

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070723\
 Data File : VY014604.D
 Acq On : 07 Jul 2023 18:07
 Operator : KP/MD
 Sample : 03555-09
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-289

Quant Time: Jul 08 03:48:17 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)

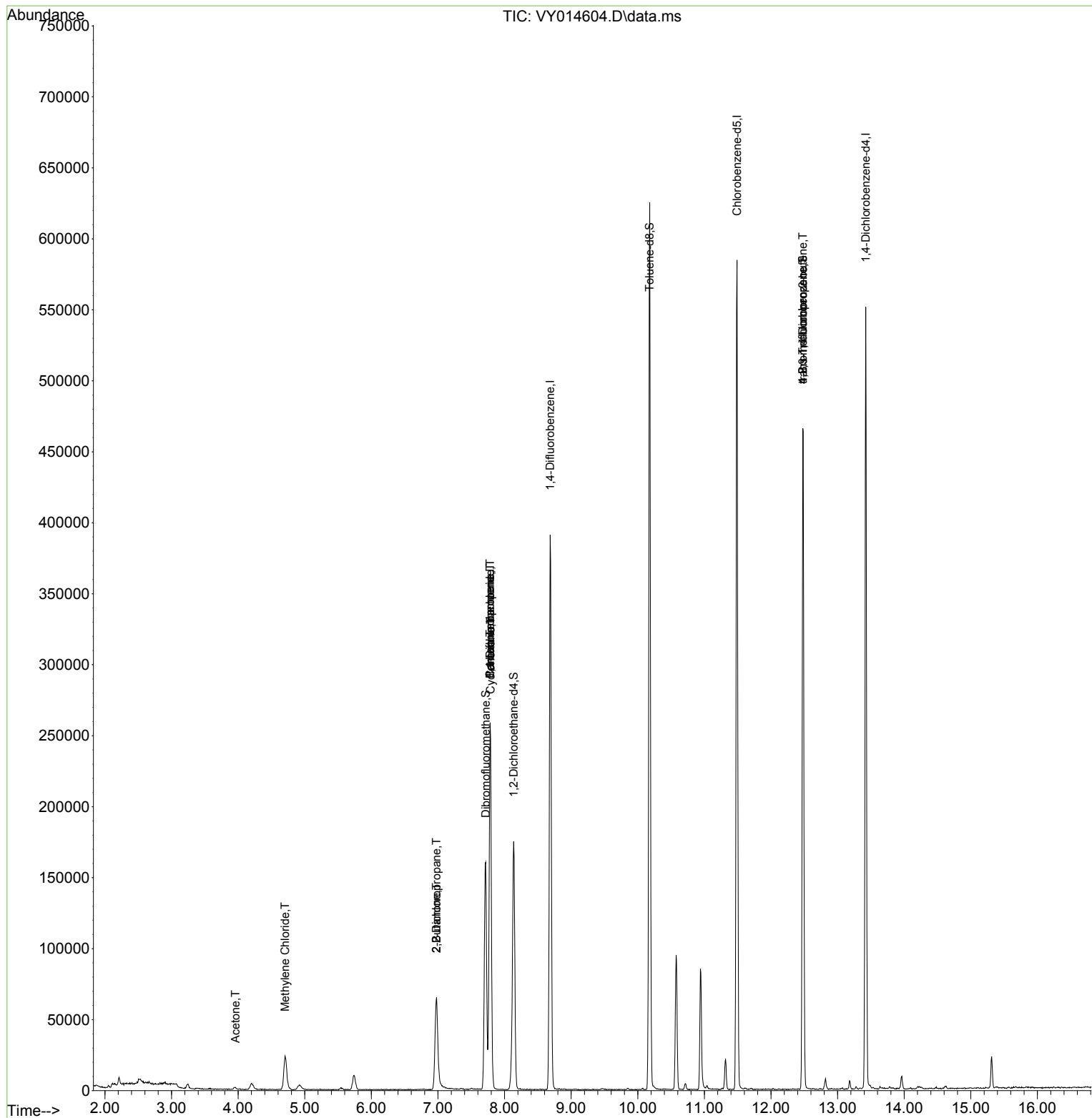
Internal Standards							
1) Pentafluorobenzene		7.783	168	213517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.685	114	346425	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.490	117	334416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.422	152	146704	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.137	65	133514	62.859	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.720%		
35) Dibromofluoromethane		7.716	113	117370	55.018	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.040%		
50) Toluene-d8		10.179	98	421069	49.930	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.860%		
62) 4-Bromofluorobenzene		12.477	95	130730	44.643	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.280%		
Target Compounds							Qvalue
2) Dichlorodifluoromethane		1.900	85	120	Below Cal	#	43
11) Tert butyl alcohol		4.918	59	2196	Below Cal	#	89
16) Acetone		3.960	43	2458	3.706	ug/l	90
20) Methylene Chloride		4.704	84	18728	2.947	ug/l	90
25) 2-Butanone		6.978	43	3408	3.470	ug/l #	77
26) 2,2-Dichloropropane		6.978	77	4983	1.497	ug/l #	54
31) Cyclohexane		7.789	56	4288	1.287	ug/l #	9
36) 1,1-Dichloropropene		7.783	75	15992	4.895	ug/l #	48
38) Carbon Tetrachloride		7.783	117	18836	5.523	ug/l #	18
76) 1,2,3-Trichloropropane		12.477	75	64849	37.670	ug/l #	100
81) trans-1,4-Dichloro-2-b...		12.477	75	64849	73.321	ug/l #	11

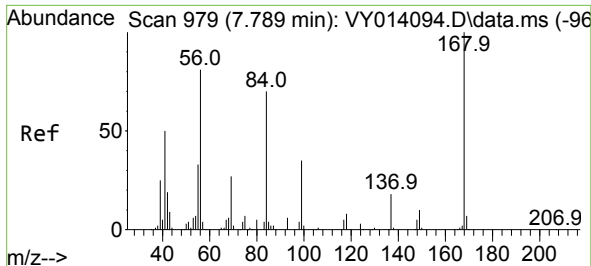
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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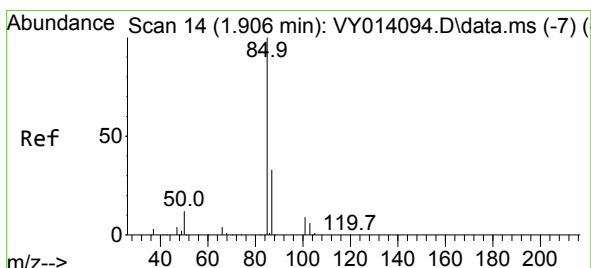
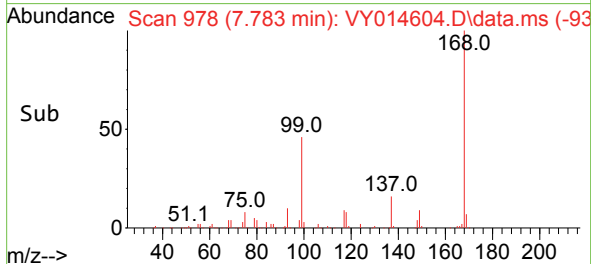
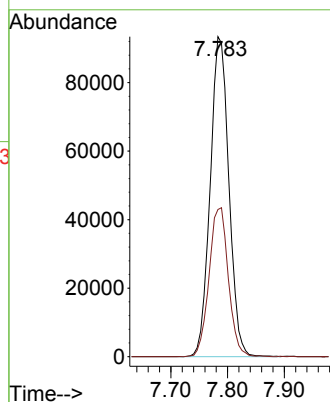
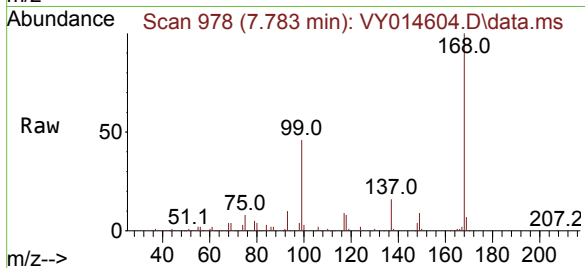




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014604.D
Acq: 07 Jul 2023 18:07

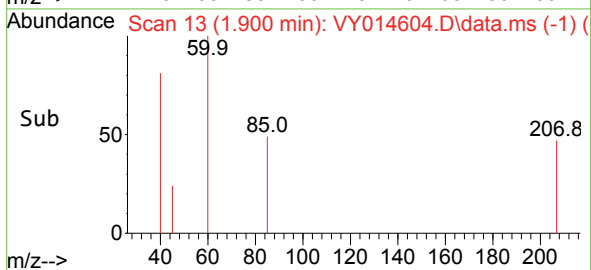
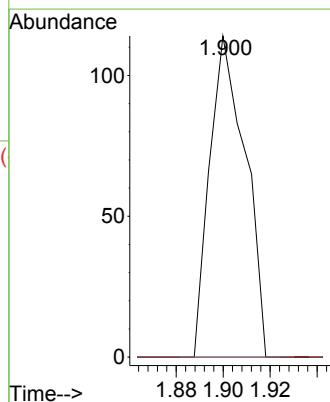
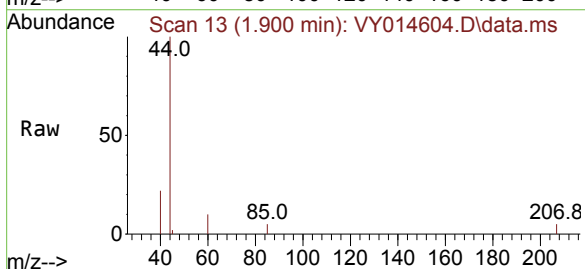
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-289

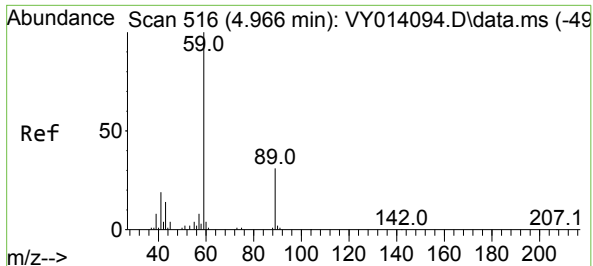
Tgt Ion:168 Resp: 213517
Ion Ratio Lower Upper
168 100
99 45.9 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY014604.D
Acq: 07 Jul 2023 18:07

Tgt Ion: 85 Resp: 120
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.918 min Scan# 508

Delta R.T. -0.048 min

Lab File: VY014604.D

Acq: 07 Jul 2023 18:07

Instrument :

MSVOA_Y

ClientSampleId :

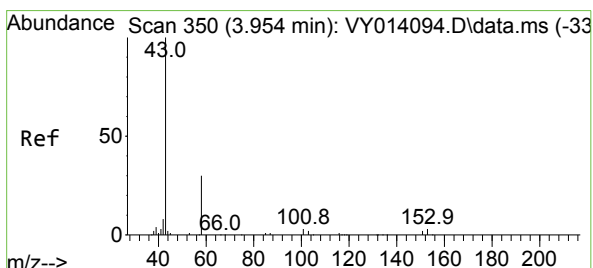
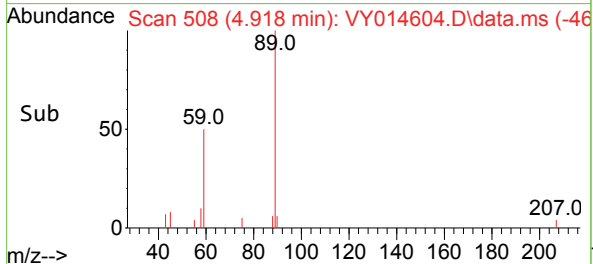
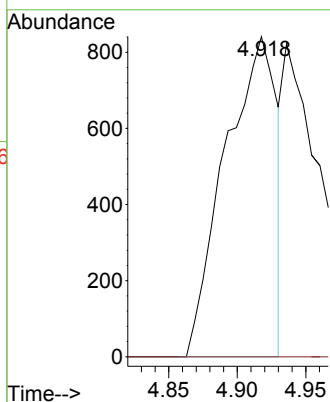
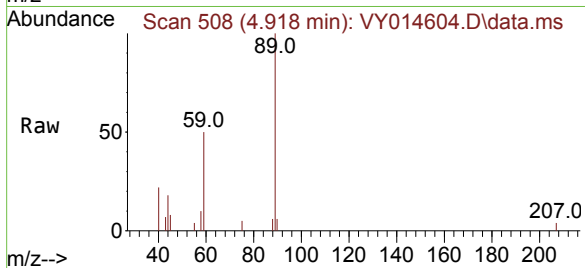
ETGI-289

Tgt Ion: 59 Resp: 2196

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 3.706 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY014604.D

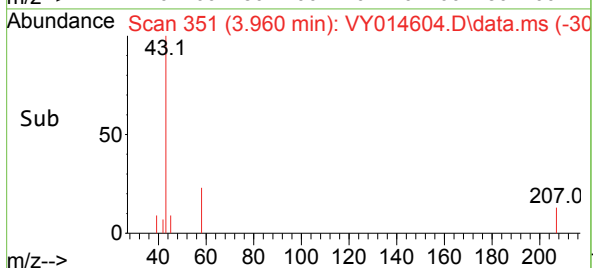
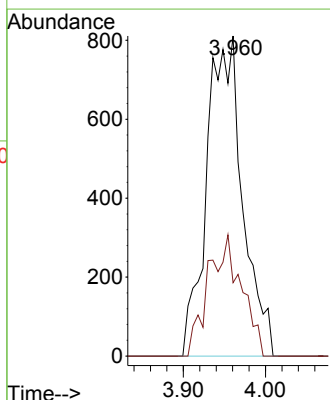
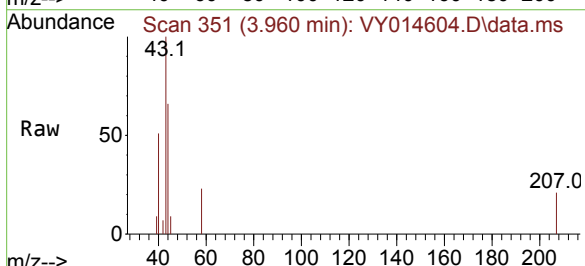
Acq: 07 Jul 2023 18:07

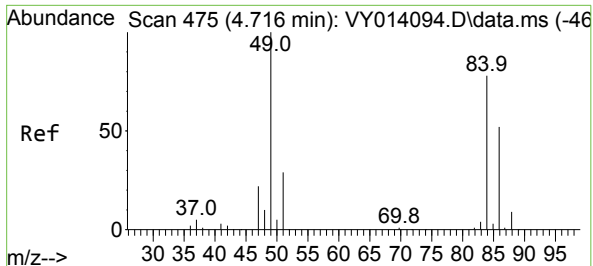
Tgt Ion: 43 Resp: 2458

Ion Ratio Lower Upper

43 100

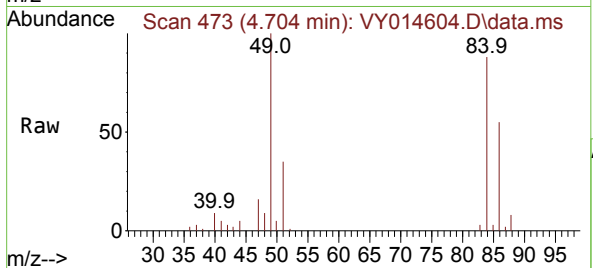
58 22.9 22.7 34.1



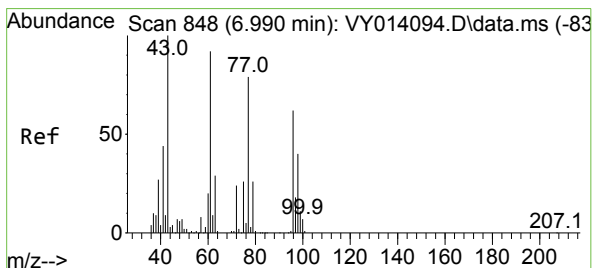
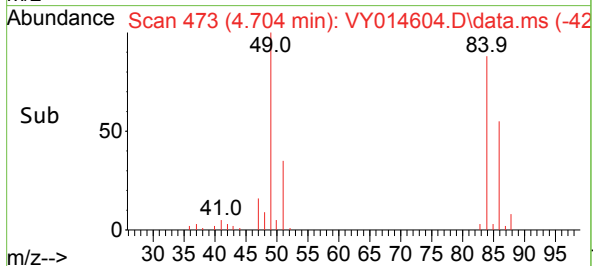
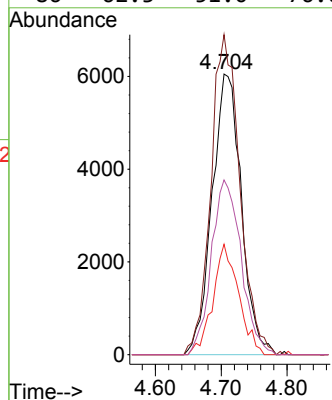


#20
Methylene Chloride
Concen: 2.947 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY014604.D
Acq: 07 Jul 2023 18:07

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-289

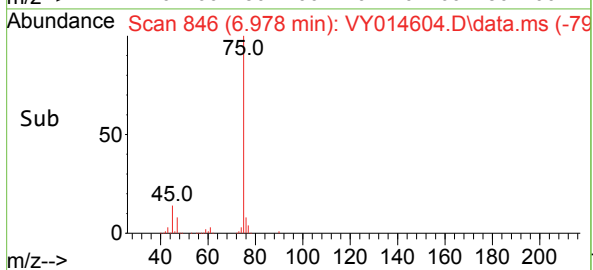
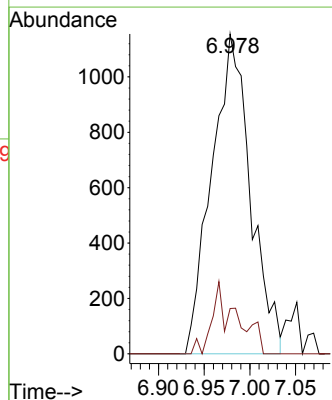
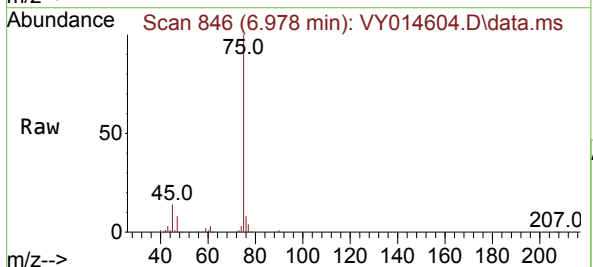


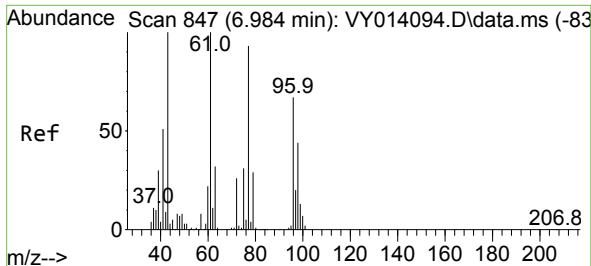
Tgt Ion:	84	Resp:	18728
Ion	Ratio	Lower	Upper
84	100		
49	114.0	106.9	160.3
51	39.4	33.2	49.8
86	62.3	51.0	76.6



#25
2-Butanone
Concen: 3.470 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014604.D
Acq: 07 Jul 2023 18:07

Tgt Ion:	43	Resp:	3408
Ion	Ratio	Lower	Upper
43	100		
72	14.2	20.5	30.7#

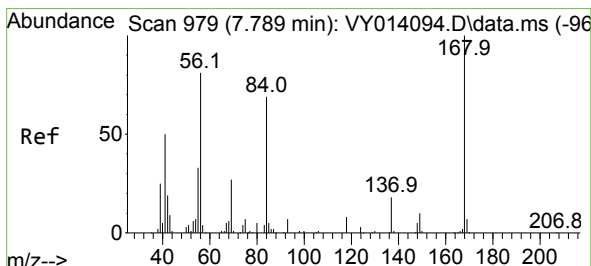
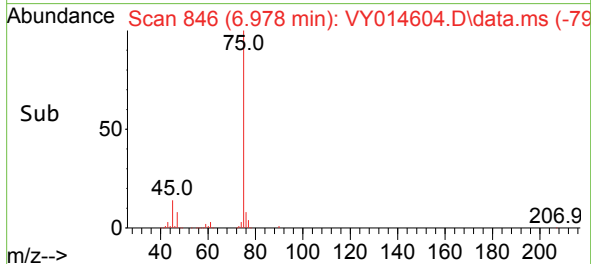
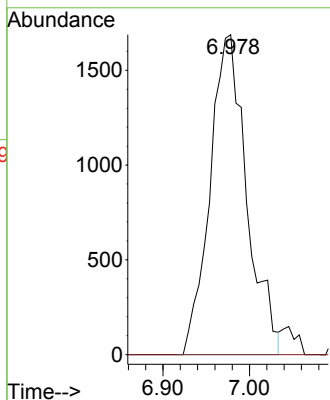
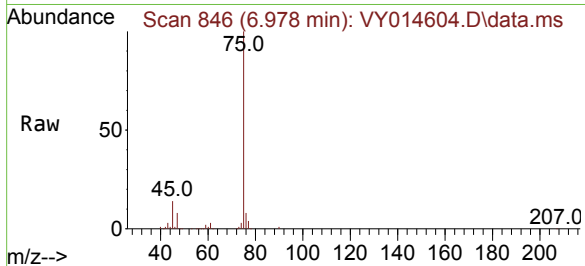




#26
2,2-Dichloropropane
Concen: 1.497 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014604.D
Acq: 07 Jul 2023 18:07

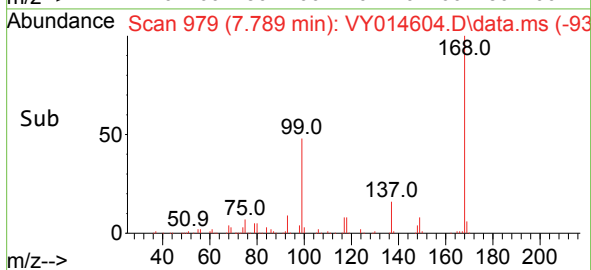
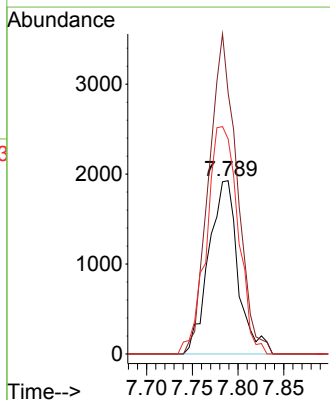
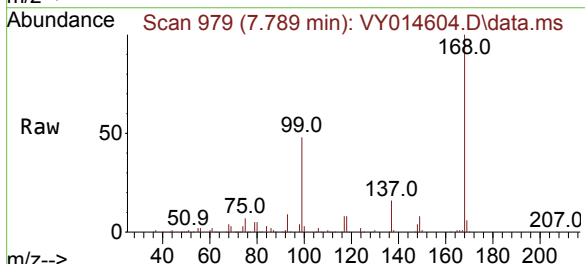
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-289

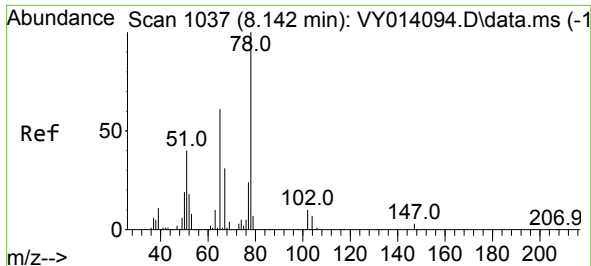
Tgt Ion: 77 Resp: 4983
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY014604.D
Acq: 07 Jul 2023 18:07

Tgt Ion: 56 Resp: 4288
Ion Ratio Lower Upper
56 100
69 150.7 27.8 41.6#
84 124.1 66.4 99.6#

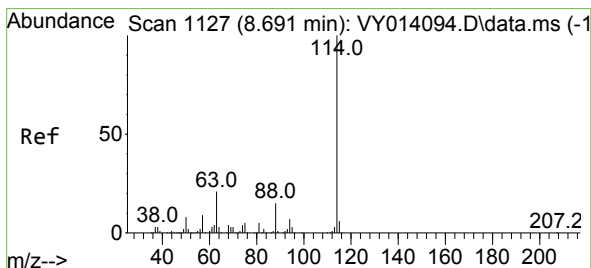
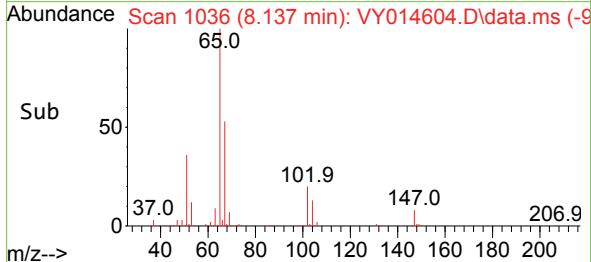
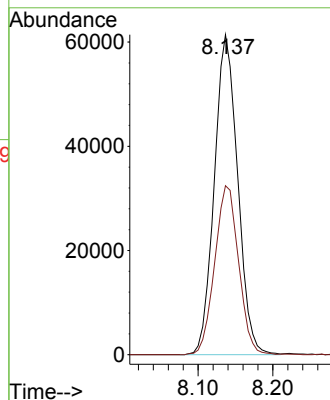
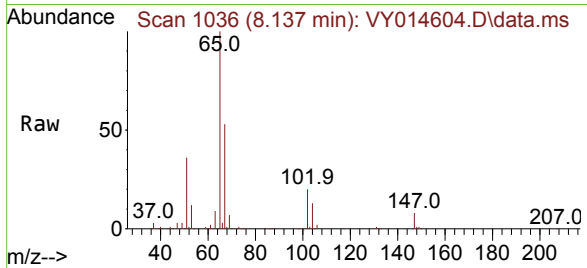




#33
 1,2-Dichloroethane-d4
 Concen: 62.859 ug/l
 RT: 8.137 min Scan# 1037
 Delta R.T. -0.005 min
 Lab File: VY014604.D
 Acq: 07 Jul 2023 18:07

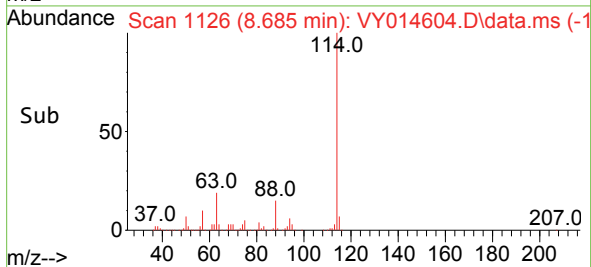
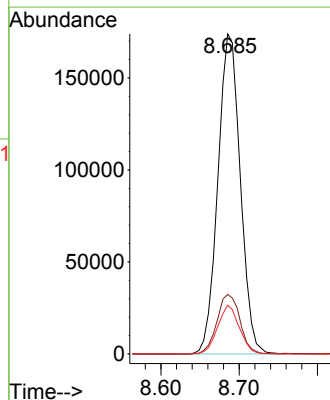
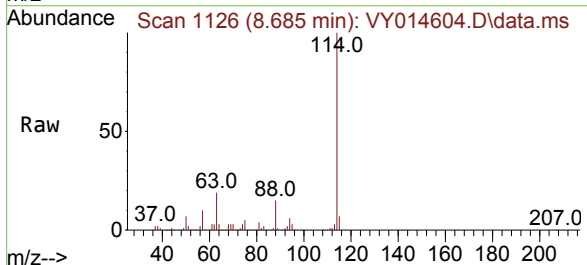
Instrument :
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 ClientSampleId :
 ETGI-289

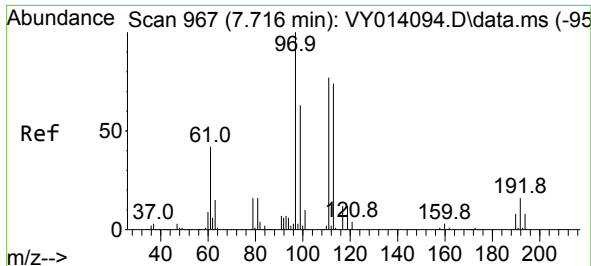
Tgt Ion: 65 Resp: 133514
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY014604.D
 Acq: 07 Jul 2023 18:07

Tgt Ion: 114 Resp: 346425
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 42.4
 88 15.3 0.0 30.6

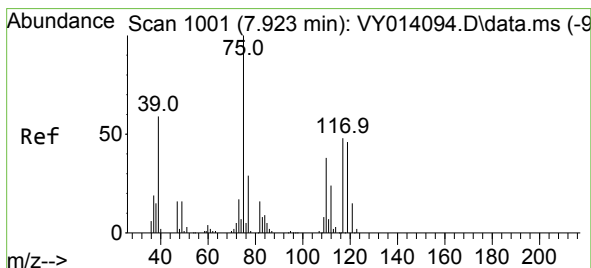
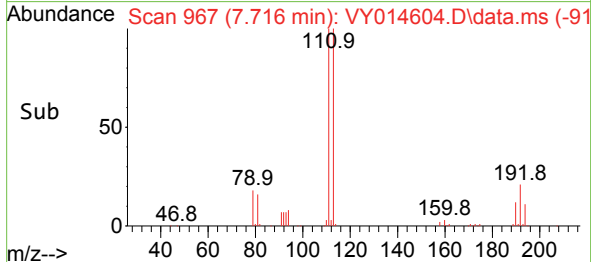
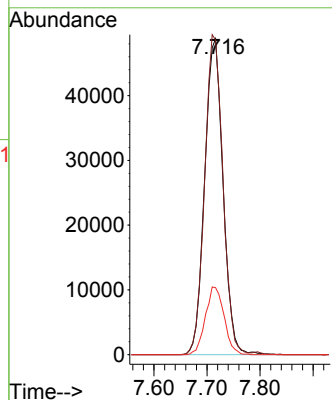
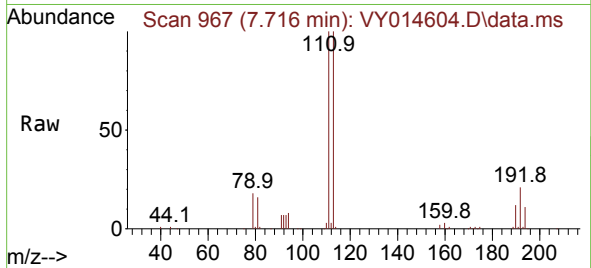




#35
Dibromofluoromethane
Concen: 55.018 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014604.D
Acq: 07 Jul 2023 18:07

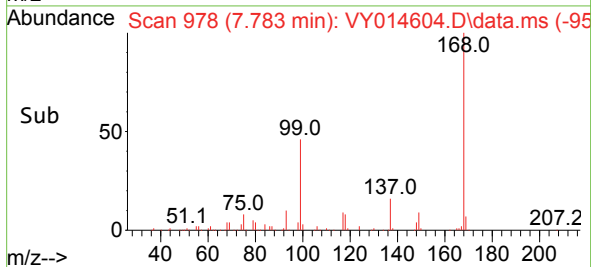
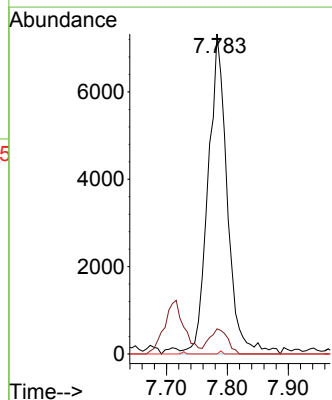
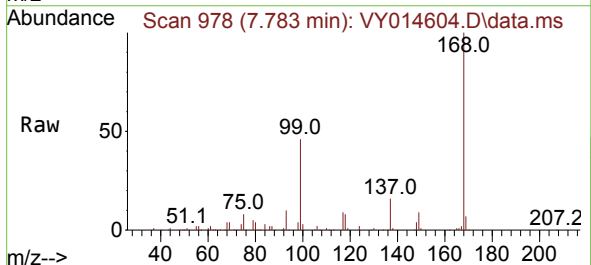
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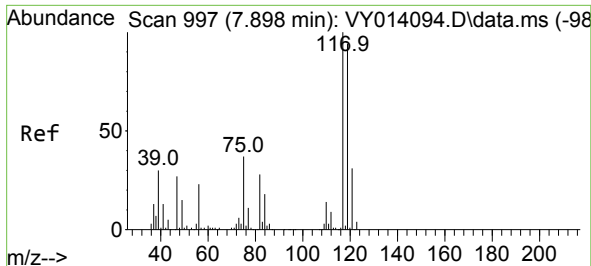
Tgt Ion:113 Resp: 117370
Ion Ratio Lower Upper
113 100
111 100.6 81.3 121.9
192 21.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.895 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014604.D
Acq: 07 Jul 2023 18:07

Tgt Ion: 75 Resp: 15992
Ion Ratio Lower Upper
75 100
110 7.4 17.8 53.5#
77 0.2 24.4 36.6#

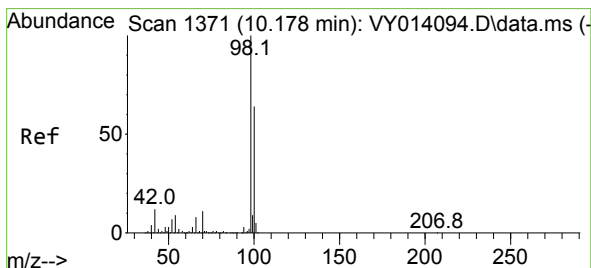
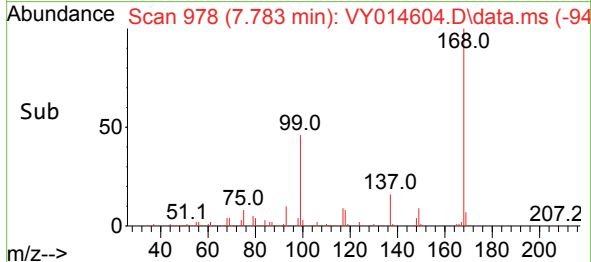
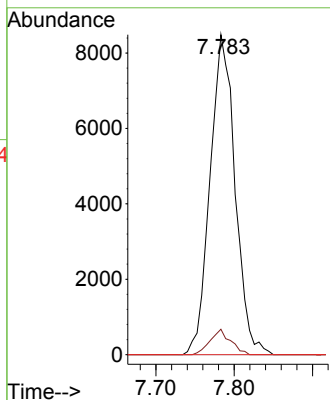
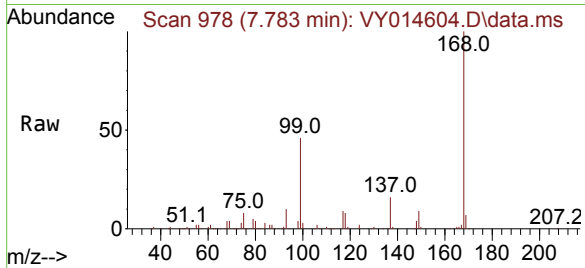




#38
Carbon Tetrachloride
Concen: 5.523 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014604.D
Acq: 07 Jul 2023 18:07

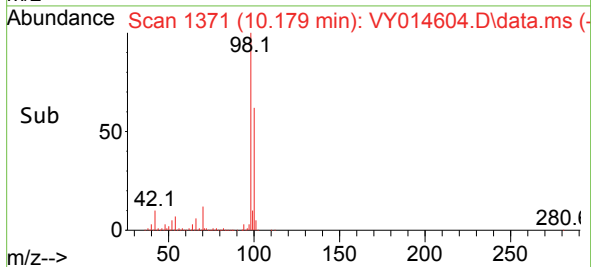
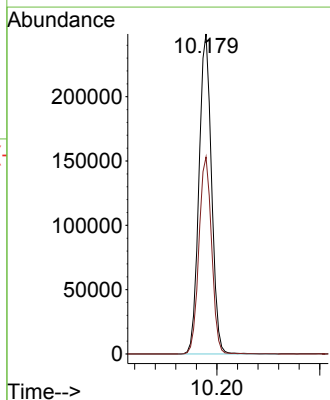
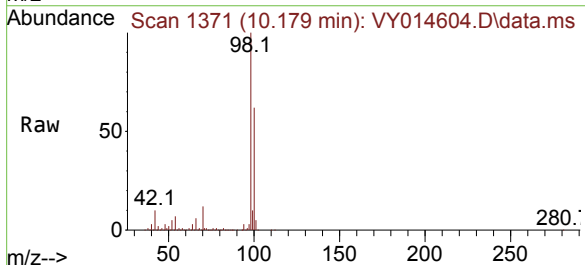
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-289

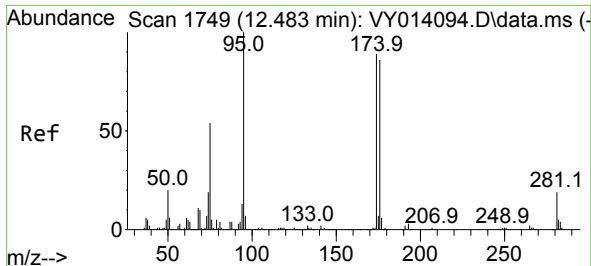
Tgt Ion:117 Resp: 18836
Ion Ratio Lower Upper
117 100
119 8.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.930 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014604.D
Acq: 07 Jul 2023 18:07

Tgt Ion: 98 Resp: 421069
Ion Ratio Lower Upper
98 100
100 62.0 50.1 75.1

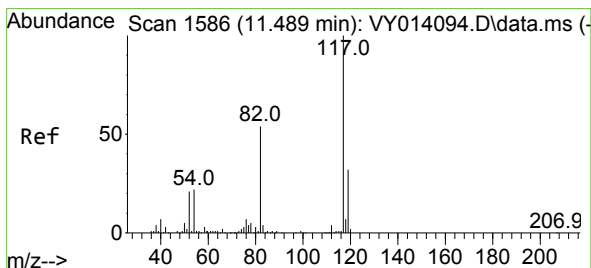
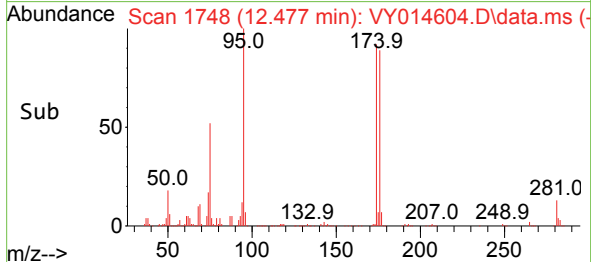
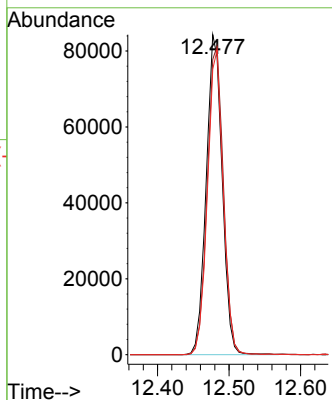
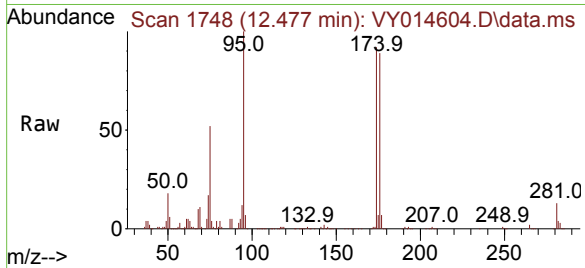




#62
4-Bromofluorobenzene
Concen: 44.643 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014604.D
Acq: 07 Jul 2023 18:07

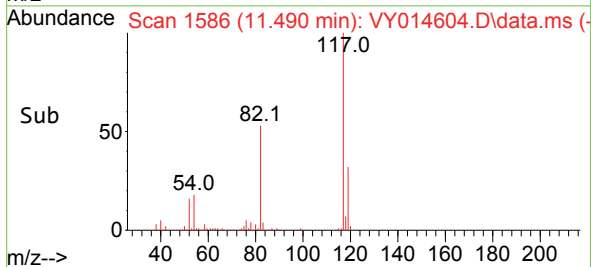
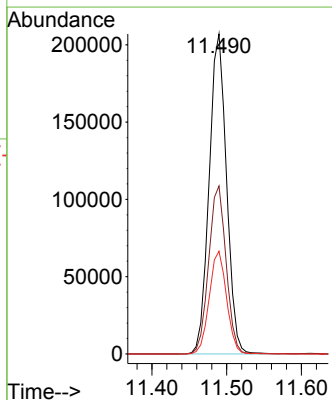
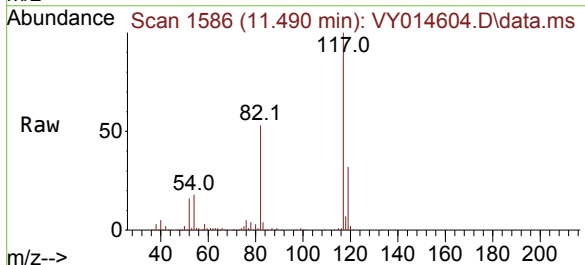
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-289

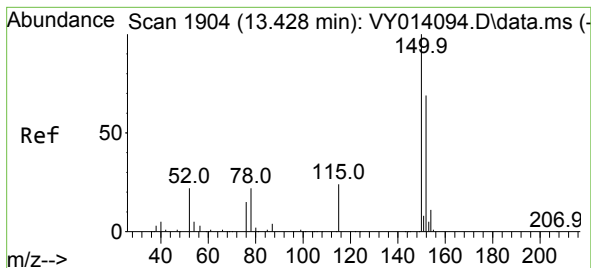
Tgt Ion: 95 Resp: 130730
Ion Ratio Lower Upper
95 100
174 97.9 0.0 178.2
176 93.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014604.D
Acq: 07 Jul 2023 18:07

Tgt Ion: 117 Resp: 334416
Ion Ratio Lower Upper
117 100
82 52.5 43.4 65.0
119 32.1 26.3 39.5

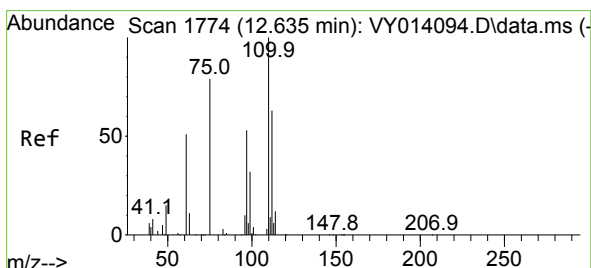
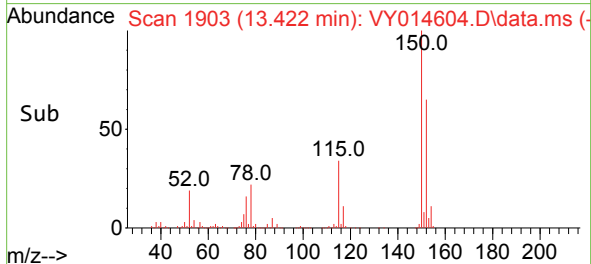
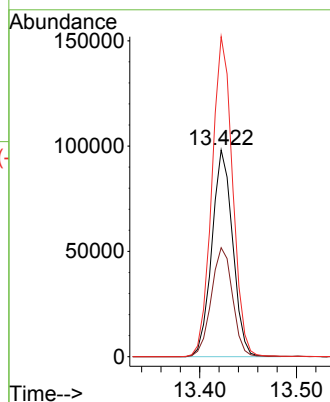
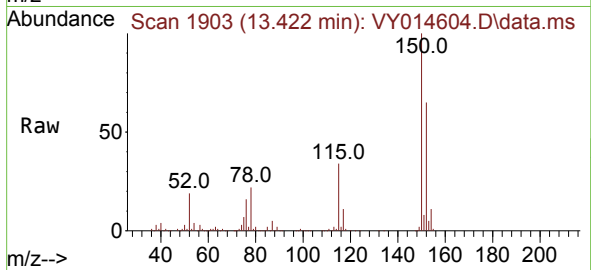




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY014604.D
 Acq: 07 Jul 2023 18:07

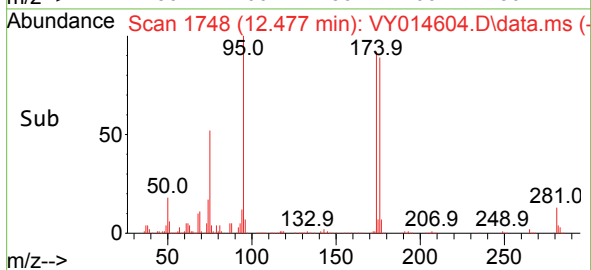
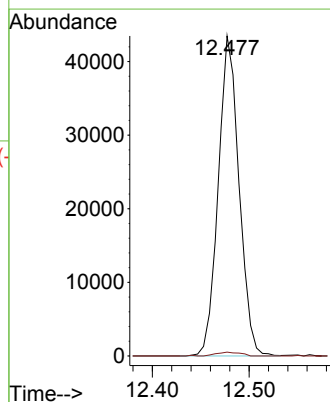
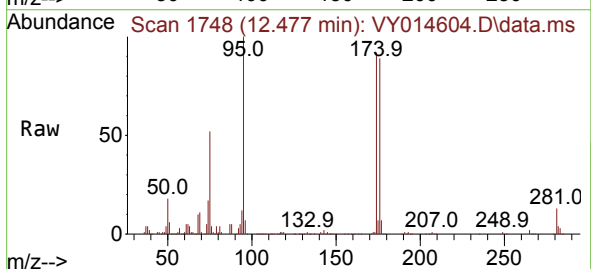
Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-289

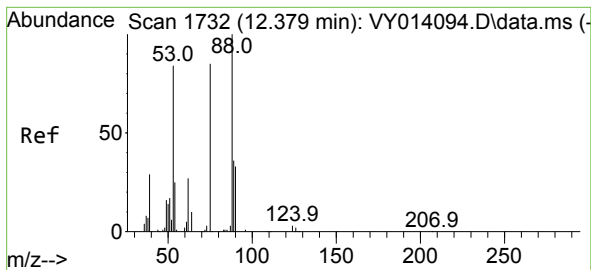
Tgt Ion:152 Resp: 146704
 Ion Ratio Lower Upper
 152 100
 115 53.9 28.8 86.5
 150 154.5 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 37.670 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY014604.D
 Acq: 07 Jul 2023 18:07

Tgt Ion: 75 Resp: 64849
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.321 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014604.D
 Acq: 07 Jul 2023 18:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-289

Tgt Ion: 75 Resp: 64849
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.8 116.8#
 89 0.1 37.4 56.0#

