

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013023\
 Data File : VY012394.D
 Acq On : 30 Jan 2023 13:51
 Operator : KP/MD
 Sample : 01345-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-346

Quant Time: Jan 31 01:47:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

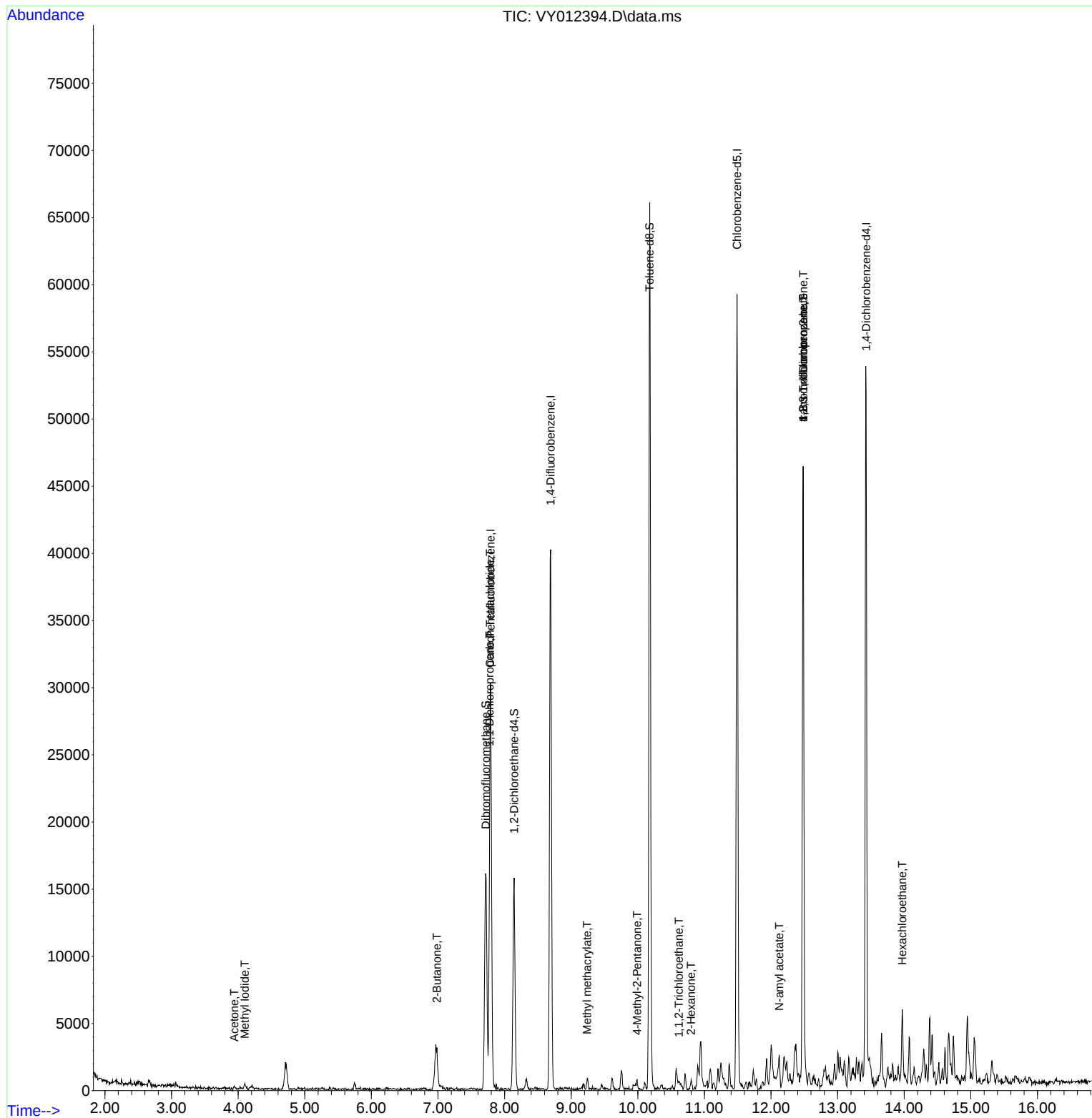
Internal Standards						
1) Pentafluorobenzene	7.789	168	23844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	37505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	34290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	14659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	13262	68.562	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 137.120%		
35) Dibromofluoromethane	7.716	113	11212	56.458	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 112.920%		
50) Toluene-d8	10.179	98	43788	64.932	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 129.860%		
62) 4-Bromofluorobenzene	12.483	95	12958	46.287	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 92.580%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.100	142	391	1.206	ug/l #	82
11) Tert butyl alcohol	4.948	59	22	Below Cal	#	74
16) Acetone	3.942	43	210	3.163	ug/l #	40
20) Methylene Chloride	4.710	84	1603	Below Cal	#	78
25) 2-Butanone	6.984	43	74	1.010	ug/l #	46
36) 1,1-Dichloropropene	7.777	75	1636	4.847	ug/l #	49
38) Carbon Tetrachloride	7.783	117	2372	5.442	ug/l #	17
48) Methyl methacrylate	9.240	41	163	1.278	ug/l #	10
51) 4-Methyl-2-Pentanone	9.990	43	371	2.513	ug/l #	34
55) 1,1,2-Trichloroethane	10.618	97	330	1.707	ug/l #	16
59) 2-Hexanone	10.800	43	335	2.981	ug/l #	23
74) N-amyl acetate	12.123	43	624	3.011	ug/l #	69
76) 1,2,3-Trichloropropane	12.483	75	6586	48.859	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6586	100.672	ug/l #	13
90) Hexachloroethane	13.971	117	265	1.473	ug/l #	9

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

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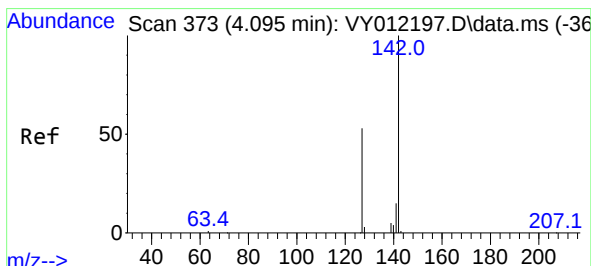
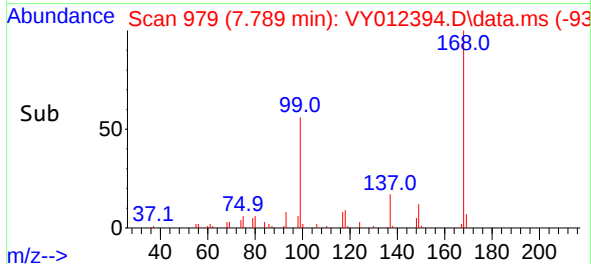
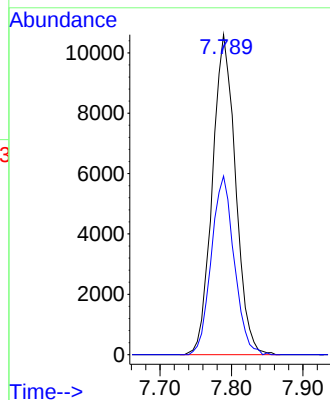
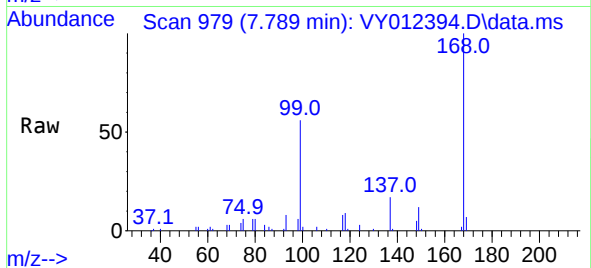




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

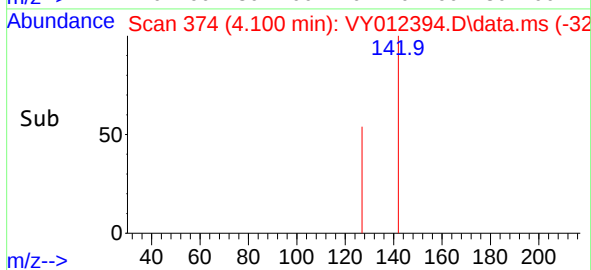
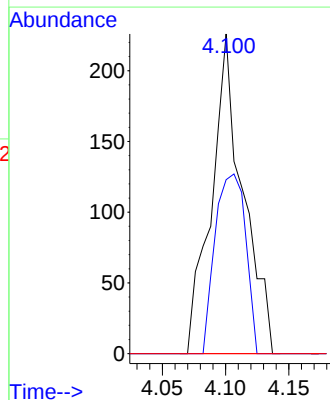
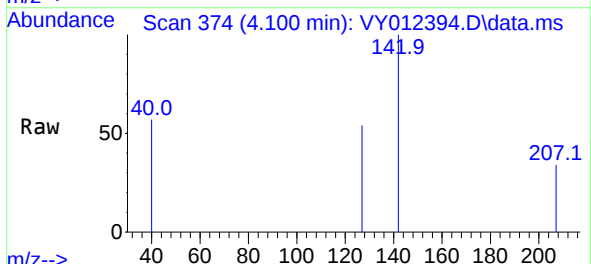
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

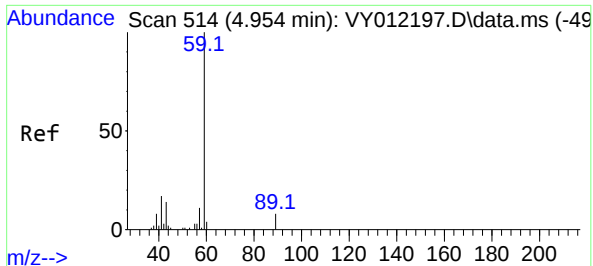
Tgt Ion:168 Resp: 23844
Ion Ratio Lower Upper
168 100
99 55.8 44.0 66.0



#10
Methyl Iodide
Concen: 1.206 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.005 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

Tgt Ion:142 Resp: 391
Ion Ratio Lower Upper
142 100
127 54.5 37.0 55.4
141 0.0 11.4 17.0#

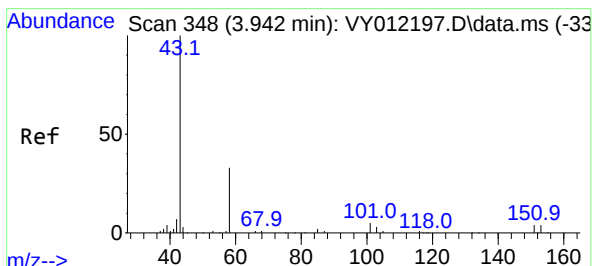
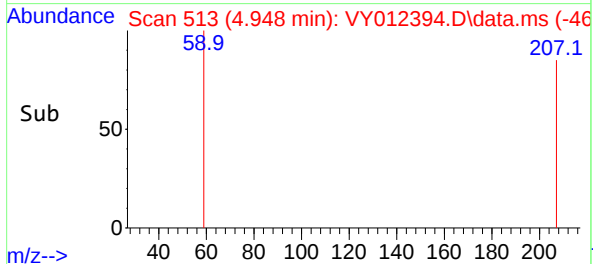
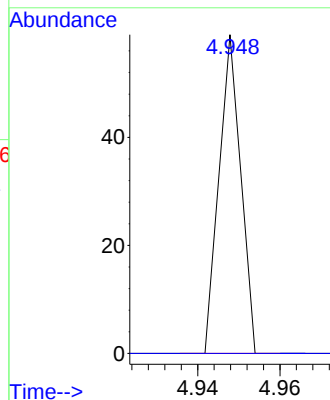
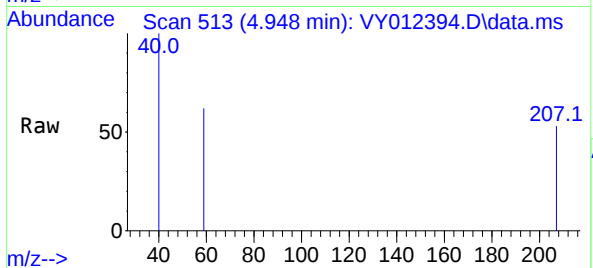




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 514
Delta R.T. -0.000 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

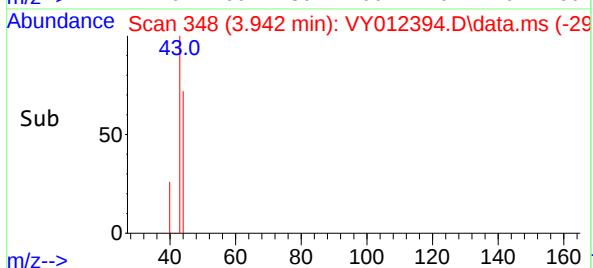
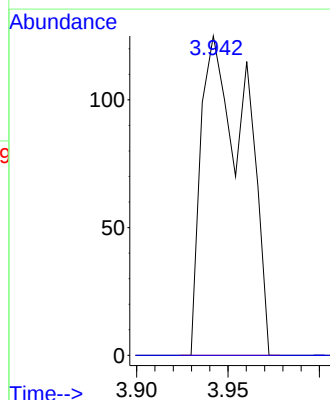
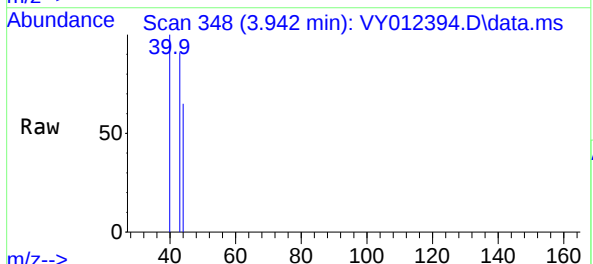
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

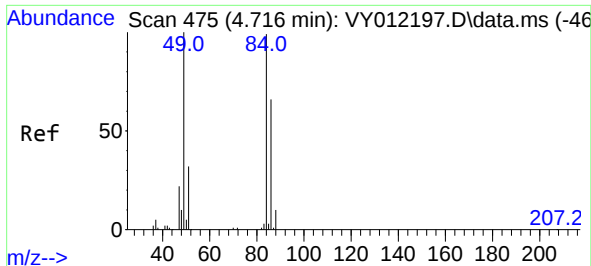
Tgt Ion: 59 Resp: 22
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 3.163 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



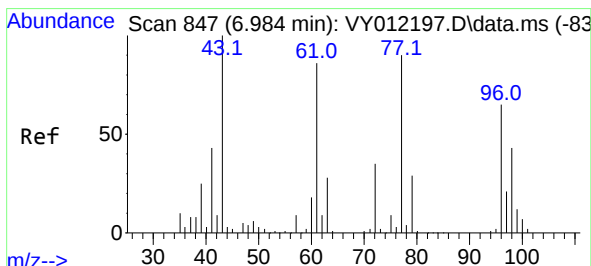
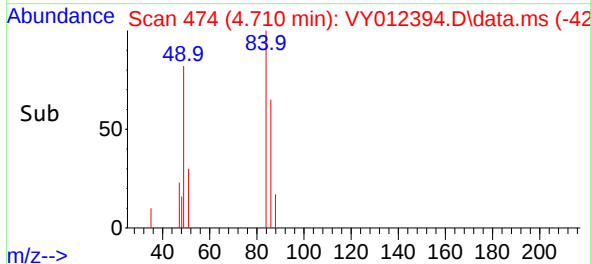
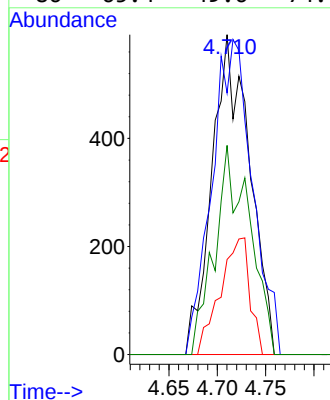
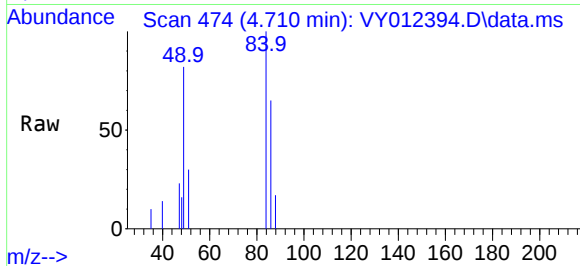


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

Tgt Ion: 84 Resp: 1603

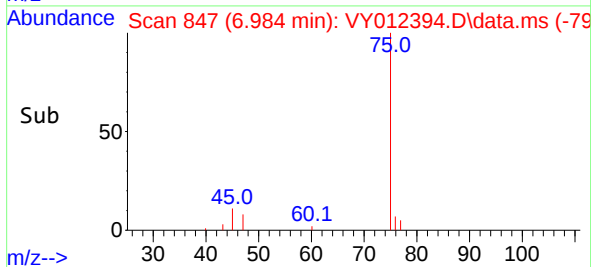
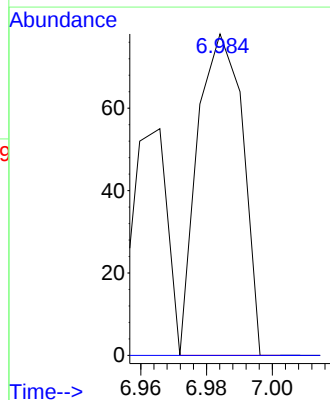
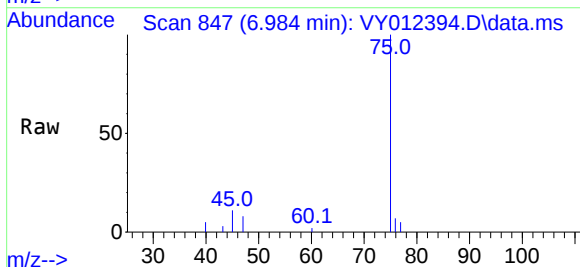
Ion	Ratio	Lower	Upper
84	100		
49	81.8	95.4	143.2#
51	29.7	29.9	44.9#
86	65.4	49.6	74.4

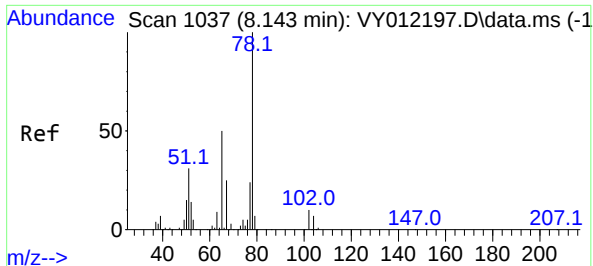


#25
2-Butanone
Concen: 1.010 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

Tgt Ion: 43 Resp: 74

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.6	34.0#





#33

1,2-Dichloroethane-d4

Concen: 68.562 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012394.D

Acq: 30 Jan 2023 13:51

Instrument :

MSVOA_Y

ClientSampleId :

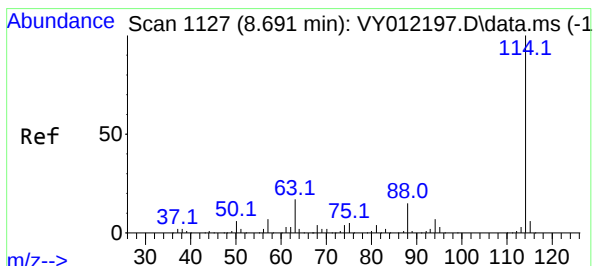
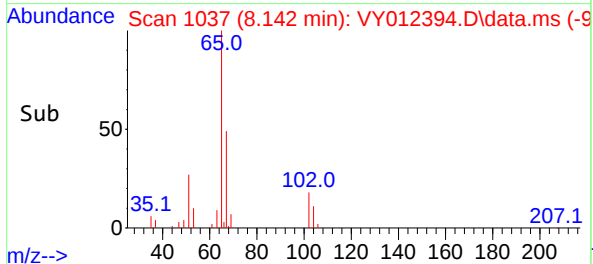
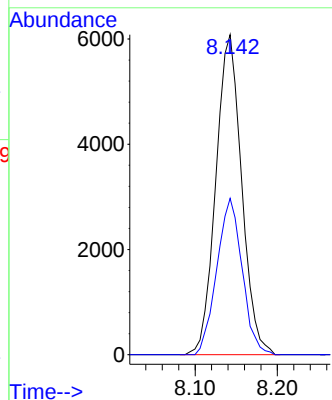
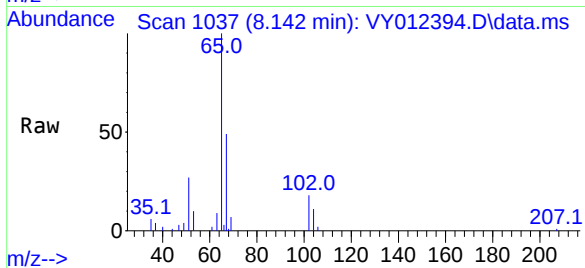
ETGI-346

Tgt Ion: 65 Resp: 13262

Ion Ratio Lower Upper

65 100

67 47.9 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012394.D

Acq: 30 Jan 2023 13:51

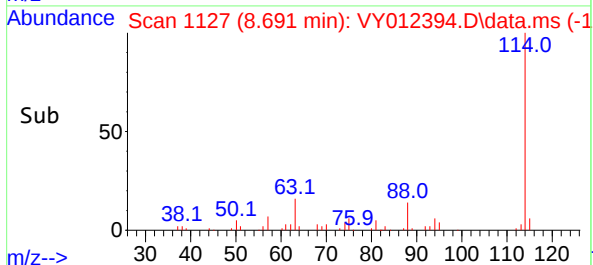
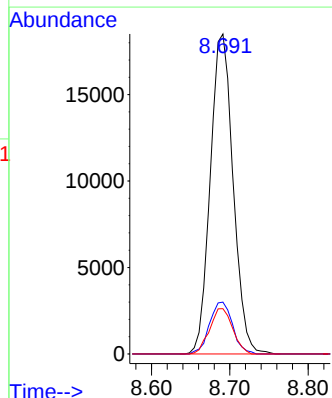
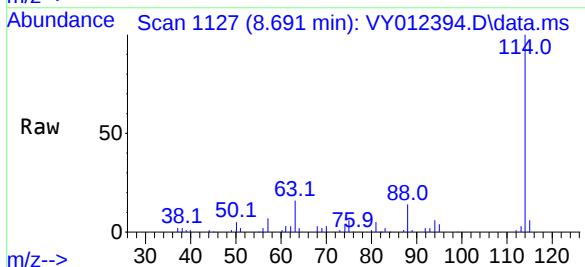
Tgt Ion:114 Resp: 37505

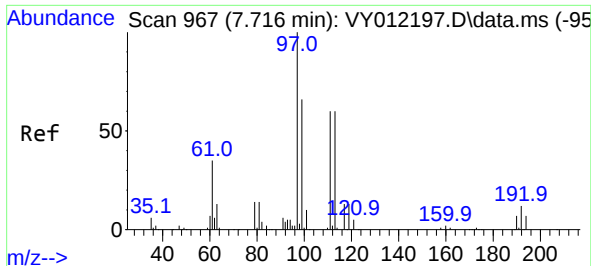
Ion Ratio Lower Upper

114 100

63 16.2 0.0 39.6

88 14.2 0.0 32.2

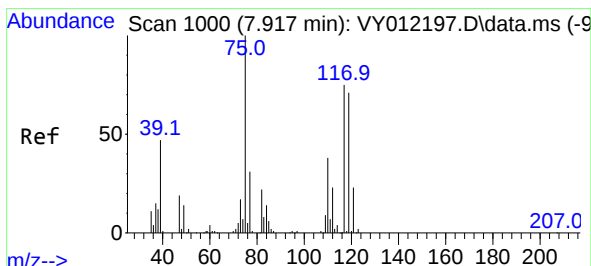
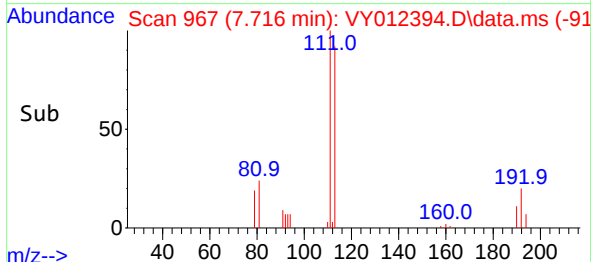
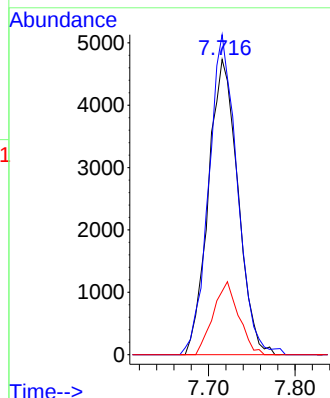
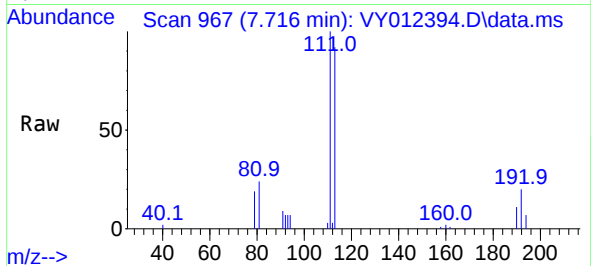




#35
Dibromofluoromethane
Concen: 56.458 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

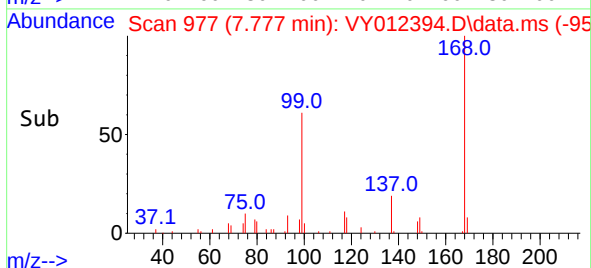
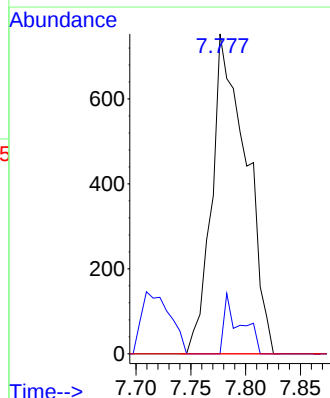
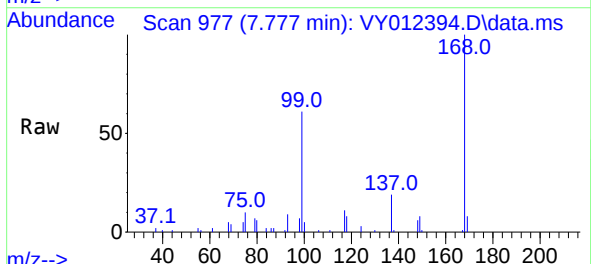
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

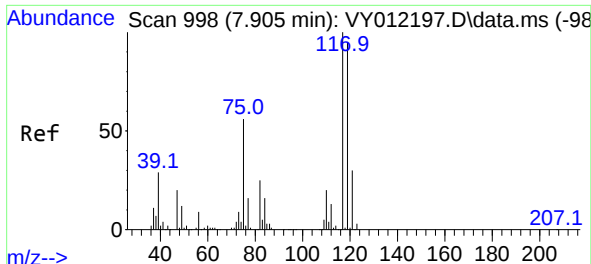
Tgt Ion:	113	Resp:	11212
Ion	Ratio	Lower	Upper
113	100		
111	104.5	83.0	124.4
192	21.3	16.0	24.0



#36
1,1-Dichloropropene
Concen: 4.847 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.140 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

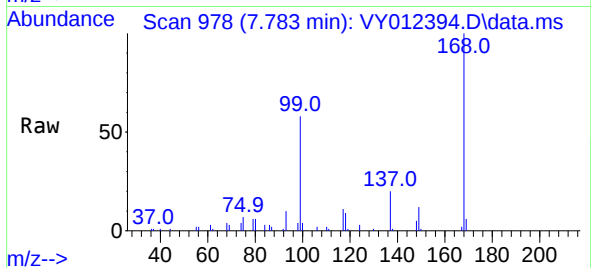
Tgt Ion:	75	Resp:	1636
Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.1#
77	0.0	25.1	37.7#



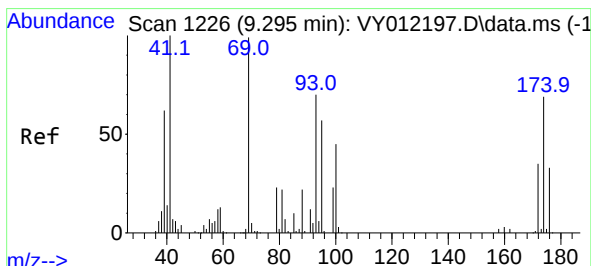
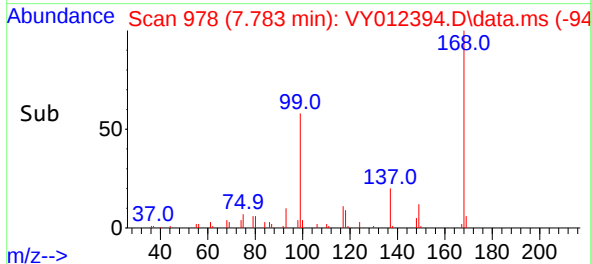
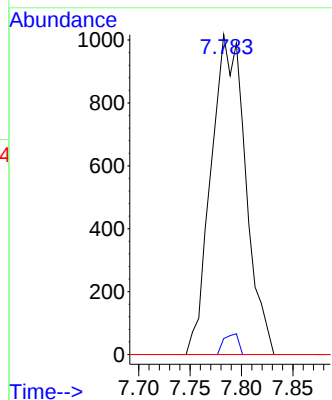


#38
Carbon Tetrachloride
Concen: 5.442 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

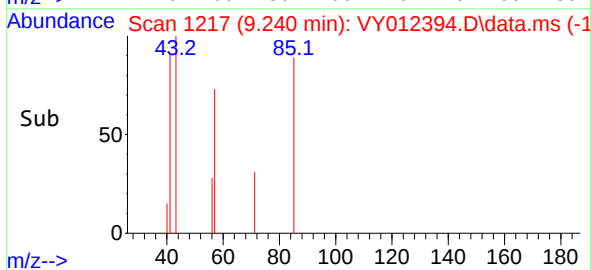
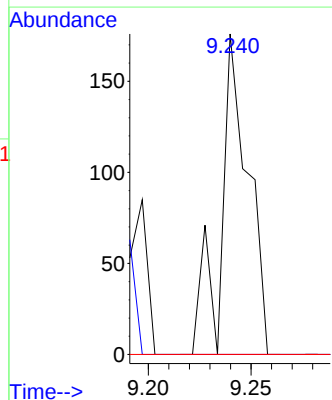
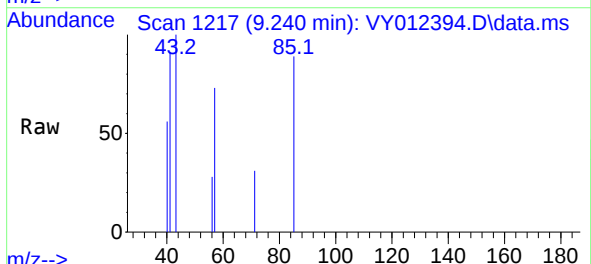


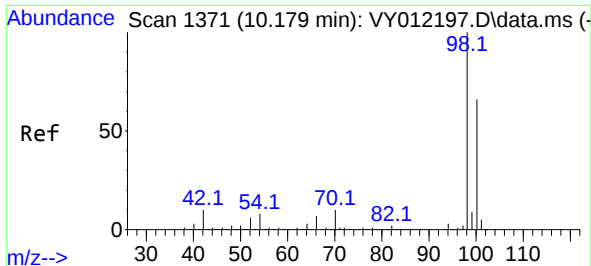
Tgt Ion: 117 Resp: 2372
Ion Ratio Lower Upper
117 100
119 5.0 73.8 110.8#
121 0.0 25.2 37.8#



#48
Methyl methacrylate
Concen: 1.278 ug/l
RT: 9.240 min Scan# 1217
Delta R.T. -0.055 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

Tgt Ion: 41 Resp: 163
Ion Ratio Lower Upper
41 100
69 0.0 74.2 111.2#
39 0.0 46.3 69.5#

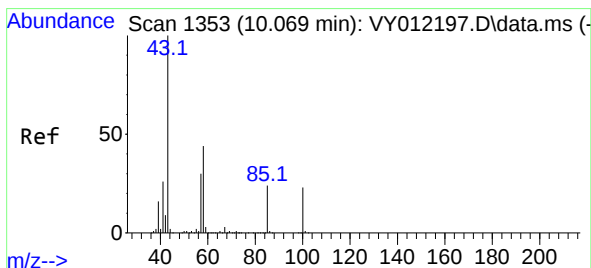
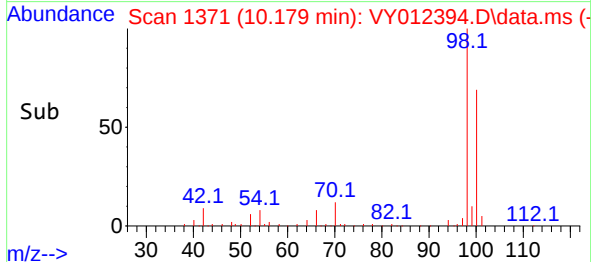
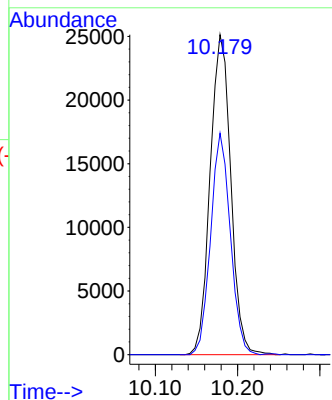
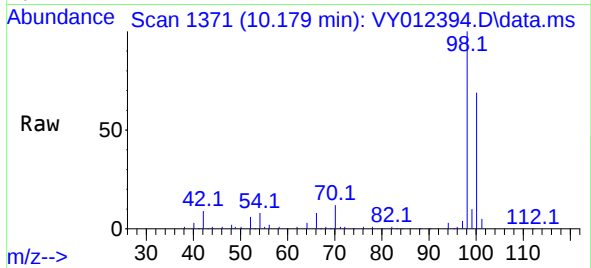




#50
Toluene-d8
Concen: 64.932 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

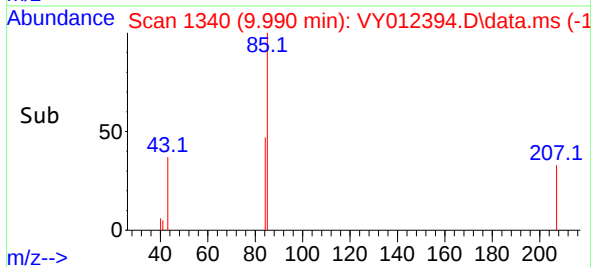
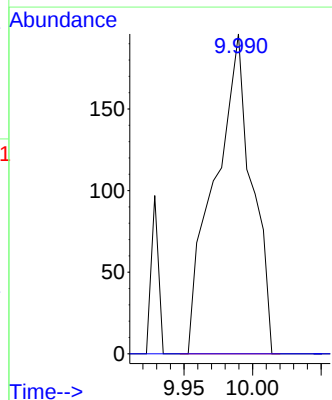
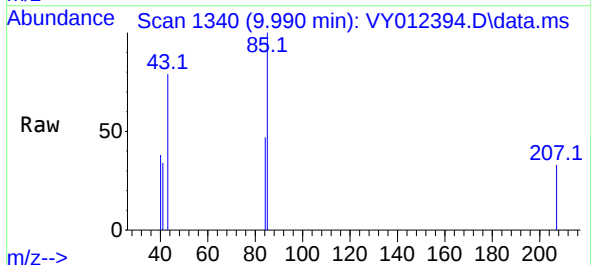
Instrument :
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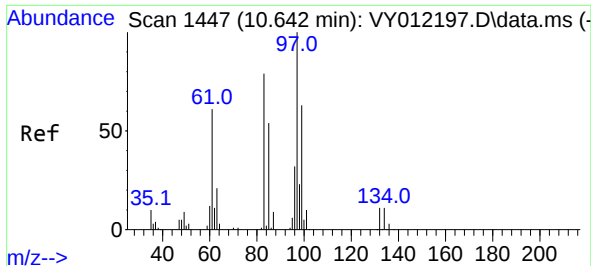
Tgt Ion: 98 Resp: 43788
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 2.513 ug/l
RT: 9.990 min Scan# 1340
Delta R.T. -0.079 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

Tgt Ion: 43 Resp: 371
Ion Ratio Lower Upper
43 100
58 0.0 32.9 49.3#

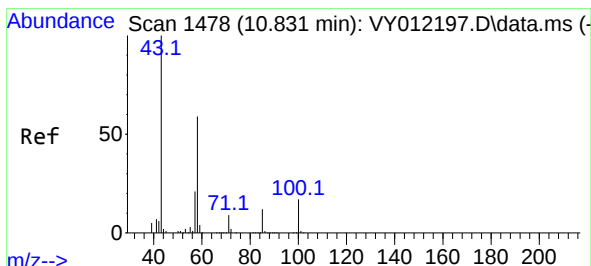
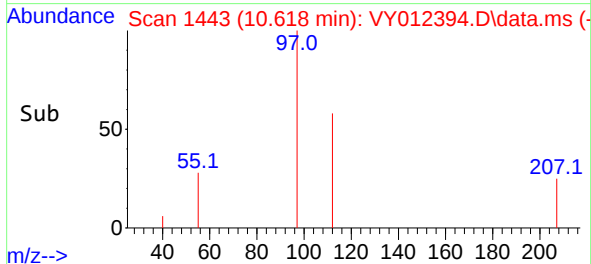
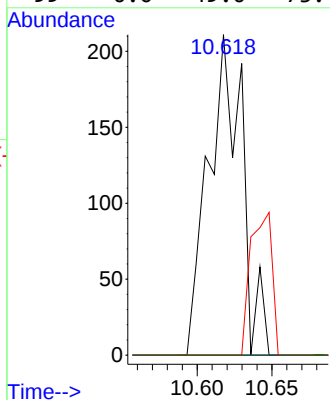
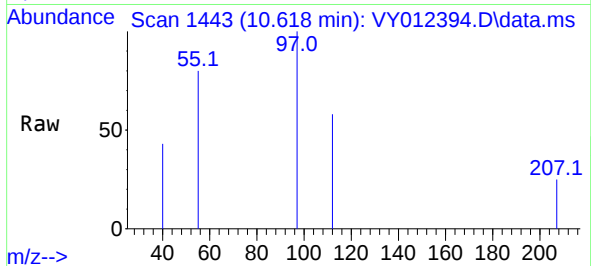




#55
1,1,2-Trichloroethane
Concen: 1.707 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

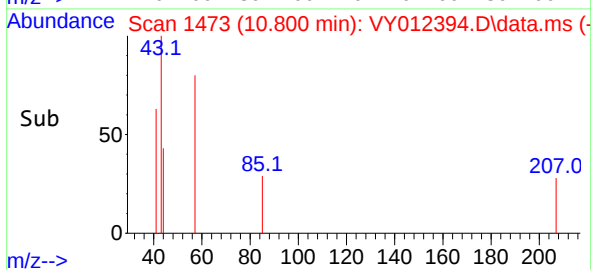
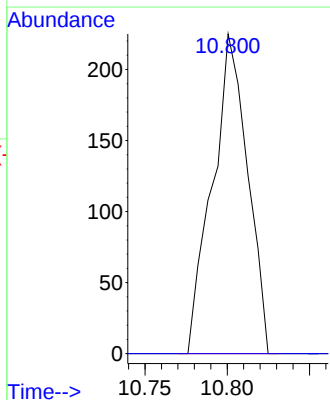
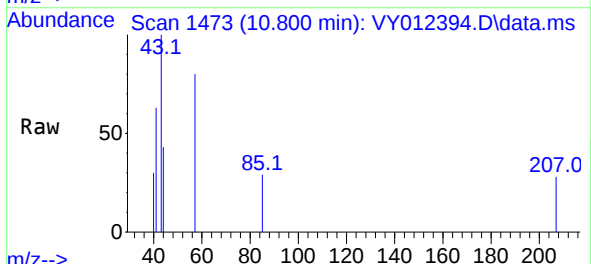
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

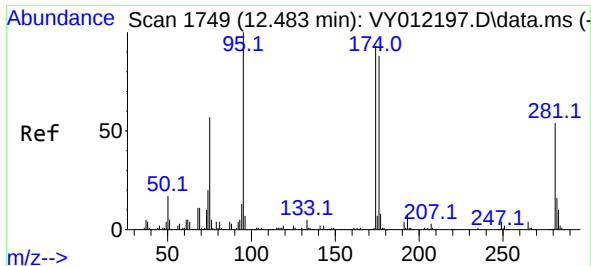
Tgt Ion: 97	Resp:	330
Ion	Ratio	Lower Upper
97	100	
83	0.0	67.7 101.5#
85	0.0	43.8 65.8#
99	0.0	49.0 73.4#



#59
2-Hexanone
Concen: 2.981 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

Tgt Ion: 43	Resp:	335
Ion	Ratio	Lower Upper
43	100	
58	0.0	28.4 85.2#

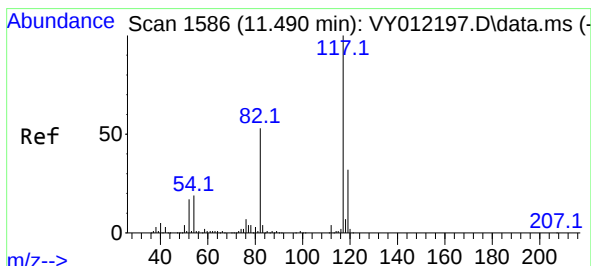
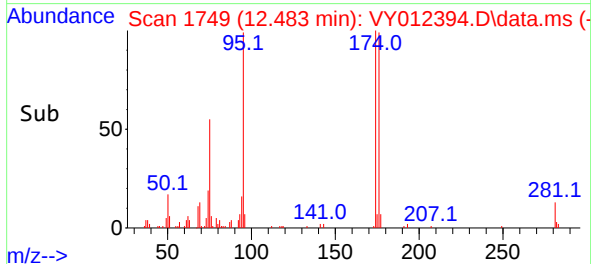
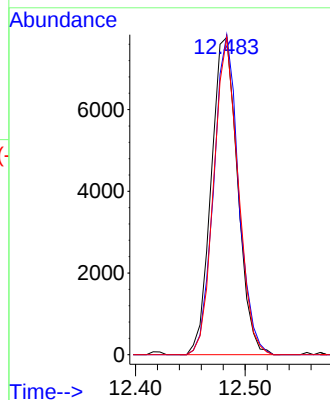
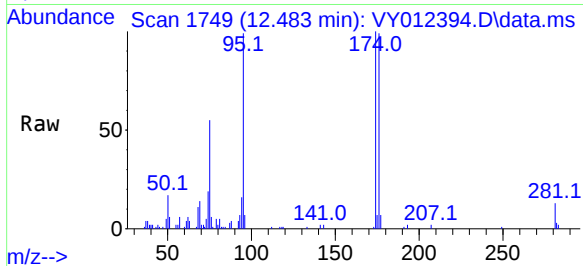




#62
4-Bromofluorobenzene
Concen: 46.287 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

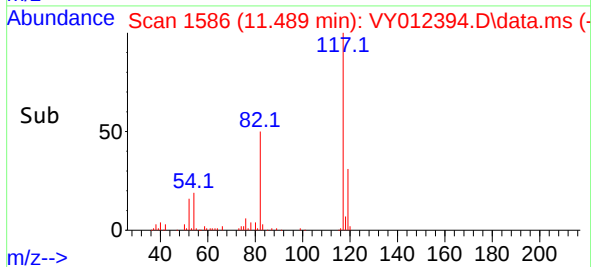
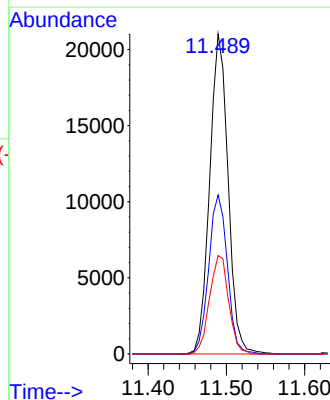
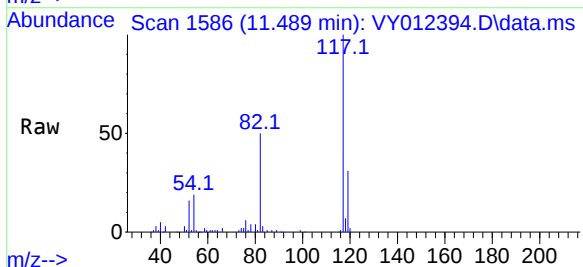
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

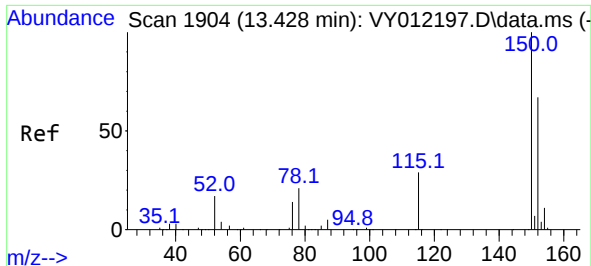
Tgt Ion:	95	Resp:	12958
Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	172.0
176	92.5	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

Tgt Ion:	117	Resp:	34290
Ion	Ratio	Lower	Upper
117	100		
82	49.7	44.8	67.2
119	30.7	25.4	38.2

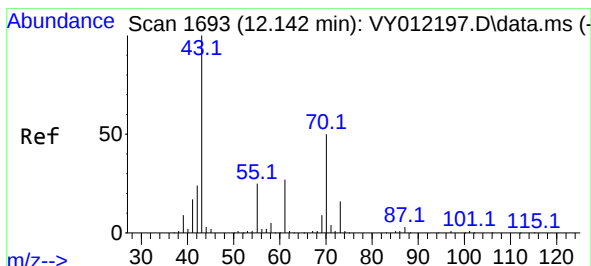
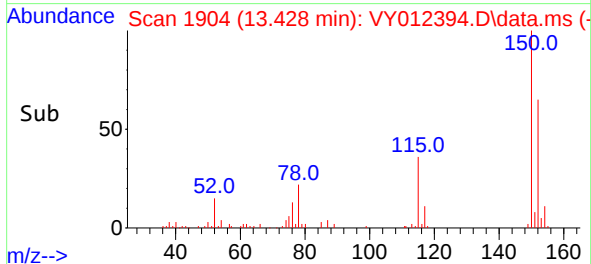
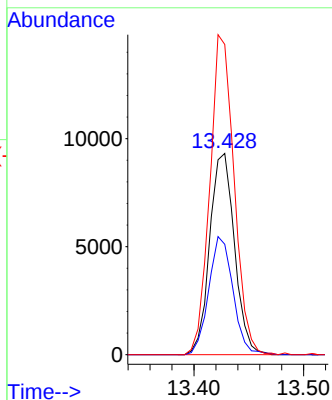
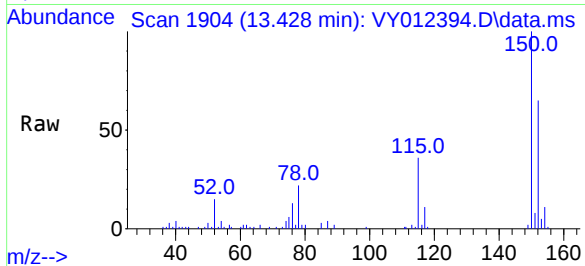




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

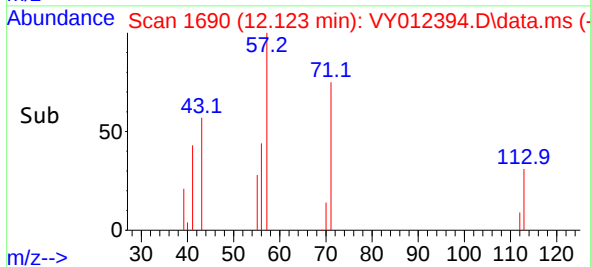
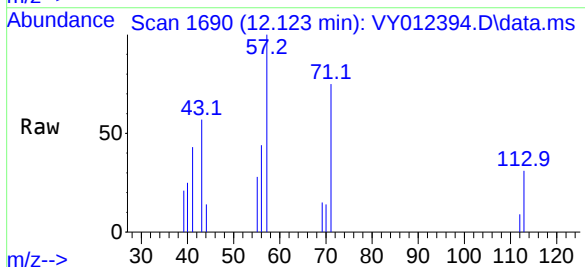
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

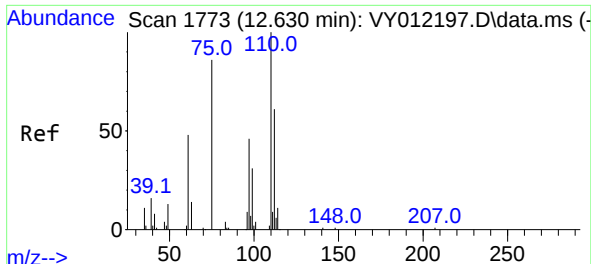
Tgt Ion:152 Resp: 14659
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.3
150 155.8 0.0 342.6



#74
N-ethyl acetate
Concen: 3.011 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

Tgt Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
70 22.9 35.8 53.8#
55 22.6 21.0 31.4
61 0.0 20.0 30.0#

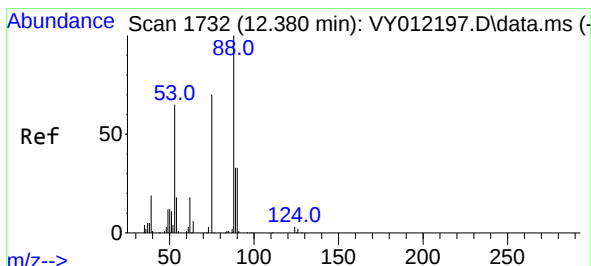
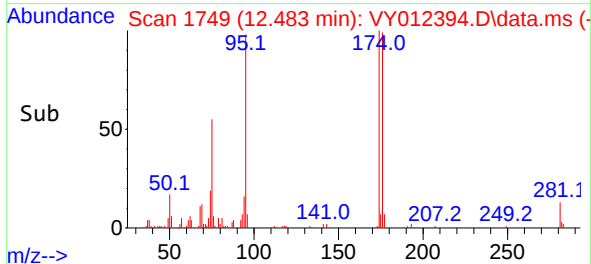
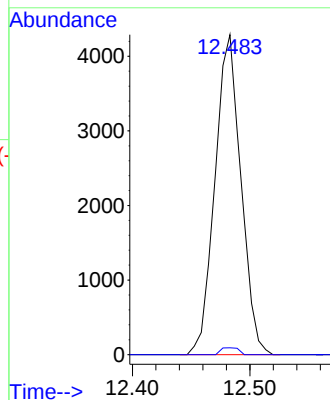
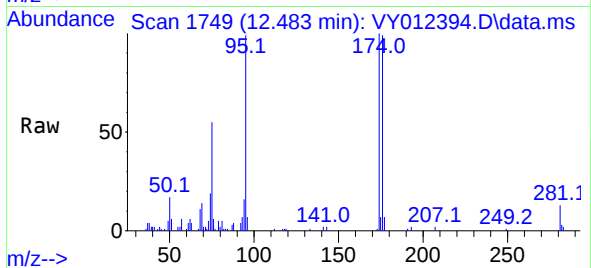




#76
1,2,3-Trichloropropane
Concen: 48.859 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

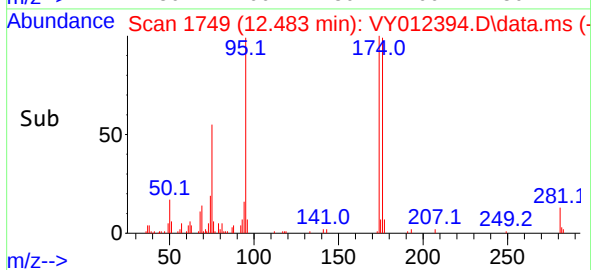
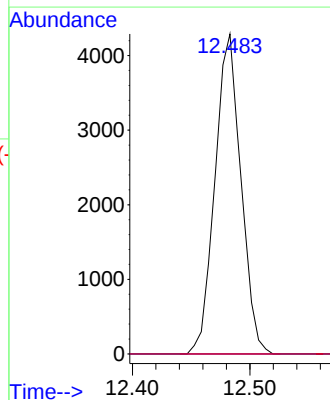
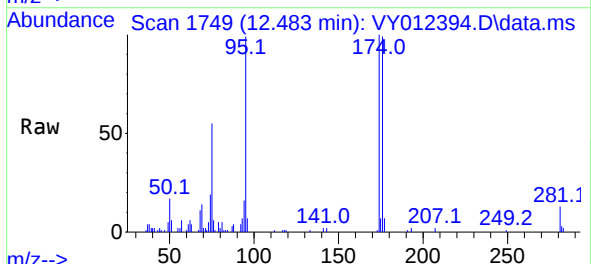
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

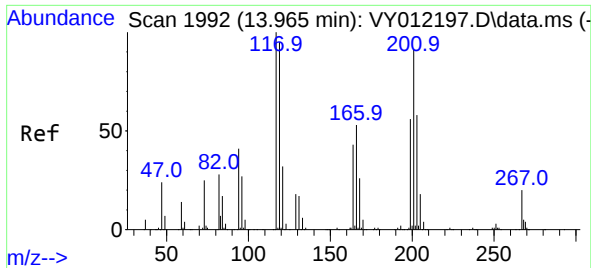
Tgt Ion: 75 Resp: 6586
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.672 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

Tgt Ion: 75 Resp: 6586
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#90
Hexachloroethane
Concen: 1.473 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY012394.D
Acq: 30 Jan 2023 13:51

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

Tgt Ion:117 Resp: 265
Ion Ratio Lower Upper
117 100
201 0.0 40.3 120.8#

