

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014978.D
 Acq On : 08 Aug 2023 12:27
 Operator : SY/MD
 Sample : 03908-01
 Misc : 4.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-368

Quant Time: Aug 09 00:59:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

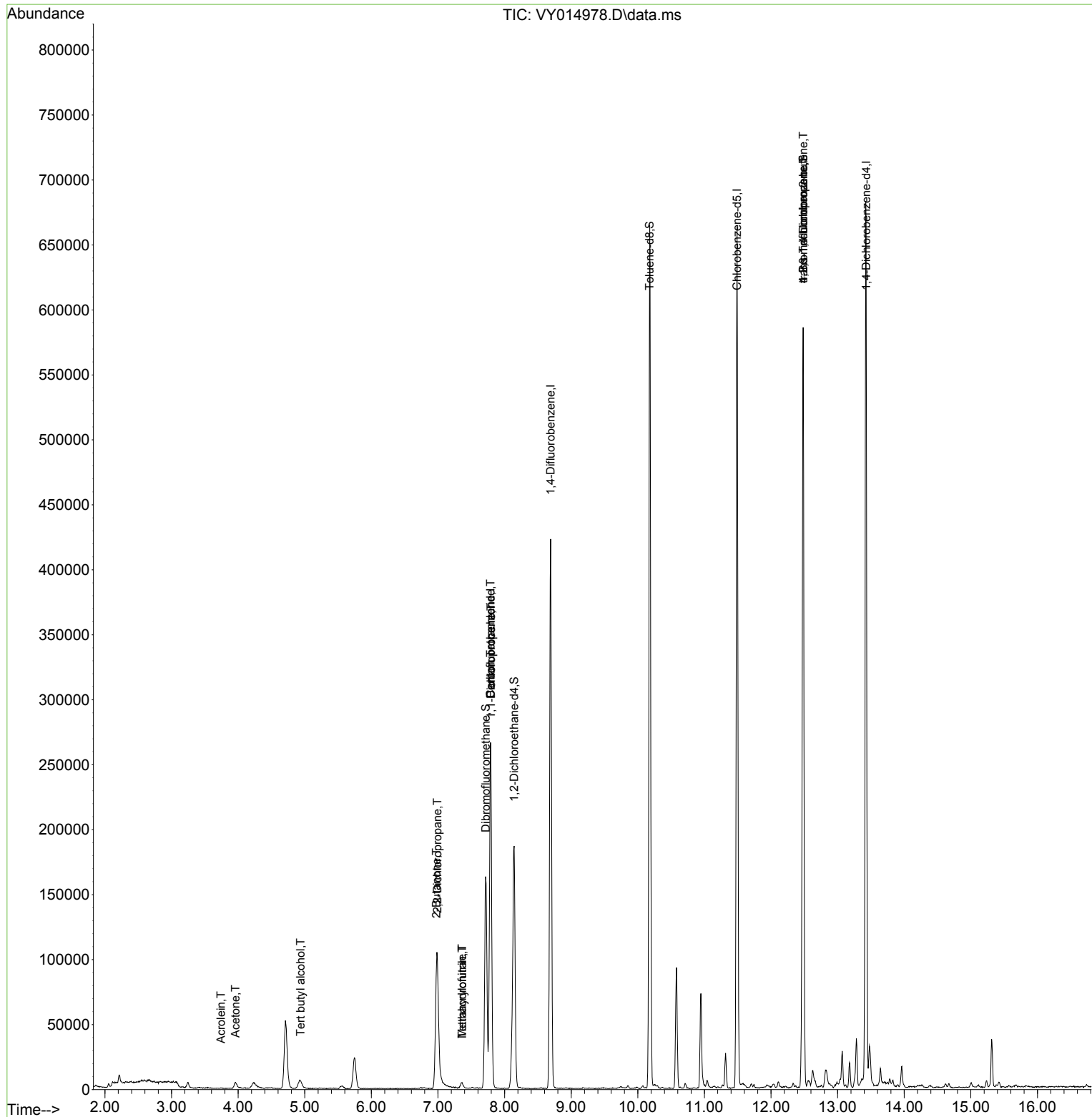
Internal Standards						
1) Pentafluorobenzene	7.789	168	206049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	365031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	357500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	175438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	137244	54.955	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.920%			
35) Dibromofluoromethane	7.716	113	117255	50.231	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.460%			
50) Toluene-d8	10.179	98	436008	49.073	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.140%			
62) 4-Bromofluorobenzene	12.483	95	166423	52.850	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	67	Below Cal	#	43
5) Bromomethane	2.650	94	771	Below Cal	#	64
11) Tert butyl alcohol	4.936	59	7713	12.797	ug/l #	91
13) Acrolein	3.741	56	252	1.229	ug/l #	82
16) Acetone	3.960	43	9212	11.829	ug/l	97
20) Methylene Chloride	4.716	84	38834	Below Cal		86
25) 2-Butanone	6.978	43	6963	6.243	ug/l	92
26) 2,2-Dichloropropane	6.990	77	8345	2.302	ug/l #	54
29) Tetrahydrofuran	7.362	42	3136	4.794	ug/l	91
31) Cyclohexane	7.789	56	4453	Below Cal	#	1
36) 1,1-Dichloropropene	7.795	75	15952	5.504	ug/l #	50
38) Carbon Tetrachloride	7.789	117	21072	6.468	ug/l #	15
41) Methacrylonitrile	7.362	41	2197	1.965	ug/l #	41
76) 1,2,3-Trichloropropane	12.483	75	90421	43.013	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	90421	94.760	ug/l #	11

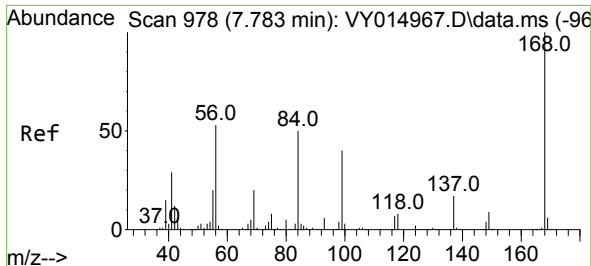
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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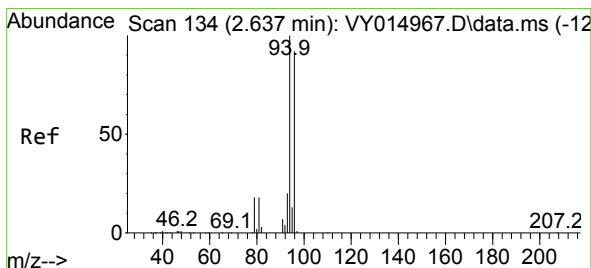
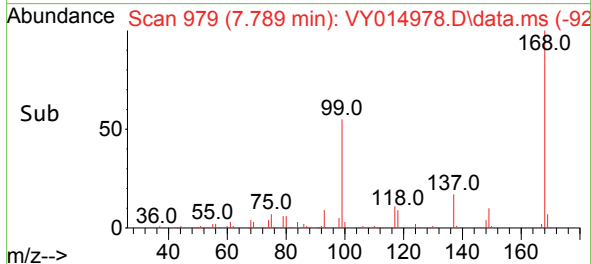
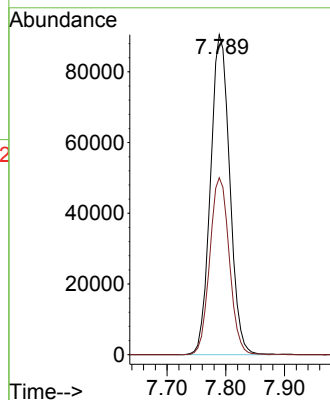
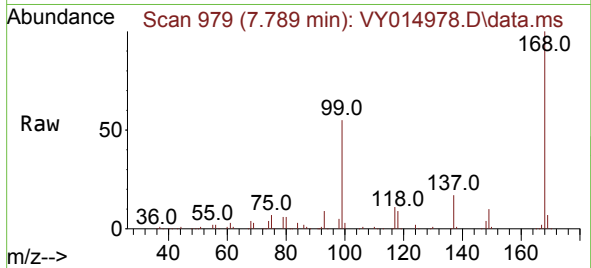




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27

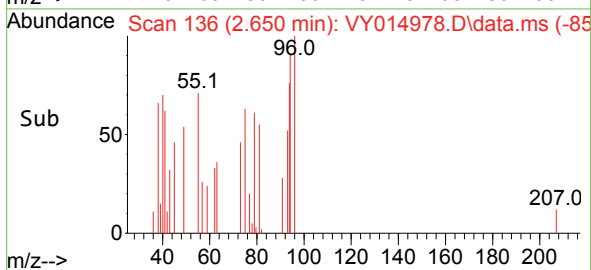
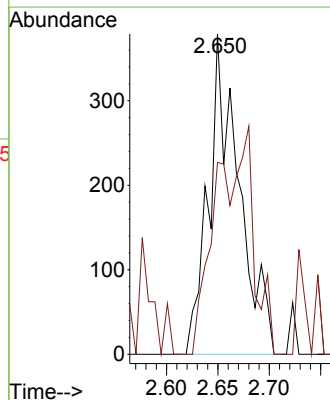
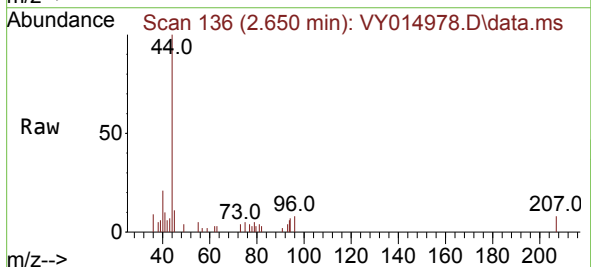
Instrument :
MSVOA_Y
ClientSampleId :
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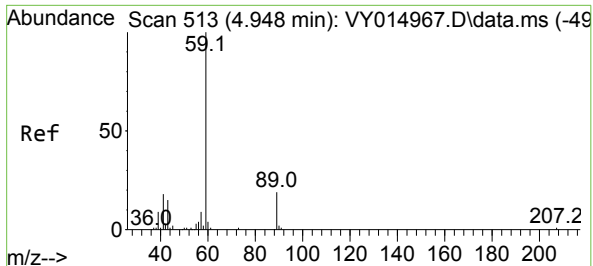
Tgt Ion:168 Resp: 206049
Ion Ratio Lower Upper
168 100
99 55.3 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27

Tgt Ion: 94 Resp: 771
Ion Ratio Lower Upper
94 100
96 59.9 75.8 113.6#

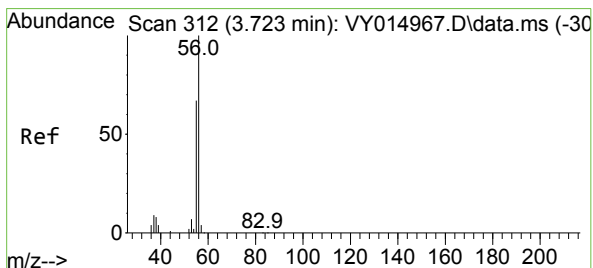
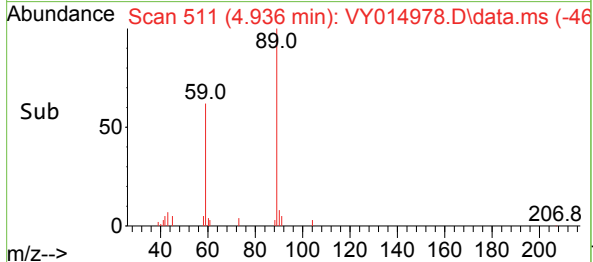
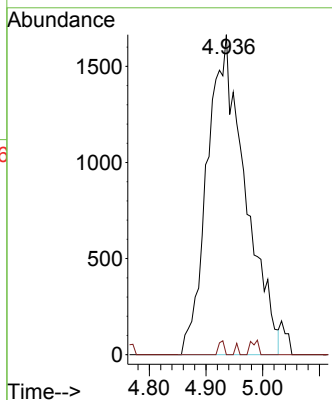
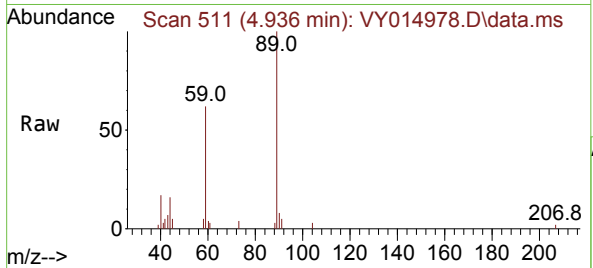




#11
Tert butyl alcohol
Concen: 12.797 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27

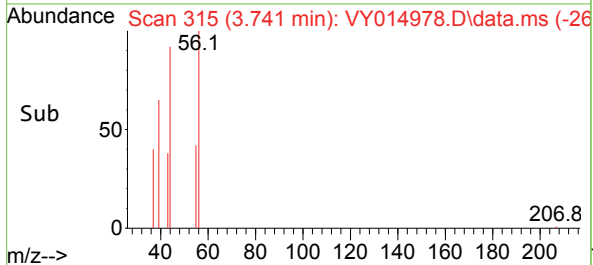
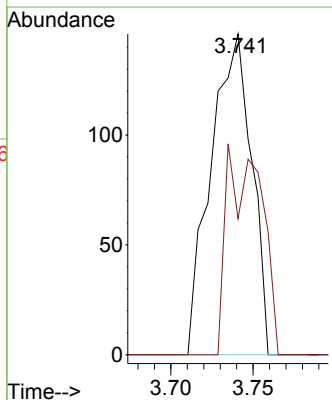
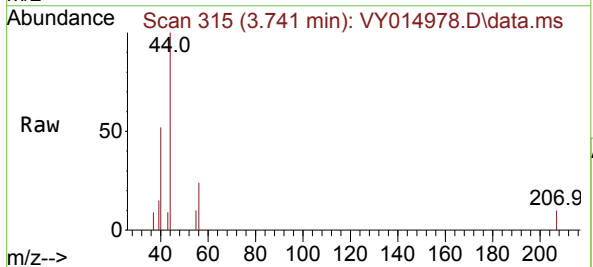
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-368

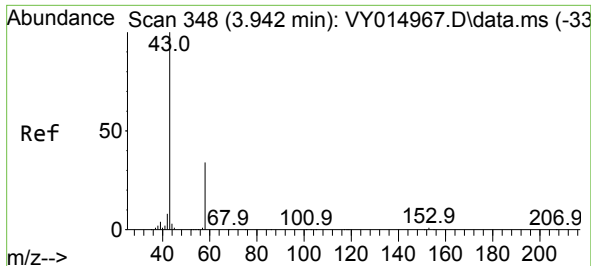
Tgt Ion: 59 Resp: 7713
Ion Ratio Lower Upper
59 100
57 0.6 3.0 4.4#



#13
Acrolein
Concen: 1.229 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.018 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27

Tgt Ion: 56 Resp: 252
Ion Ratio Lower Upper
56 100
55 56.0 57.0 85.4#

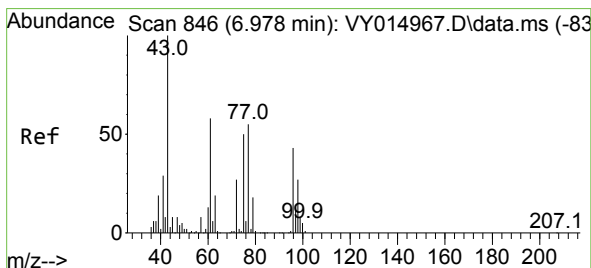
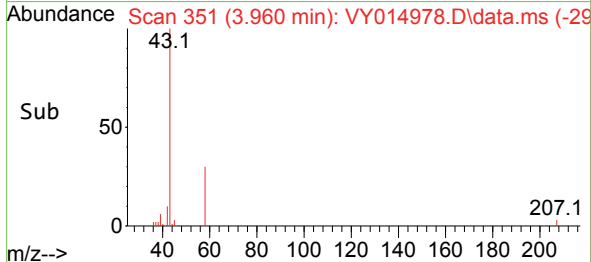
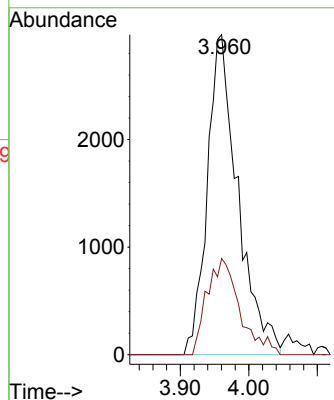
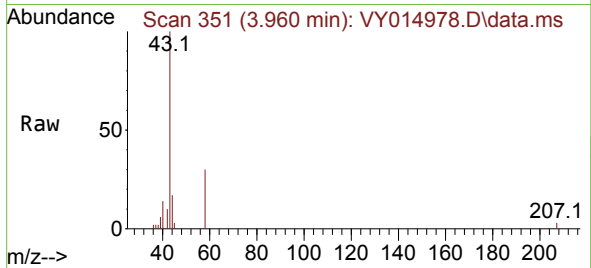




#16
Acetone
Concen: 11.829 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27

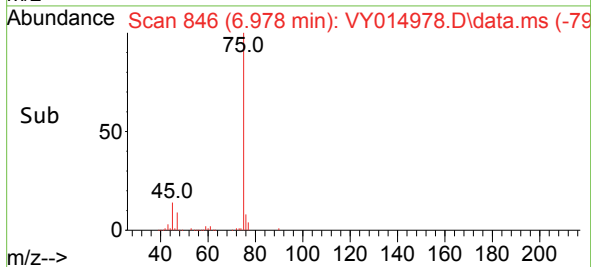
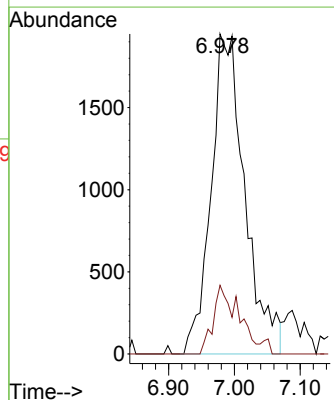
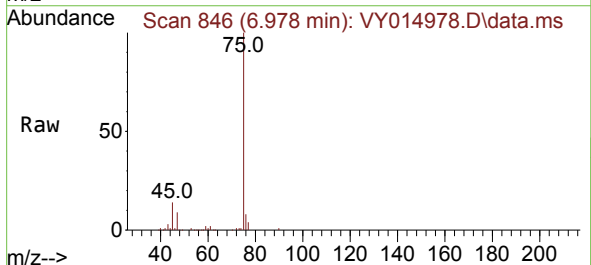
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-368

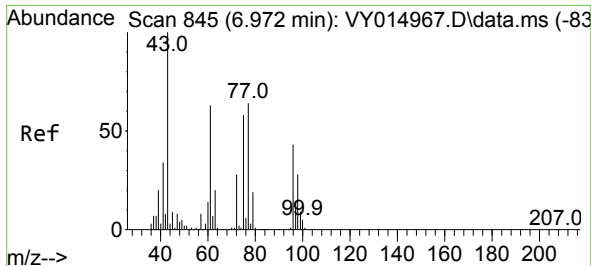
Tgt Ion: 43 Resp: 9212
Ion Ratio Lower Upper
43 100
58 30.1 22.7 34.1



#25
2-Butanone
Concen: 6.243 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27

Tgt Ion: 43 Resp: 6963
Ion Ratio Lower Upper
43 100
72 21.5 20.5 30.7

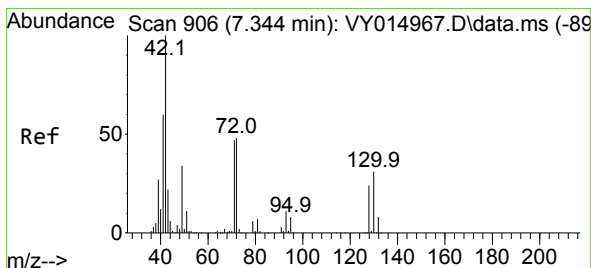
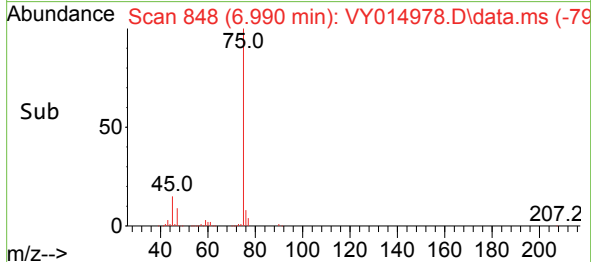
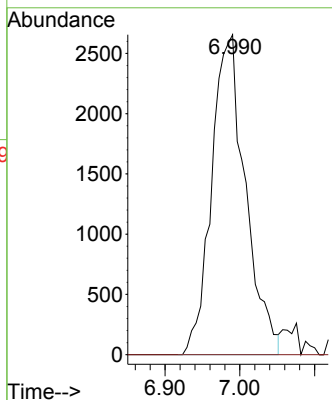
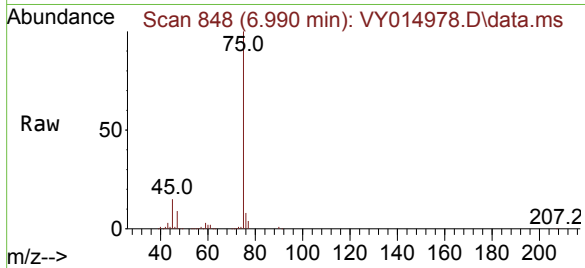




#26
2,2-Dichloropropane
Concen: 2.302 ug/l
RT: 6.990 min Scan# 845
Delta R.T. 0.018 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27

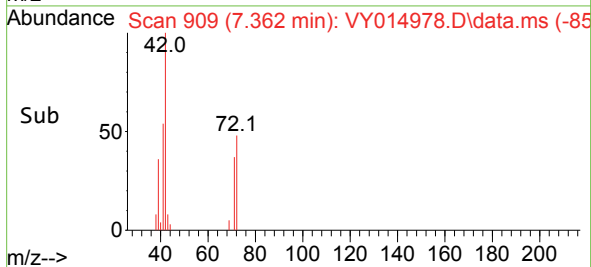
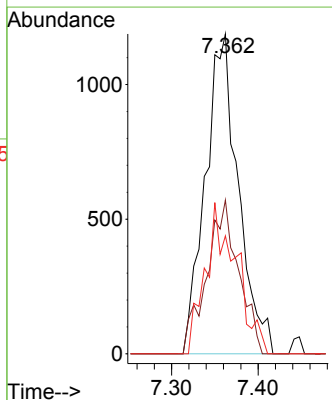
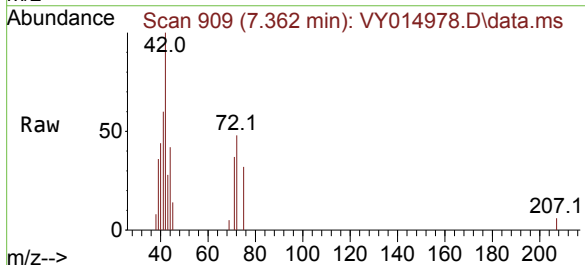
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-368

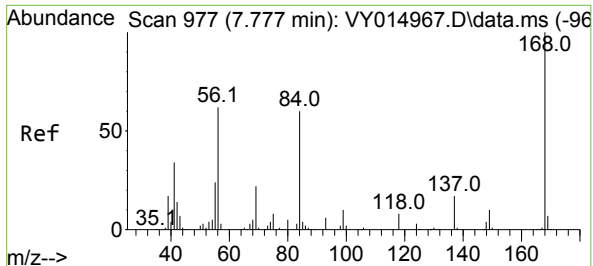
Tgt Ion: 77 Resp: 8345
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 4.794 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.018 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27

Tgt Ion: 42 Resp: 3136
Ion Ratio Lower Upper
42 100
72 46.6 32.8 49.2
71 44.5 31.0 46.4

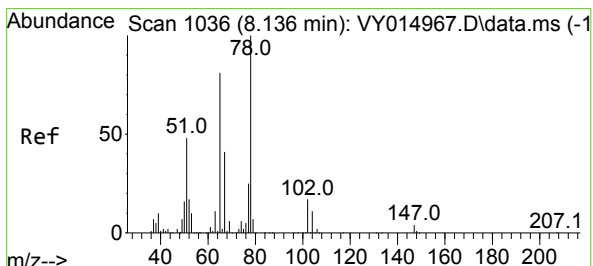
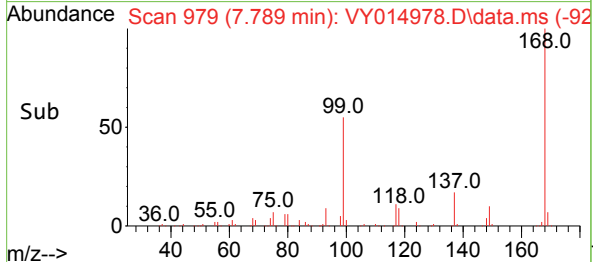
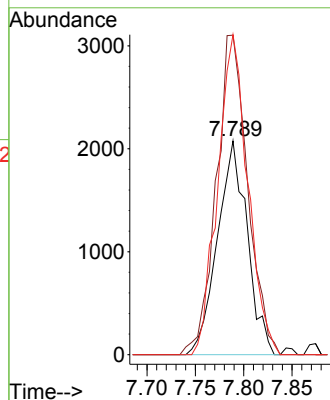
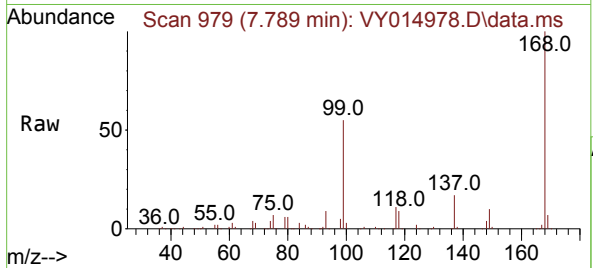




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27

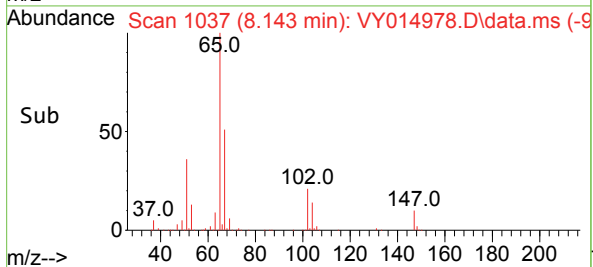
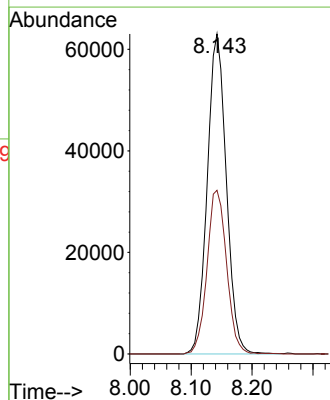
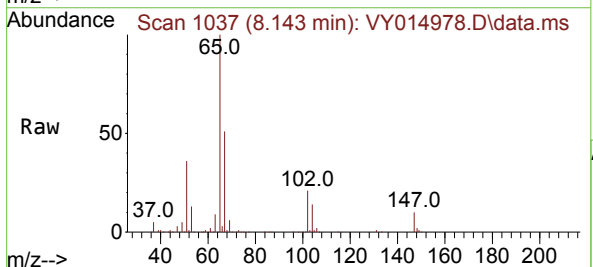
Instrument :
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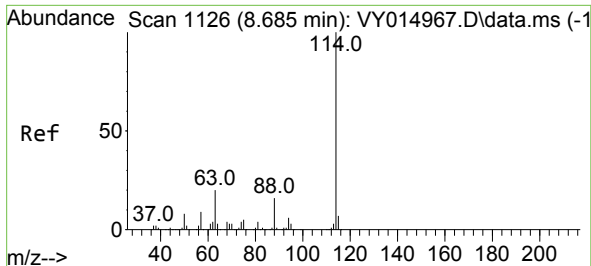
Tgt Ion: 56 Resp: 4453
Ion Ratio Lower Upper
56 100
69 149.4 27.8 41.6#
84 149.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 54.955 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27

Tgt Ion: 65 Resp: 137244
Ion Ratio Lower Upper
65 100
67 52.5 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY014978.D

Acq: 08 Aug 2023 12:27

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-368

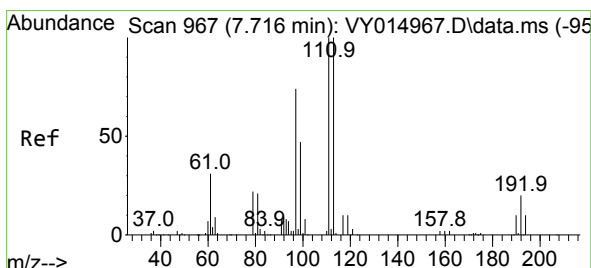
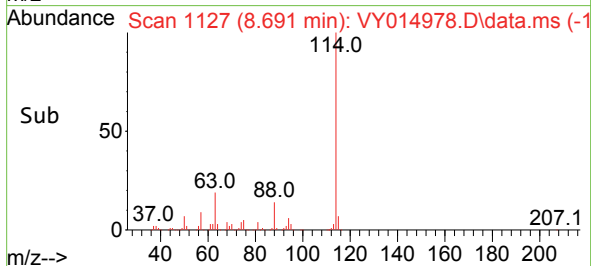
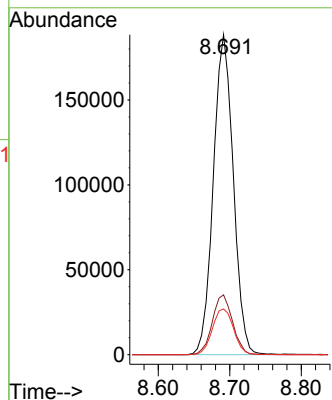
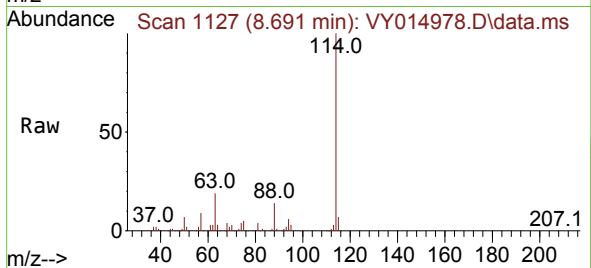
Tgt Ion:114 Resp: 365031

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.231 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY014978.D

Acq: 08 Aug 2023 12:27

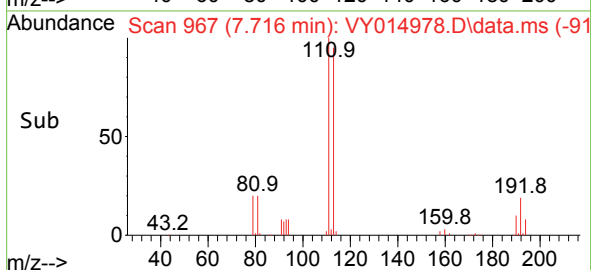
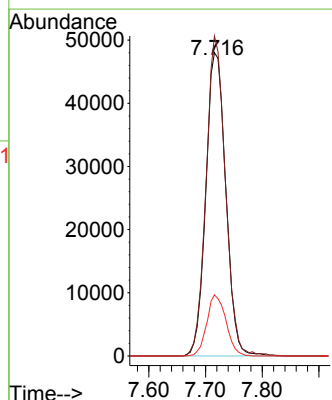
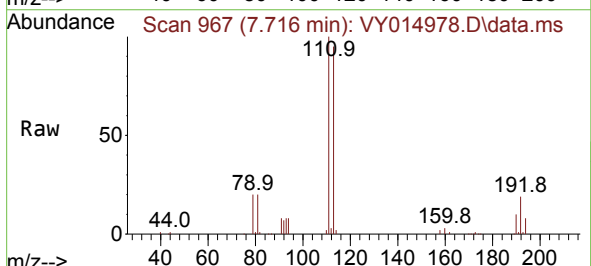
Tgt Ion:113 Resp: 117255

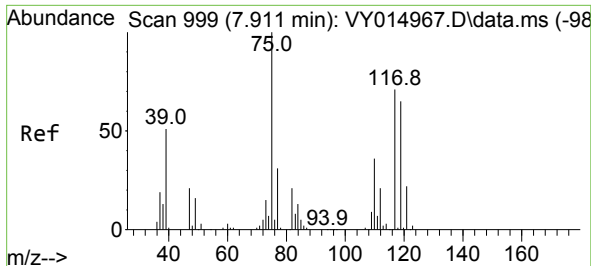
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 19.4 16.9 25.3

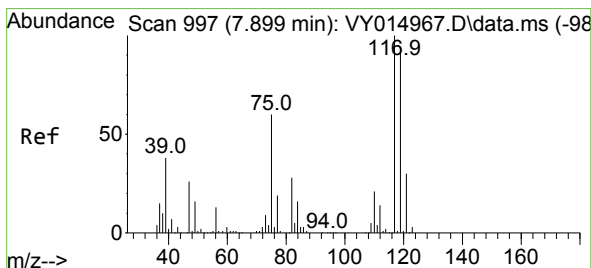
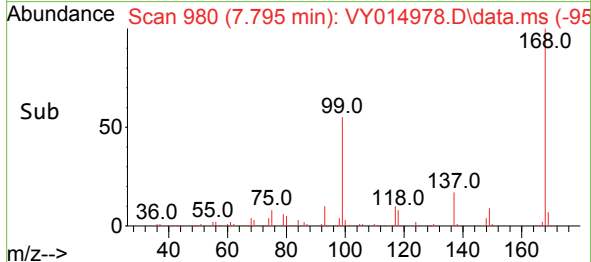
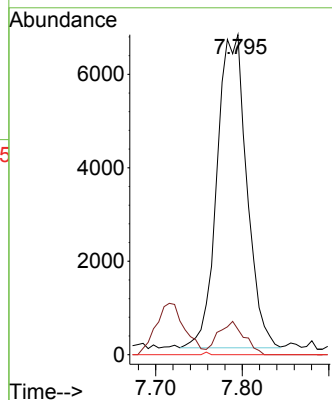
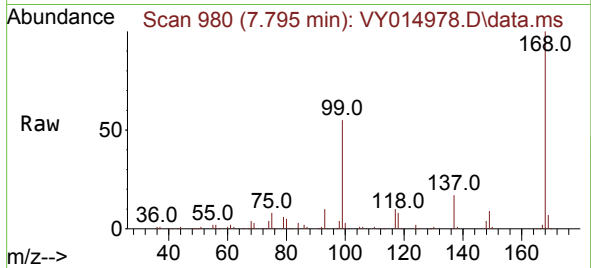




#36
 1,1-Dichloropropene
 Concen: 5.504 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.116 min
 Lab File: VY014978.D
 Acq: 08 Aug 2023 12:27

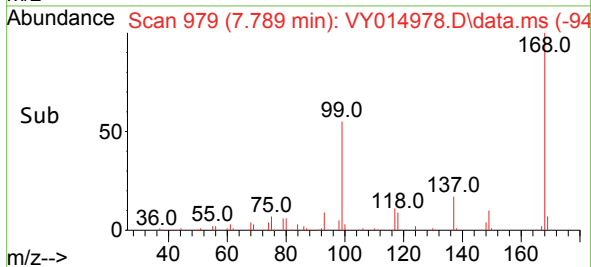
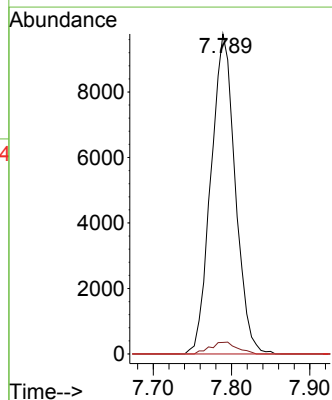
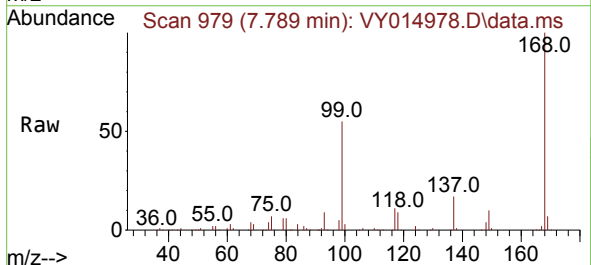
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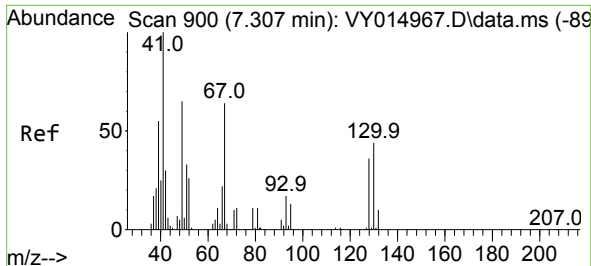
Tgt Ion: 75 Resp: 15952
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 6.468 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY014978.D
 Acq: 08 Aug 2023 12:27

Tgt Ion: 117 Resp: 21072
 Ion Ratio Lower Upper
 117 100
 119 3.6 76.4 114.6#
 121 0.0 25.8 38.6#

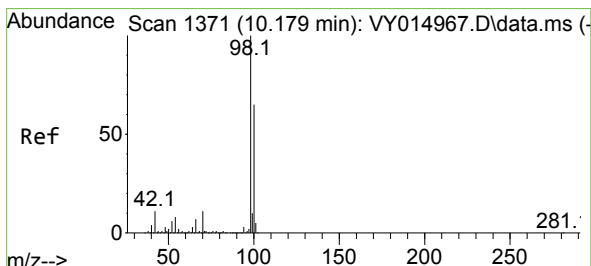
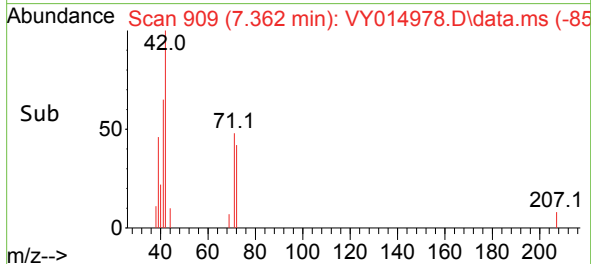
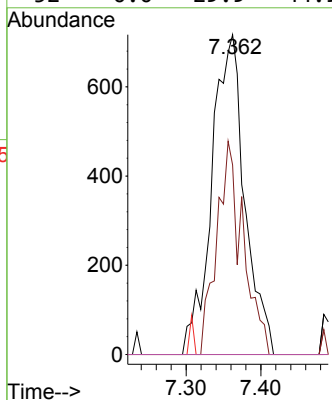
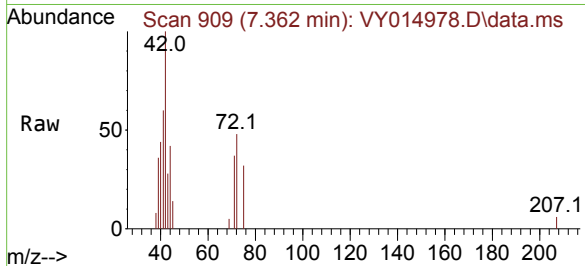




#41
Methacrylonitrile
Concen: 1.965 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.055 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27

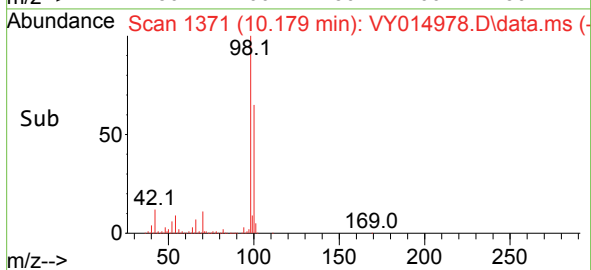
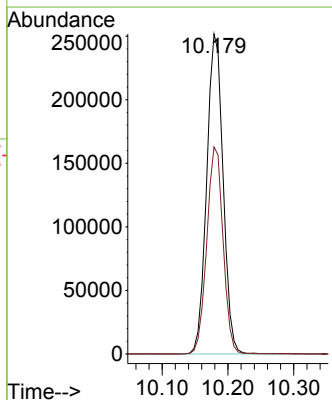
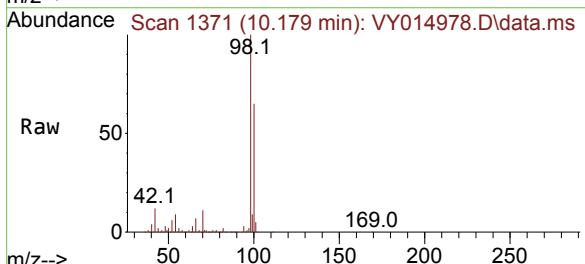
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-368

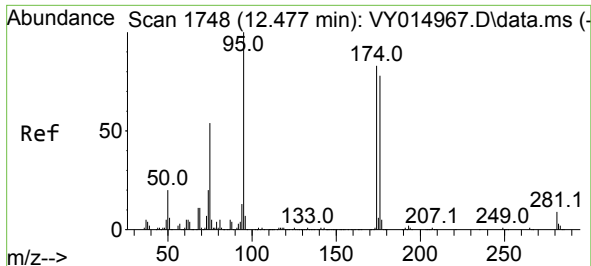
Tgt Ion: 41	Resp: 2197
Ion Ratio	Lower Upper
41 100	
39 52.9	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 49.073 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27

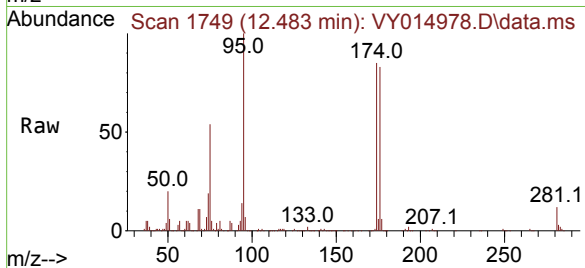
Tgt Ion: 98	Resp: 436008
Ion Ratio	Lower Upper
98 100	
100 64.4	50.1 75.1



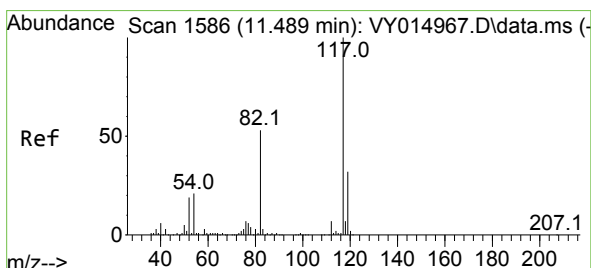
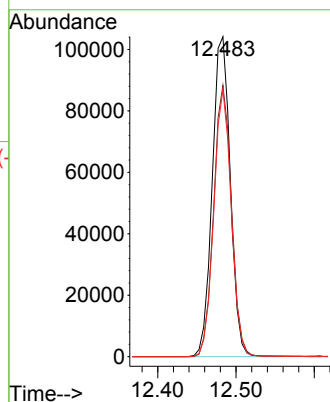
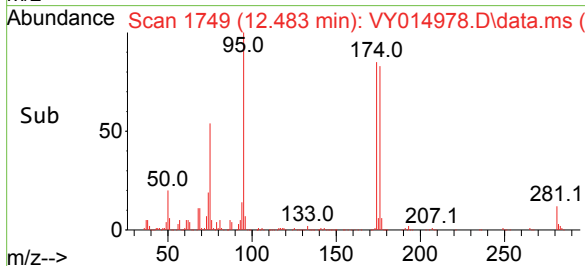


#62
4-Bromofluorobenzene
Concen: 52.850 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27

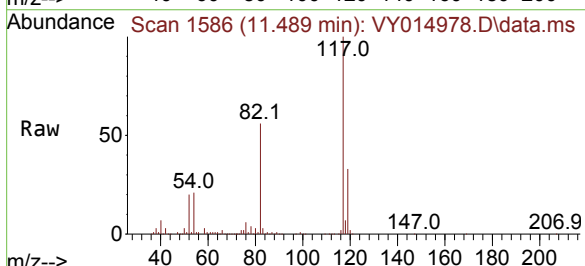
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-368



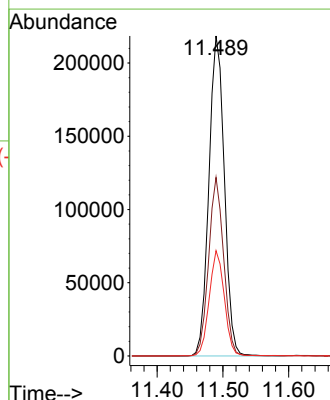
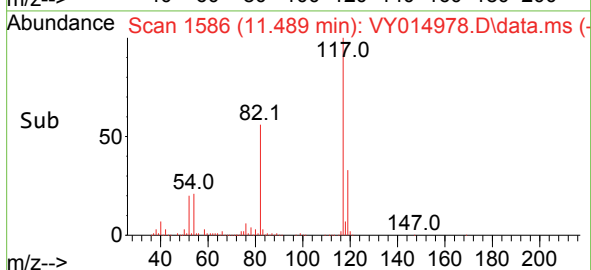
Tgt Ion: 95 Resp: 166423
Ion Ratio Lower Upper
95 100
174 83.9 0.0 178.2
176 81.1 0.0 173.8

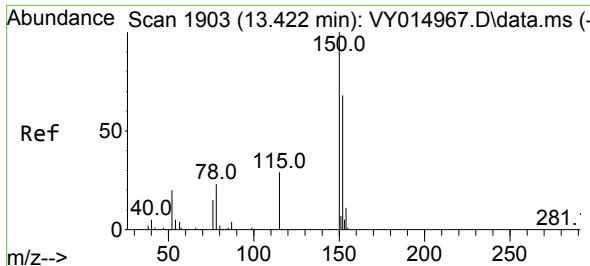


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27



Tgt Ion: 117 Resp: 357500
Ion Ratio Lower Upper
117 100
82 55.8 43.4 65.0
119 32.9 26.3 39.5

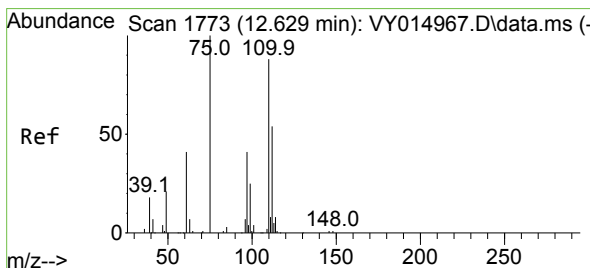
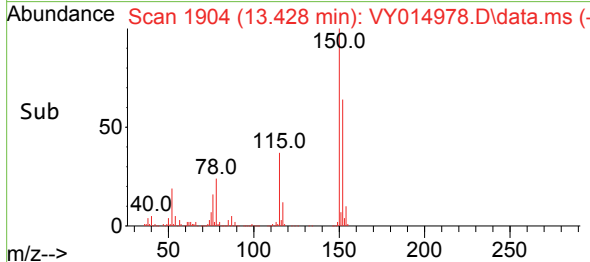
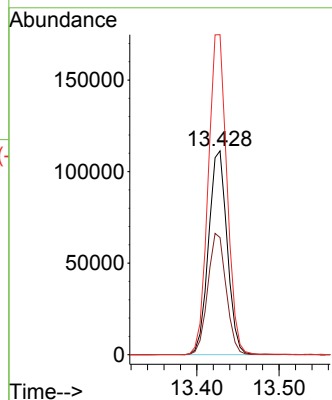
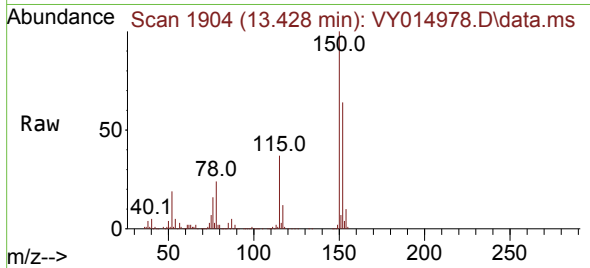




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY014978.D
 Acq: 08 Aug 2023 12:27

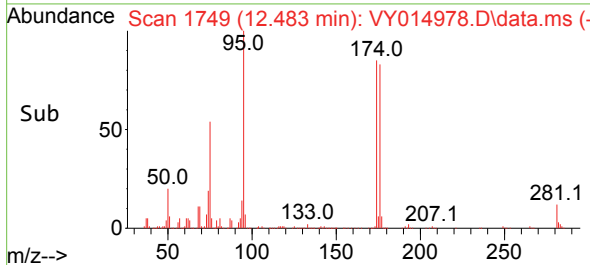
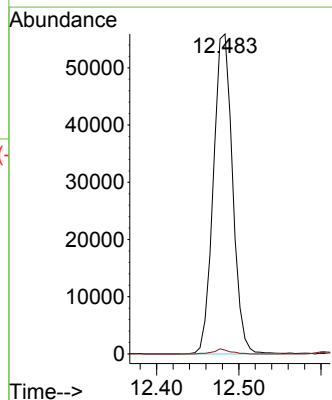
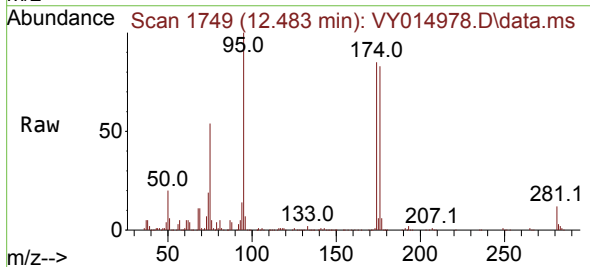
Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-368

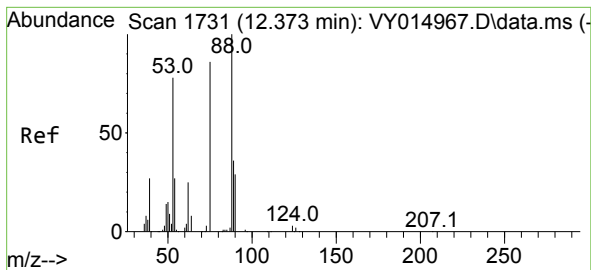
Tgt Ion:152 Resp: 175438
 Ion Ratio Lower Upper
 152 100
 115 58.9 28.8 86.5
 150 157.8 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 43.013 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY014978.D
 Acq: 08 Aug 2023 12:27

Tgt Ion: 75 Resp: 90421
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 94.760 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY014978.D
Acq: 08 Aug 2023 12:27

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-368

Tgt Ion: 75 Resp: 90421
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

