

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021924\
 Data File : VN081082.D
 Acq On : 19 Feb 2024 17:41
 Operator : JC\MD
 Sample : P1514-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ETGI-343

Quant Time: Feb 20 00:25:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

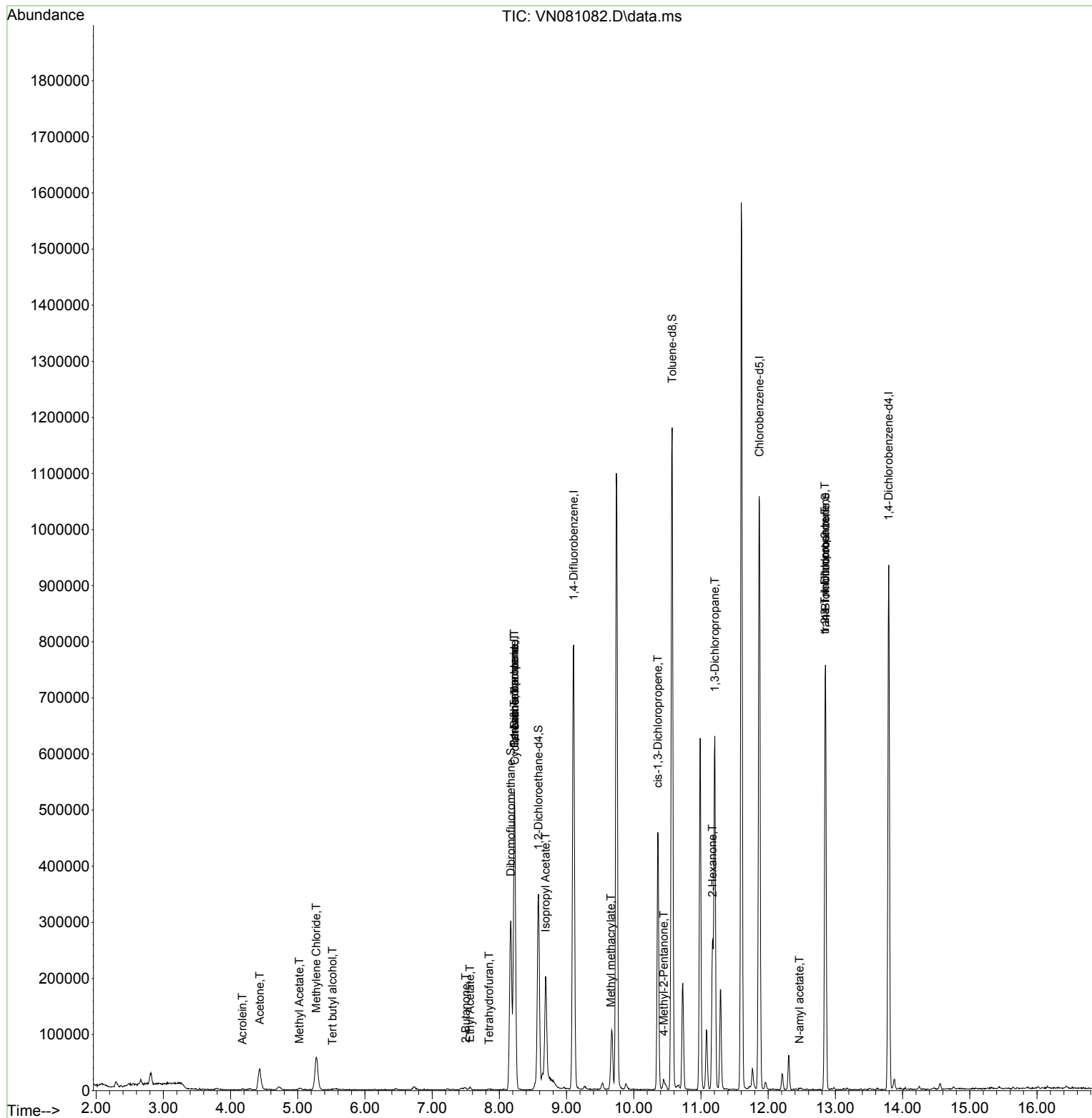
Internal Standards						
1) Pentafluorobenzene	8.224	168	368207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	707208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	624435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	241481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	275695	61.087	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.180%			
35) Dibromofluoromethane	8.171	113	217742	54.448	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.900%			
50) Toluene-d8	10.571	98	816585	57.492	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 114.980%#			
62) 4-Bromofluorobenzene	12.853	95	271779	50.923	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.840%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1087	Below Cal	#	43
6) Chloroethane	3.124	64	285	Below Cal	#	42
11) Tert butyl alcohol	5.518	59	466	0.561	ug/l #	72
13) Acrolein	4.177	56	1046	2.351	ug/l #	70
16) Acetone	4.436	43	71758	40.408	ug/l	99
18) Methyl Acetate	5.024	43	2652	0.612	ug/l	95
20) Methylene Chloride	5.277	84	45426	9.128	ug/l	91
25) 2-Butanone	7.500	43	7342	2.559	ug/l	92
29) Tetrahydrofuran	7.847	42	1173	0.612	ug/l #	47
31) Cyclohexane	8.230	56	9274	1.190	ug/l #	11
36) 1,1-Dichloropropene	8.224	75	33634	4.909	ug/l #	50
37) Ethyl Acetate	7.565	43	7124	1.152	ug/l #	88
38) Carbon Tetrachloride	8.224	117	40473	5.839	ug/l #	20
43) Isopropyl Acetate	8.688	43	264808	24.487	ug/l #	88
48) Methyl methacrylate	9.659	41	6907	1.373	ug/l #	45
49) 1,4-Dioxane	9.712	88	58	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.447	43	17847	2.869	ug/l #	86
54) cis-1,3-Dichloropropene	10.359	75	85576	10.412	ug/l #	61
57) 1,3-Dichloropropane	11.206	76	6530	0.782	ug/l #	43
59) 2-Hexanone	11.171	43	290703	58.943	ug/l #	26
74) N-amyl acetate	12.465	43	1929	0.216	ug/l #	54
76) 1,2,3-Trichloropropane	12.847	75	142488	25.970	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	142488	66.845	ug/l #	14

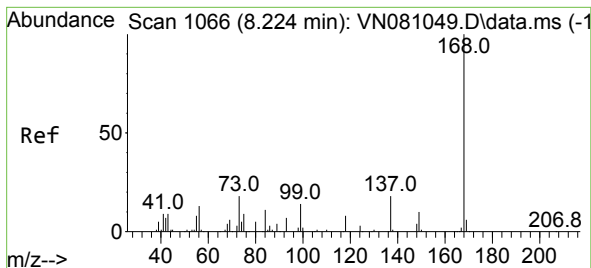
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081082.D

Acq: 19 Feb 2024 17:41

Instrument :

MSVOA_N

ClientSampleId :

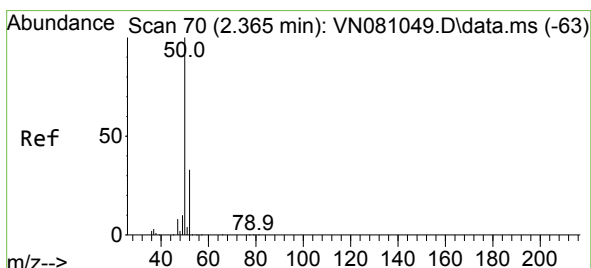
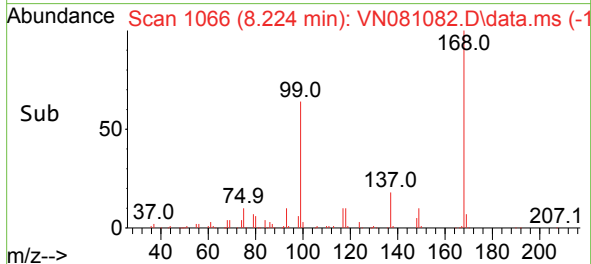
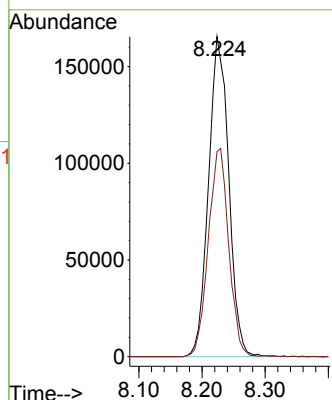
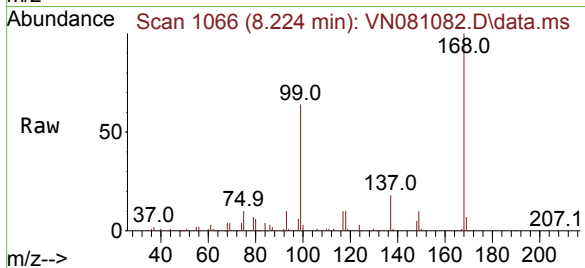
ETGI-343

Tgt Ion:168 Resp: 368207

Ion Ratio Lower Upper

168 100

99 64.0 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN081082.D

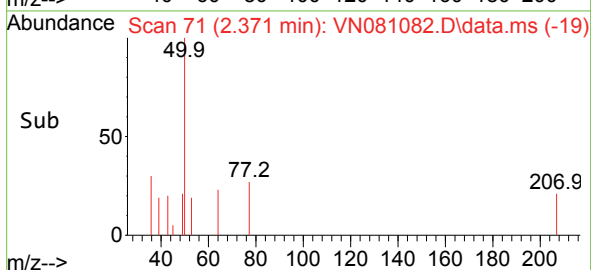
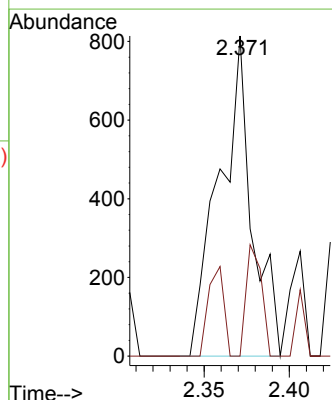
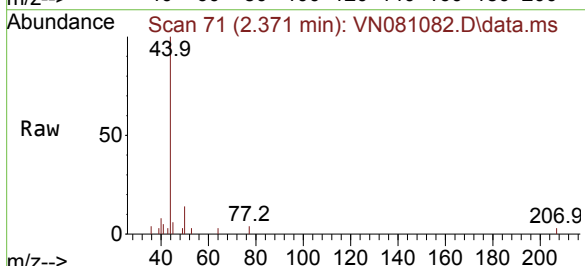
Acq: 19 Feb 2024 17:41

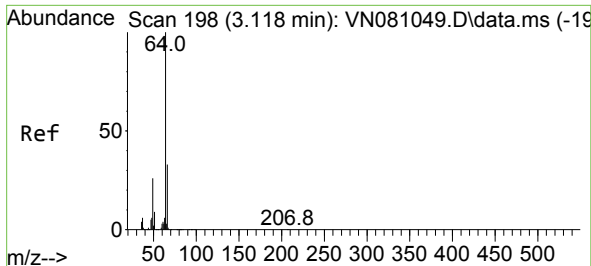
Tgt Ion: 50 Resp: 1087

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

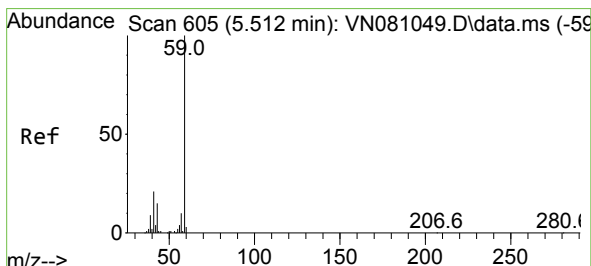
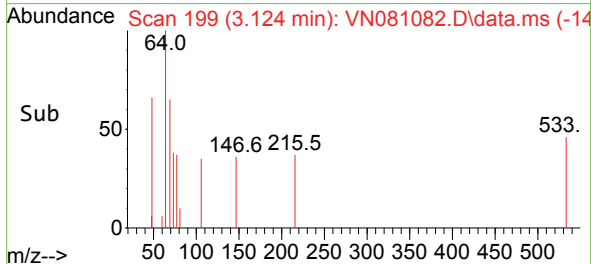
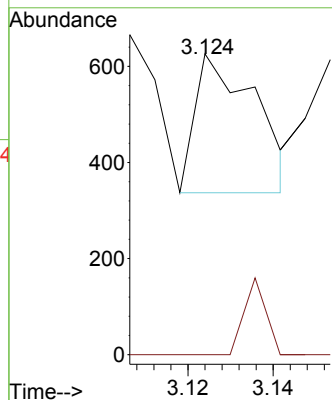
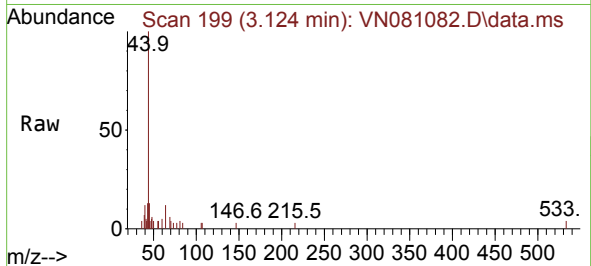




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN081082.D
Acq: 19 Feb 2024 17:41

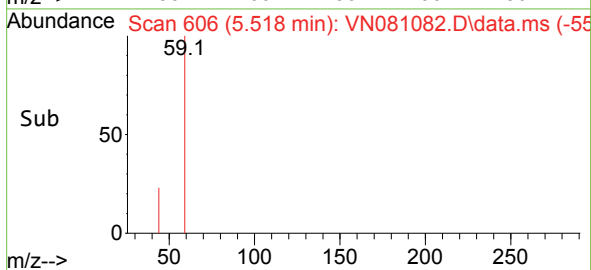
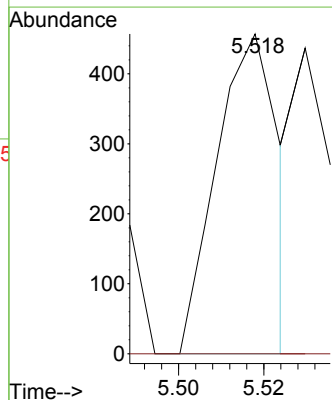
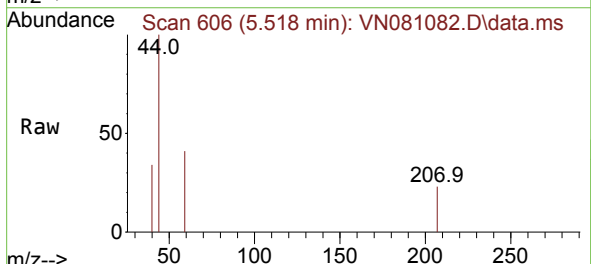
Instrument :
MSVOA_N
ClientSampleId :
ETGI-343

Tgt Ion: 64 Resp: 285
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.561 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN081082.D
Acq: 19 Feb 2024 17:41

Tgt Ion: 59 Resp: 466
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

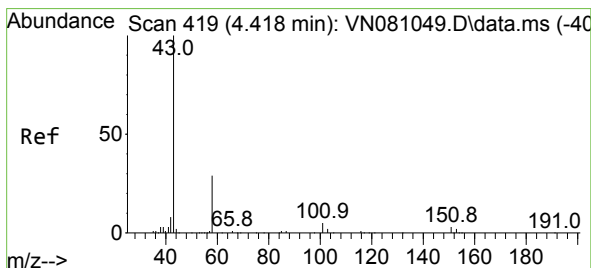
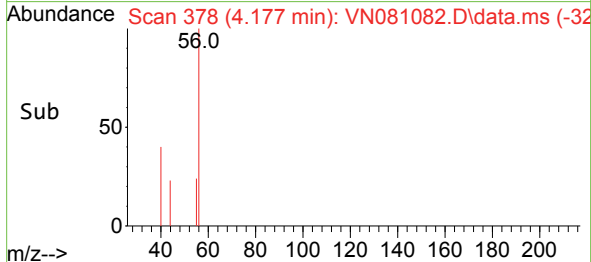
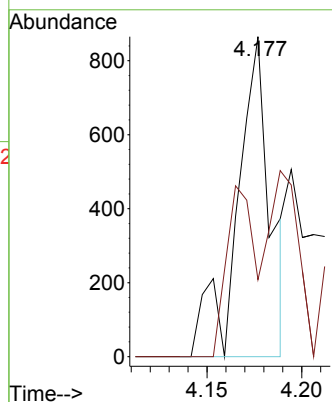
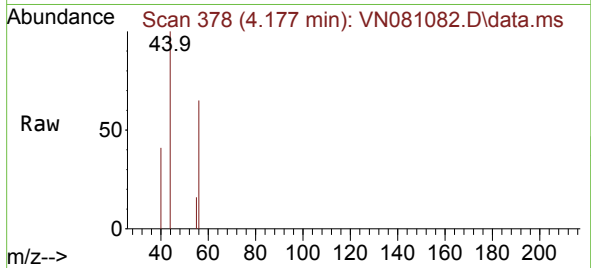




#13
Acrolein
Concen: 2.351 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN081082.D
Acq: 19 Feb 2024 17:41

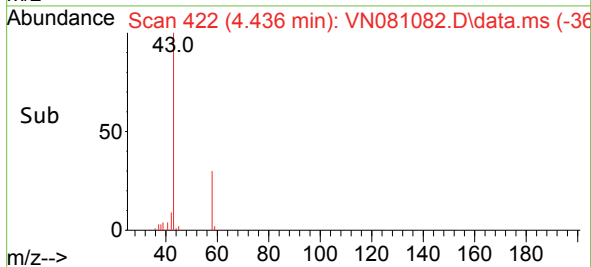
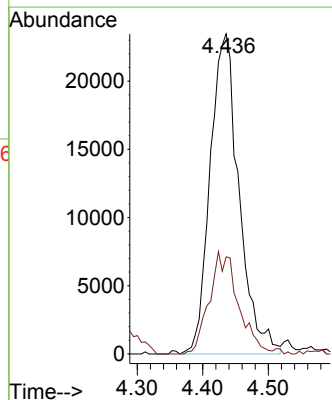
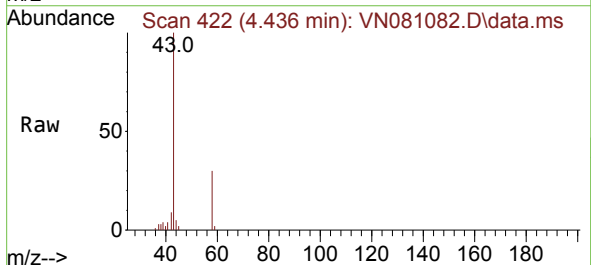
Instrument :
MSVOA_N
ClientSampleId :
ETGI-343

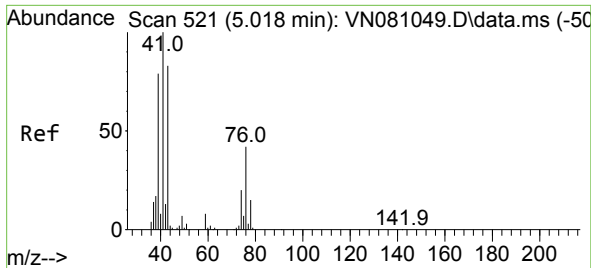
Tgt Ion: 56 Resp: 1046
Ion Ratio Lower Upper
56 100
55 44.7 55.3 82.9#



#16
Acetone
Concen: 40.408 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN081082.D
Acq: 19 Feb 2024 17:41

Tgt Ion: 43 Resp: 71758
Ion Ratio Lower Upper
43 100
58 30.4 24.8 37.2





#18

Methyl Acetate

Concen: 0.612 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN081082.D

Acq: 19 Feb 2024 17:41

Instrument :

MSVOA_N

ClientSampleId :

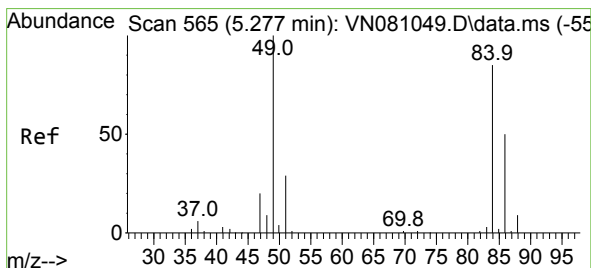
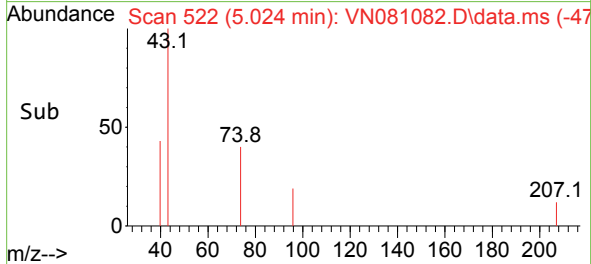
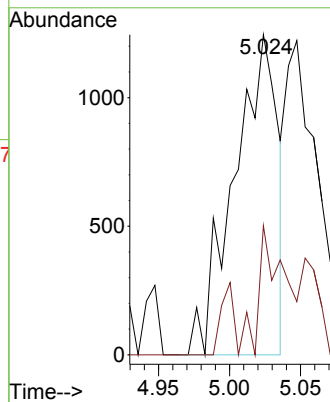
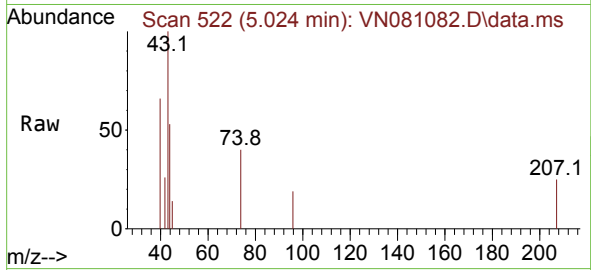
ETGI-343

Tgt Ion: 43 Resp: 2652

Ion Ratio Lower Upper

43 100

74 24.2 17.3 25.9



#20

Methylene Chloride

Concen: 9.128 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN081082.D

Acq: 19 Feb 2024 17:41

Tgt Ion: 84 Resp: 45426

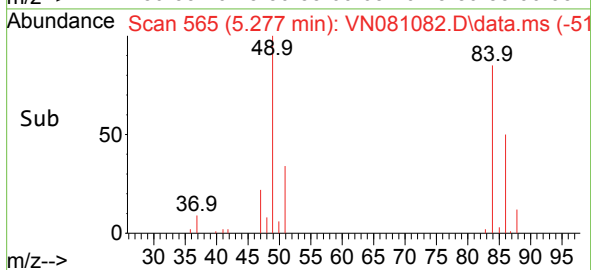
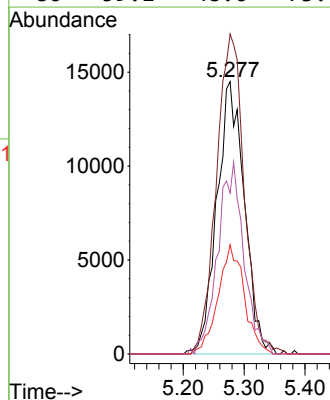
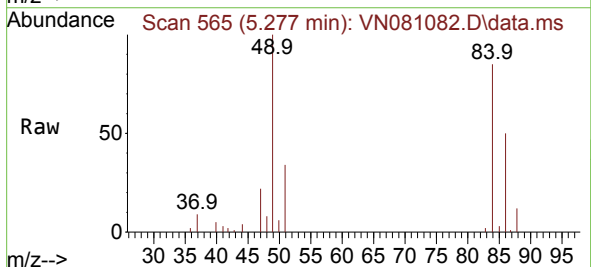
Ion Ratio Lower Upper

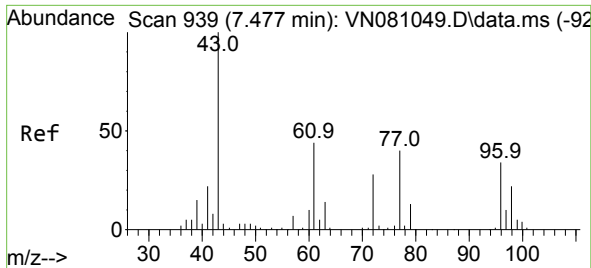
84 100

49 117.5 108.1 162.1

51 40.1 32.9 49.3

86 59.1 48.6 73.0

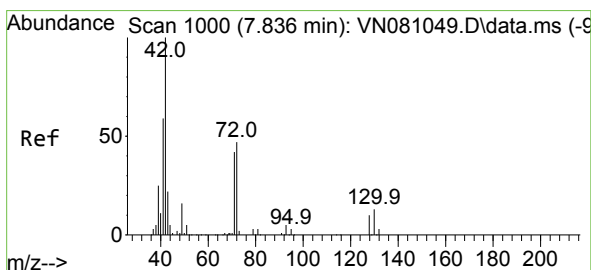
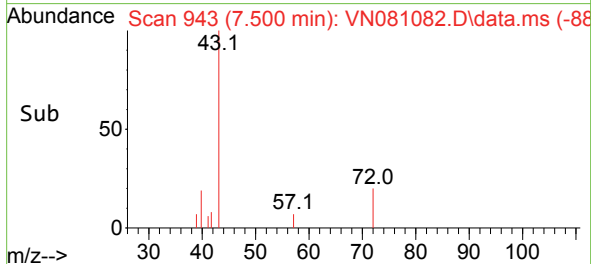
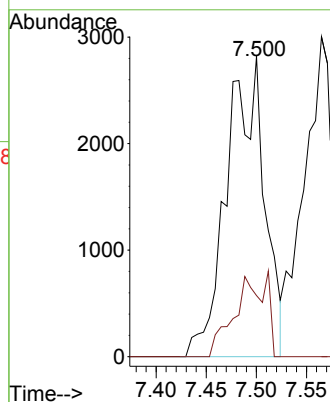
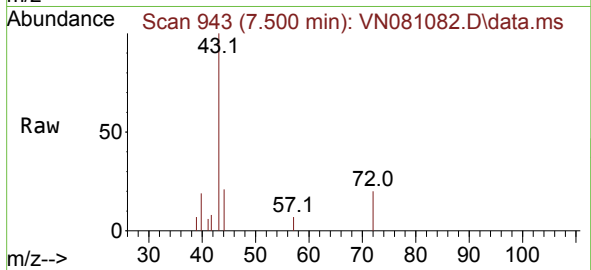




#25
2-Butanone
Concen: 2.559 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.023 min
Lab File: VN081082.D
Acq: 19 Feb 2024 17:41

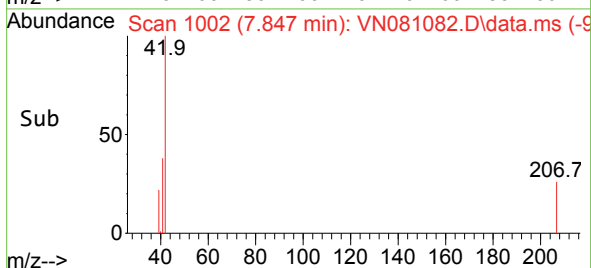
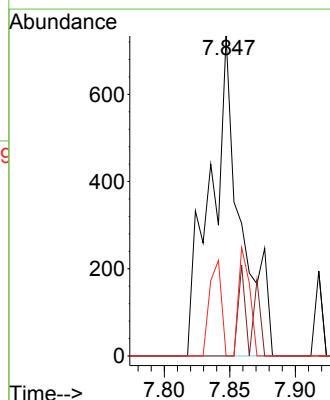
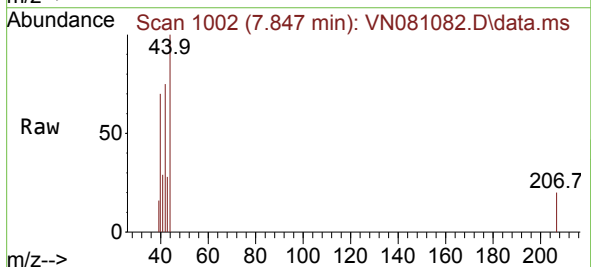
Instrument :
MSVOA_N
ClientSampleId :
ETGI-343

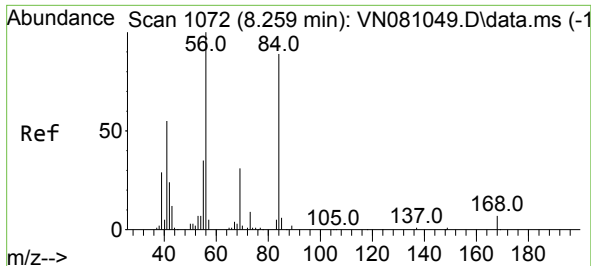
Tgt Ion: 43 Resp: 7342
Ion Ratio Lower Upper
43 100
72 20.3 19.5 29.3



#29
Tetrahydrofuran
Concen: 0.612 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN081082.D
Acq: 19 Feb 2024 17:41

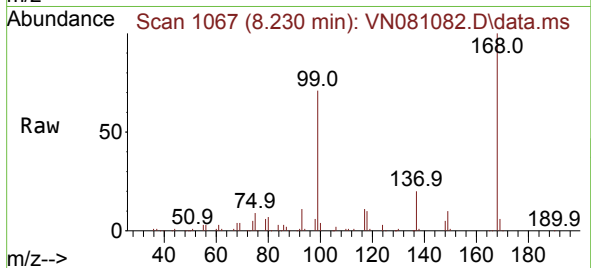
Tgt Ion: 42 Resp: 1173
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7#
71 11.8 28.3 42.5#



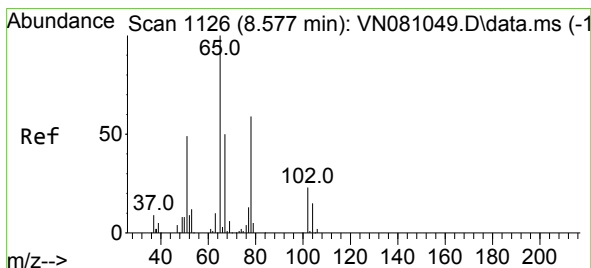
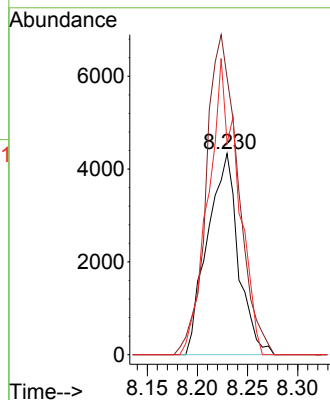
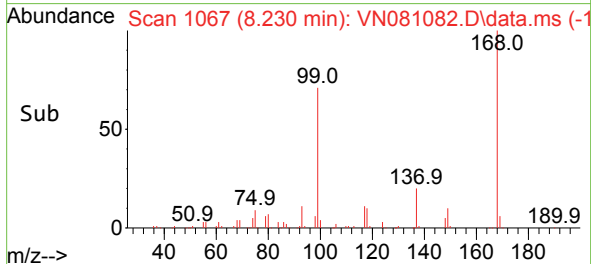


#31
Cyclohexane
Concen: 1.190 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN081082.D
Acq: 19 Feb 2024 17:41

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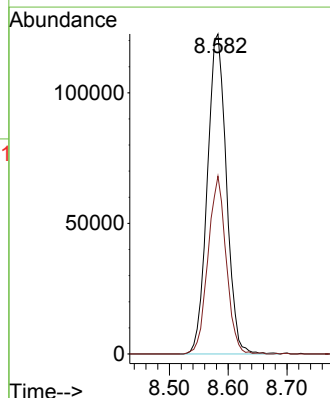
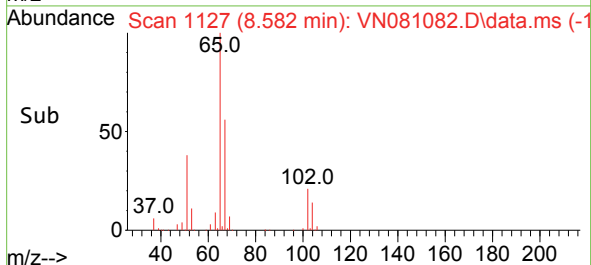
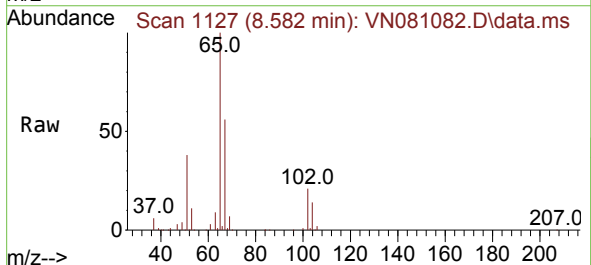


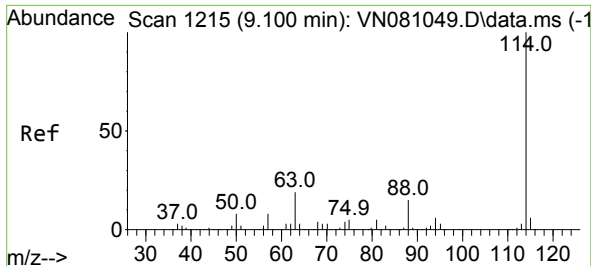
Tgt Ion: 56 Resp: 9274
Ion Ratio Lower Upper
56 100
69 137.7 20.1 30.1#
84 105.1 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 61.087 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081082.D
Acq: 19 Feb 2024 17:41

Tgt Ion: 65 Resp: 275695
Ion Ratio Lower Upper
65 100
67 53.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081082.D

Acq: 19 Feb 2024 17:41

Instrument :

MSVOA_N

ClientSampleId :

ETGI-343

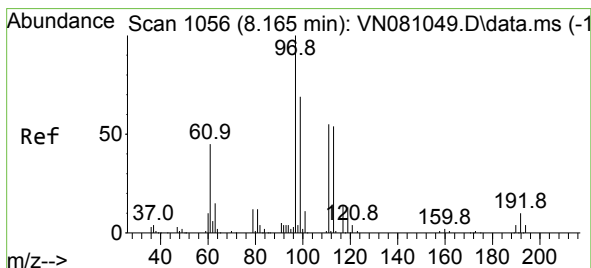
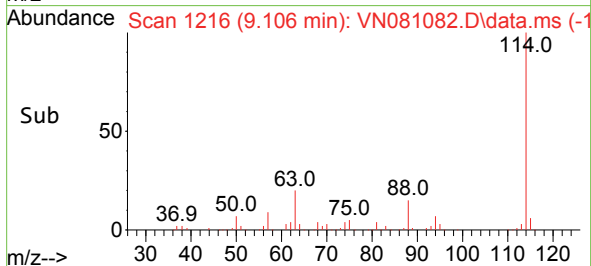
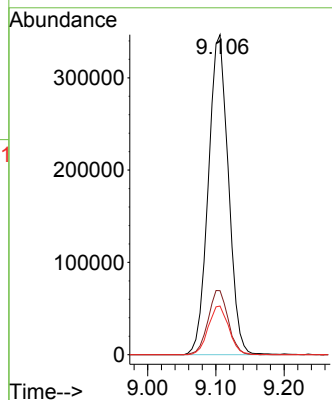
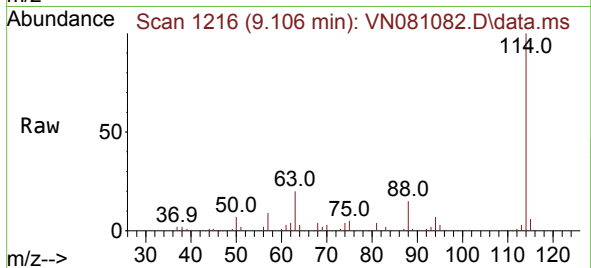
Tgt Ion:114 Resp: 707208

Ion Ratio Lower Upper

114 100

63 20.0 0.0 48.0

88 15.2 0.0 34.8



#35

Dibromofluoromethane

Concen: 54.448 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081082.D

Acq: 19 Feb 2024 17:41

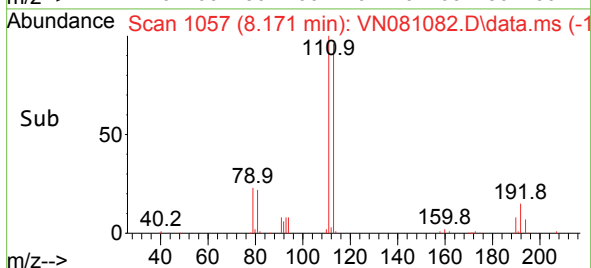
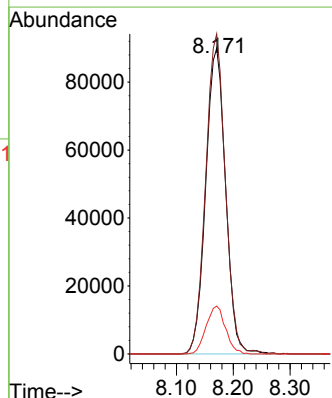
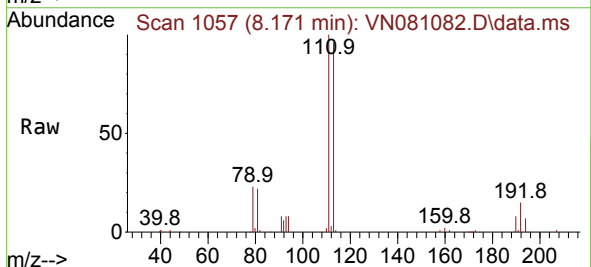
Tgt Ion:113 Resp: 217742

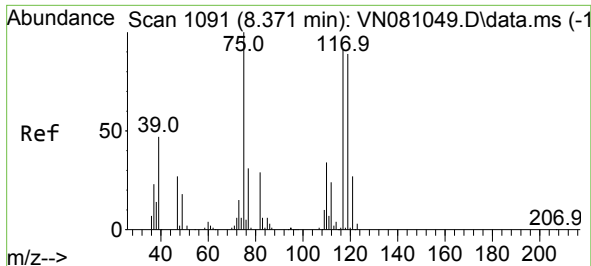
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 15.3 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.909 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN081082.D

Acq: 19 Feb 2024 17:41

Instrument :

MSVOA_N

ClientSampleId :

ETGI-343

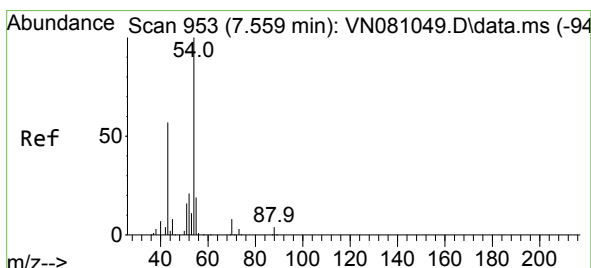
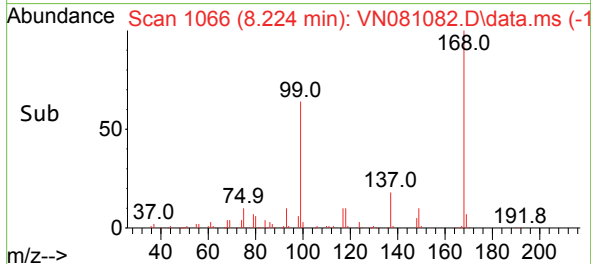
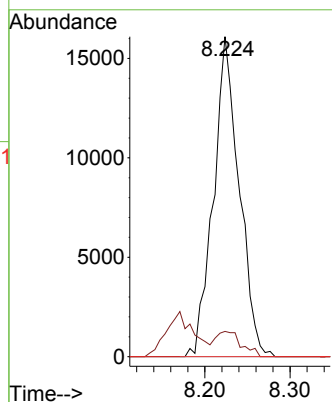
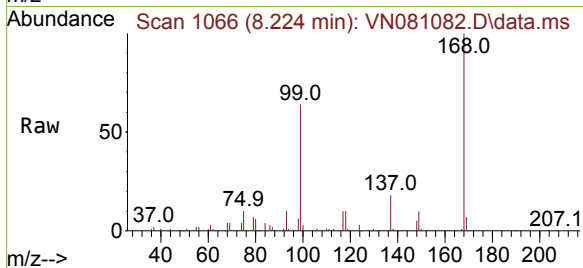
Tgt Ion: 75 Resp: 33634

Ion Ratio Lower Upper

75 100

110 7.9 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 1.152 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN081082.D

Acq: 19 Feb 2024 17:41

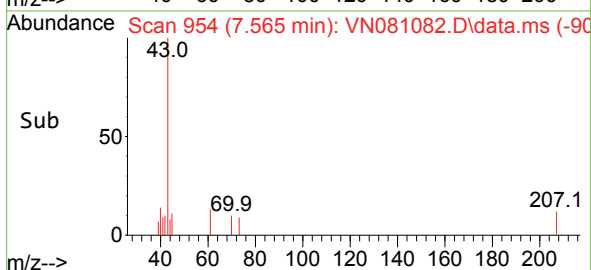
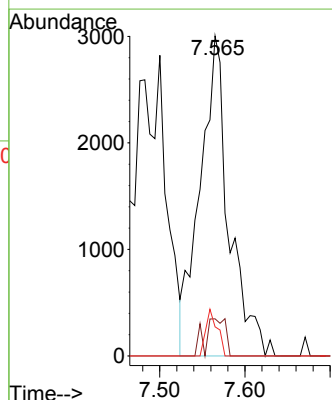
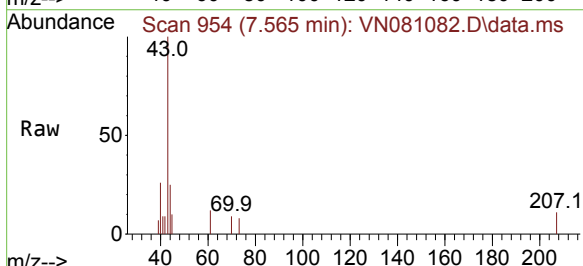
Tgt Ion: 43 Resp: 7124

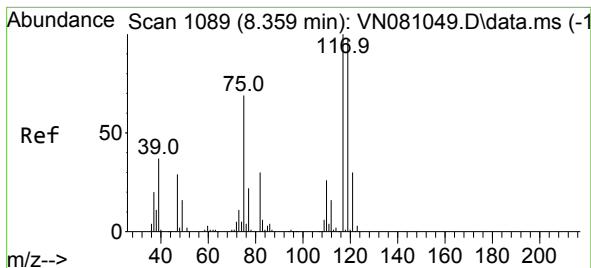
Ion Ratio Lower Upper

43 100

61 8.2 10.6 15.8#

70 5.8 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 5.839 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN081082.D

Acq: 19 Feb 2024 17:41

Instrument :

MSVOA_N

ClientSampleId :

ETGI-343

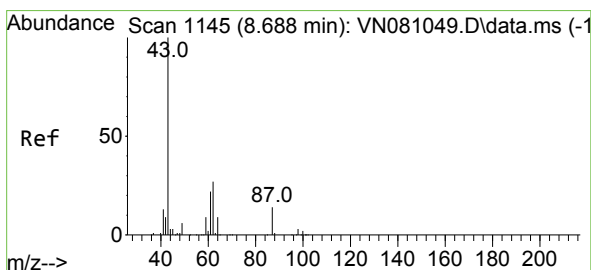
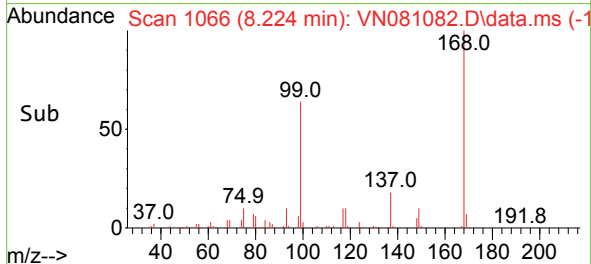
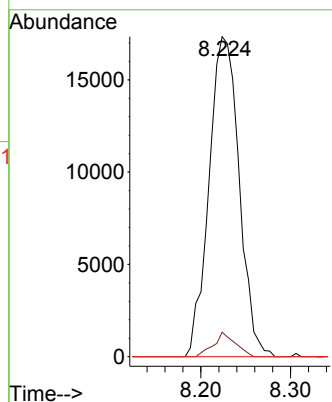
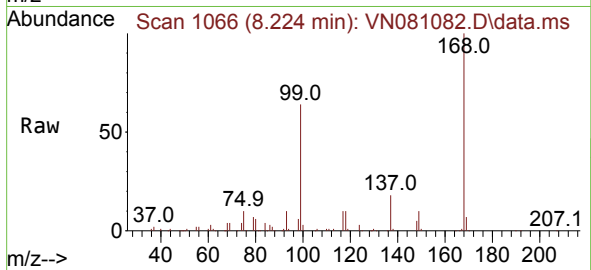
Tgt Ion:117 Resp: 40473

Ion Ratio Lower Upper

117 100

119 7.7 73.4 110.2#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 24.487 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN081082.D

Acq: 19 Feb 2024 17:41

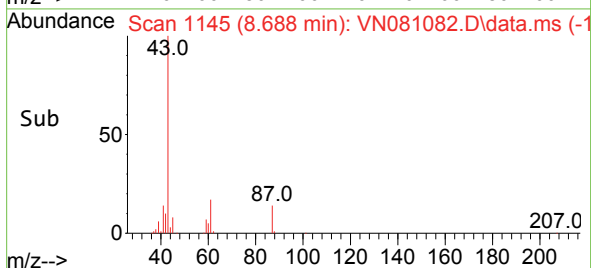
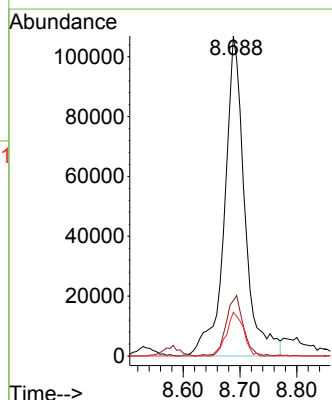
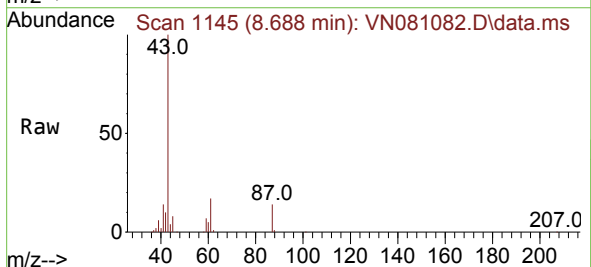
Tgt Ion: 43 Resp: 264808

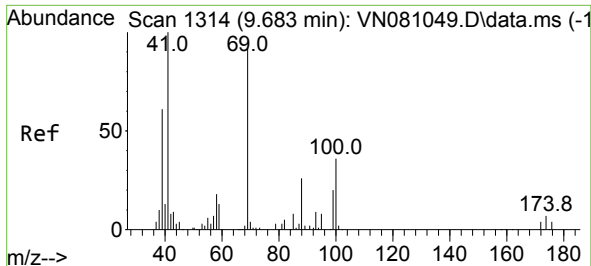
Ion Ratio Lower Upper

43 100

61 16.0 19.9 29.9#

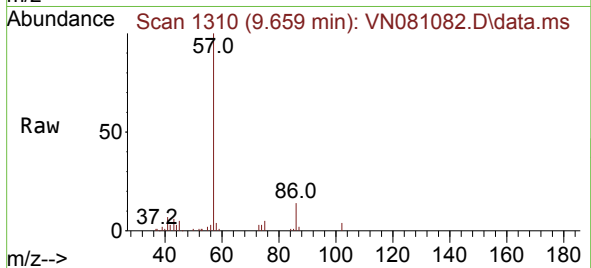
87 11.4 9.0 13.6



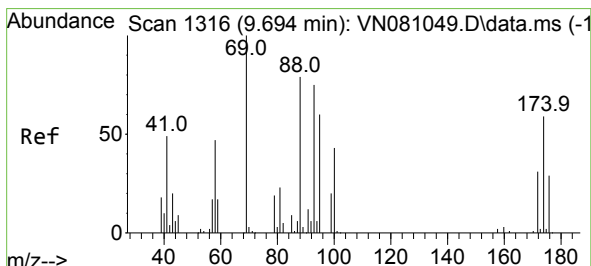
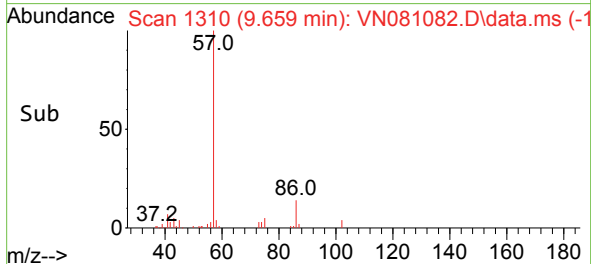
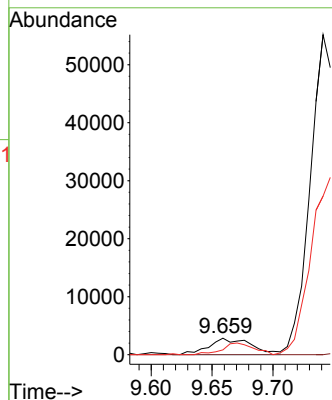


#48
Methyl methacrylate
Concen: 1.373 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.024 min
Lab File: VN081082.D
Acq: 19 Feb 2024 17:41

Instrument :
MSVOA_N
ClientSampleId :
ETGI-343

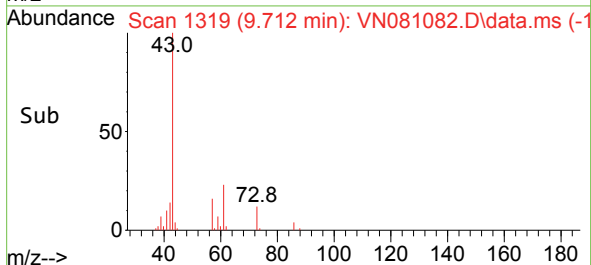
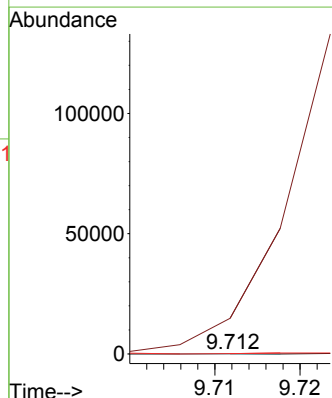
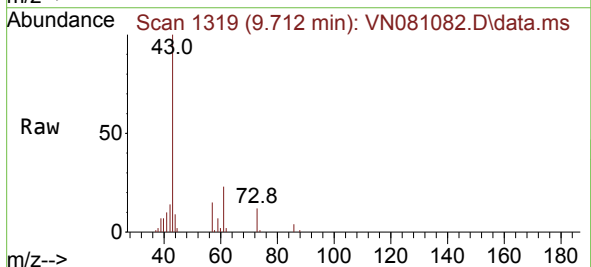


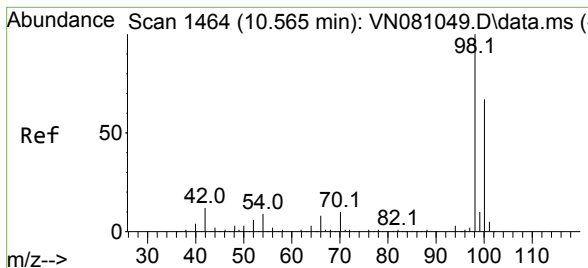
Tgt Ion: 41 Resp: 6907
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 52.5 47.6 71.4



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.712 min Scan# 1319
Delta R.T. 0.018 min
Lab File: VN081082.D
Acq: 19 Feb 2024 17:41

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#





#50

Toluene-d8

Concen: 57.492 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081082.D

Acq: 19 Feb 2024 17:41

Instrument :

MSVOA_N

ClientSampleId :

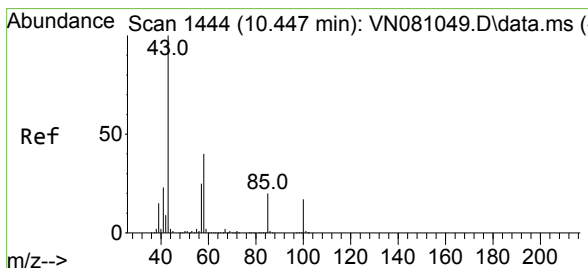
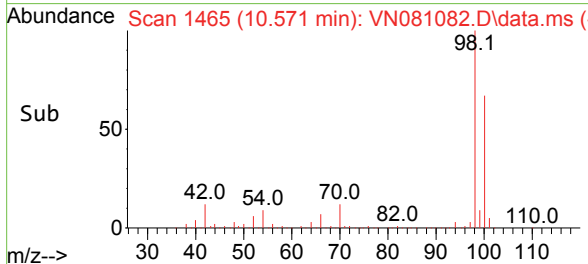
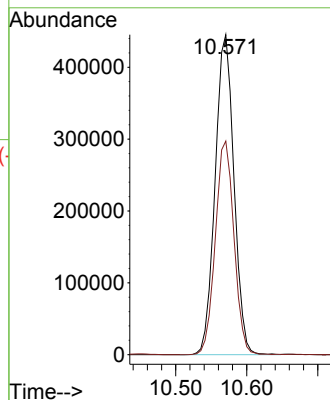
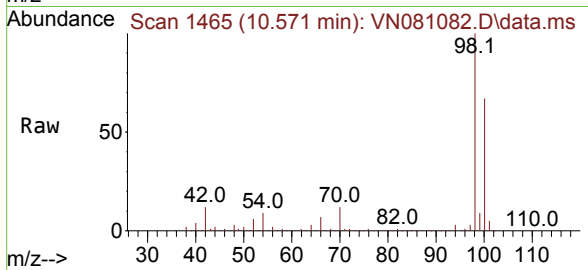
ETGI-343

Tgt Ion: 98 Resp: 816585

Ion Ratio Lower Upper

98 100

100 66.2 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 2.869 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN081082.D

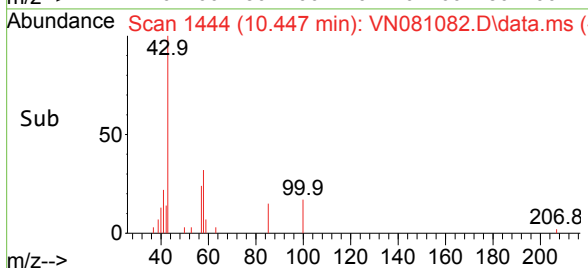
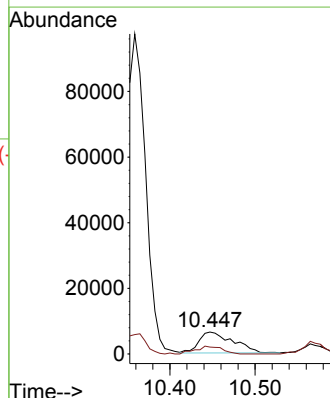
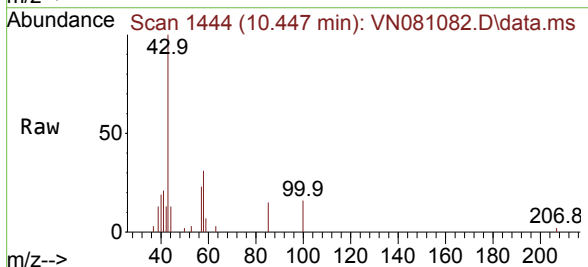
Acq: 19 Feb 2024 17:41

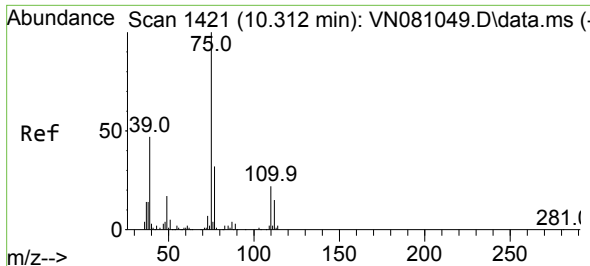
Tgt Ion: 43 Resp: 17847

Ion Ratio Lower Upper

43 100

58 28.6 29.4 44.0#

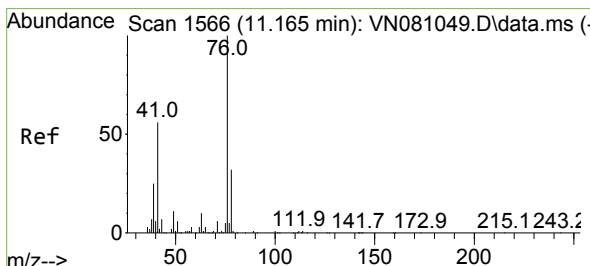
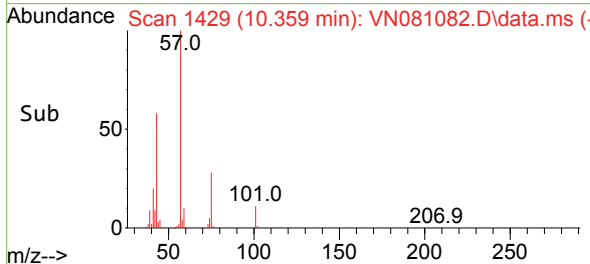
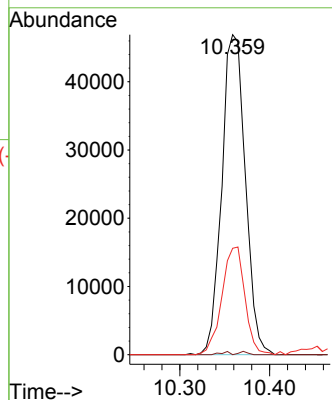
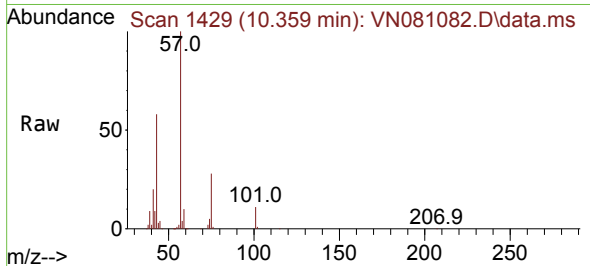




#54
 cis-1,3-Dichloropropene
 Concen: 10.412 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081082.D
 Acq: 19 Feb 2024 17:41

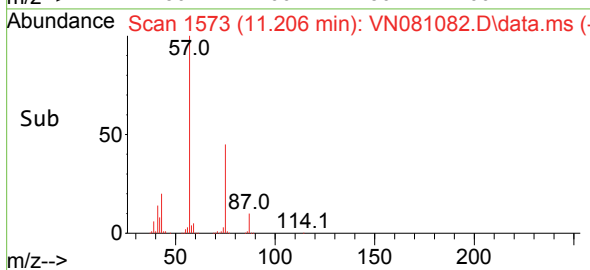
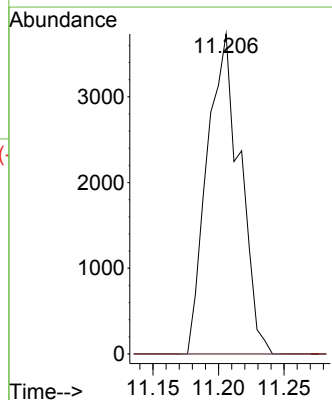
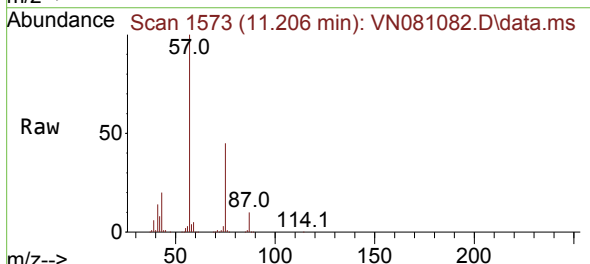
Instrument :
 MSVOA_N
 ClientSampleId :
 ETGI-343

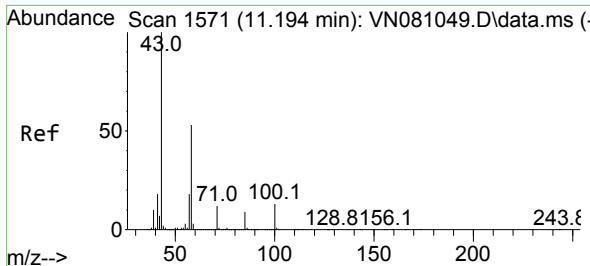
Tgt Ion: 75 Resp: 85576
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.3 34.9#
 39 33.2 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 0.782 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN081082.D
 Acq: 19 Feb 2024 17:41

Tgt Ion: 76 Resp: 6530
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

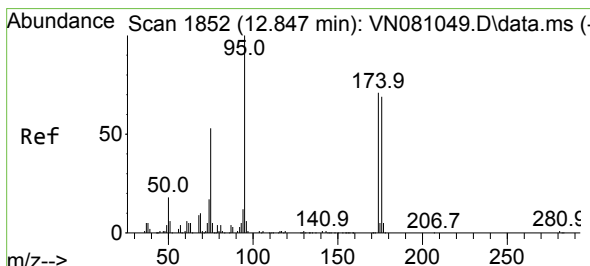
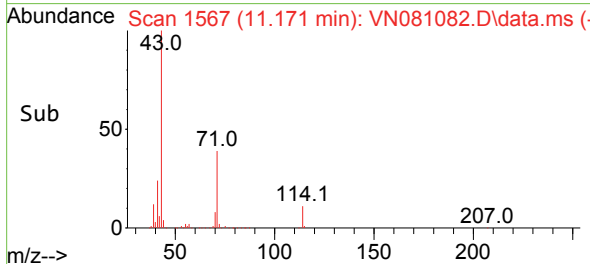
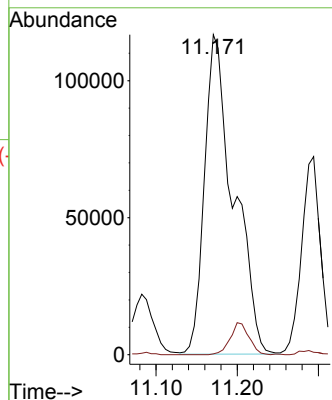
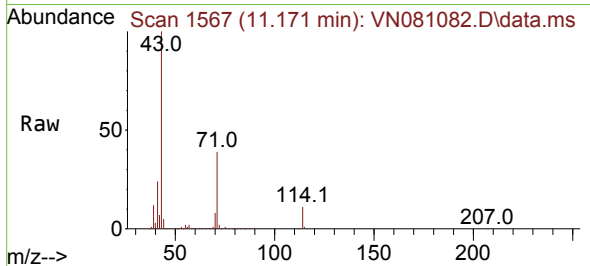




#59
2-Hexanone
Concen: 58.943 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN081082.D
Acq: 19 Feb 2024 17:41

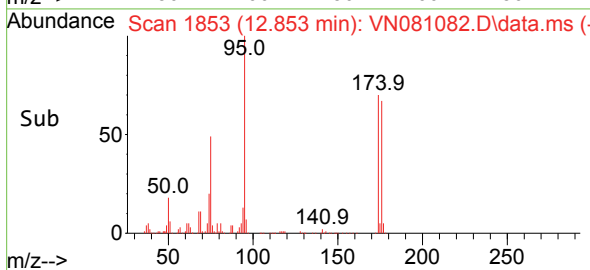
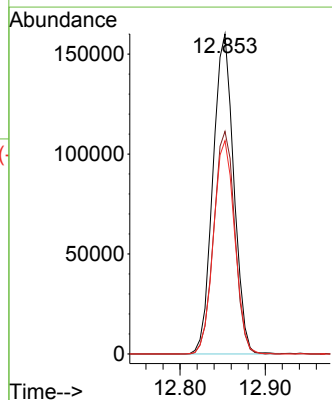
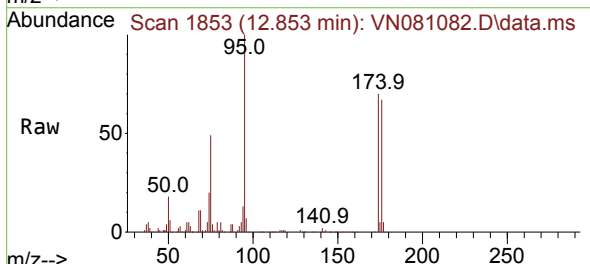
Instrument :
MSVOA_N
ClientSampleId :
ETGI-343

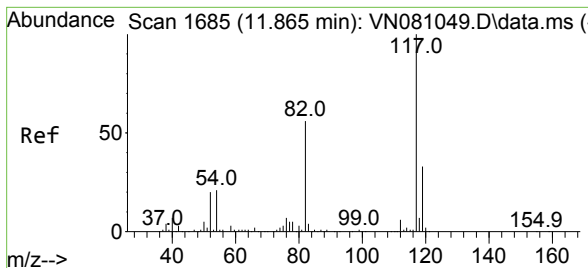
Tgt Ion: 43 Resp: 290703
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 50.923 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081082.D
Acq: 19 Feb 2024 17:41

Tgt Ion: 95 Resp: 271779
Ion Ratio Lower Upper
95 100
174 70.1 0.0 120.4
176 67.8 0.0 121.0

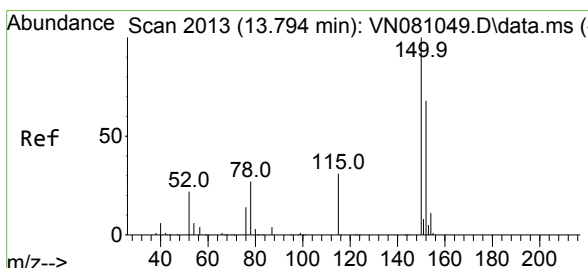
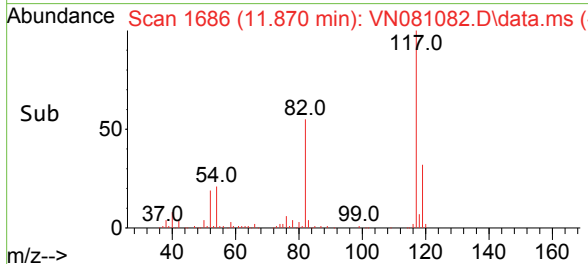
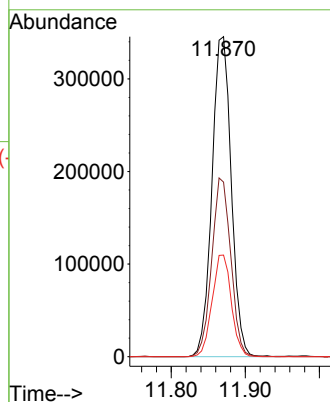
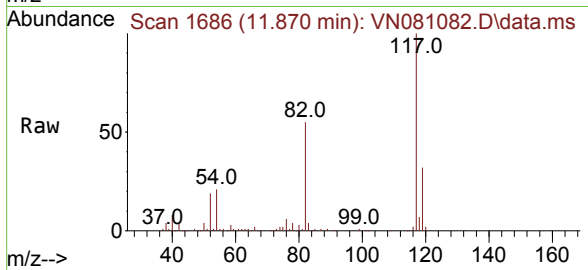




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081082.D
Acq: 19 Feb 2024 17:41

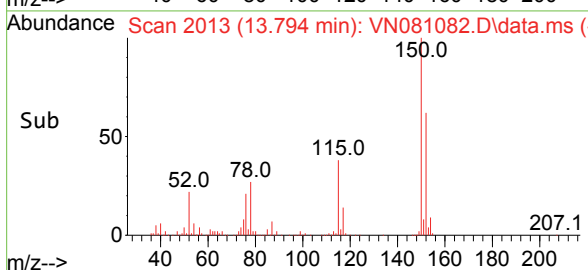
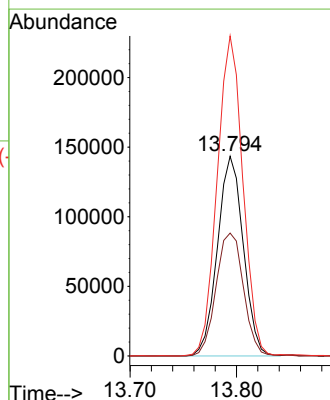
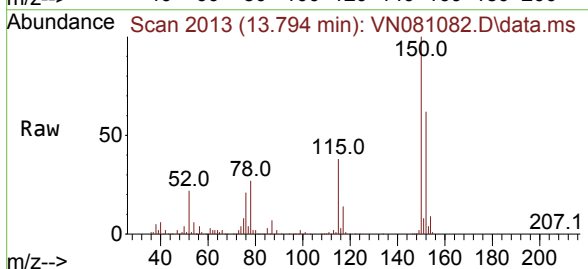
Instrument :
MSVOA_N
ClientSampleId :
ETGI-343

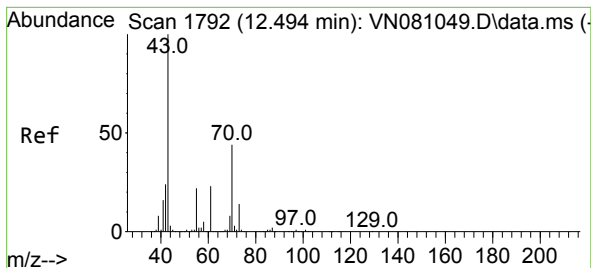
Tgt Ion:117 Resp: 624435
Ion Ratio Lower Upper
117 100
82 54.6 52.7 79.1
119 31.7 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081082.D
Acq: 19 Feb 2024 17:41

Tgt Ion:152 Resp: 241481
Ion Ratio Lower Upper
152 100
115 65.1 32.3 96.8
150 159.8 0.0 339.8





#74

N-amy1 acetate

Concen: 0.216 ug/l

RT: 12.465 min Scan# 1

Delta R.T. -0.030 min

Lab File: VN081082.D

Acq: 19 Feb 2024 17:41

Instrument :

MSVOA_N

ClientSampleId :

ETGI-343

Tgt Ion: 43 Resp: 1929

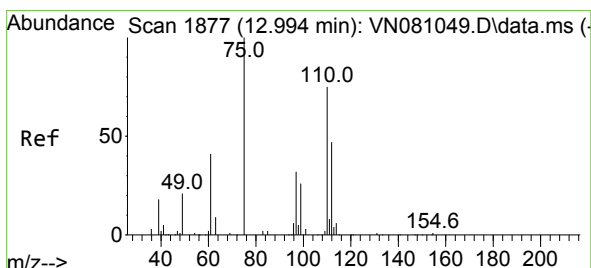
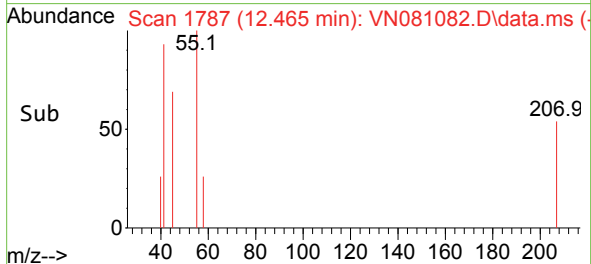
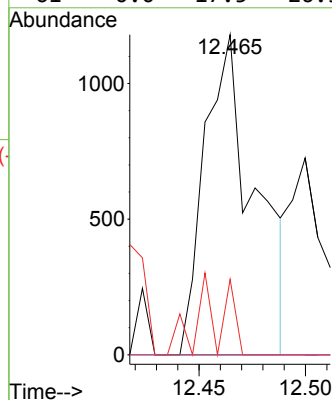
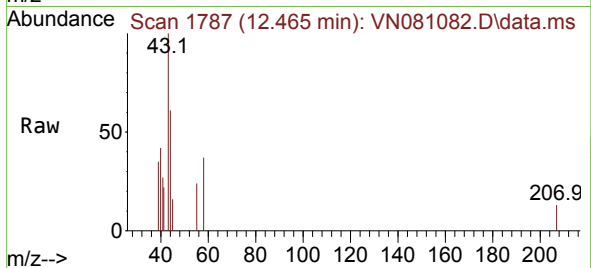
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 13.4 17.0 25.4#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 25.970 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081082.D

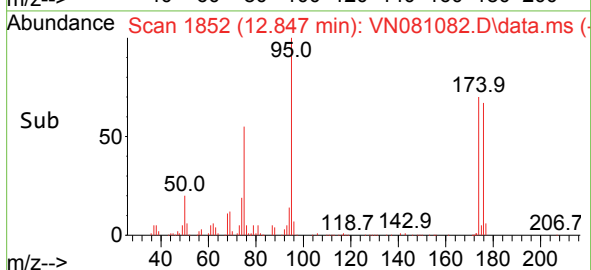
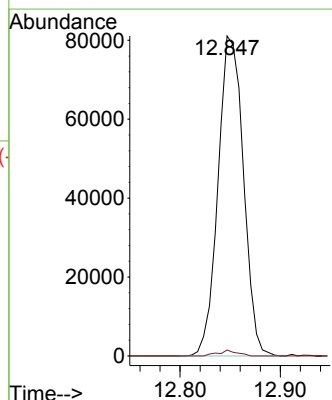
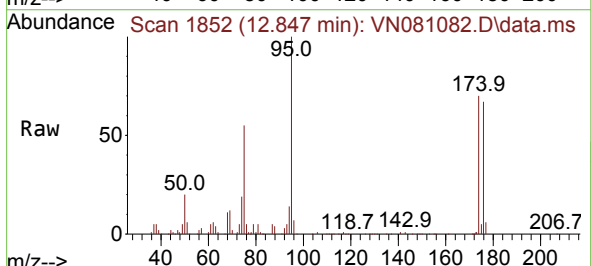
Acq: 19 Feb 2024 17:41

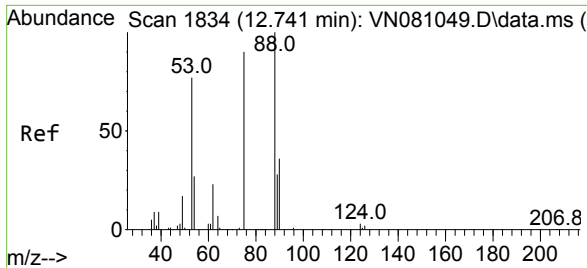
Tgt Ion: 75 Resp: 142488

Ion Ratio Lower Upper

75 100

77 1.3 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.845 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081082.D
 Acq: 19 Feb 2024 17:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ETGI-343

Tgt Ion: 75 Resp: 142488
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

