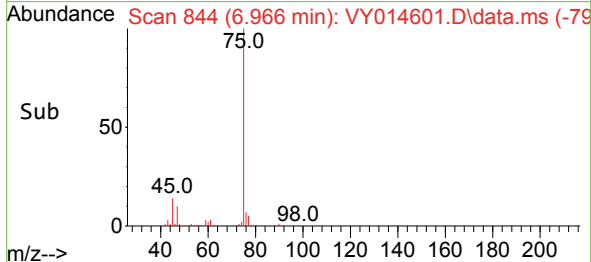
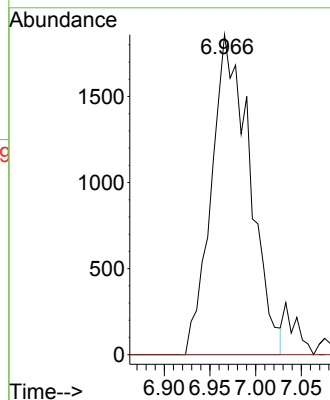
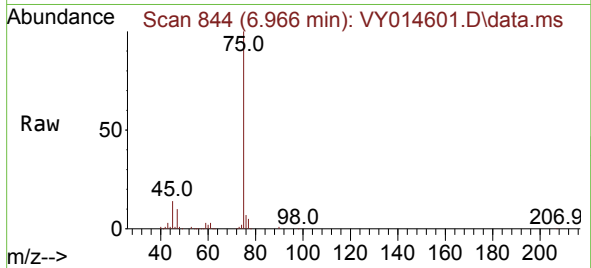




#26
2,2-Dichloropropane
Concen: 1.480 ug/l
RT: 6.966 min Scan# 847
Delta R.T. -0.018 min
Lab File: VY014601.D
Acq: 07 Jul 2023 16:54

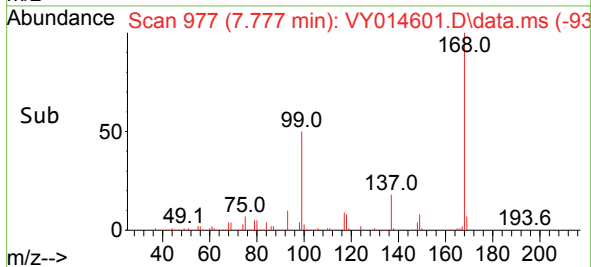
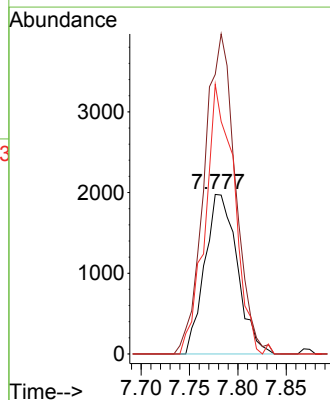
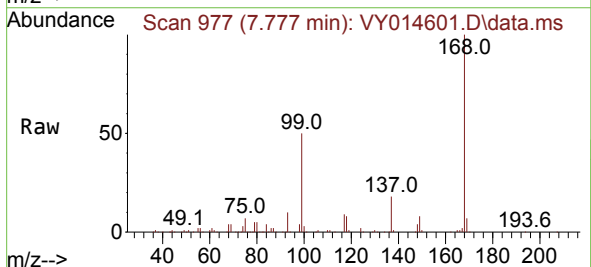
Instrument :
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ClientSampleId :
ETGI-347

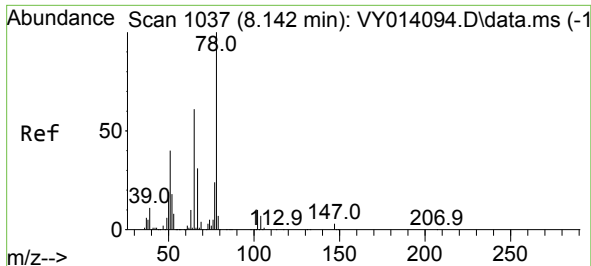
Tgt Ion: 77 Resp: 5431
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.258 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.012 min
Lab File: VY014601.D
Acq: 07 Jul 2023 16:54

Tgt Ion: 56 Resp: 4621
Ion Ratio Lower Upper
56 100
69 175.2 27.8 41.6#
84 169.0 66.4 99.6#

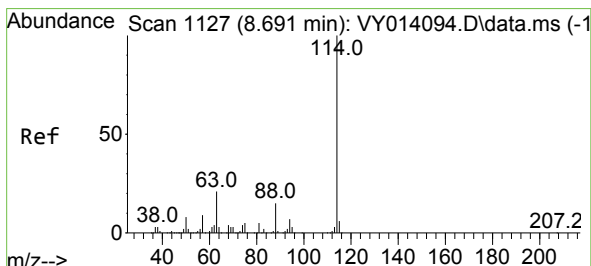
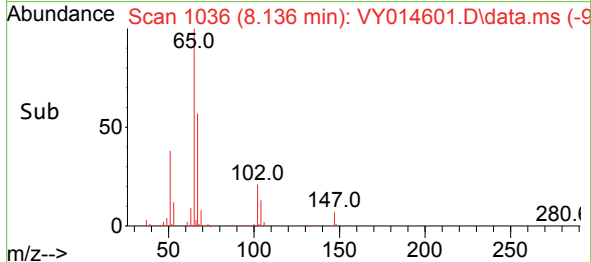
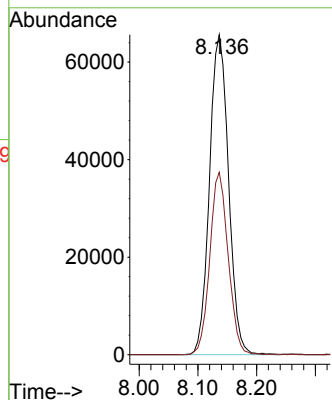
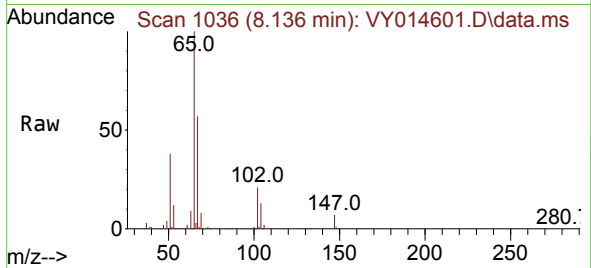




#33
 1,2-Dichloroethane-d4
 Concen: 63.053 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: VY014601.D
 Acq: 07 Jul 2023 16:54

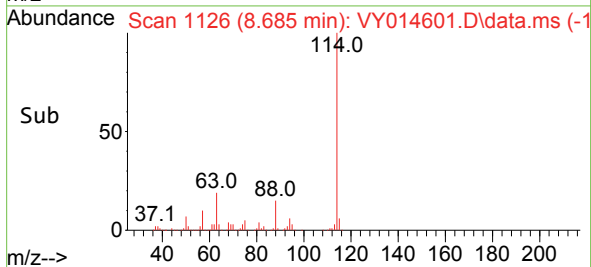
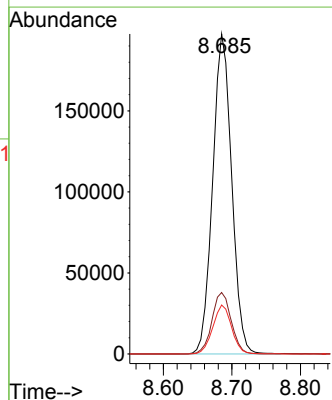
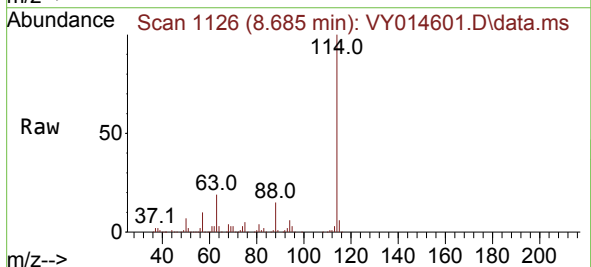
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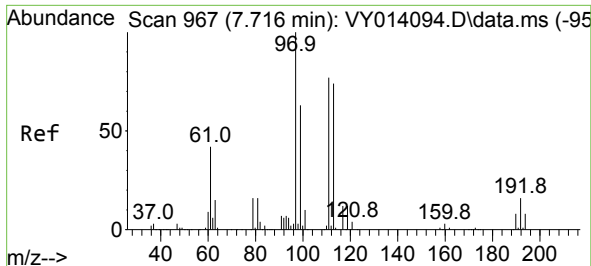
Tgt Ion: 65 Resp: 147638
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY014601.D
 Acq: 07 Jul 2023 16:54

Tgt Ion: 114 Resp: 379413
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 42.4
 88 15.3 0.0 30.6

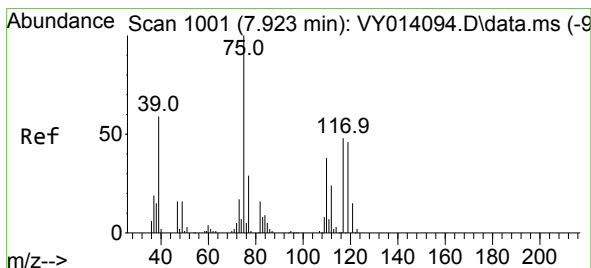
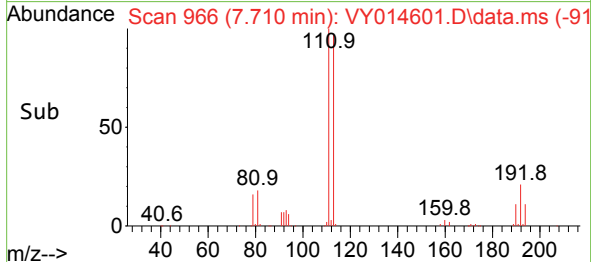
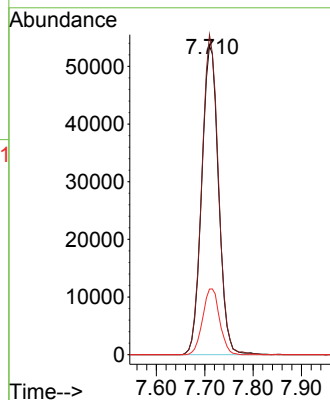
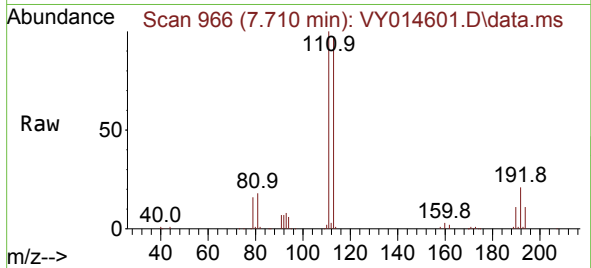




#35
Dibromofluoromethane
Concen: 55.335 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014601.D
Acq: 07 Jul 2023 16:54

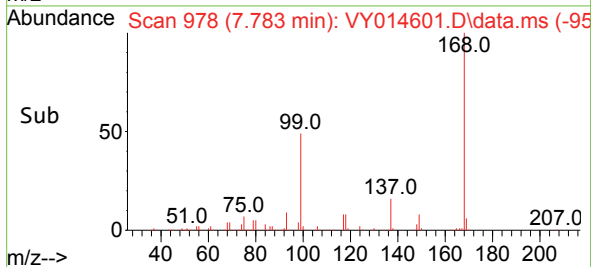
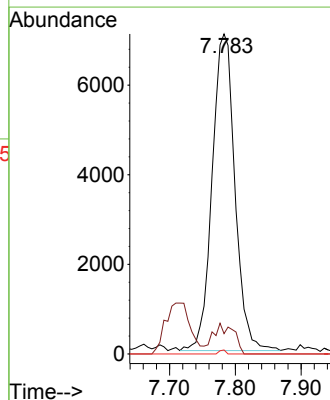
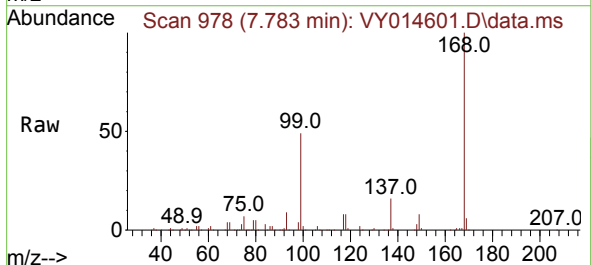
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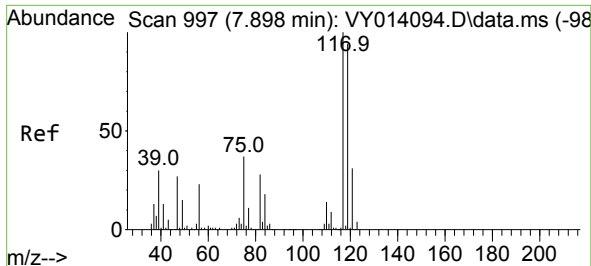
Tgt Ion:113 Resp: 129288
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 21.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.759 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014601.D
Acq: 07 Jul 2023 16:54

Tgt Ion: 75 Resp: 17027
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.3 24.4 36.6#

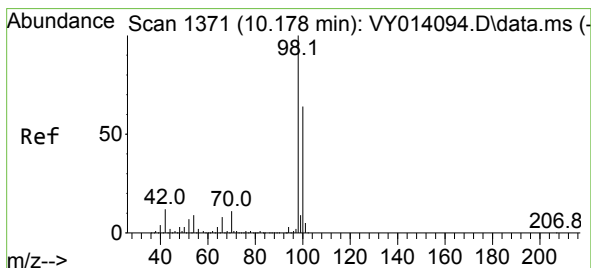
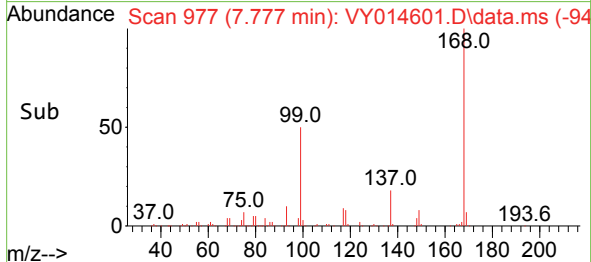
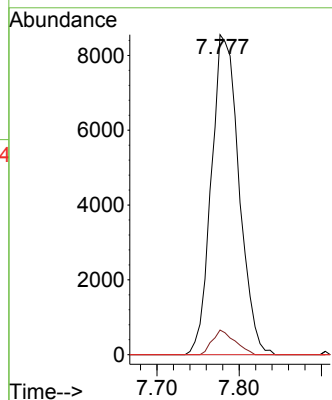
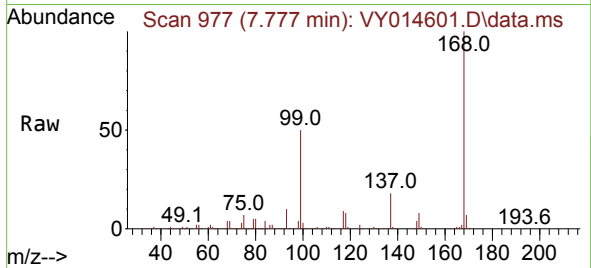




#38
Carbon Tetrachloride
Concen: 5.347 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.121 min
Lab File: VY014601.D
Acq: 07 Jul 2023 16:54

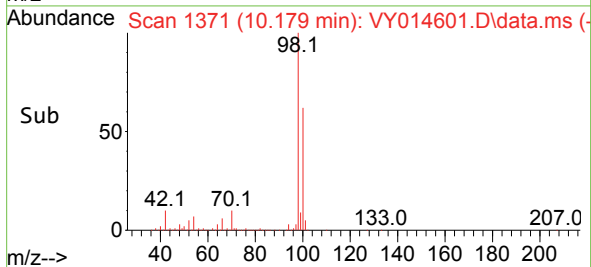
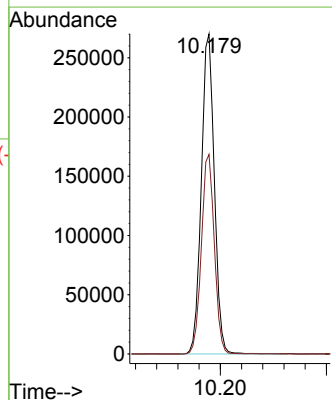
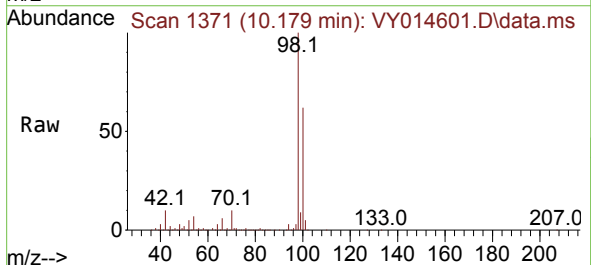
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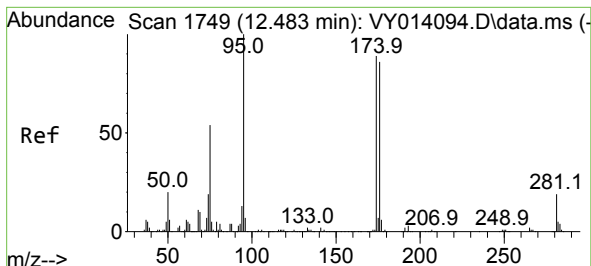
Tgt Ion:117 Resp: 19972
Ion Ratio Lower Upper
117 100
119 7.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.753 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014601.D
Acq: 07 Jul 2023 16:54

Tgt Ion: 98 Resp: 459528
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1

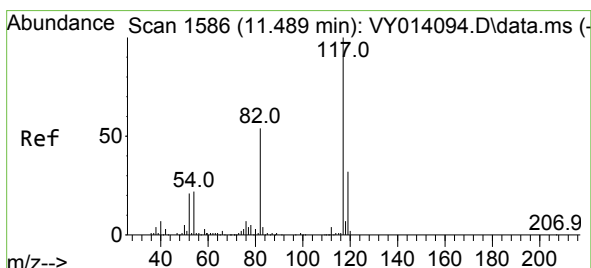
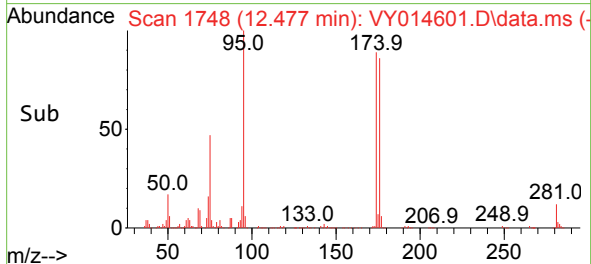
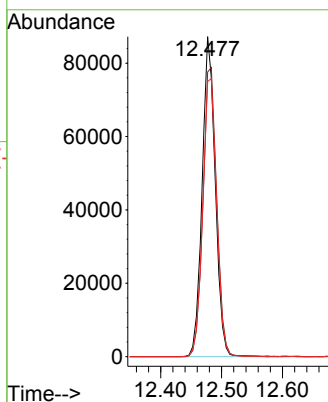
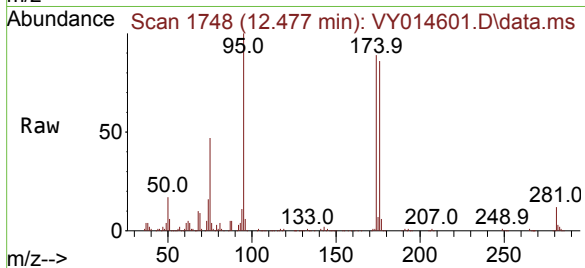




#62
4-Bromofluorobenzene
Concen: 40.636 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014601.D
Acq: 07 Jul 2023 16:54

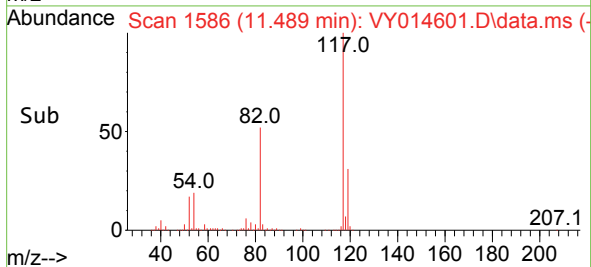
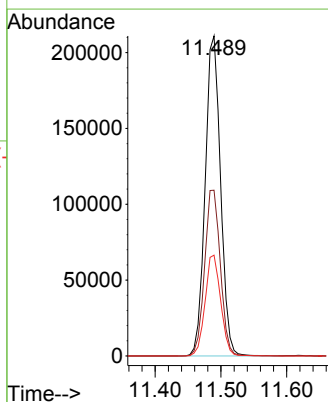
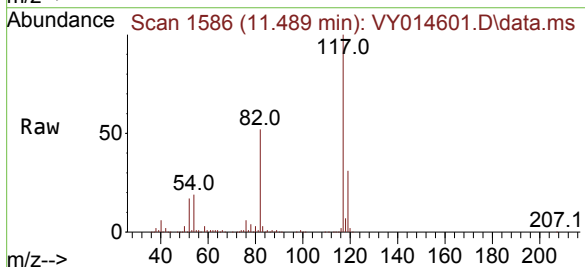
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-347

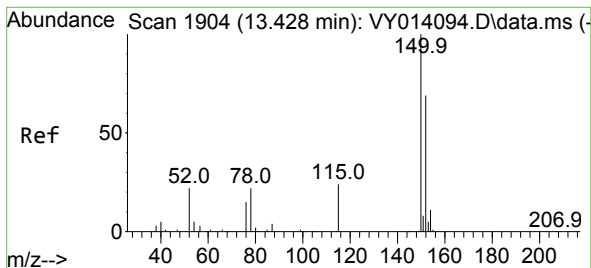
Tgt Ion: 95 Resp: 130327
Ion Ratio Lower Upper
95 100
174 94.8 0.0 178.2
176 92.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014601.D
Acq: 07 Jul 2023 16:54

Tgt Ion: 117 Resp: 343398
Ion Ratio Lower Upper
117 100
82 51.8 43.4 65.0
119 31.5 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014601.D

Acq: 07 Jul 2023 16:54

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-347

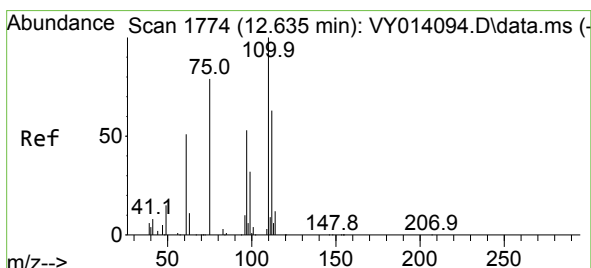
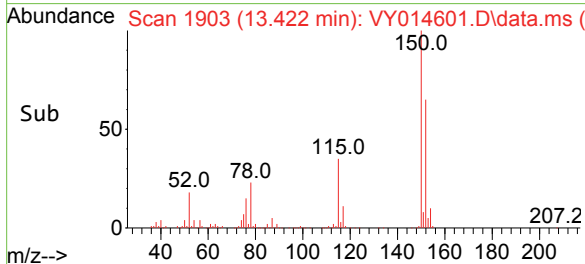
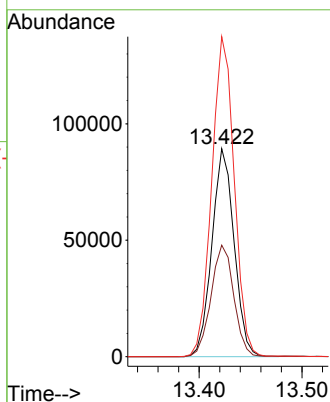
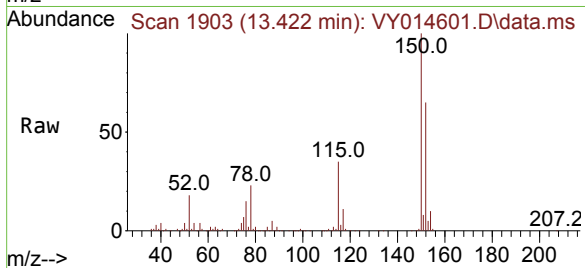
Tgt Ion:152 Resp: 133951

Ion Ratio Lower Upper

152 100

115 55.1 28.8 86.5

150 156.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.314 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014601.D

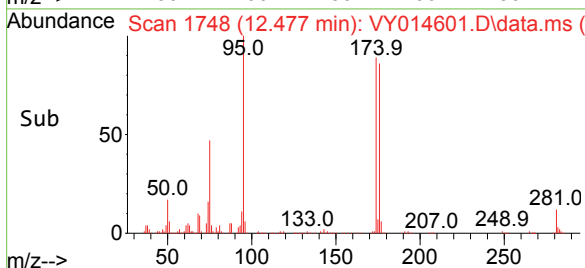
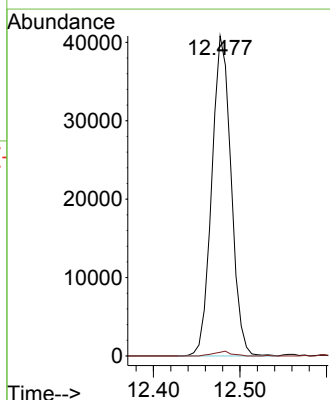
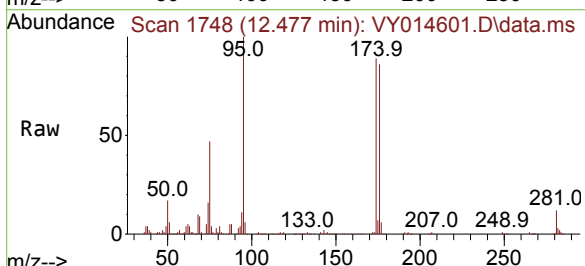
Acq: 07 Jul 2023 16:54

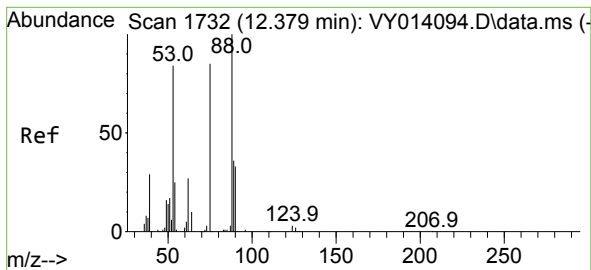
Tgt Ion: 75 Resp: 63368

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.467 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014601.D
 Acq: 07 Jul 2023 16:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-347

Tgt Ion: 75 Resp: 63368
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.8 116.8#
 89 0.3 37.4 56.0#

