

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022024\
 Data File : VN081096.D
 Acq On : 20 Feb 2024 14:18
 Operator : JC\MD
 Sample : P1514-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ETGI-343

Quant Time: Feb 21 00:19:53 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)

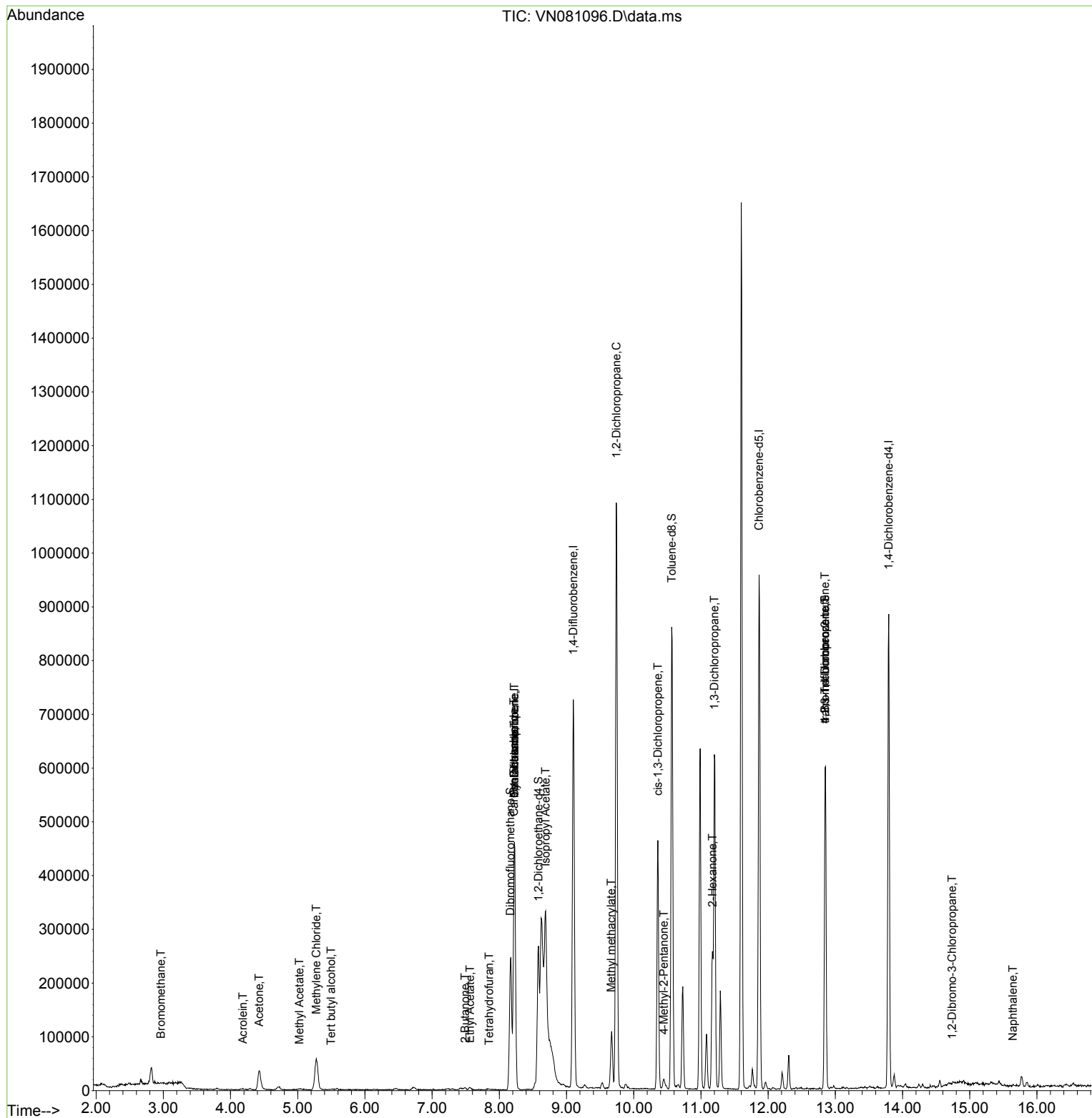
Internal Standards						
1) Pentafluorobenzene	8.224	168	333016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	629679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	543507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	228204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	213871	52.396	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.800%			
35) Dibromofluoromethane	8.165	113	175417	49.266	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.540%			
50) Toluene-d8	10.565	98	599583	47.411	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.820%			
62) 4-Bromofluorobenzene	12.847	95	218601	46.002	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.000%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1585	Below Cal	#	70
5) Bromomethane	2.965	94	1250	0.368	ug/l #	37
6) Chloroethane	3.112	64	507	Below Cal	#	42
11) Tert butyl alcohol	5.495	59	932	1.242	ug/l #	55
13) Acrolein	4.183	56	1747	4.342	ug/l	92
16) Acetone	4.424	43	69913	43.529	ug/l	91
18) Methyl Acetate	5.024	43	2637	0.673	ug/l	99
20) Methylene Chloride	5.277	84	45997	10.333	ug/l	86
25) 2-Butanone	7.489	43	6552	2.525	ug/l #	90
29) Tetrahydrofuran	7.847	42	888	0.513	ug/l	92
31) Cyclohexane	8.224	56	8372	1.188	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	28515	4.674	ug/l #	52
37) Ethyl Acetate	7.565	43	6317	1.147	ug/l #	89
38) Carbon Tetrachloride	8.218	117	36737	5.953	ug/l #	16
43) Isopropyl Acetate	8.688	43	544009	56.499	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1437	0.325	ug/l #	69
48) Methyl methacrylate	9.665	41	6393	1.427	ug/l #	48
49) 1,4-Dioxane	9.694	88	305	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.447	43	18324	3.308	ug/l	88
54) cis-1,3-Dichloropropene	10.359	75	85610	11.699	ug/l #	59
57) 1,3-Dichloropropane	11.200	76	7388	0.994	ug/l #	43
59) 2-Hexanone	11.171	43	288285	65.650	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	114448	22.073	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	114448	56.814	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.735	75	273	0.234	ug/l #	13
95) Naphthalene	15.641	128	3446	0.208	ug/l #	93

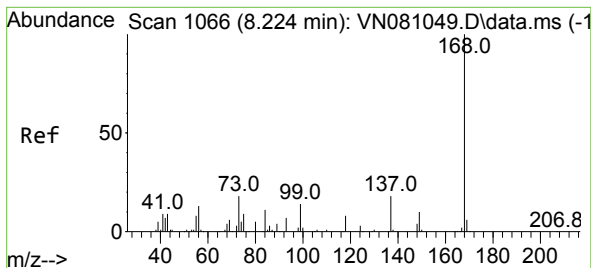
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 16 23:45:20 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081096.D

Acq: 20 Feb 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

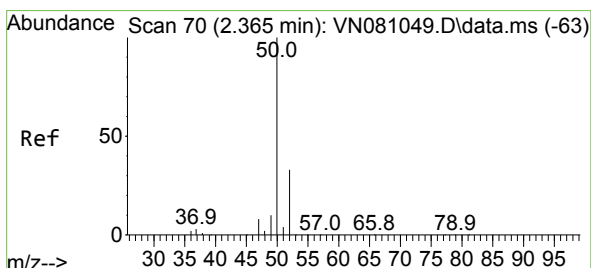
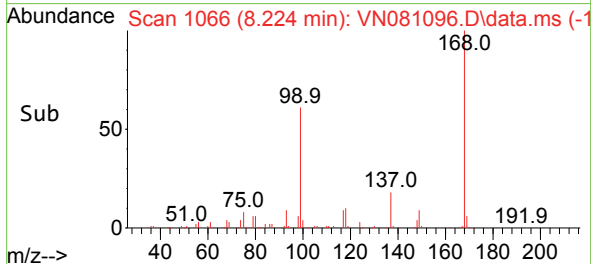
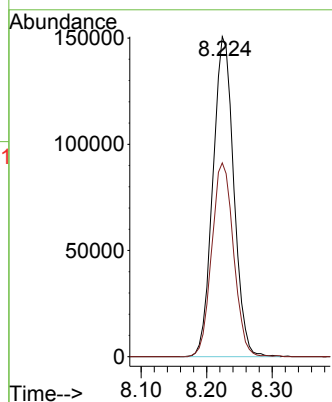
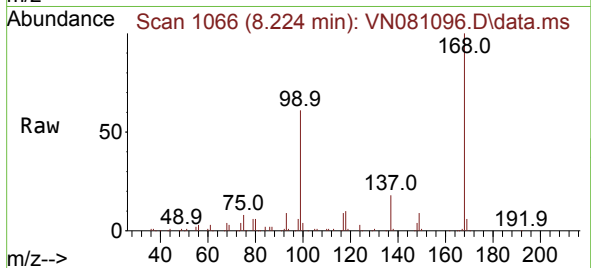
ETGI-343

Tgt Ion:168 Resp: 333016

Ion Ratio Lower Upper

168 100

99 60.5 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN081096.D

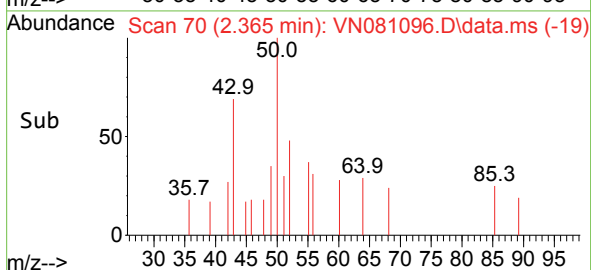
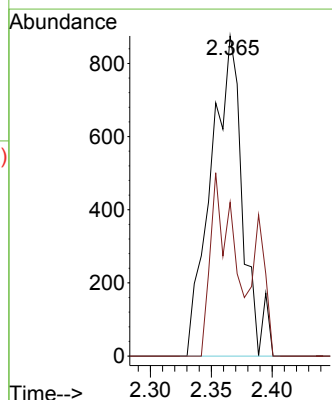
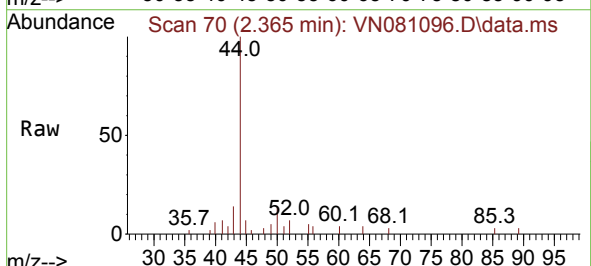
Acq: 20 Feb 2024 14:18

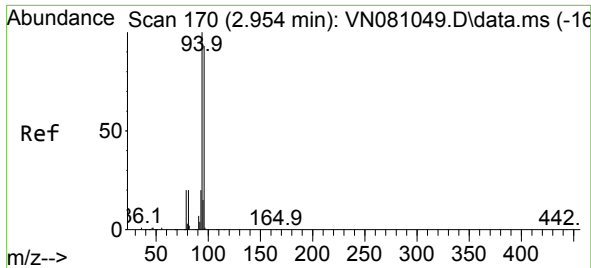
Tgt Ion: 50 Resp: 1585

Ion Ratio Lower Upper

50 100

52 48.0 25.0 37.4#

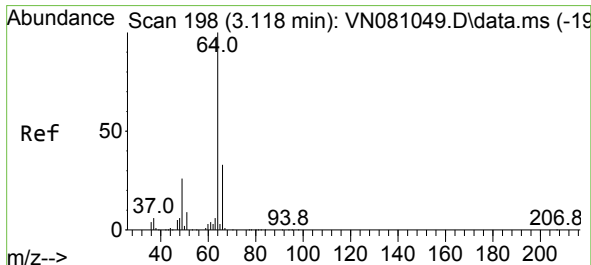
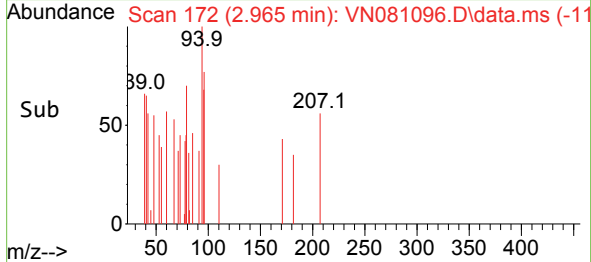
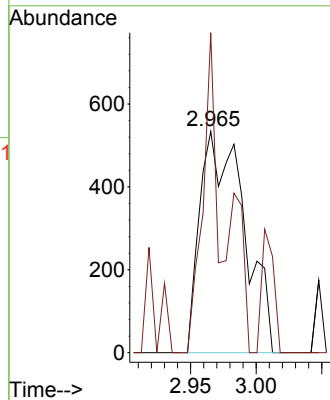
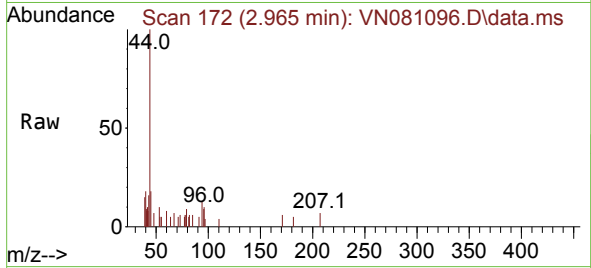




#5
Bromomethane
Concen: 0.368 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

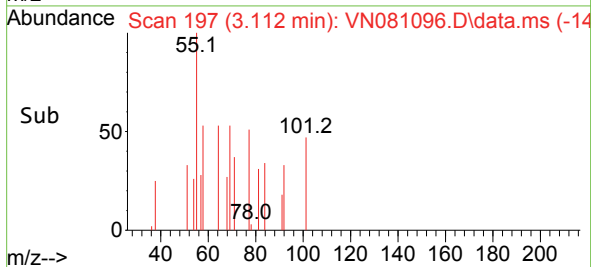
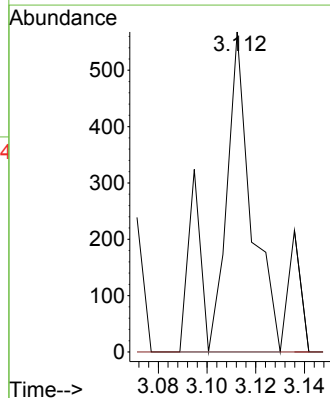
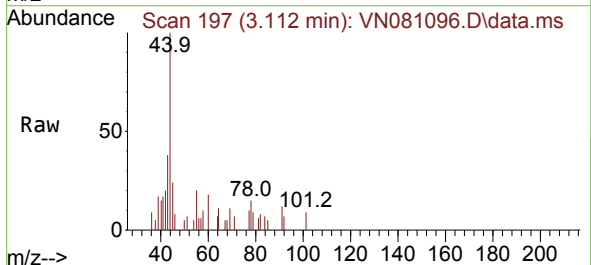
Instrument :
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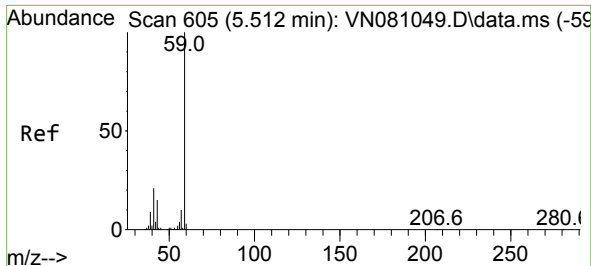
Tgt Ion: 94 Resp: 1250
Ion Ratio Lower Upper
94 100
96 144.6 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

Tgt Ion: 64 Resp: 507
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

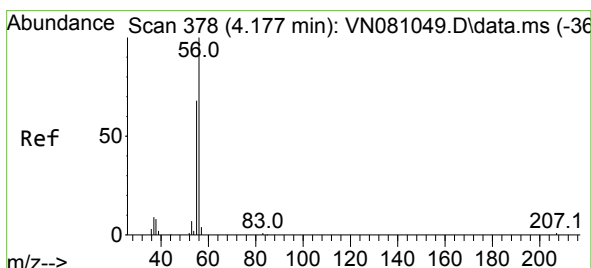
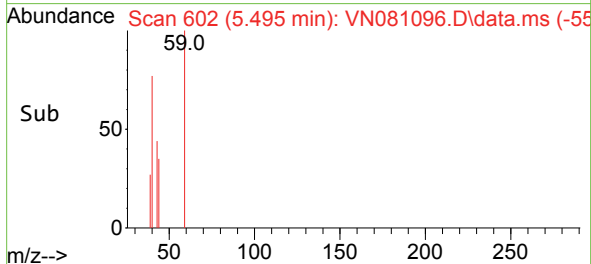
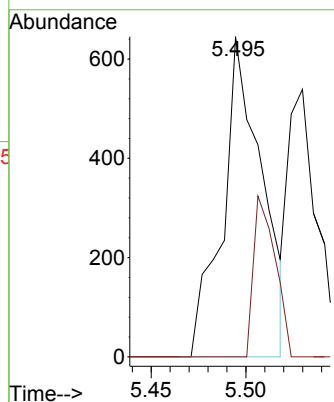
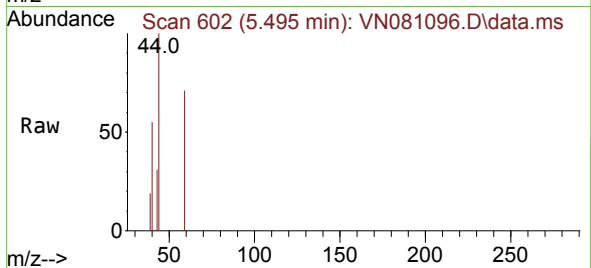




#11
Tert butyl alcohol
Concen: 1.242 ug/l
RT: 5.495 min Scan# 605
Delta R.T. -0.018 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

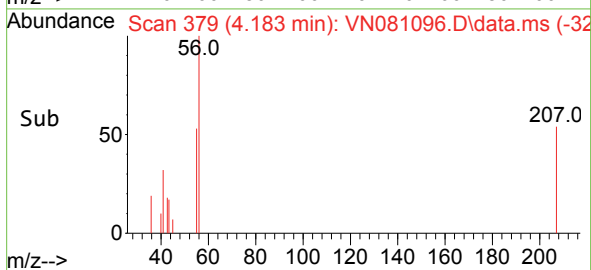
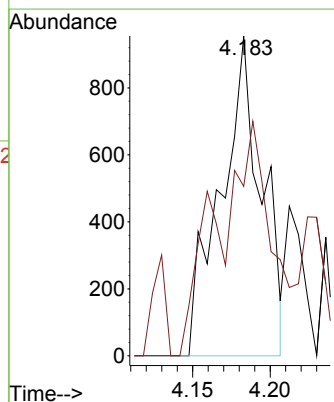
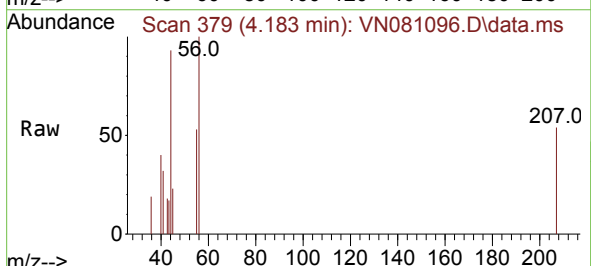
Instrument :
MSVOA_N
ClientSampleId :
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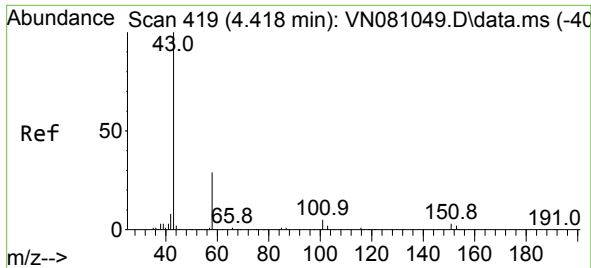
Tgt Ion: 59 Resp: 932
Ion Ratio Lower Upper
59 100
57 27.8 8.6 12.8#



#13
Acrolein
Concen: 4.342 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

Tgt Ion: 56 Resp: 1747
Ion Ratio Lower Upper
56 100
55 62.3 55.3 82.9

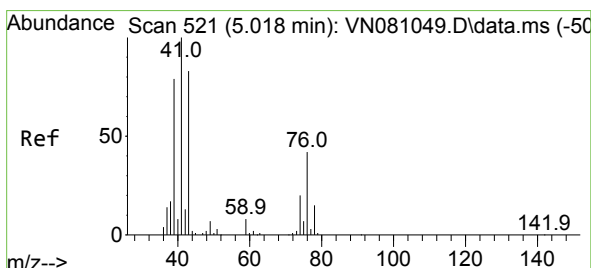
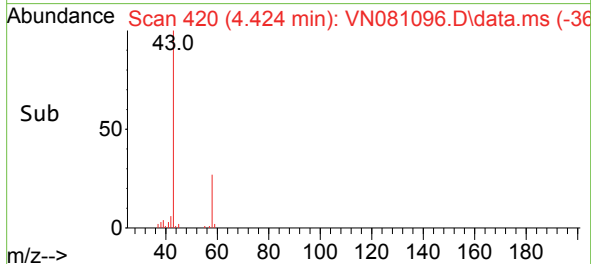
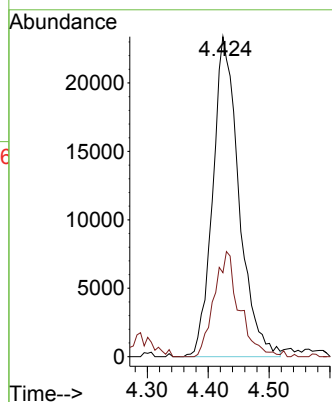
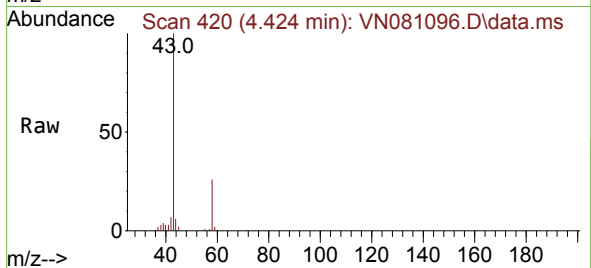




#16
Acetone
Concen: 43.529 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

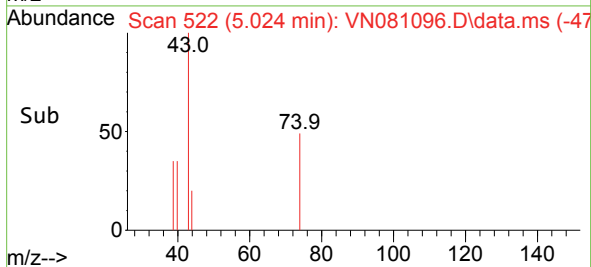
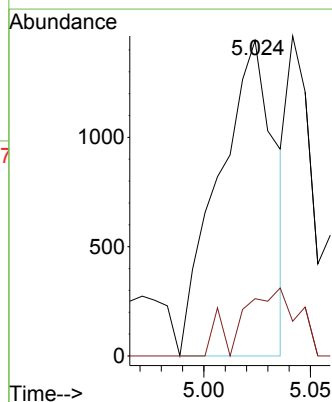
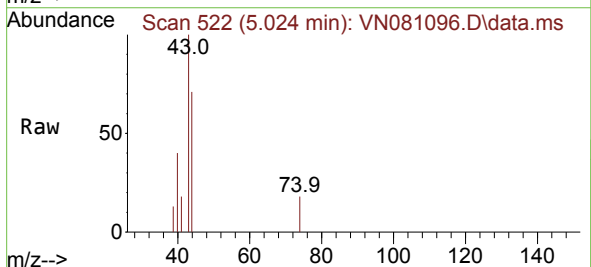
Instrument :
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ClientSampleId :
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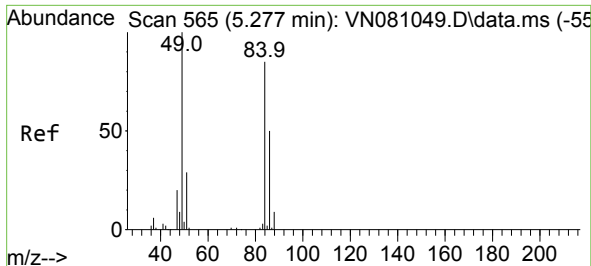
Tgt Ion: 43 Resp: 69913
Ion Ratio Lower Upper
43 100
58 26.2 24.8 37.2



#18
Methyl Acetate
Concen: 0.673 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

Tgt Ion: 43 Resp: 2637
Ion Ratio Lower Upper
43 100
74 21.9 17.3 25.9

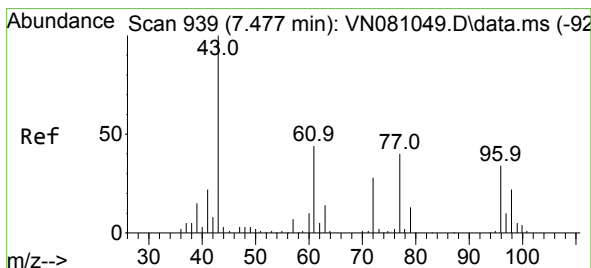
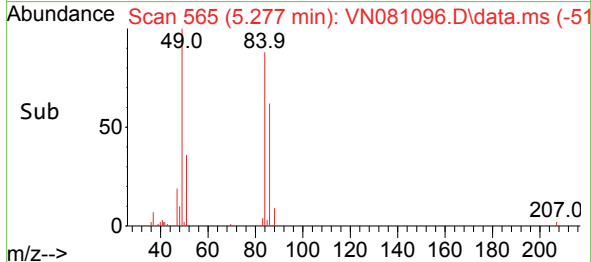
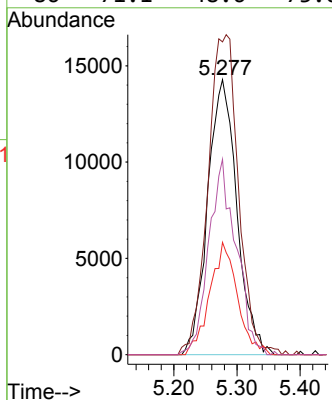
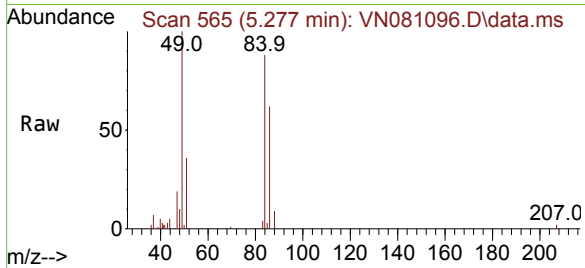




#20
Methylene Chloride
Concen: 10.333 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

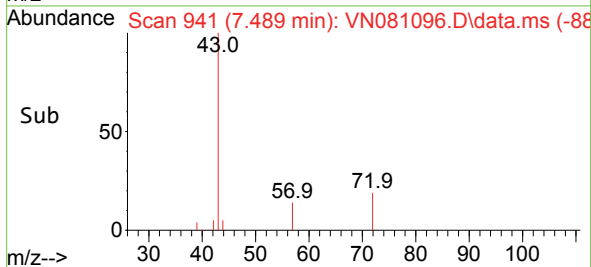
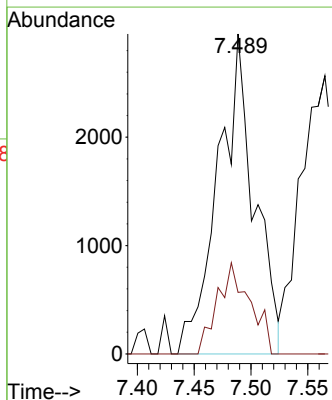
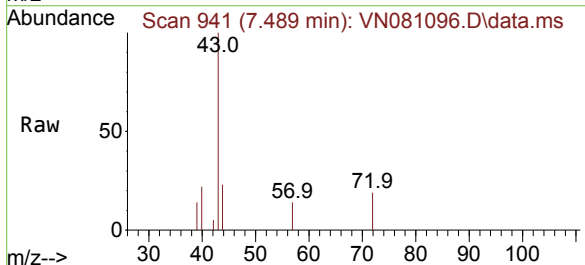
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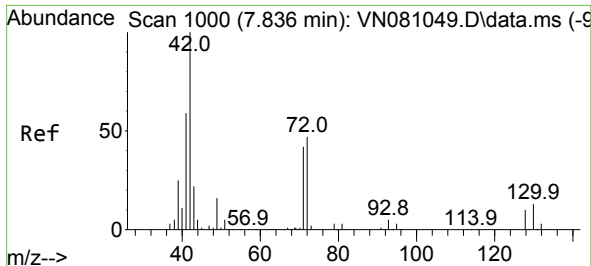
Tgt Ion:	84	Resp:	45997
Ion	Ratio	Lower	Upper
84	100		
49	113.7	108.1	162.1
51	40.9	32.9	49.3
86	71.1	48.6	73.0



#25
2-Butanone
Concen: 2.525 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

Tgt Ion:	43	Resp:	6552
Ion	Ratio	Lower	Upper
43	100		
72	19.2	19.5	29.3#

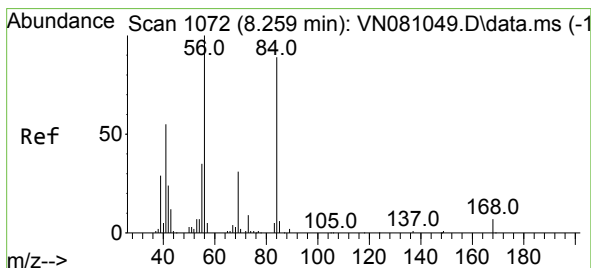
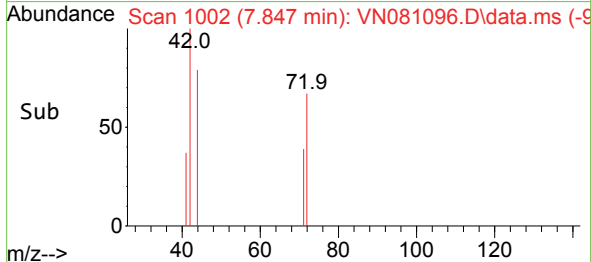
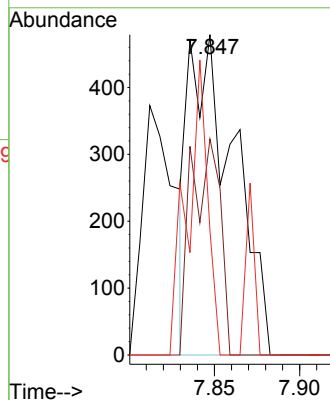
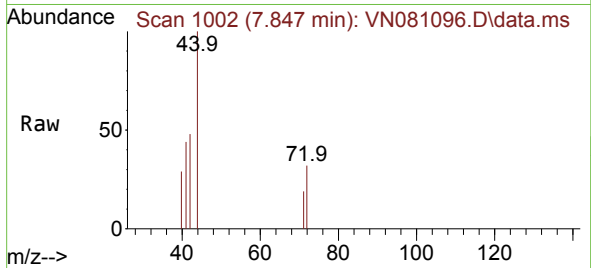




#29
Tetrahydrofuran
Concen: 0.513 ug/l
RT: 7.847 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

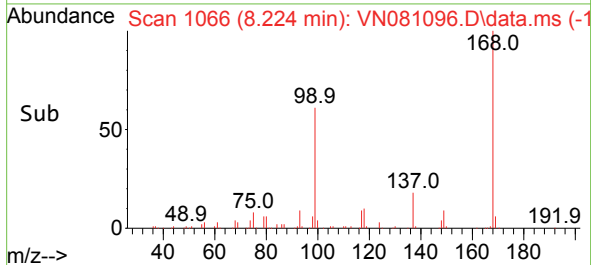
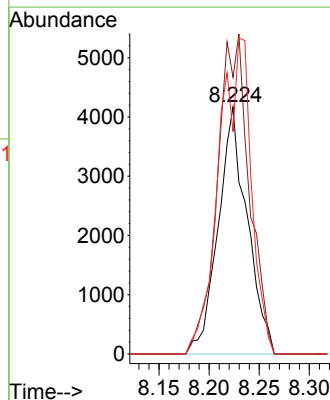
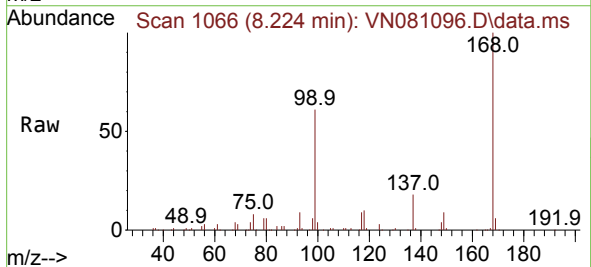
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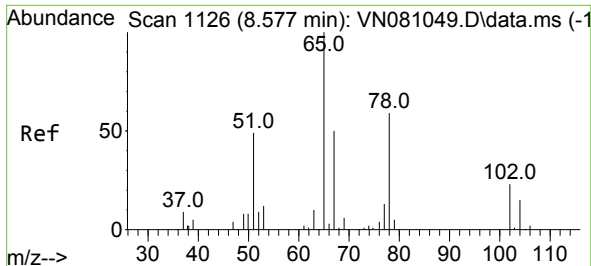
Tgt Ion: 42 Resp: 888
Ion Ratio Lower Upper
42 100
72 43.0 31.1 46.7
71 41.2 28.3 42.5



#31
Cyclohexane
Concen: 1.188 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

Tgt Ion: 56 Resp: 8372
Ion Ratio Lower Upper
56 100
69 112.1 20.1 30.1#
84 90.1 56.9 85.3#

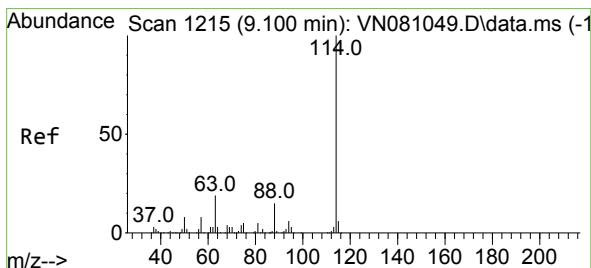
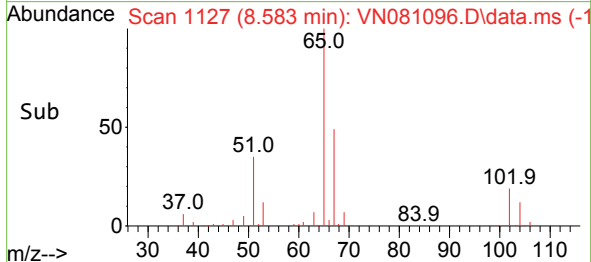
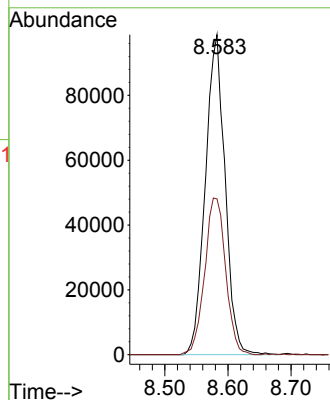
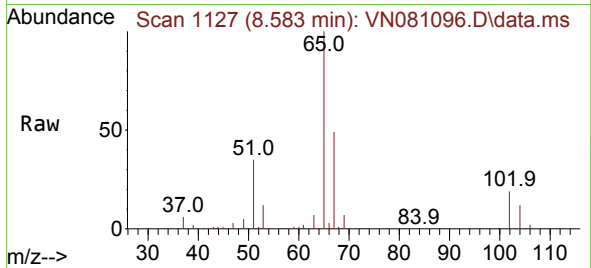




#33
 1,2-Dichloroethane-d4
 Concen: 52.396 ug/l
 RT: 8.583 min Scan# 1126
 Delta R.T. 0.006 min
 Lab File: VN081096.D
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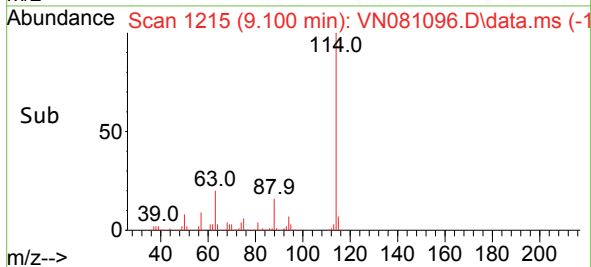
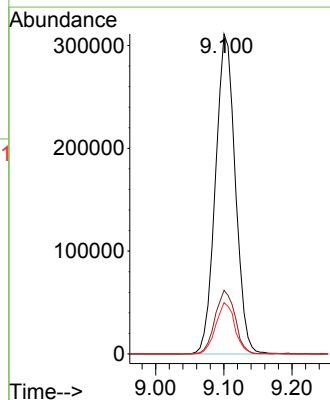
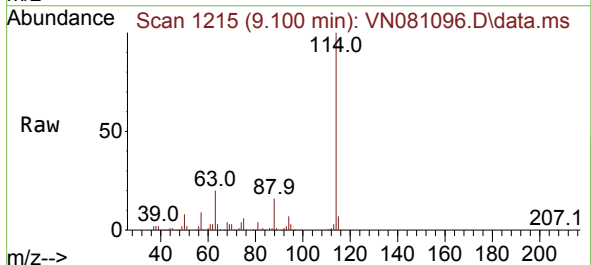
Instrument :
 MSVOA_N
 ClientSampleId :
 ETGI-343

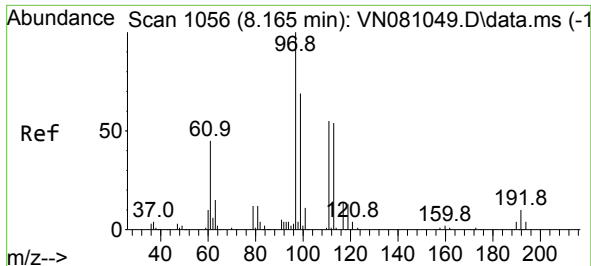
Tgt Ion: 65 Resp: 213871
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN081096.D
 Acq: 20 Feb 2024 14:18

Tgt Ion: 114 Resp: 629679
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 48.0
 88 16.1 0.0 34.8

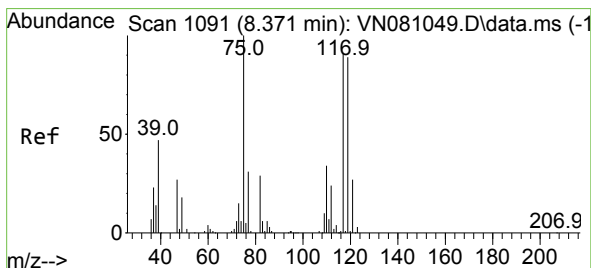
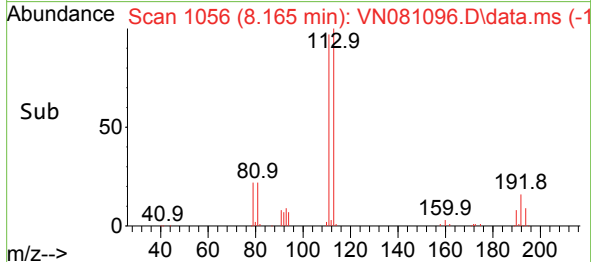
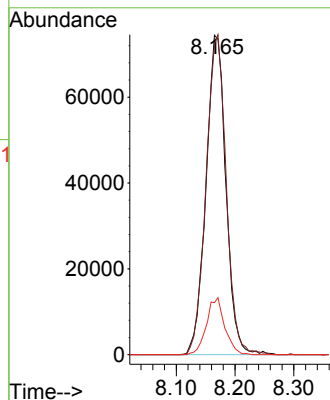
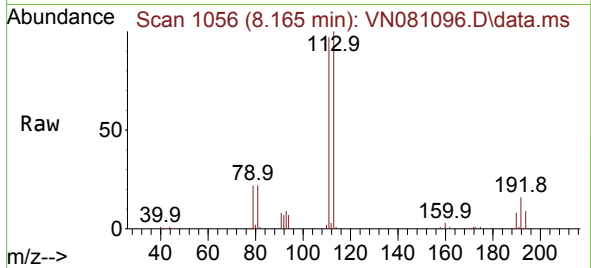




#35
Dibromofluoromethane
Concen: 49.266 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

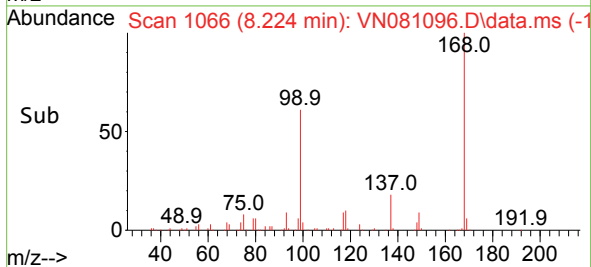
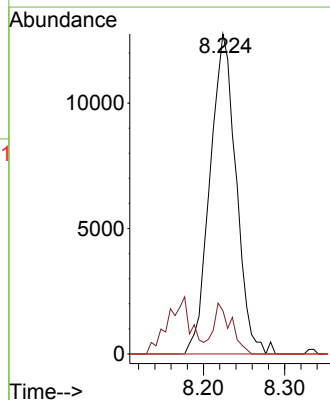
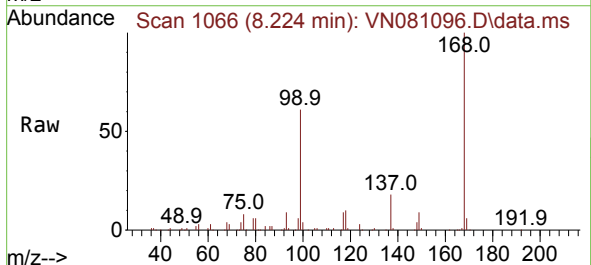
Instrument :
MSVOA_N
ClientSampleId :
ETGI-343

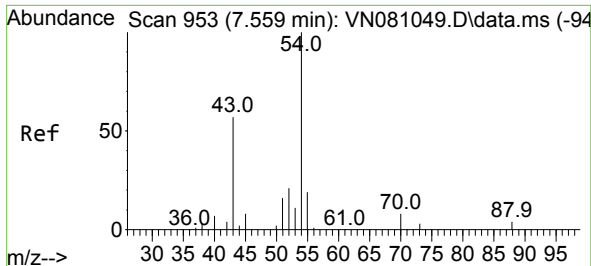
Tgt Ion:113 Resp: 175417
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.4
192 16.3 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.674 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

Tgt Ion: 75 Resp: 28515
Ion Ratio Lower Upper
75 100
110 11.0 16.0 48.0#
77 0.0 25.8 38.6#





#37

Ethyl Acetate

Concen: 1.147 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN081096.D

Acq: 20 Feb 2024 14:18

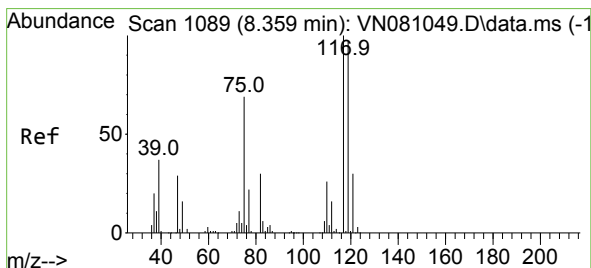
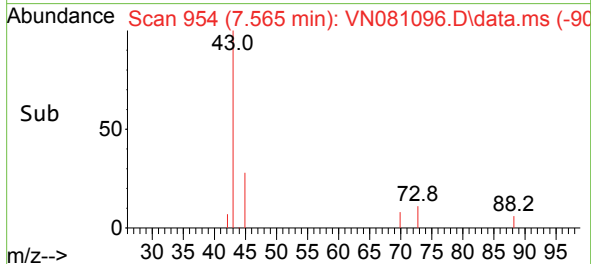
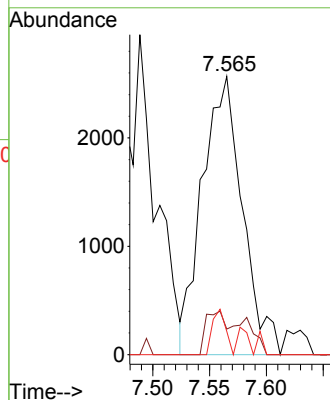
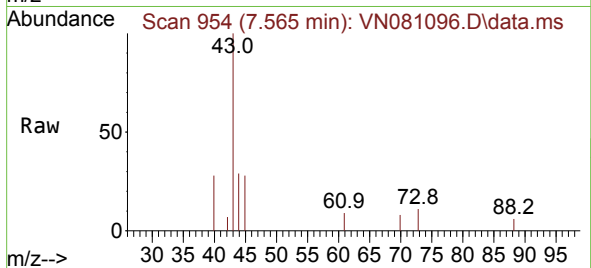
Instrument :

MSVOA_N

ClientSampleId :

ETGI-343

Tgt Ion: 43	Resp:	6317
Ion	Ratio	Lower Upper
43	100	
61	9.2	10.6 15.8#
70	5.4	8.0 12.0#



#38

Carbon Tetrachloride

Concen: 5.953 ug/l

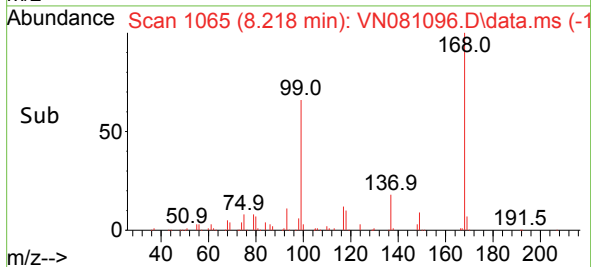
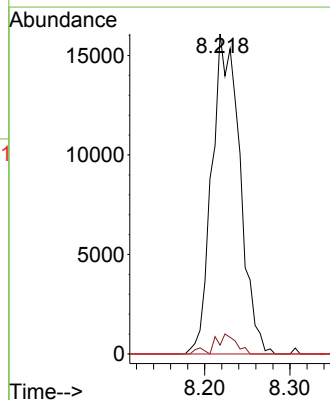
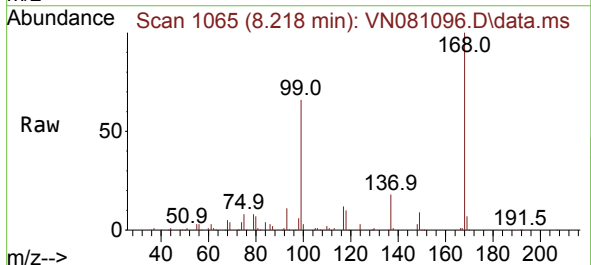
RT: 8.218 min Scan# 1065

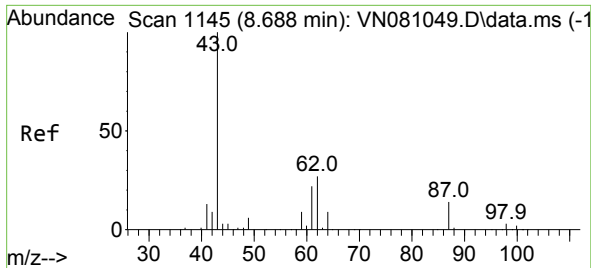
Delta R.T. -0.141 min

Lab File: VN081096.D

Acq: 20 Feb 2024 14:18

Tgt Ion: 117	Resp:	36737
Ion	Ratio	Lower Upper
117	100	
119	2.7	73.4 110.2#
121	0.0	24.4 36.6#

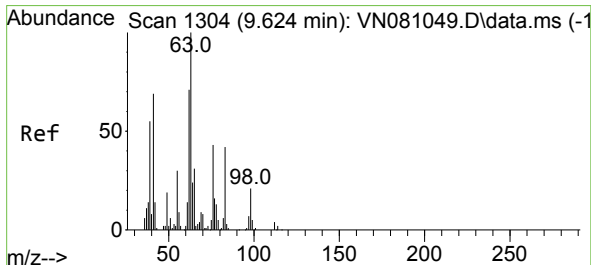
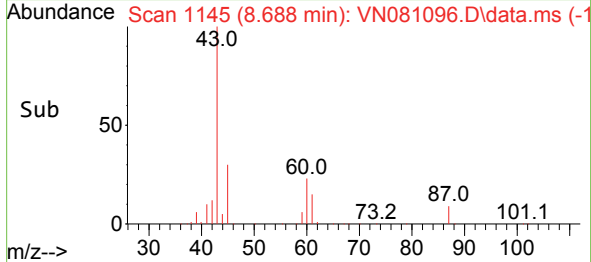
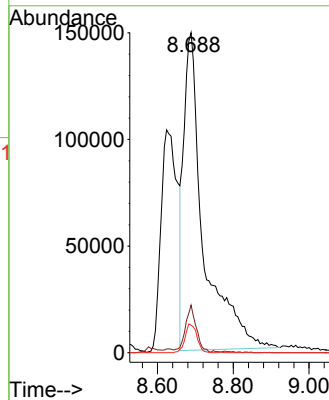
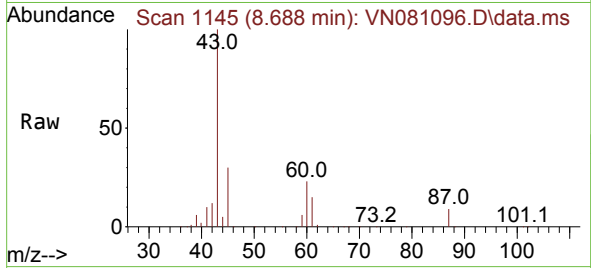




#43
Isopropyl Acetate
Concen: 56.499 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

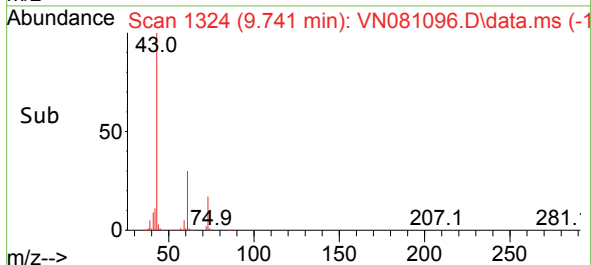
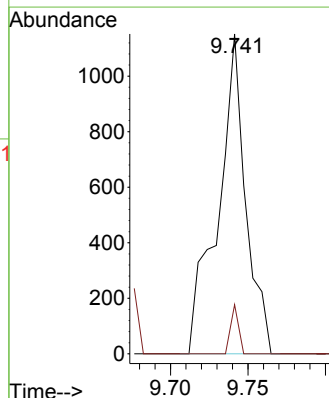
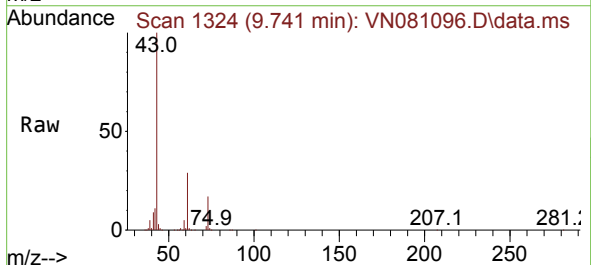
Instrument :
MSVOA_N
ClientSampleId :
ETGI-343

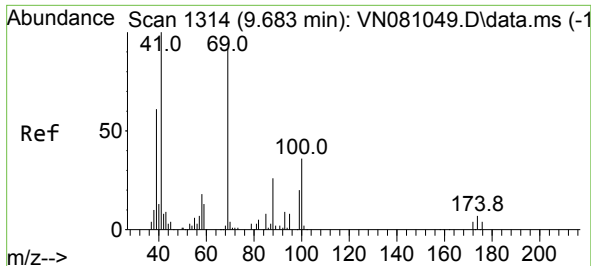
Tgt Ion: 43 Resp: 544009
Ion Ratio Lower Upper
43 100
61 8.3 19.9 29.9#
87 5.3 9.0 13.6#



#45
1,2-Dichloropropane
Concen: 0.325 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

Tgt Ion: 63 Resp: 1437
Ion Ratio Lower Upper
63 100
65 15.4 26.1 39.1#

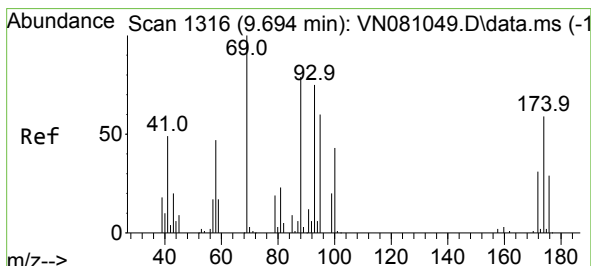
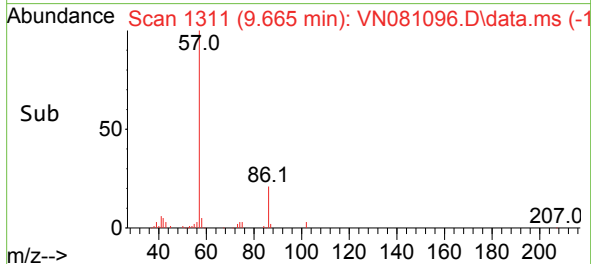
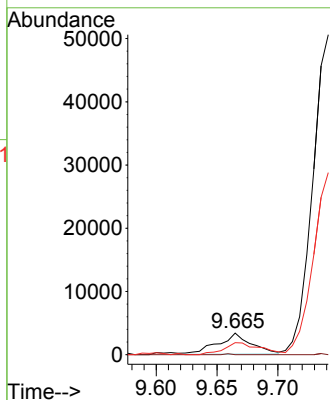
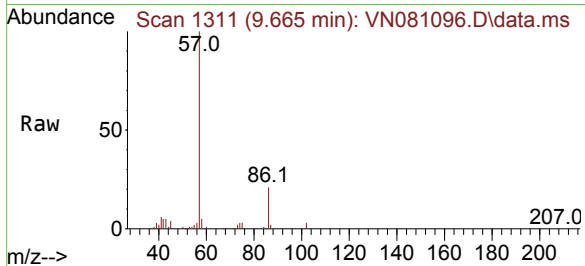




#48
Methyl methacrylate
Concen: 1.427 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

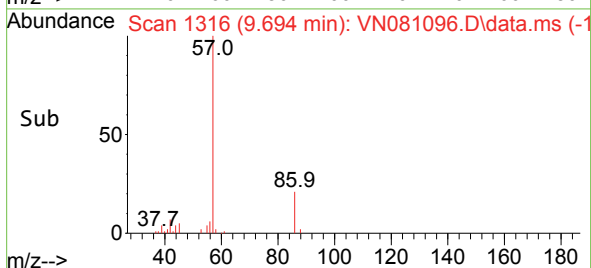
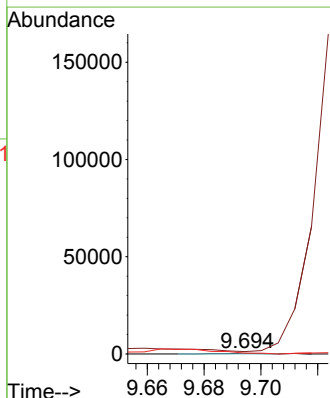
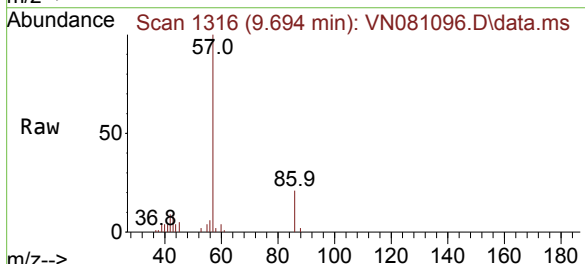
Instrument :
MSVOA_N
ClientSampleId :
ETGI-343

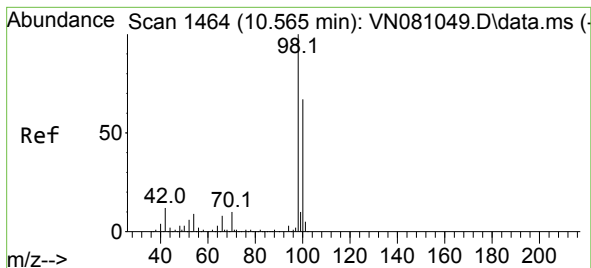
Tgt Ion: 41 Resp: 6393
Ion Ratio Lower Upper
41 100
69 0.8 62.2 93.2#
39 62.6 47.6 71.4



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

Tgt Ion: 88 Resp: 305
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 63.9 95.9#





#50

Toluene-d8

Concen: 47.411 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN081096.D

Acq: 20 Feb 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

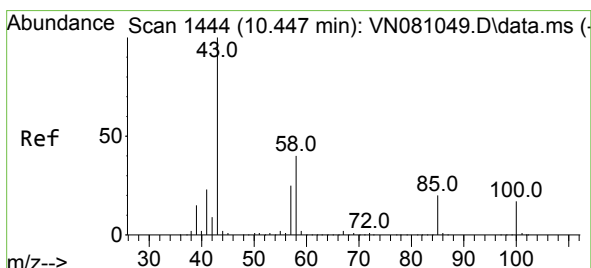
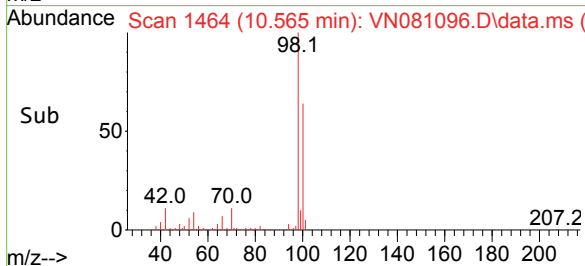
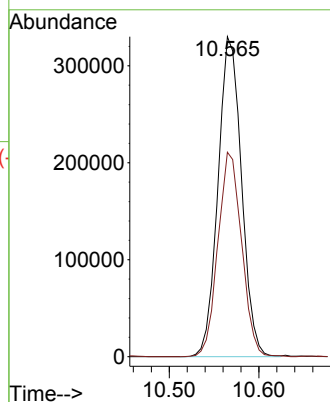
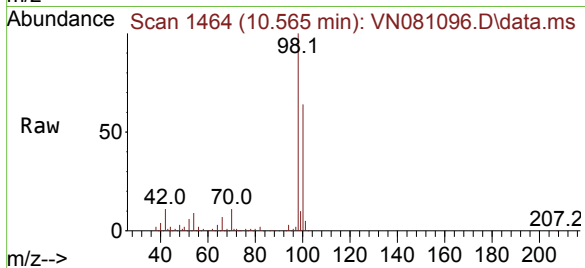
ETGI-343

Tgt Ion: 98 Resp: 599583

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 3.308 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN081096.D

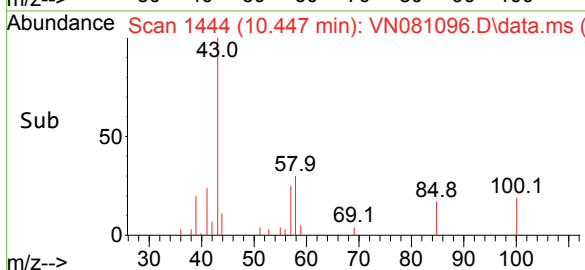
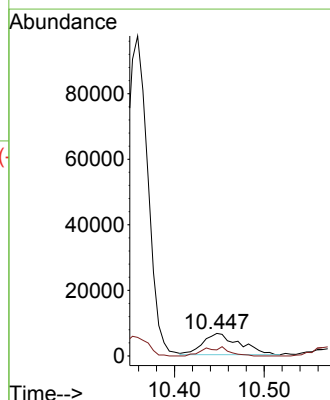
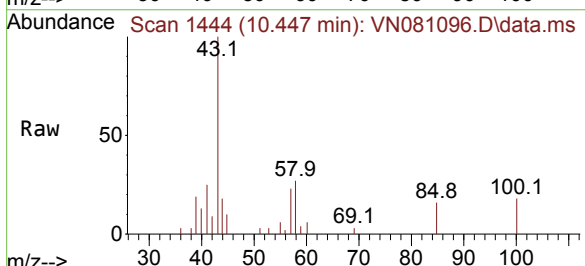
Acq: 20 Feb 2024 14:18

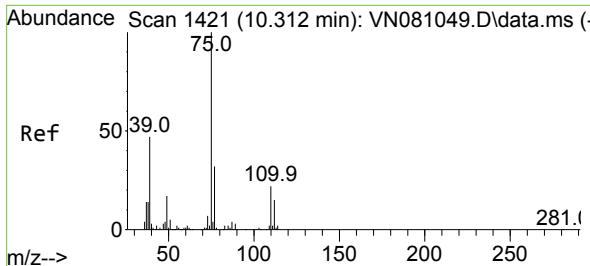
Tgt Ion: 43 Resp: 18324

Ion Ratio Lower Upper

43 100

58 29.7 29.4 44.0

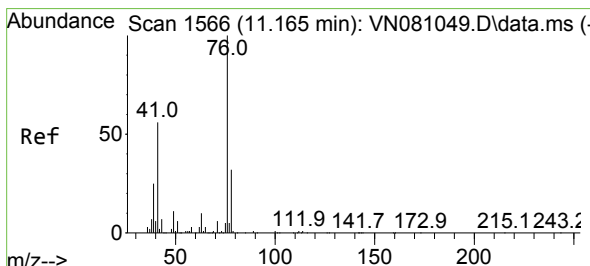
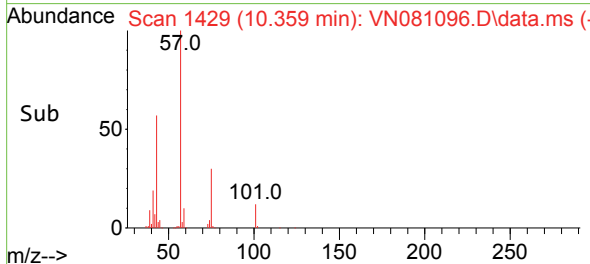
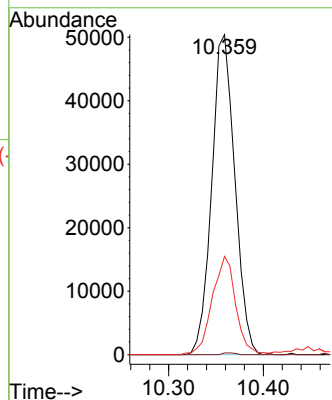
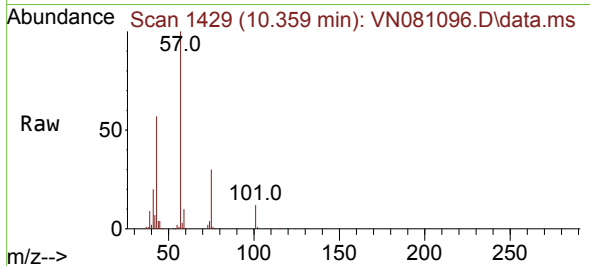




#54
 cis-1,3-Dichloropropene
 Concen: 11.699 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081096.D
 Acq: 20 Feb 2024 14:18

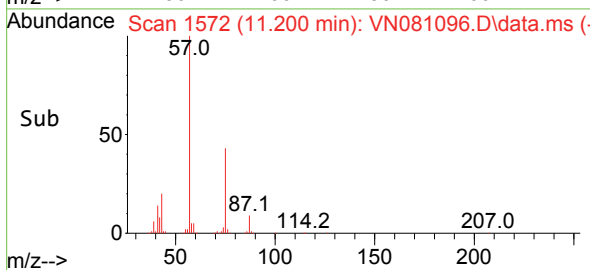
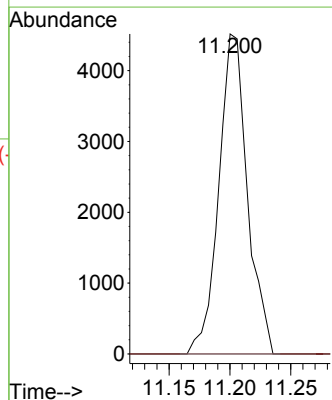
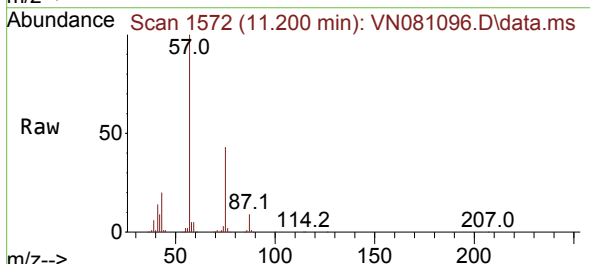
Instrument :
 MSVOA_N
 ClientSampleId :
 ETGI-343

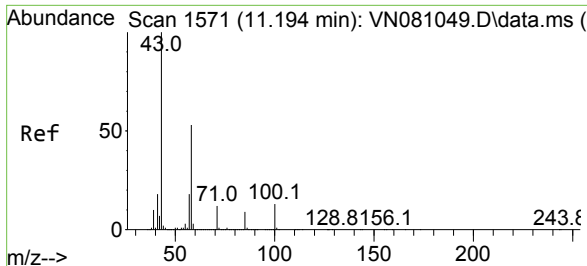
Tgt Ion: 75 Resp: 85610
 Ion Ratio Lower Upper
 75 100
 77 0.6 23.3 34.9#
 39 30.7 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 0.994 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.035 min
 Lab File: VN081096.D
 Acq: 20 Feb 2024 14:18

Tgt Ion: 76 Resp: 7388
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

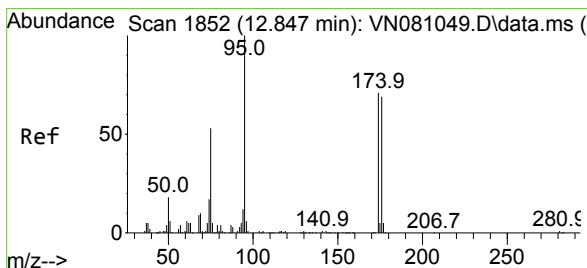
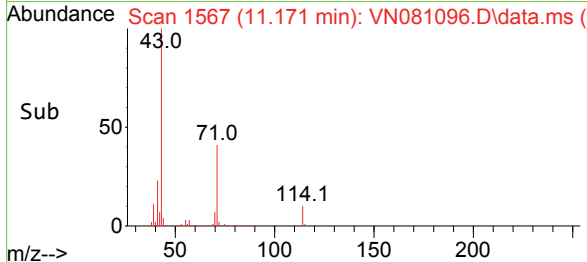
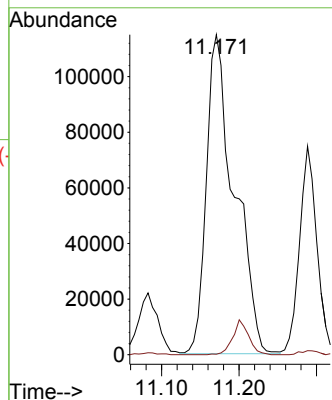
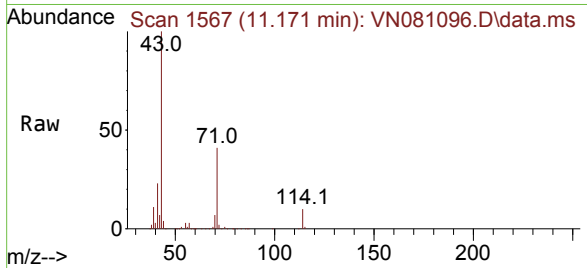




#59
2-Hexanone
Concen: 65.650 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

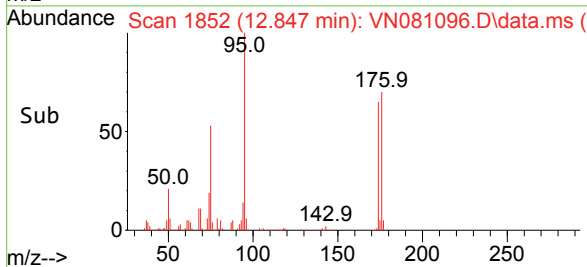
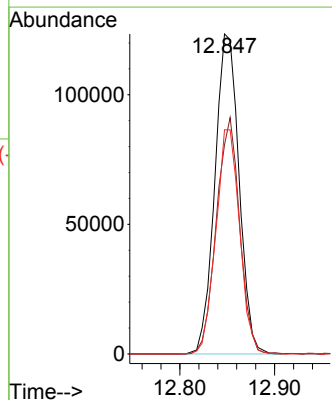
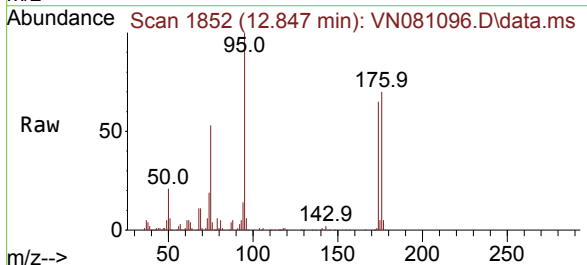
Instrument :
MSVOA_N
ClientSampleId :
ETGI-343

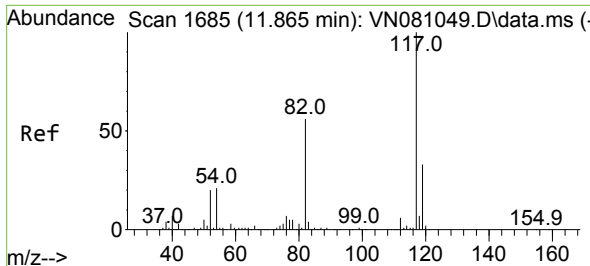
Tgt Ion: 43 Resp: 288285
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 46.002 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

Tgt Ion: 95 Resp: 218601
Ion Ratio Lower Upper
95 100
174 71.2 0.0 120.4
176 69.1 0.0 121.0

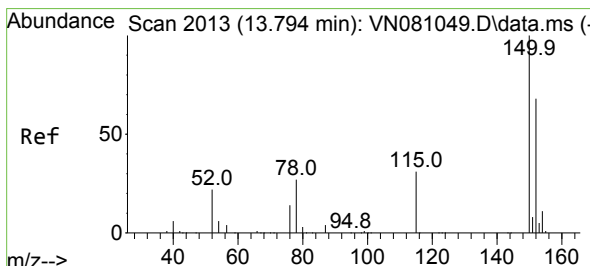
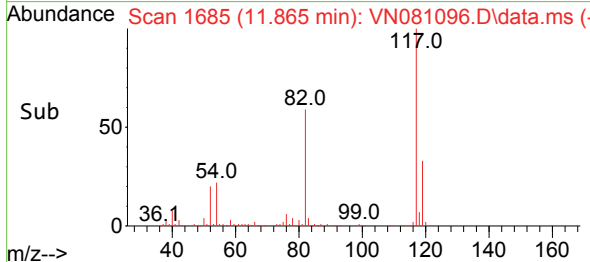
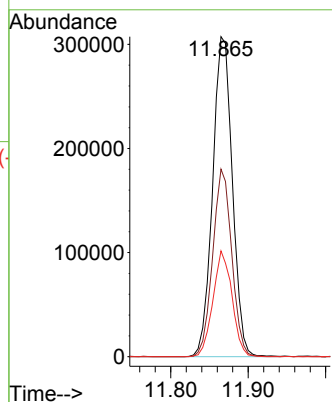
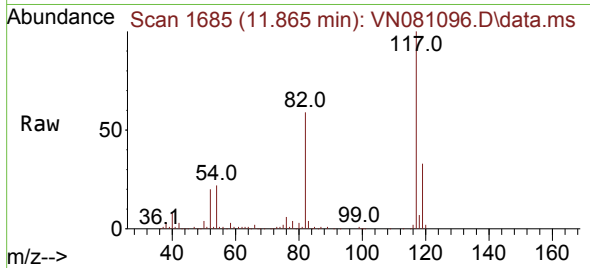




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

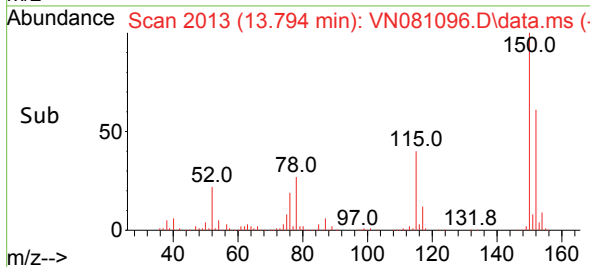
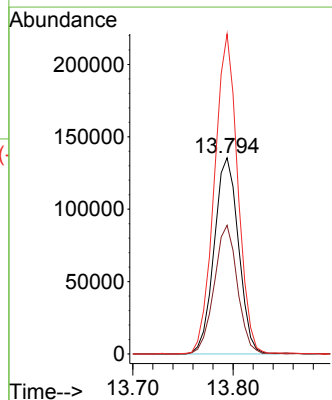
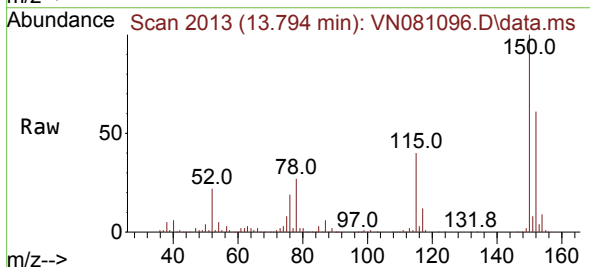
Instrument :
MSVOA_N
ClientSampleId :
ETGI-343

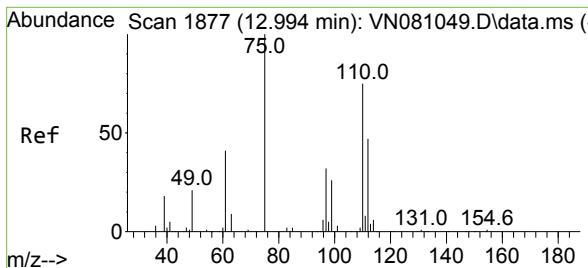
Tgt Ion:117 Resp: 543507
Ion Ratio Lower Upper
117 100
82 58.6 52.7 79.1
119 33.1 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081096.D
Acq: 20 Feb 2024 14:18

Tgt Ion:152 Resp: 228204
Ion Ratio Lower Upper
152 100
115 62.7 32.3 96.8
150 157.1 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 22.073 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081096.D

Acq: 20 Feb 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

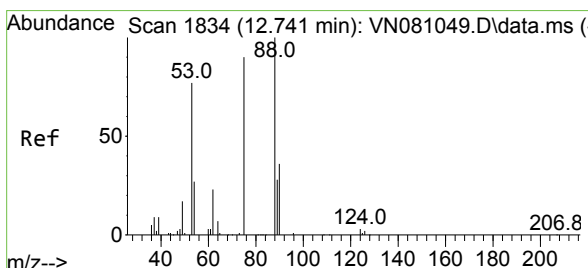
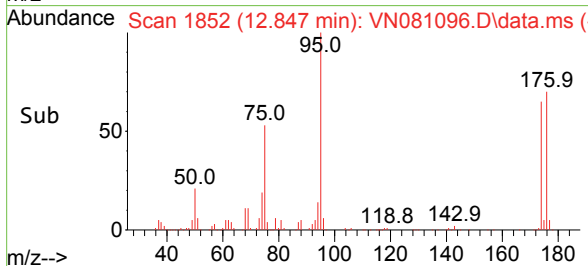
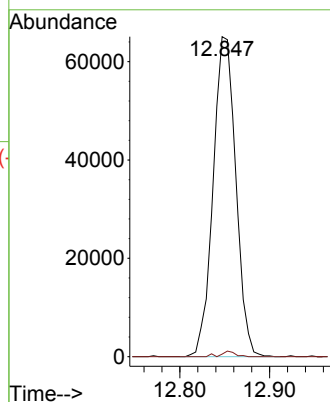
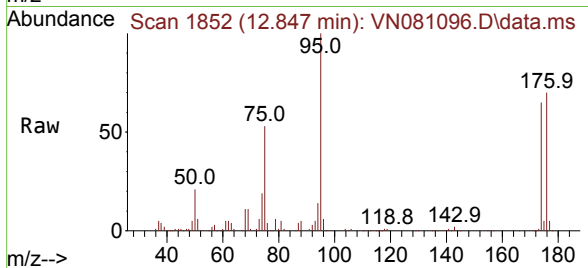
ETGI-343

Tgt Ion: 75 Resp: 114448

Ion Ratio Lower Upper

75 100

77 1.1 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.814 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN081096.D

Acq: 20 Feb 2024 14:18

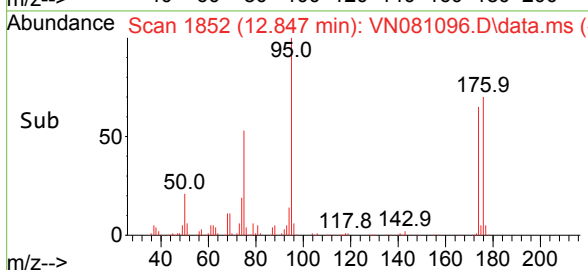
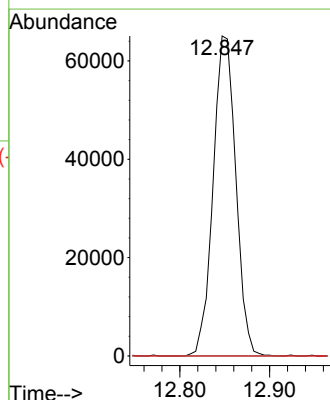
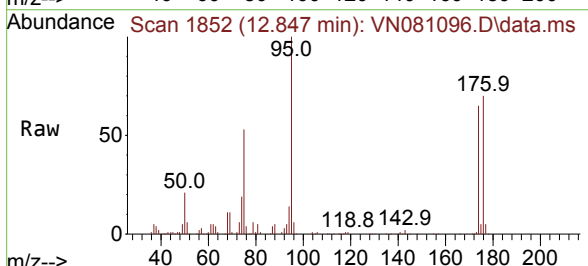
Tgt Ion: 75 Resp: 114448

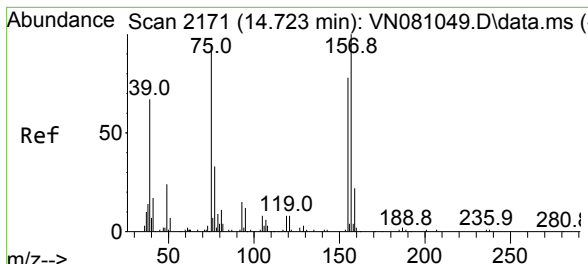
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.0 33.4 50.0#

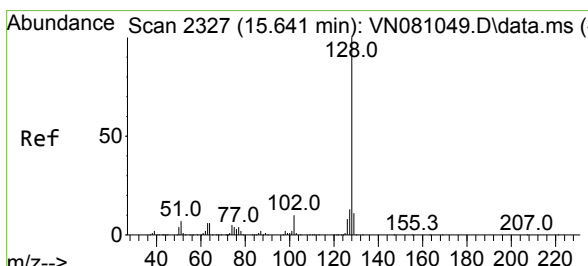
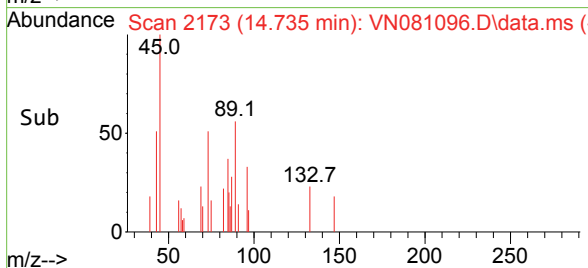
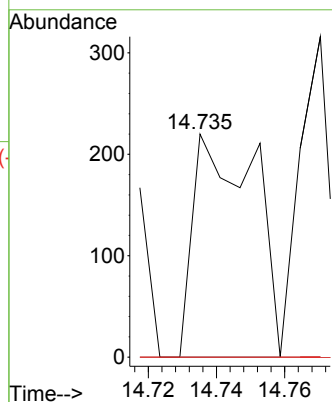
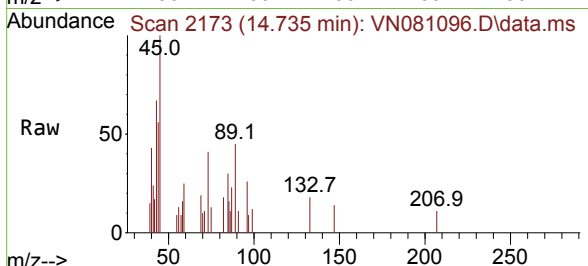




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.234 ug/l
 RT: 14.735 min Scan# 2173
 Delta R.T. 0.012 min
 Lab File: VN081096.D
 Acq: 20 Feb 2024 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ETGI-343

Tgt Ion: 75 Resp: 273
 Ion Ratio Lower Upper
 75 100
 155 0.0 31.8 95.4#
 157 0.0 41.1 123.4#



#95
 Naphthalene
 Concen: 0.208 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. 0.000 min
 Lab File: VN081096.D
 Acq: 20 Feb 2024 14:18

Tgt Ion: 128 Resp: 3446
 Ion Ratio Lower Upper
 128 100
 127 14.4 10.0 15.0
 129 7.1 8.7 13.1#

