

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080823\
 Data File : VN078797.D
 Acq On : 08 Aug 2023 13:11
 Operator : JC\MD
 Sample : 03908-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ETGI-368

Quant Time: Aug 09 02:48:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 05:03:52 2023
 Response via : Initial Calibration

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

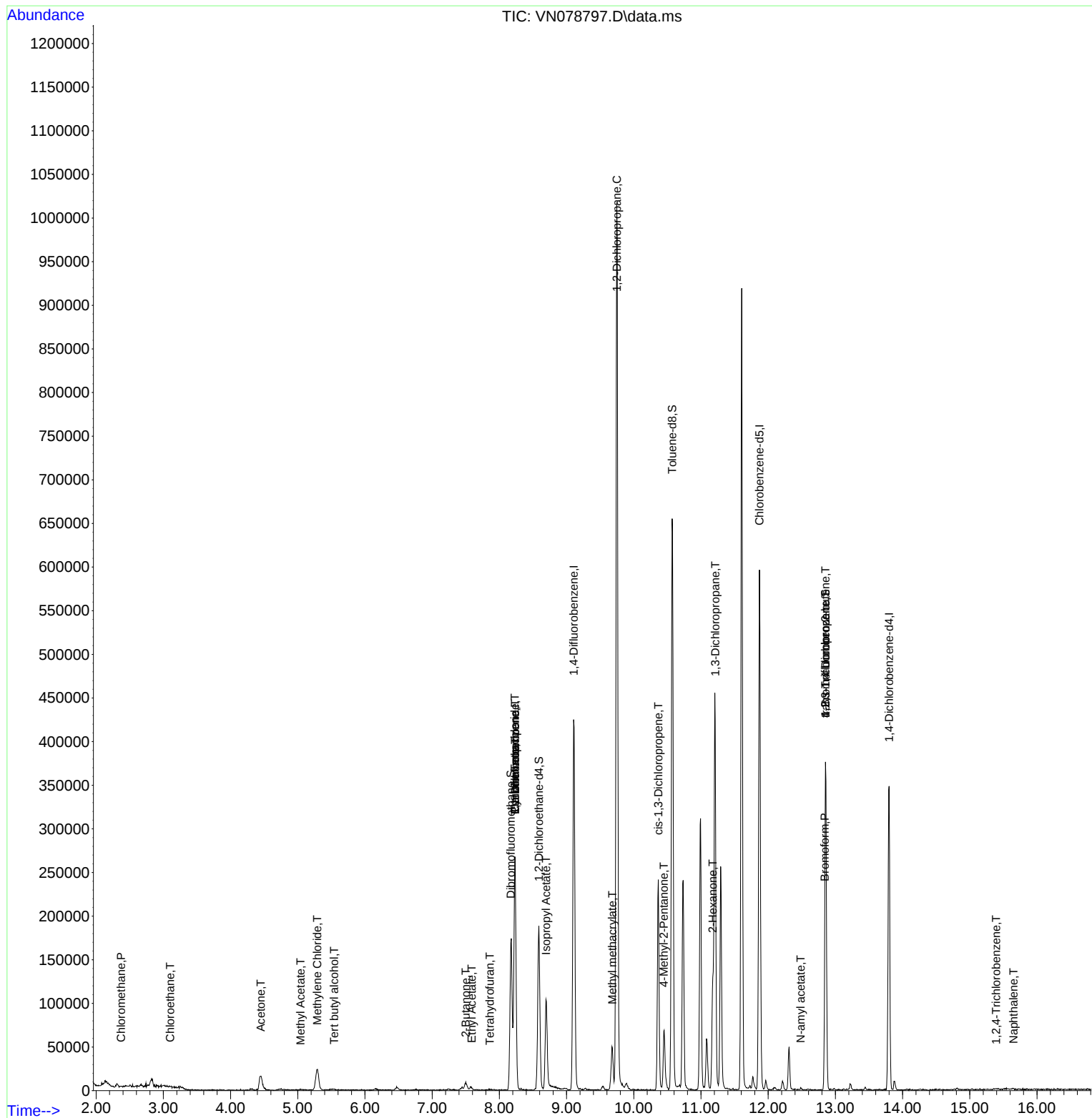
Internal Standards						
1) Pentafluorobenzene	8.236	168	184945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	354428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	328648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	89669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	145481	52.471	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.940%			
35) Dibromofluoromethane	8.171	113	121842	50.906	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.820%			
50) Toluene-d8	10.571	98	442356	50.222	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.440%			
62) 4-Bromofluorobenzene	12.853	95	126031	47.877	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.760%			
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	937	0.294	ug/l	94
6) Chloroethane	3.101	64	1078	0.545	ug/l #	43
11) Tert butyl alcohol	5.542	59	402	0.826	ug/l #	72
16) Acetone	4.447	43	35302	33.092	ug/l #	86
18) Methyl Acetate	5.042	43	2020	0.422	ug/l #	47
20) Methylene Chloride	5.289	84	17952	6.795	ug/l	96
25) 2-Butanone	7.500	43	15135	8.378	ug/l #	82
29) Tetrahydrofuran	7.859	42	381	0.315	ug/l #	34
31) Cyclohexane	8.236	56	5340	1.311	ug/l #	56
36) 1,1-Dichloropropene	8.236	75	16759	4.513	ug/l #	50
37) Ethyl Acetate	7.588	43	5399	1.368	ug/l #	65
38) Carbon Tetrachloride	8.230	117	21345	5.576	ug/l #	16
43) Isopropyl Acetate	8.694	43	119543	17.959	ug/l #	79
45) 1,2-Dichloropropane	9.747	63	1186	0.394	ug/l #	45
48) Methyl methacrylate	9.682	41	3499	1.138	ug/l #	29
51) 4-Methyl-2-Pentanone	10.447	43	52682	12.921	ug/l #	81
54) cis-1,3-Dichloropropene	10.365	75	39947	9.022	ug/l #	70
57) 1,3-Dichloropropane	11.212	76	3921	0.827	ug/l #	42
59) 2-Hexanone	11.176	43	108355	37.532	ug/l #	19
71) Bromoform	12.841	173	426	0.211	ug/l #	28
74) N-amyl acetate	12.482	43	1294	0.323	ug/l #	49
76) 1,2,3-Trichloropropane	12.853	75	71825	29.626	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	71825	79.498	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	193	0.216	ug/l #	67
94) Hexachlorobutadiene	15.506	225	213	Below Cal	#	19
95) Naphthalene	15.653	128	706	0.236	ug/l #	70

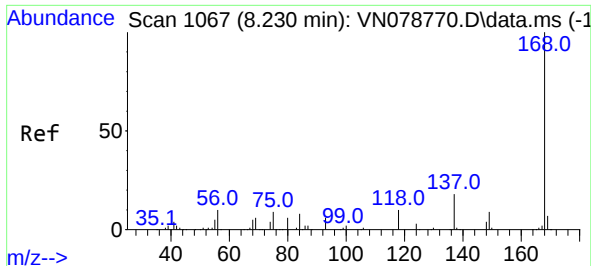
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 08 05:03:52 2023
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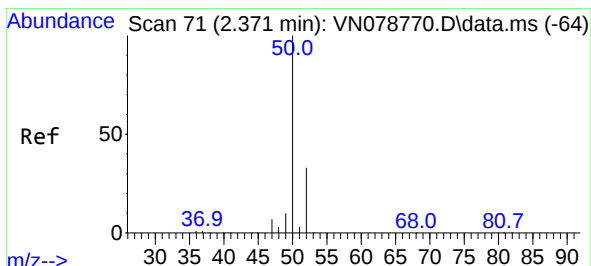
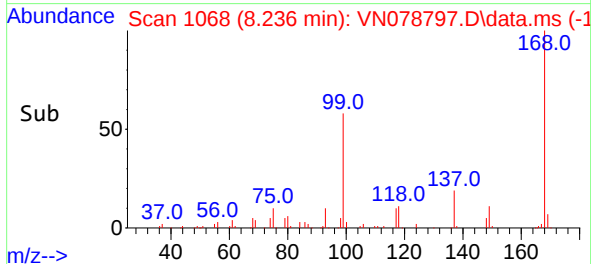
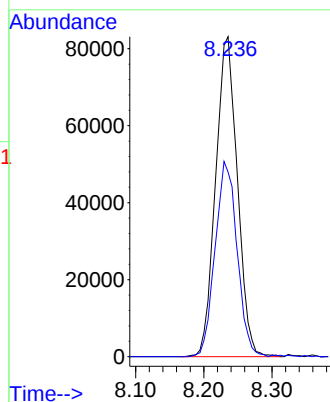
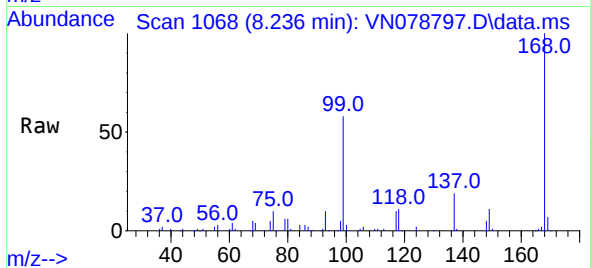




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

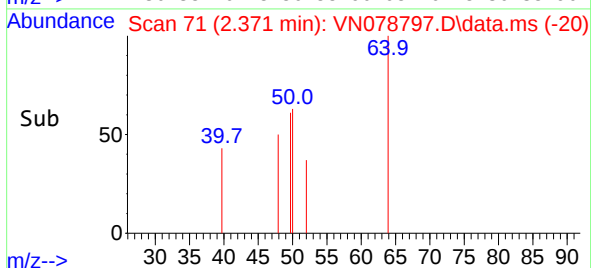
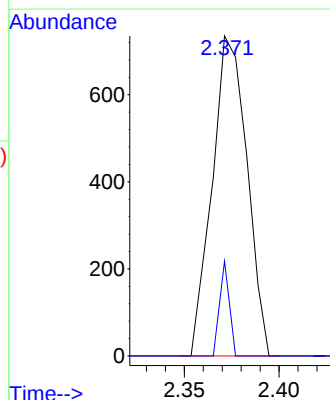
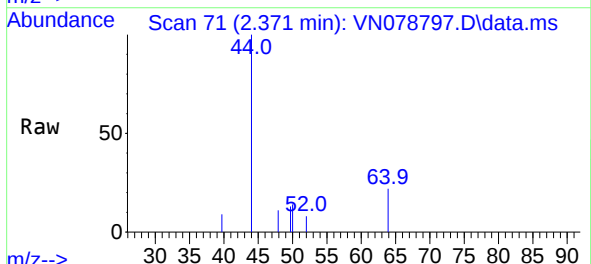
Instrument :
MSVOA_N
ClientSampleId :
ETGI-368

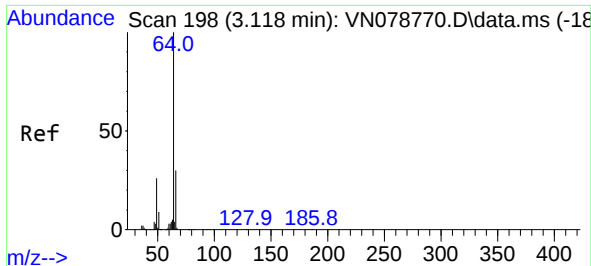
Tgt Ion:168 Resp: 184945
Ion Ratio Lower Upper
168 100
99 57.7 53.0 79.6



#3
Chloromethane
Concen: 0.294 ug/l
RT: 2.371 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

Tgt Ion: 50 Resp: 937
Ion Ratio Lower Upper
50 100
52 29.7 26.5 39.7

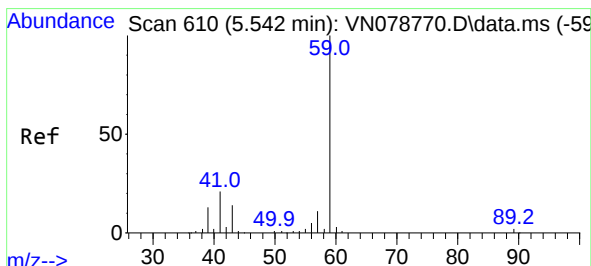
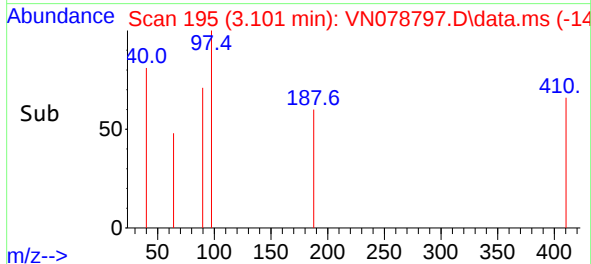
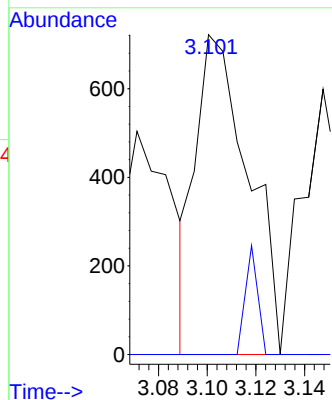
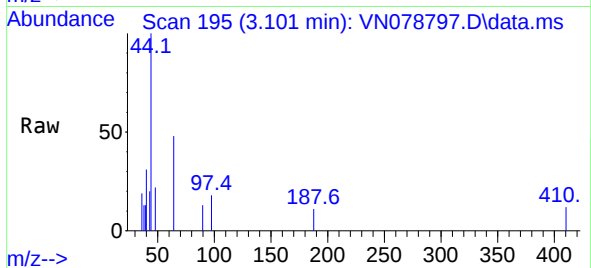




#6
Chloroethane
Concen: 0.545 ug/l
RT: 3.101 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

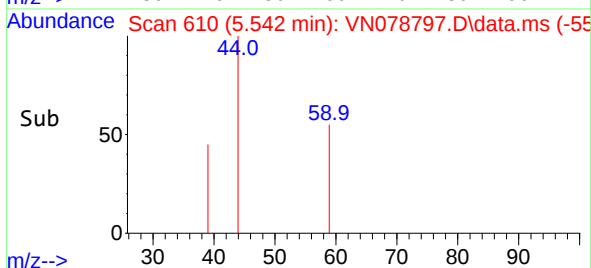
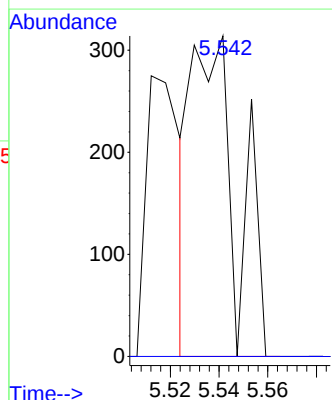
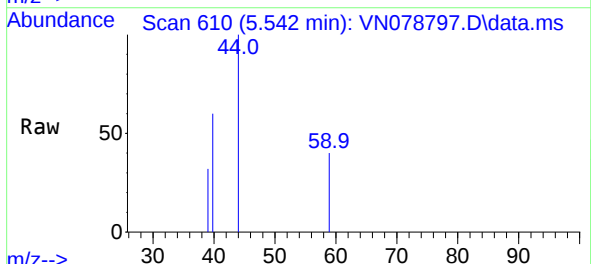
Instrument :
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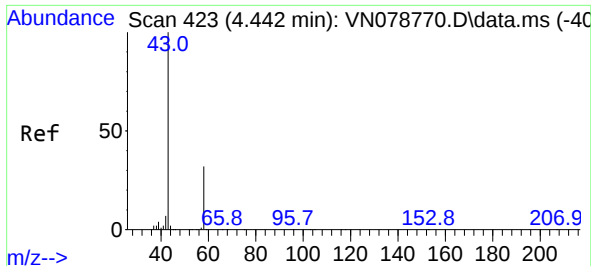
Tgt Ion: 64 Resp: 1078
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.826 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

Tgt Ion: 59 Resp: 402
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

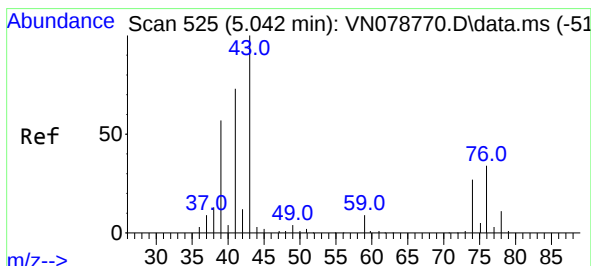
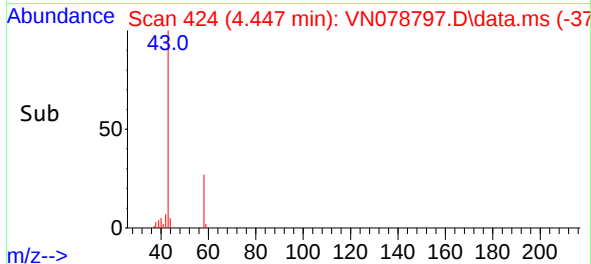
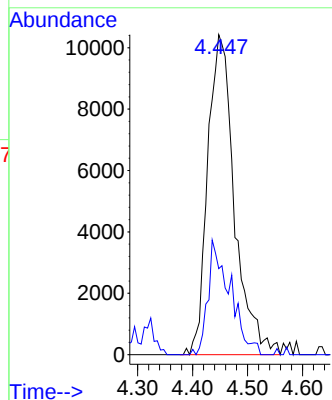
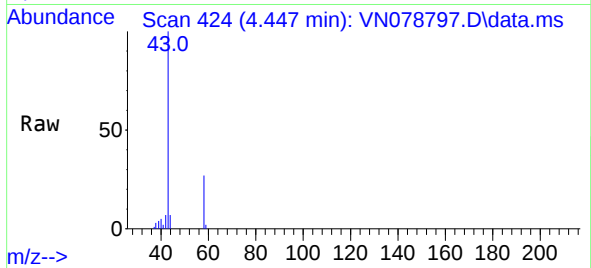




#16
Acetone
Concen: 33.092 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.005 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

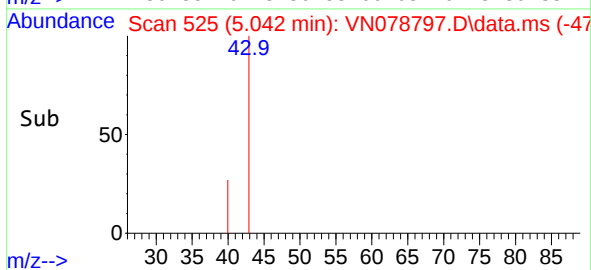
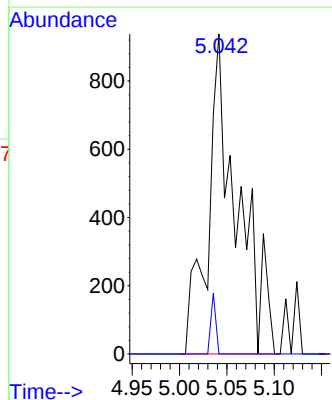
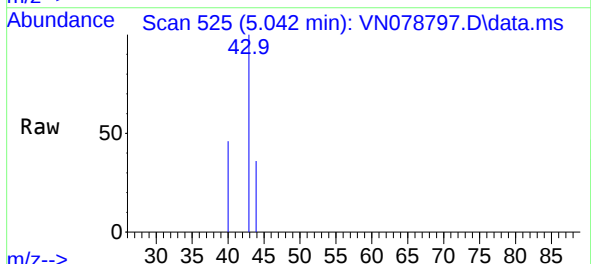
Instrument :
MSVOA_N
ClientSampleId :
ETGI-368

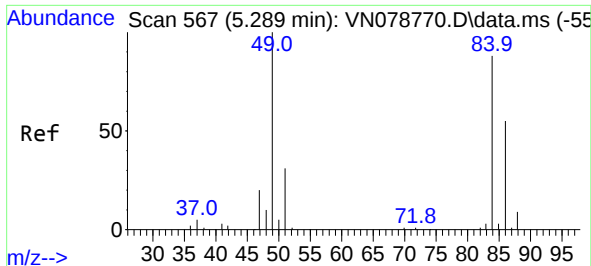
Tgt Ion: 43 Resp: 35302
Ion Ratio Lower Upper
43 100
58 26.9 28.0 42.0#



#18
Methyl Acetate
Concen: 0.422 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

Tgt Ion: 43 Resp: 2020
Ion Ratio Lower Upper
43 100
74 3.1 26.2 39.4#



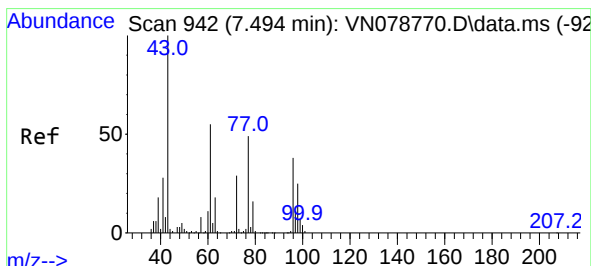
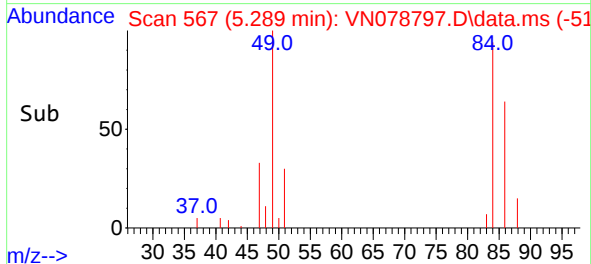
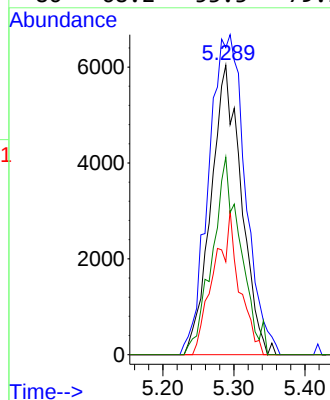
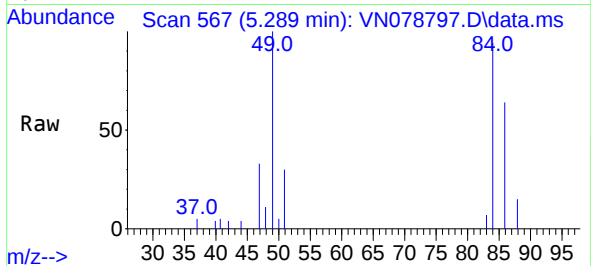


#20
Methylene Chloride
Concen: 6.795 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

Instrument :
MSVOA_N
ClientSampleId :
ETGI-368

Tgt Ion: 84 Resp: 17952

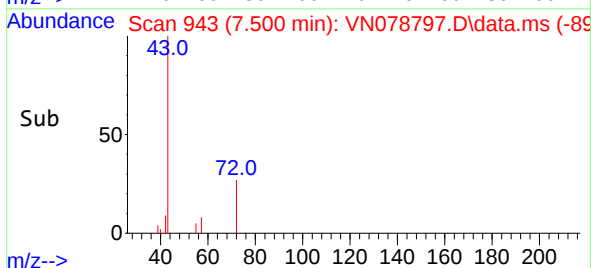
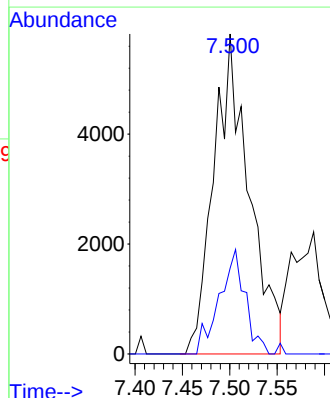
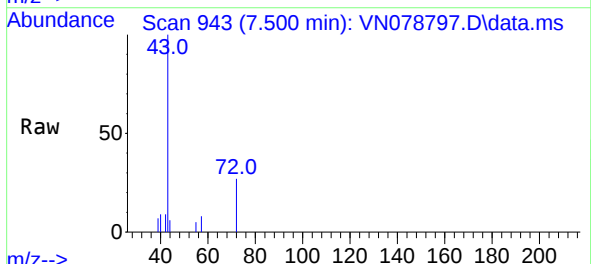
Ion	Ratio	Lower	Upper
84	100		
49	106.1	79.7	119.5
51	32.1	25.2	37.8
86	68.2	53.3	79.9

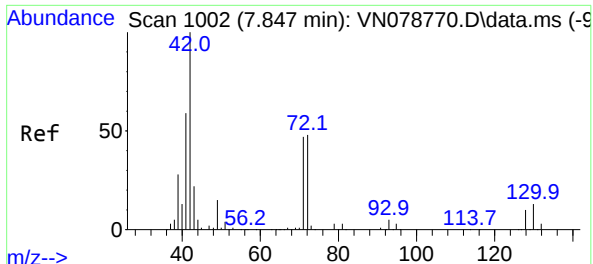


#25
2-Butanone
Concen: 8.378 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

Tgt Ion: 43 Resp: 15135

Ion	Ratio	Lower	Upper
43	100		
72	26.8	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.315 ug/l

RT: 7.859 min Scan# 1068

Delta R.T. 0.012 min

Lab File: VN078797.D

Acq: 08 Aug 2023 13:11

Instrument :

MSVOA_N

ClientSampleId :

ETGI-368

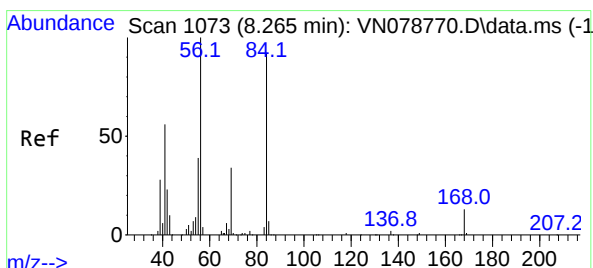
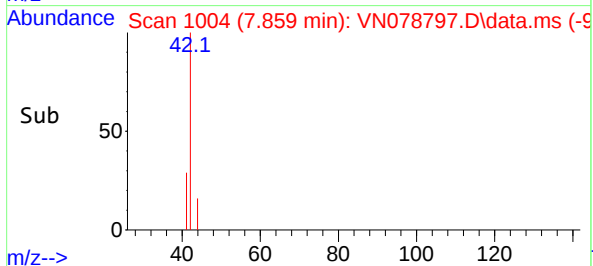
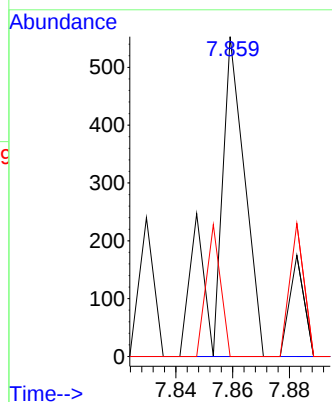
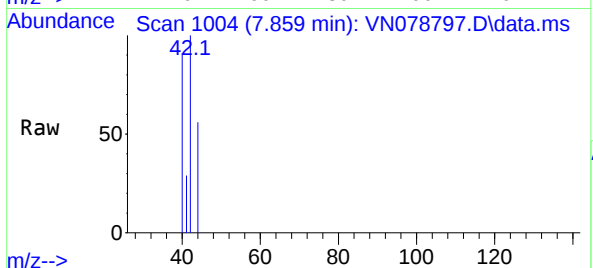
Tgt Ion: 42 Resp: 381

Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 21.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.311 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.030 min

Lab File: VN078797.D

Acq: 08 Aug 2023 13:11

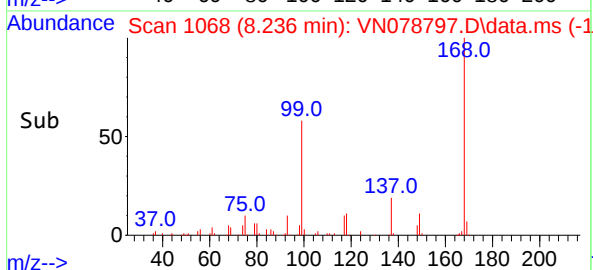
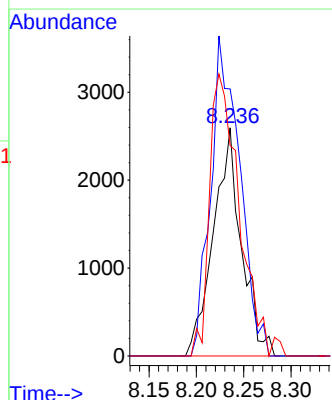
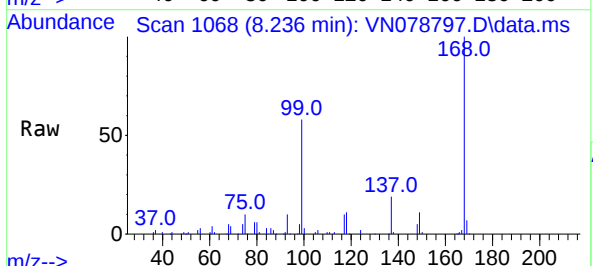
Tgt Ion: 56 Resp: 5340

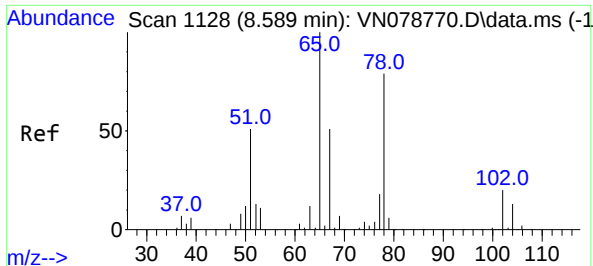
Ion Ratio Lower Upper

56 100

69 117.1 26.8 40.2#

84 92.2 81.8 122.6

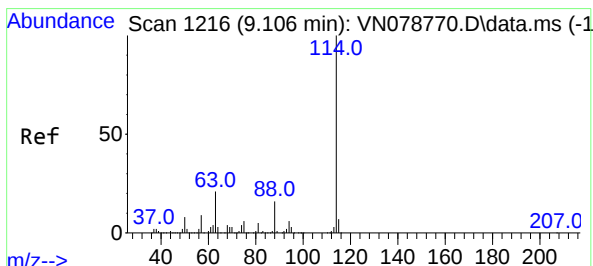
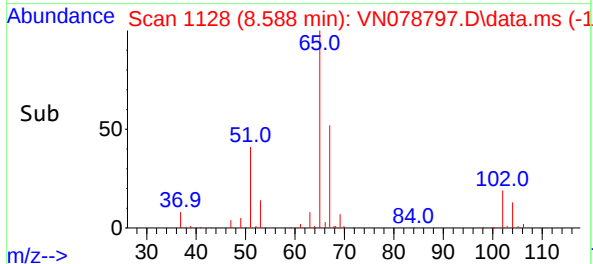
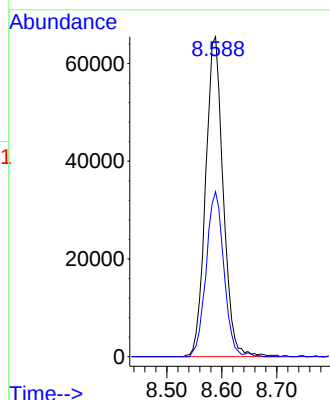
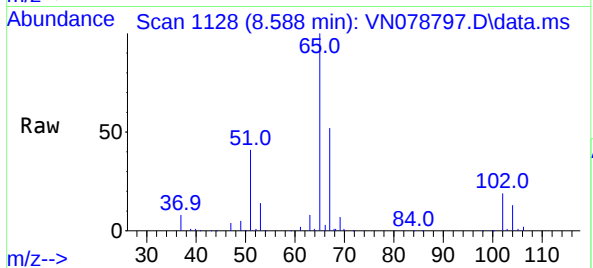




#33
1,2-Dichloroethane-d4
Concen: 52.471 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

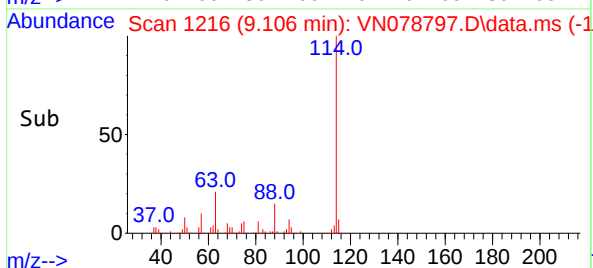
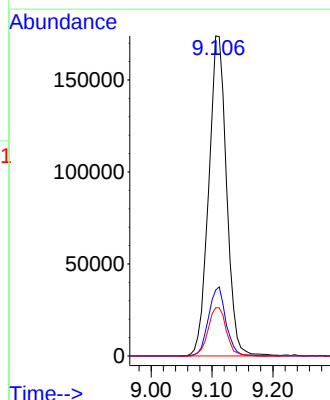
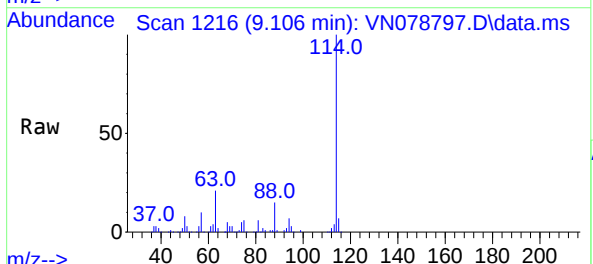
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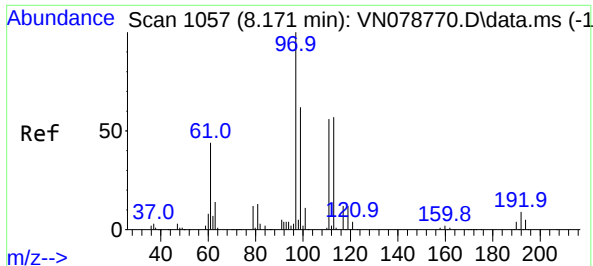
Tgt Ion: 65 Resp: 145481
Ion Ratio Lower Upper
65 100
67 51.7 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

Tgt Ion: 114 Resp: 354428
Ion Ratio Lower Upper
114 100
63 20.6 0.0 36.4
88 15.1 0.0 30.6

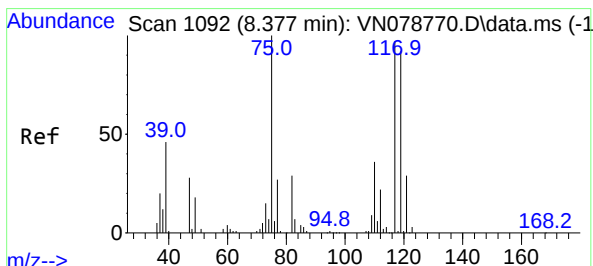
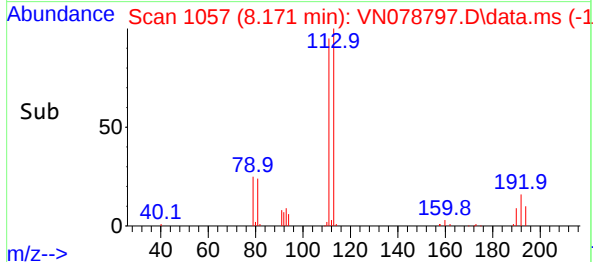
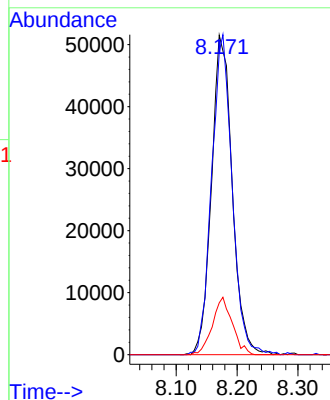
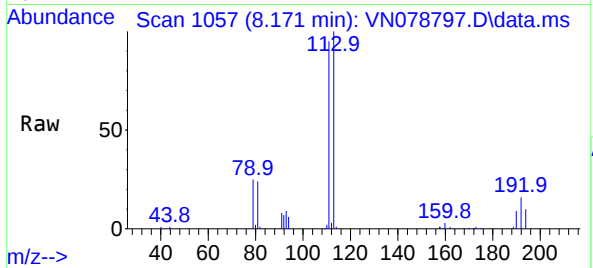




#35
Dibromofluoromethane
Concen: 50.906 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

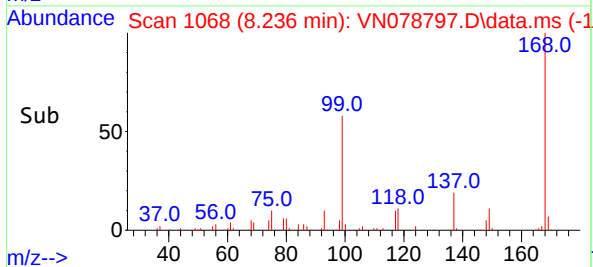
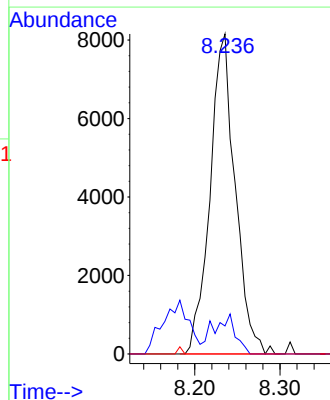
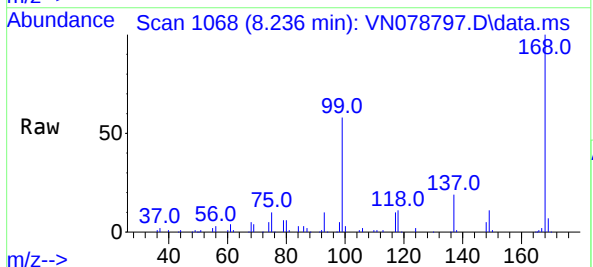
Instrument :
MSVOA_N
ClientSampleId :
ETGI-368

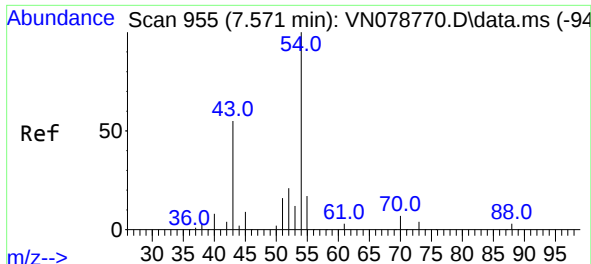
Tgt Ion:113 Resp: 121842
Ion Ratio Lower Upper
113 100
111 98.8 82.6 123.8
192 17.3 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.513 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

Tgt Ion: 75 Resp: 16759
Ion Ratio Lower Upper
75 100
110 10.9 19.1 57.3#
77 0.0 25.0 37.4#

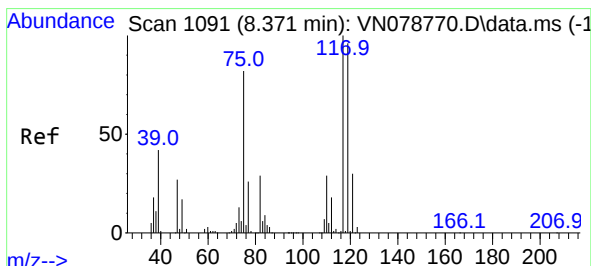
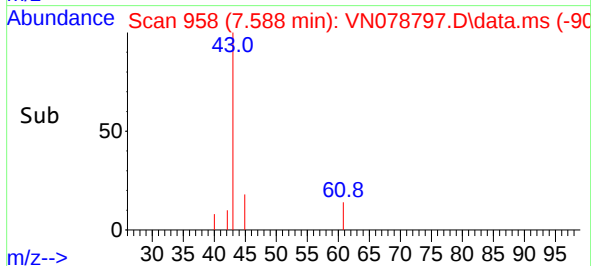
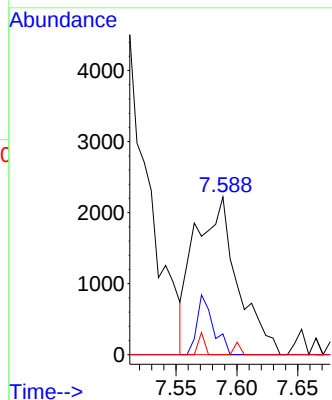
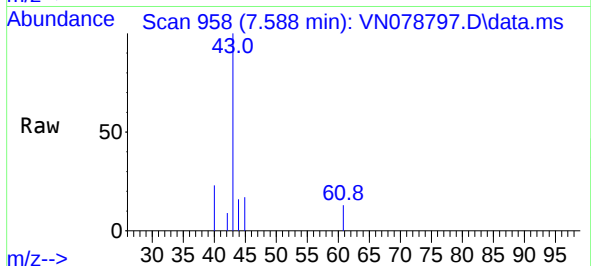




#37
Ethyl Acetate
Concen: 1.368 ug/l
RT: 7.588 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

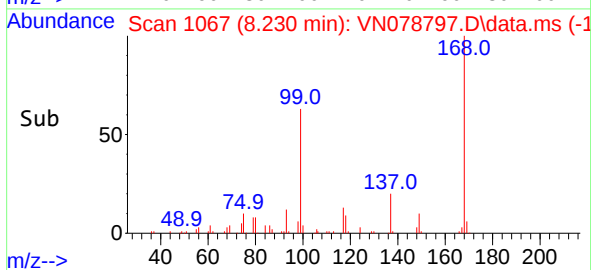
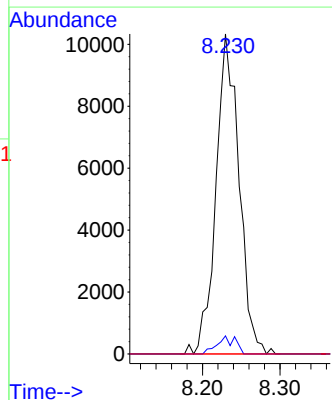
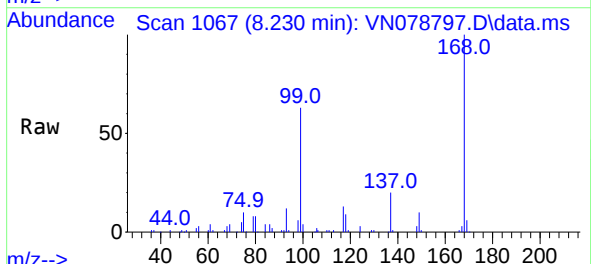
Instrument :
MSVOA_N
ClientSampleId :
ETGI-368

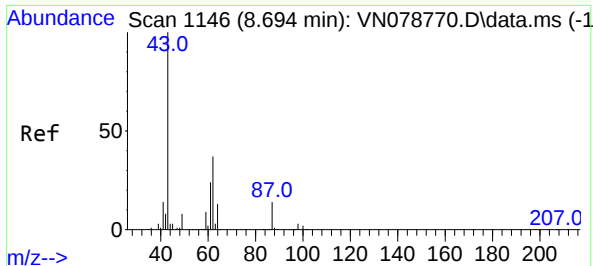
Tgt Ion: 43 Resp: 5399
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 1.1 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.576 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

Tgt Ion: 117 Resp: 21345
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 23.3 34.9#

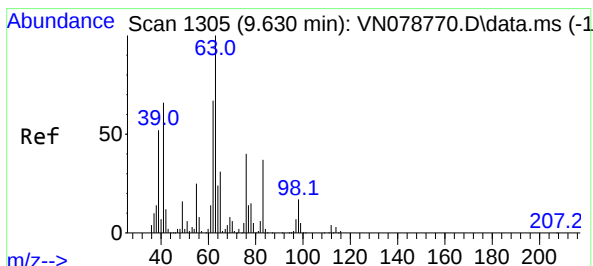
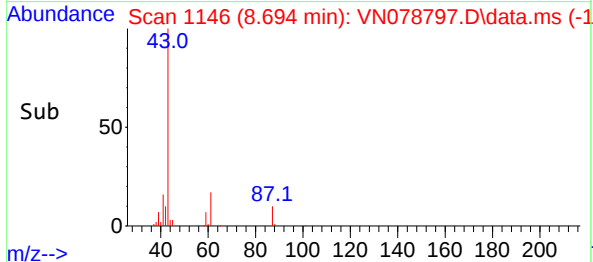
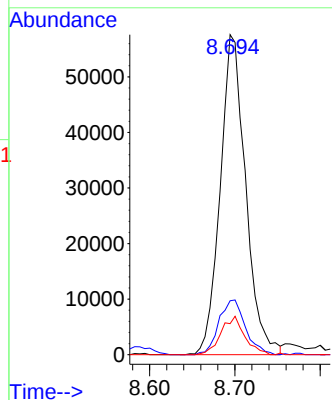
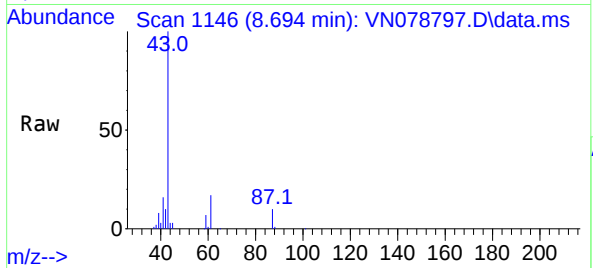




#43
Isopropyl Acetate
Concen: 17.959 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

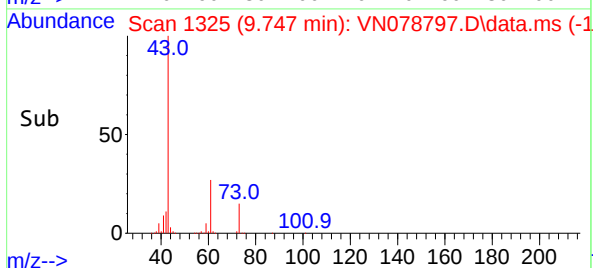
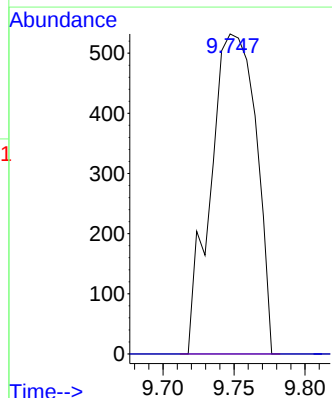
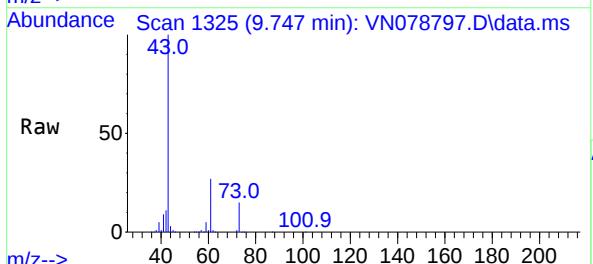
Instrument :
MSVOA_N
ClientSampleId :
ETGI-368

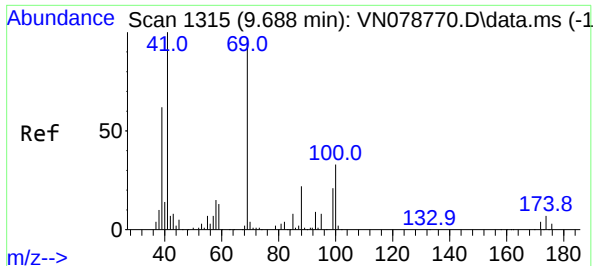
Tgt Ion: 43 Resp: 119543
Ion Ratio Lower Upper
43 100
61 17.8 24.7 37.1#
87 11.2 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.394 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.118 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

Tgt Ion: 63 Resp: 1186
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

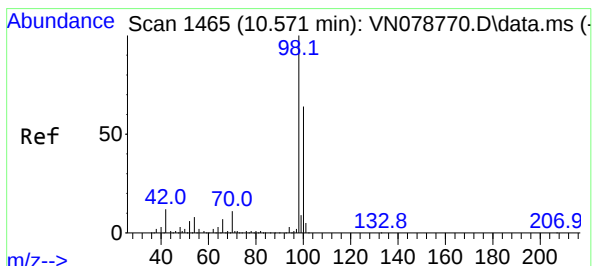
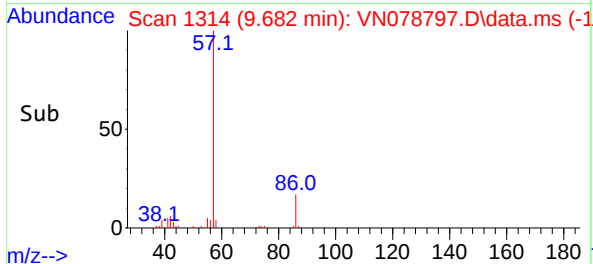
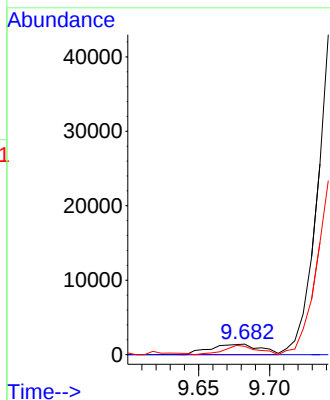
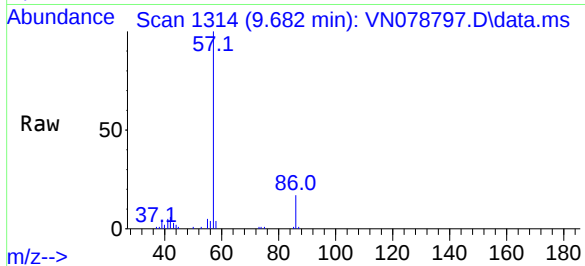




#48
Methyl methacrylate
Concen: 1.138 ug/l
RT: 9.682 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

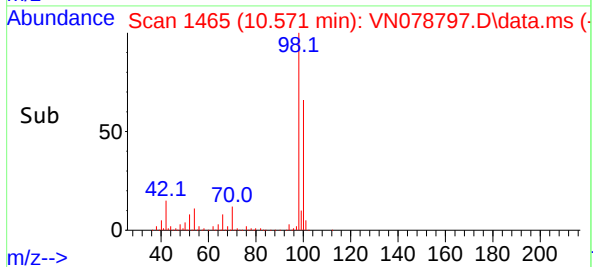
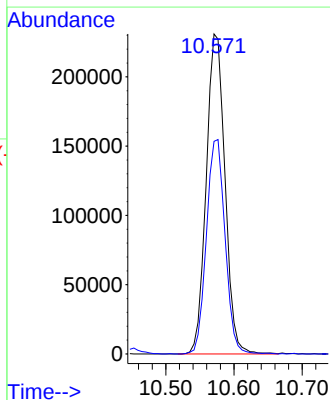
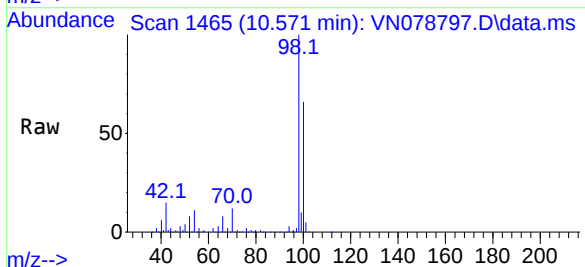
Instrument :
MSVOA_N
ClientSampleId :
ETGI-368

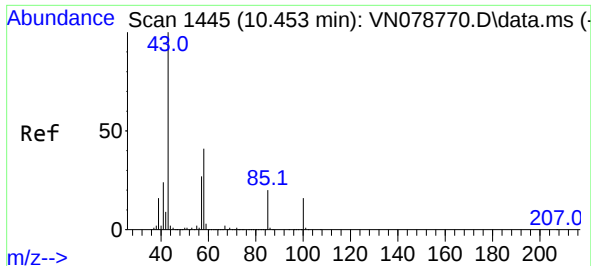
Tgt Ion: 41 Resp: 3499
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 57.4 54.6 81.8



#50
Toluene-d8
Concen: 50.222 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

Tgt Ion: 98 Resp: 442356
Ion Ratio Lower Upper
98 100
100 66.7 52.0 78.0

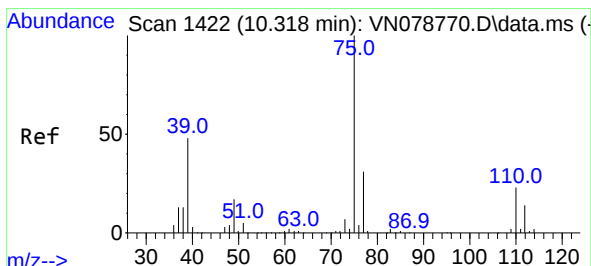
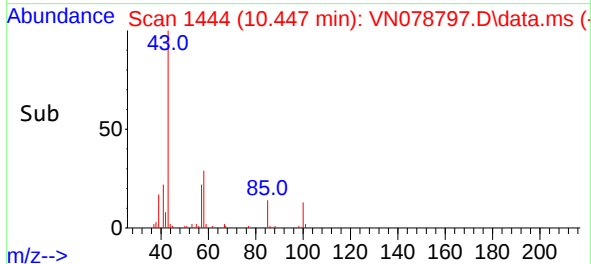
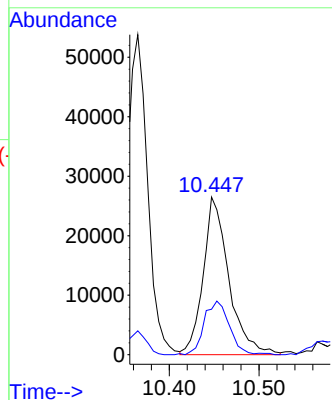
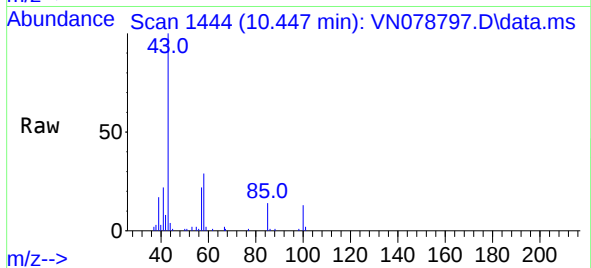




#51
4-Methyl-2-Pentanone
Concen: 12.921 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

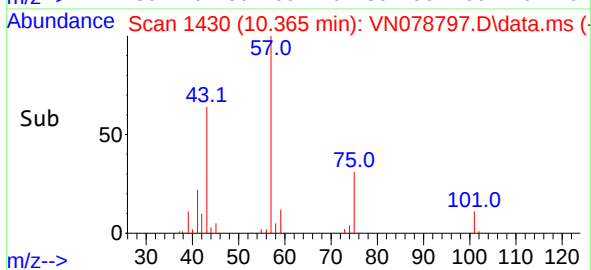
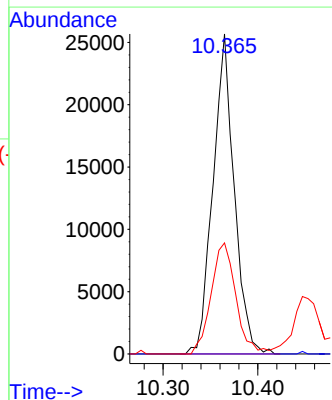
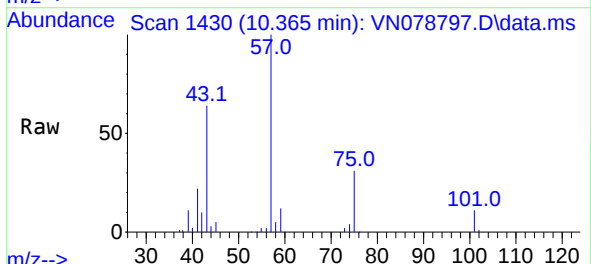
Instrument :
MSVOA_N
ClientSampleId :
ETGI-368

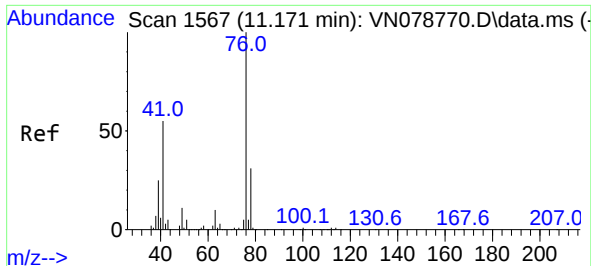
Tgt Ion: 43 Resp: 52682
Ion Ratio Lower Upper
43 100
58 33.5 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 9.022 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

Tgt Ion: 75 Resp: 39947
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 34.7 31.6 47.4





#57

1,3-Dichloropropane

Concen: 0.827 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.041 min

Lab File: VN078797.D

Acq: 08 Aug 2023 13:11

Instrument :

MSVOA_N

ClientSampleId :

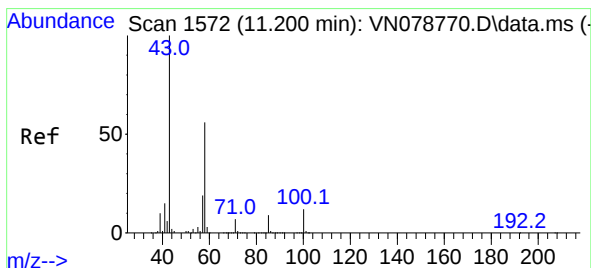
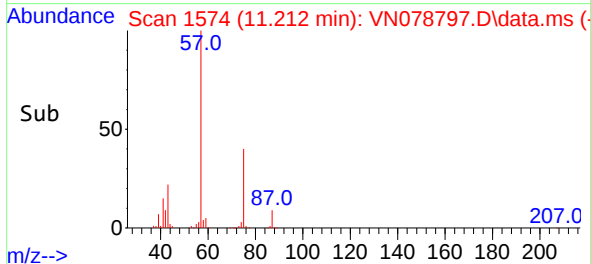
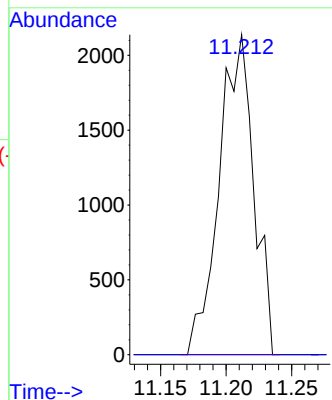
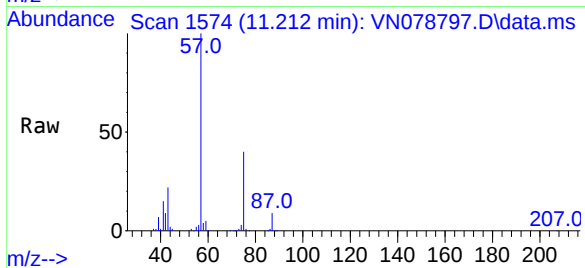
ETGI-368

Tgt Ion: 76 Resp: 3921

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 37.532 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN078797.D

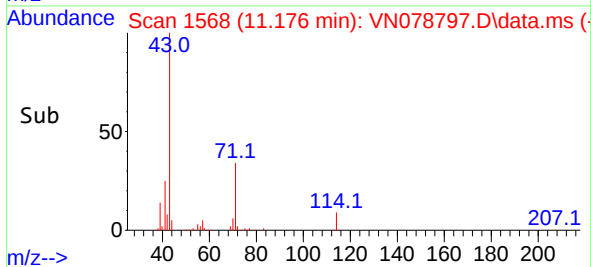
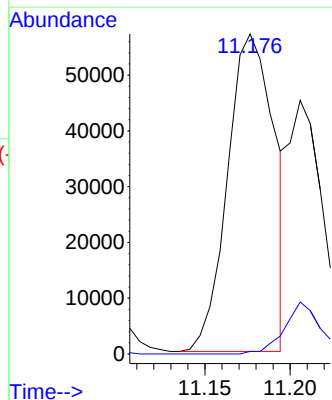
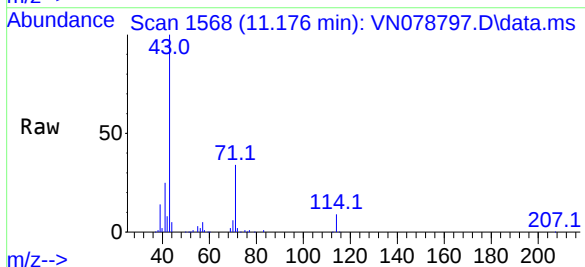
Acq: 08 Aug 2023 13:11

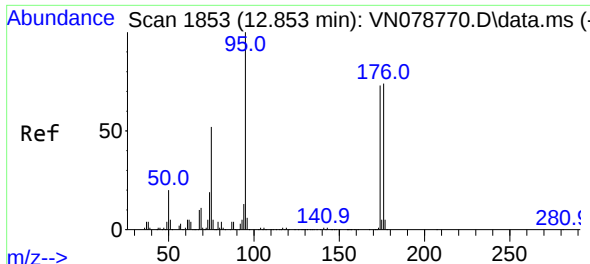
Tgt Ion: 43 Resp: 108355

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

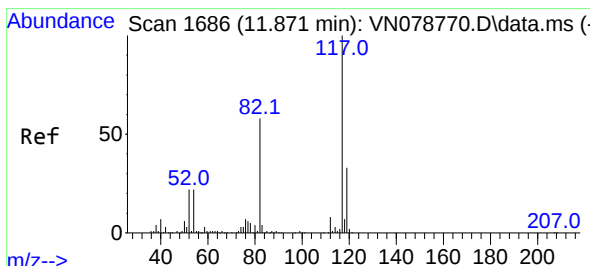
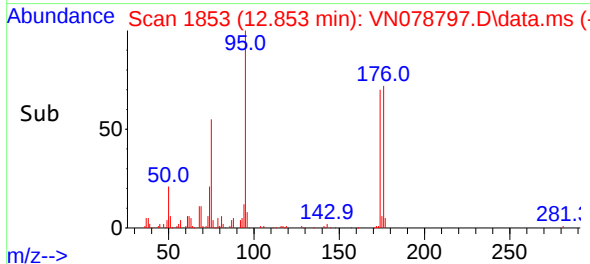
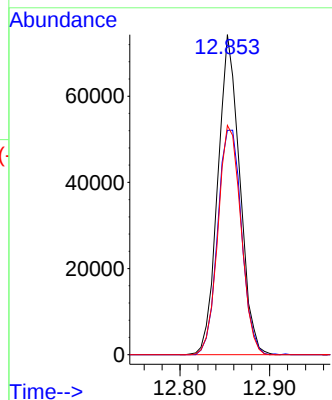
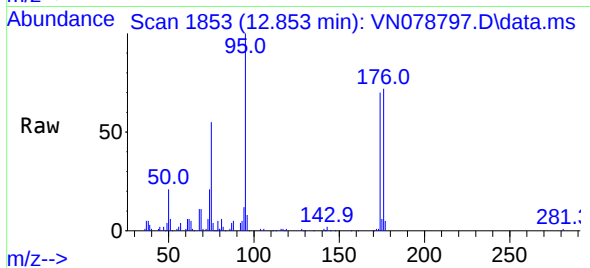




#62
4-Bromofluorobenzene
Concen: 47.877 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

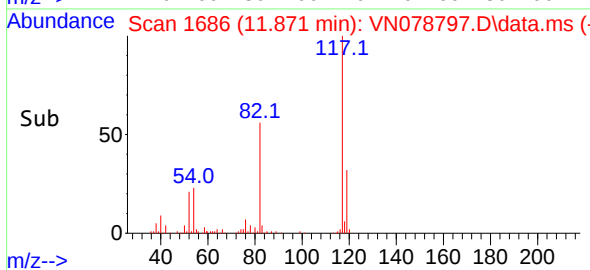
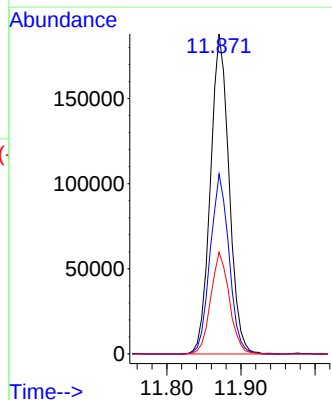
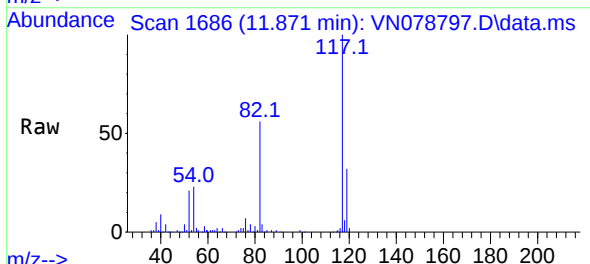
Instrument :
MSVOA_N
ClientSampleId :
ETGI-368

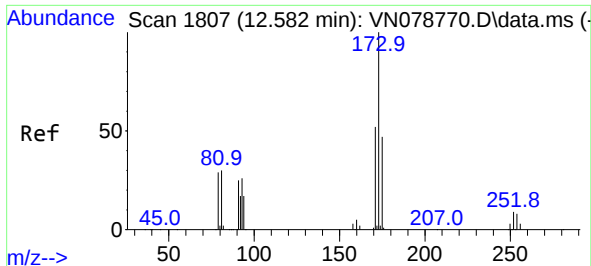
Tgt Ion: 95 Resp: 126031
Ion Ratio Lower Upper
95 100
174 76.6 0.0 143.8
176 74.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

Tgt Ion: 117 Resp: 328648
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 31.8 25.6 38.4

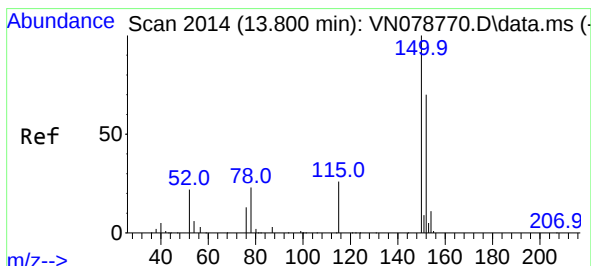
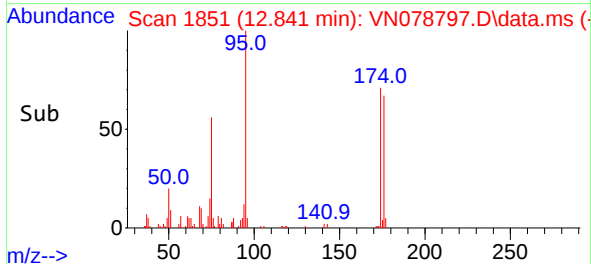
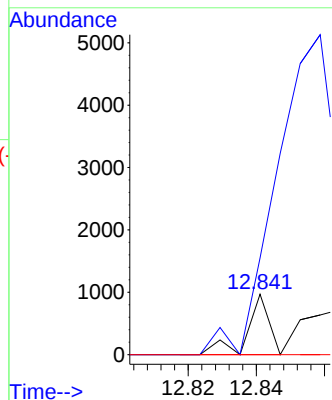
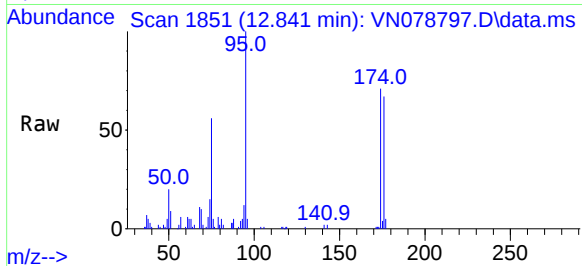




#71
Bromoform
Concen: 0.211 ug/l
RT: 12.841 min Scan# 1807
Delta R.T. 0.259 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

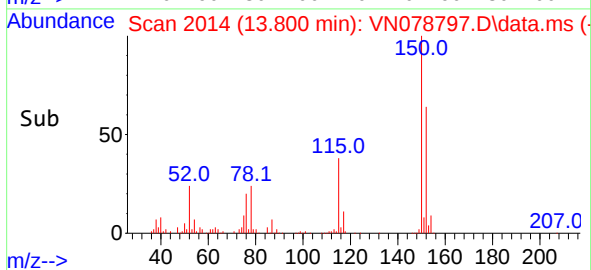
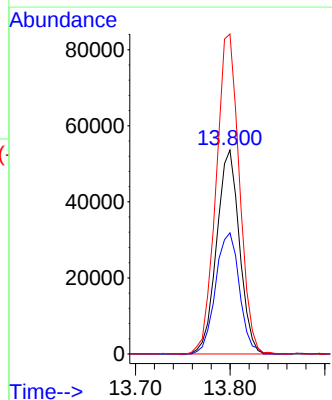
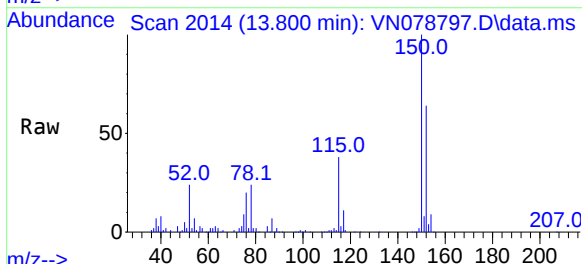
Instrument :
MSVOA_N
ClientSampleId :
ETGI-368

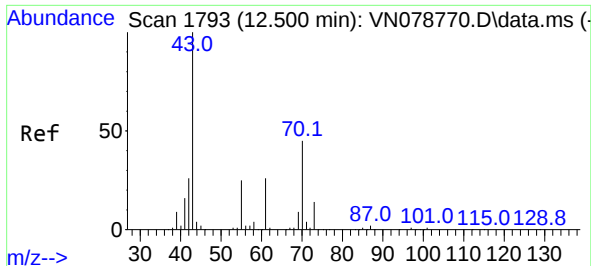
Tgt Ion:173 Resp: 426
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

Tgt Ion:152 Resp: 89669
Ion Ratio Lower Upper
152 100
115 62.3 32.3 96.8
150 160.1 0.0 355.8

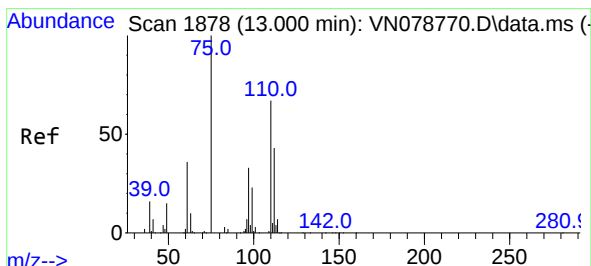
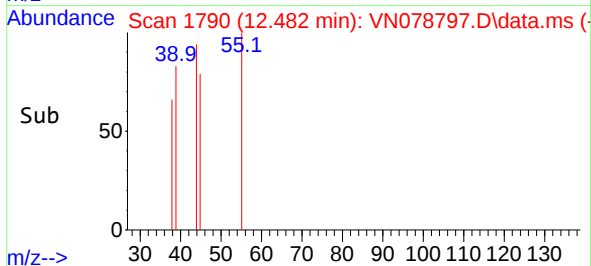
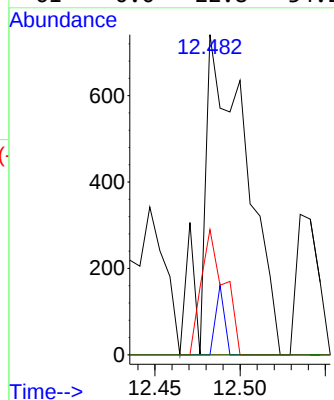
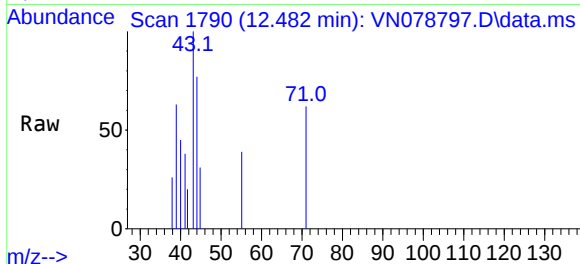




#74
N-amy1 acetate
Concen: 0.323 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

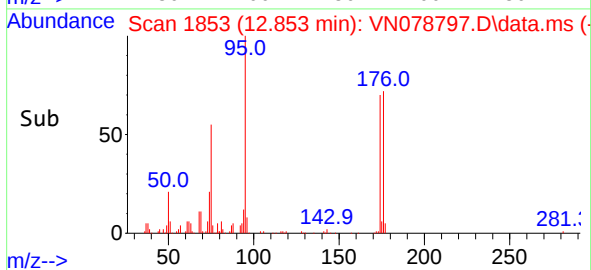
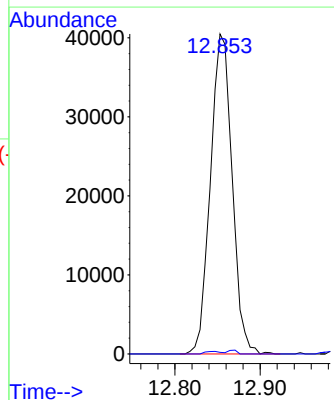
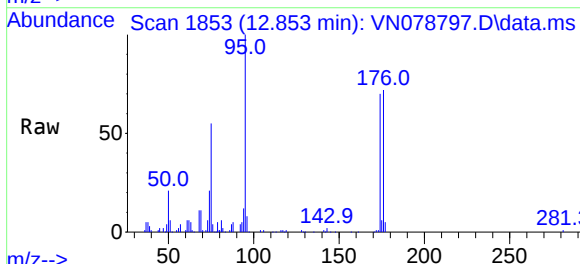
Instrument :
MSVOA_N
ClientSampleId :
ETGI-368

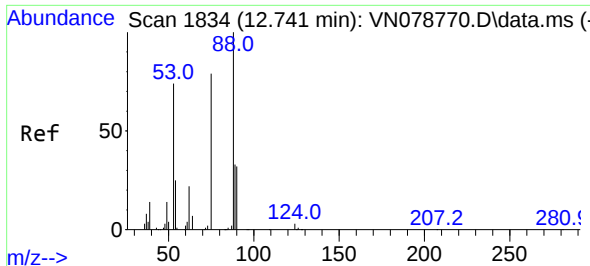
Tgt Ion: 43	Resp:	1294	
Ion	Ratio	Lower	Upper
43	100		
70	4.4	43.4	65.2#
55	21.2	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 29.626 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

Tgt Ion: 75	Resp:	71825	
Ion Ratio	Lower	Upper	
75 100			
77 0.6	84.5	253.5#	

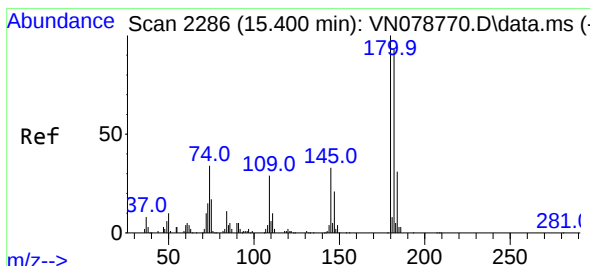
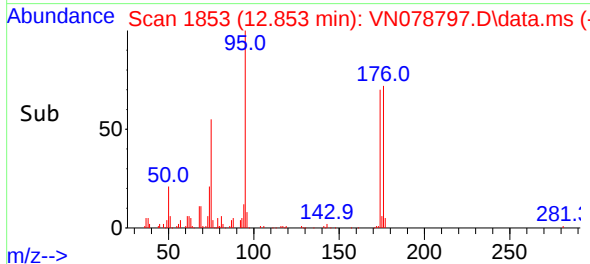
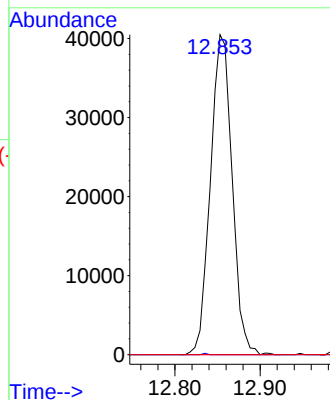
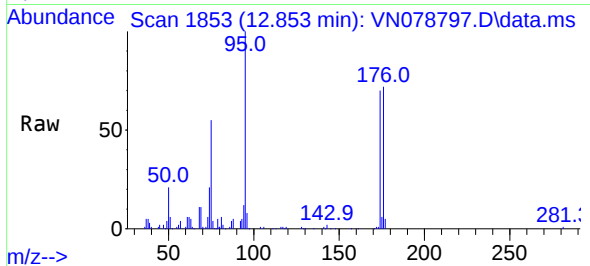




#81
trans-1,4-Dichloro-2-butene
Concen: 79.498 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

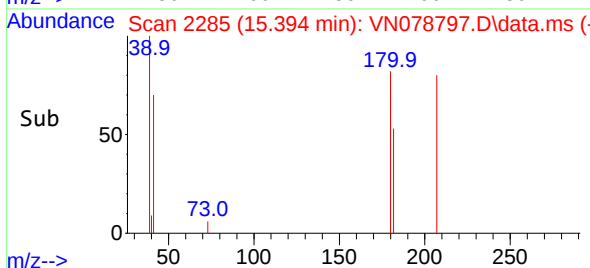
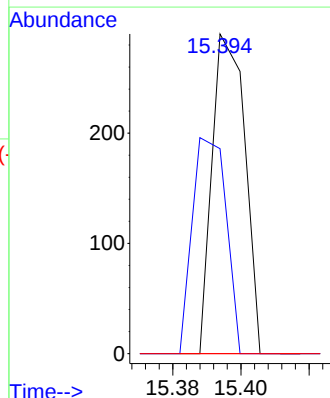
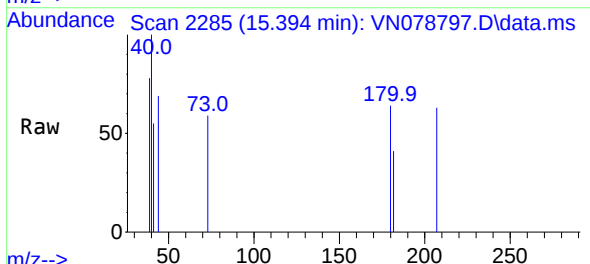
Instrument :
MSVOA_N
ClientSampleId :
ETGI-368

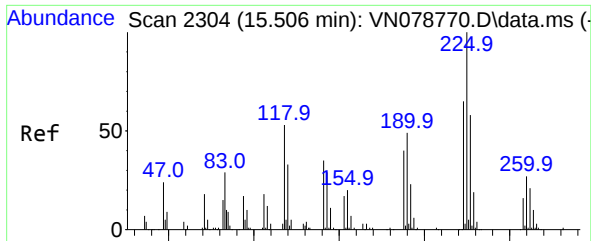
Tgt Ion: 75 Resp: 71825
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.216 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.006 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

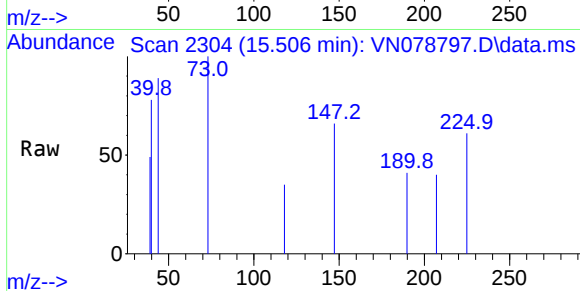
Tgt Ion:180 Resp: 193
Ion Ratio Lower Upper
180 100
182 69.9 46.1 138.2
145 0.0 16.6 49.8#



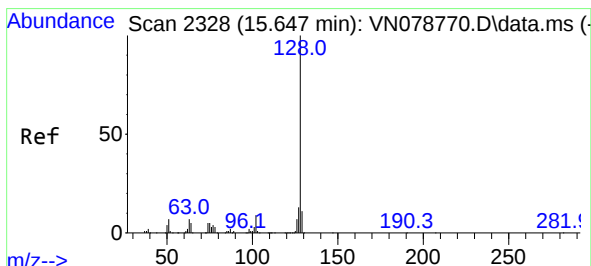
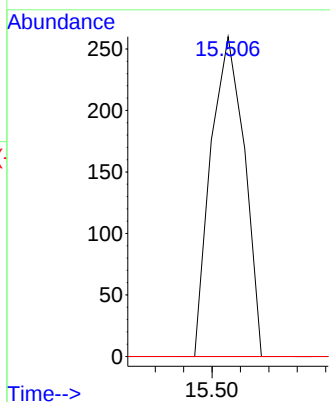
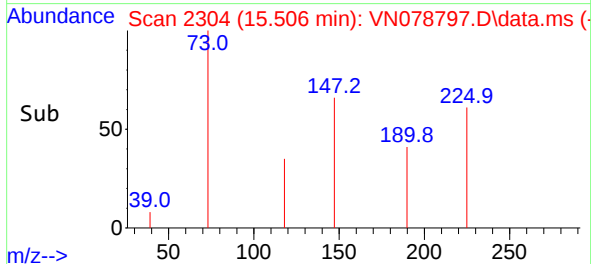


#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.506 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11

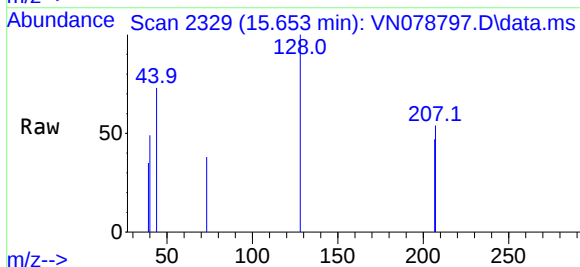
Instrument :
MSVOA_N
ClientSampleId :
ETGI-368



Tgt Ion:225 Resp: 213
Ion Ratio Lower Upper
225 100
223 0.0 31.3 93.8#
227 0.0 31.9 95.9#



#95
Naphthalene
Concen: 0.236 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN078797.D
Acq: 08 Aug 2023 13:11



Tgt Ion:128 Resp: 706
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

