

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050622\
 Data File : VN072364.D
 Acq On : 06 May 2022 19:00
 Operator : JC\MD
 Sample : N2650-03ME
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ETGI-362ME

Quant Time: May 09 03:16:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

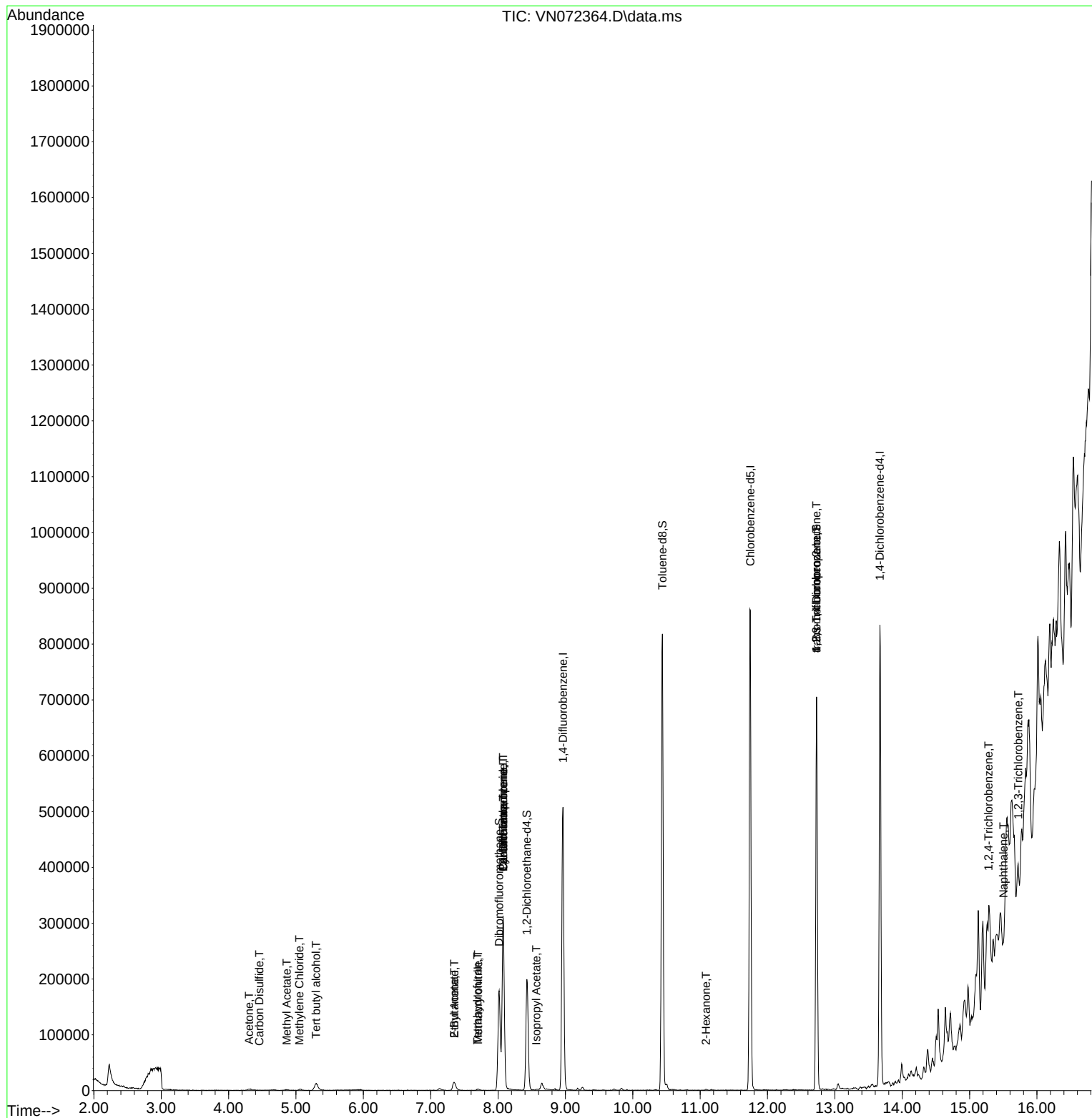
Internal Standards						
1) Pentafluorobenzene	8.075	168	229762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	440796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	491874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	219523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	172651	48.946	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.900%		
35) Dibromofluoromethane	8.016	113	135475	48.018	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.040%		
50) Toluene-d8	10.439	98	565808	51.037	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.080%		
62) 4-Bromofluorobenzene	12.727	95	236214	64.193	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	128.380%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.287	50	818	Below Cal	#	87
5) Bromomethane	2.840	94	64	Below Cal	#	2
6) Chloroethane	3.022	64	348	Below Cal	#	42
11) Tert butyl alcohol	5.298	59	13006	22.437	ug/l #	72
16) Acetone	4.304	43	2990	1.966	ug/l #	83
17) Carbon Disulfide	4.457	76	366	0.433	ug/l #	75
18) Methyl Acetate	4.863	43	2924	0.649	ug/l #	66
20) Methylene Chloride	5.051	84	1738	0.596	ug/l #	67
25) 2-Butanone	7.351	43	29413	12.144	ug/l #	85
29) Tetrahydrofuran	7.692	42	2027	1.275	ug/l #	79
31) Cyclohexane	8.075	56	5118	1.086	ug/l #	1
36) 1,1-Dichloropropene	8.075	75	19813	4.825	ug/l #	50
37) Ethyl Acetate	7.351	43	29413	5.393	ug/l #	67
38) Carbon Tetrachloride	8.075	117	24599	5.593	ug/l #	17
41) Methacrylonitrile	7.704	41	1286	0.466	ug/l #	33
43) Isopropyl Acetate	8.569	43	1175	0.936	ug/l #	53
59) 2-Hexanone	11.086	43	1640	0.452	ug/l	76
75) 1,1,2,2-Tetrachloroethane	12.833	83	80	Below Cal	#	55
76) 1,2,3-Trichloropropane	12.727	75	125836	25.460	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	125836	66.280	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.280	180	2194	3.037	ug/l #	1
95) Naphthalene	15.504	128	9448	5.059	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.721	180	5475	4.211	ug/l #	12

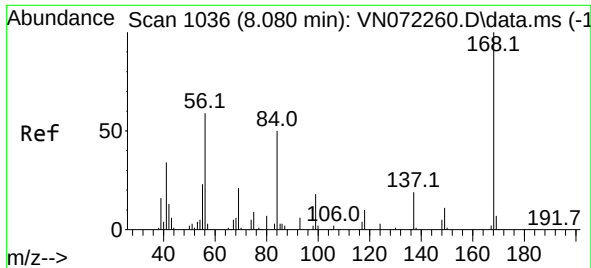
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

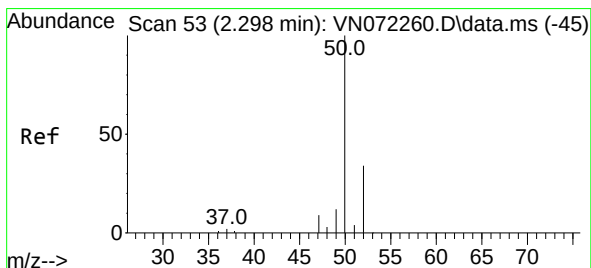
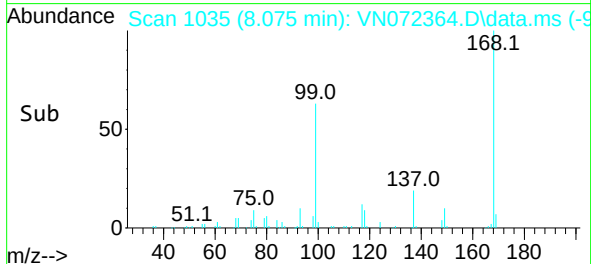
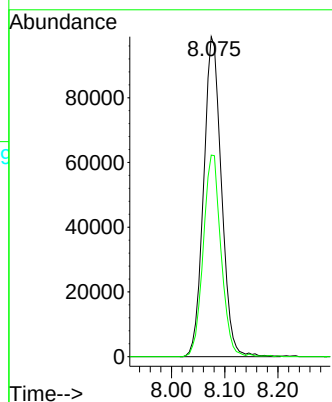
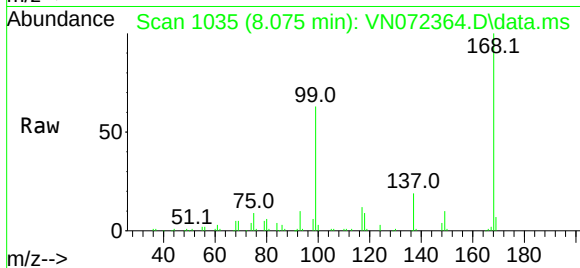




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.075 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

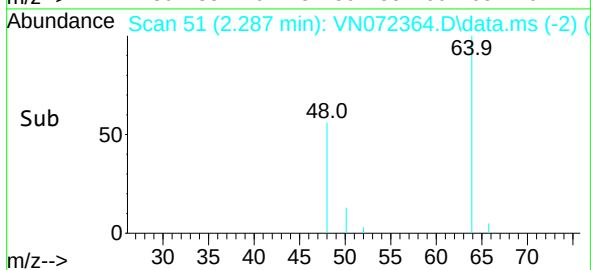
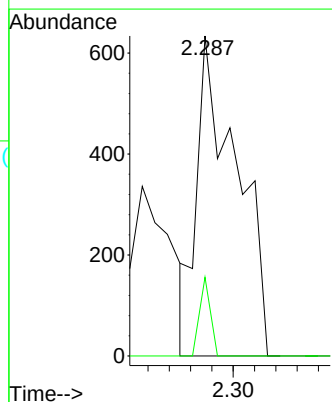
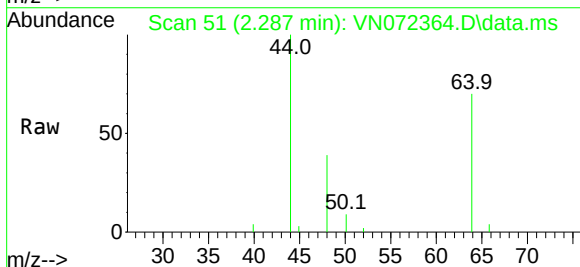
Instrument :
MSVOA_N
ClientSampleId :
ETGI-362ME

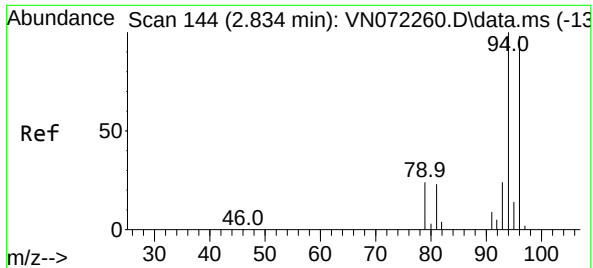
Tgt Ion:168 Resp: 229762
Ion Ratio Lower Upper
168 100
99 63.0 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.287 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

Tgt Ion: 50 Resp: 818
Ion Ratio Lower Upper
50 100
52 24.6 25.7 38.5#





#5

Bromomethane

Concen: Below Cal

RT: 2.840 min Scan# 144

Delta R.T. 0.006 min

Lab File: VN072364.D

Acq: 06 May 2022 19:00

Instrument :

MSVOA_N

ClientSampleId :

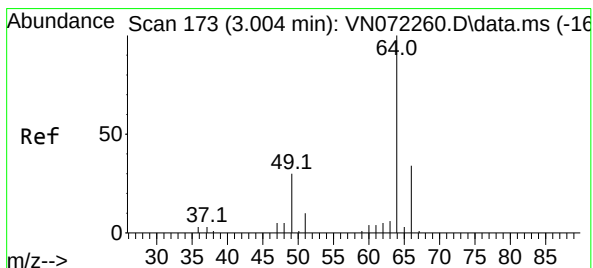
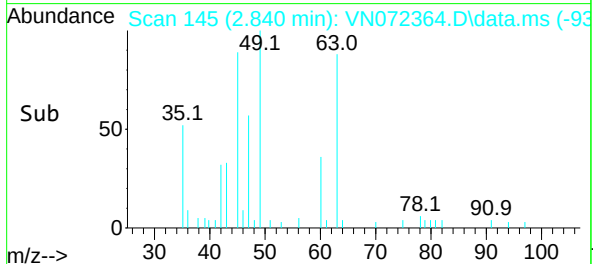
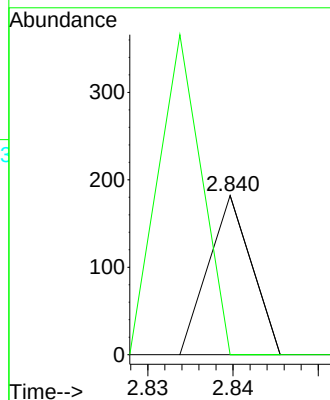
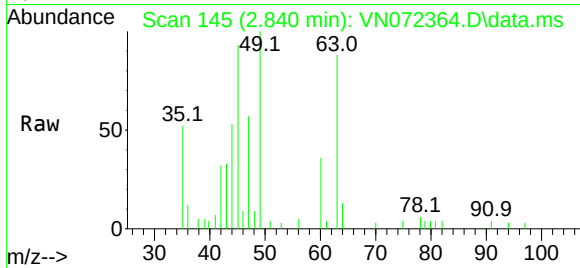
ETGI-362ME

Tgt Ion: 94 Resp: 64

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#



#6

Chloroethane

Concen: Below Cal

RT: 3.022 min Scan# 176

Delta R.T. 0.017 min

Lab File: VN072364.D

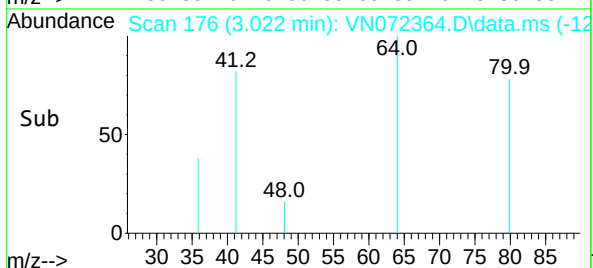
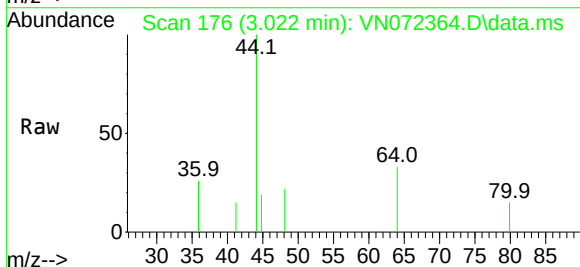
Acq: 06 May 2022 19:00

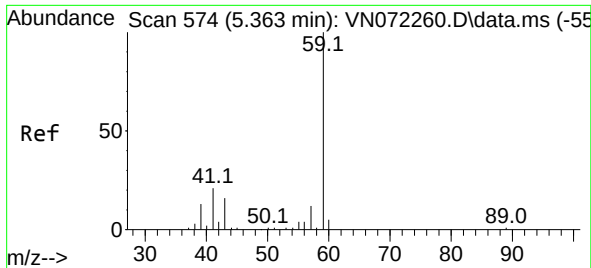
Tgt Ion: 64 Resp: 348

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

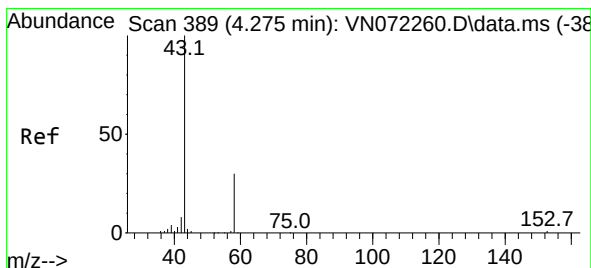
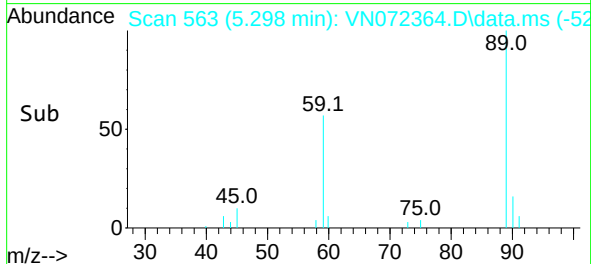
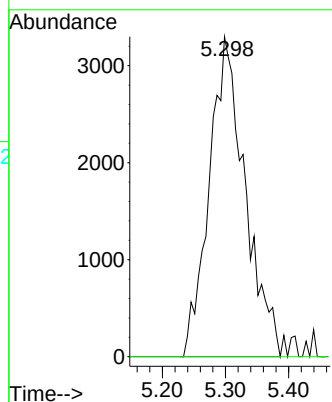
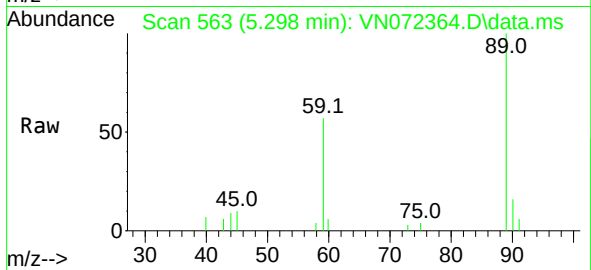




#11
Tert butyl alcohol
Concen: 22.437 ug/l
RT: 5.298 min Scan# 50
Delta R.T. -0.065 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

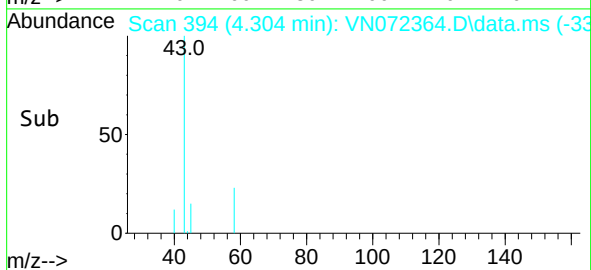
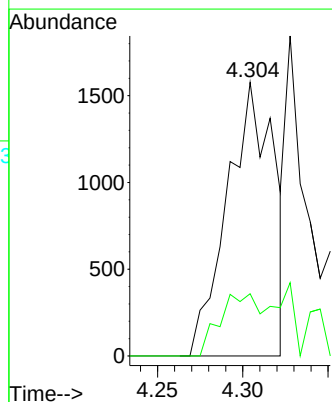
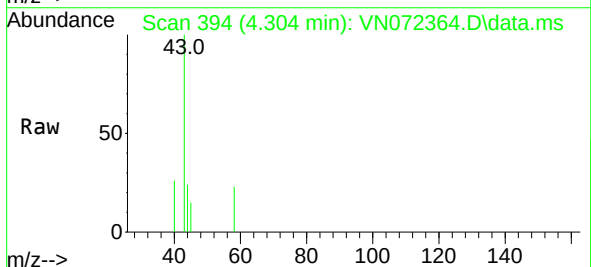
Instrument :
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ETGI-362ME

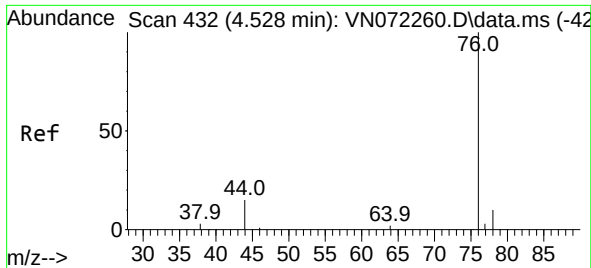
Tgt Ion: 59 Resp: 13006
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.966 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.023 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

Tgt Ion: 43 Resp: 2990
Ion Ratio Lower Upper
43 100
58 22.8 26.0 39.0#

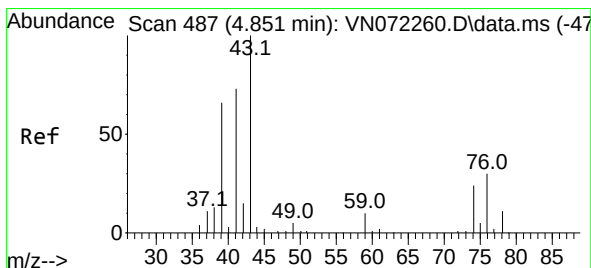
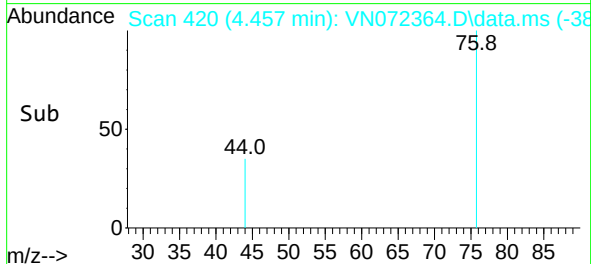
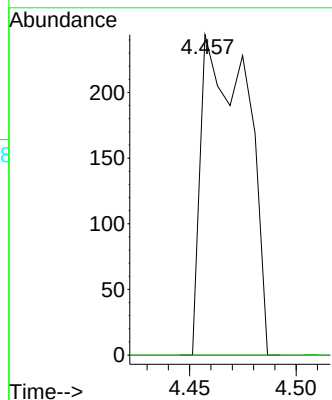
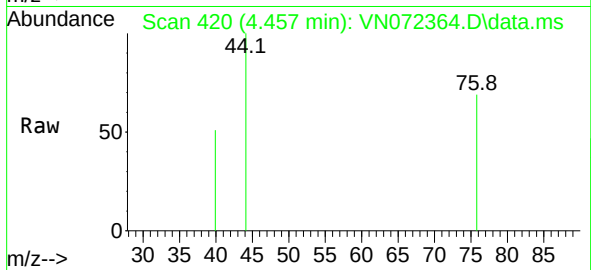




#17
Carbon Disulfide
Concen: 0.433 ug/l
RT: 4.457 min Scan# 411
Delta R.T. -0.077 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

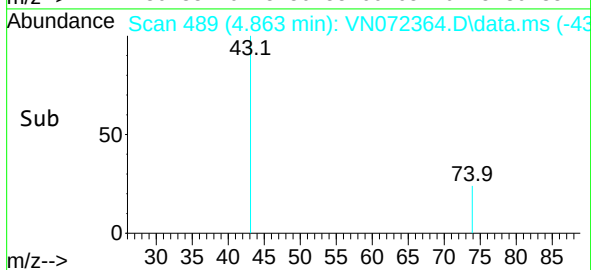
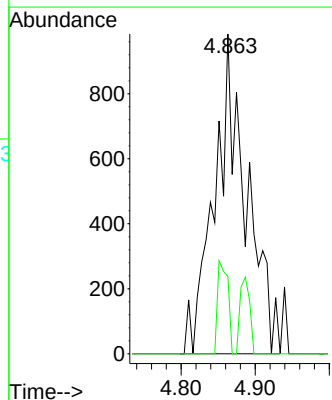
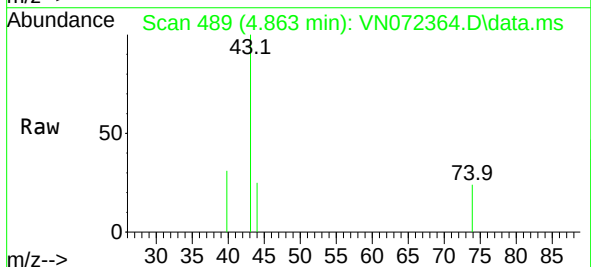
Instrument :
MSVOA_N
ClientSampleId :
ETGI-362ME

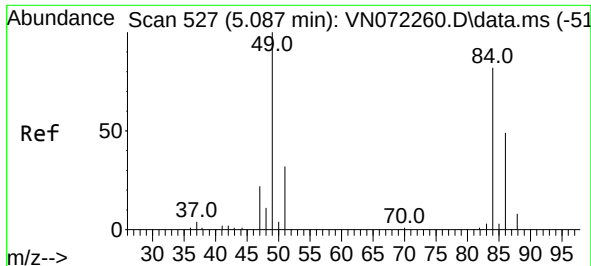
Tgt Ion: 76 Resp: 366
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.649 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

Tgt Ion: 43 Resp: 2924
Ion Ratio Lower Upper
43 100
74 9.4 21.6 32.4#



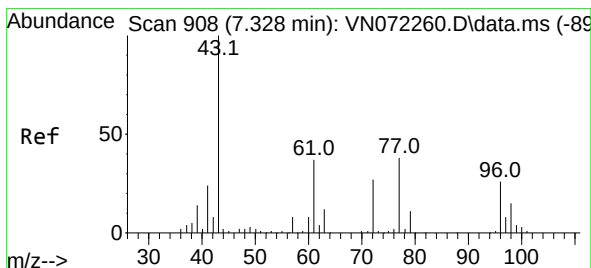
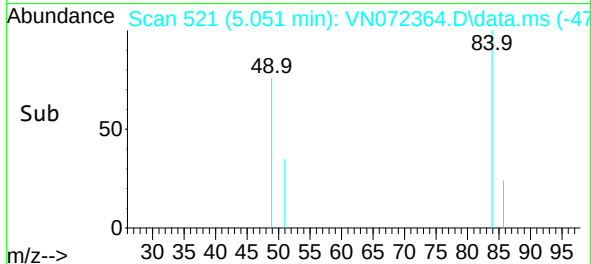
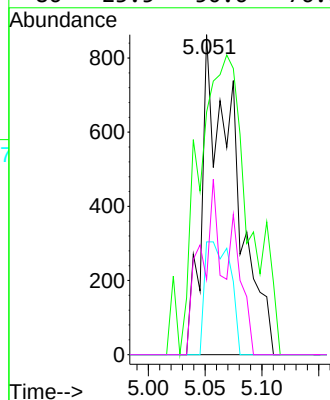
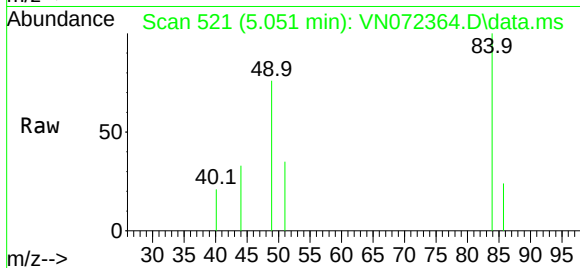


#20
Methylene Chloride
Concen: 0.596 ug/l
RT: 5.051 min Scan# 51
Delta R.T. -0.036 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

Instrument :
MSVOA_N
ClientSampleId :
ETGI-362ME

Tgt Ion: 84 Resp: 1738

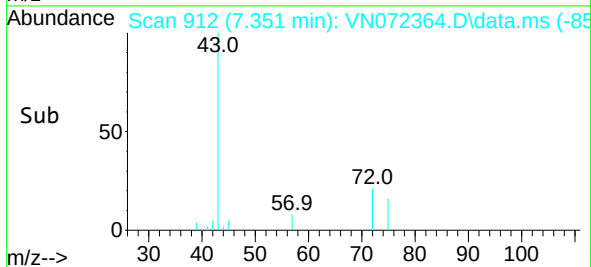
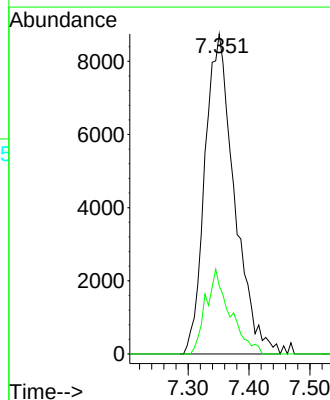
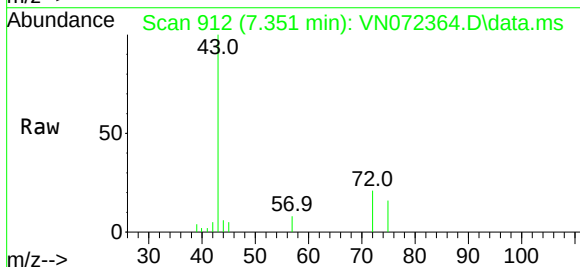
Ion	Ratio	Lower	Upper
84	100		
49	75.8	88.3	132.5#
51	35.2	28.2	42.2
86	23.5	50.6	76.0#

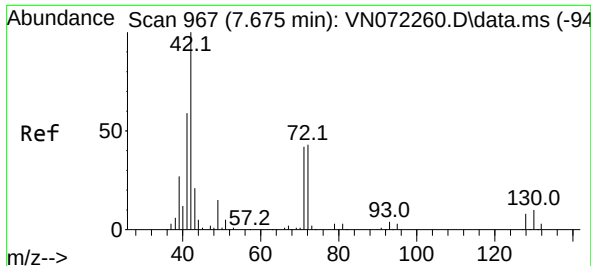


#25
2-Butanone
Concen: 12.144 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.023 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

Tgt Ion: 43 Resp: 29413

Ion	Ratio	Lower	Upper
43	100		
72	21.3	23.7	35.5#





#29

Tetrahydrofuran

Concen: 1.275 ug/l

RT: 7.692 min Scan# 91

Delta R.T. 0.011 min

Lab File: VN072364.D

Acq: 06 May 2022 19:00

Instrument :

MSVOA_N

ClientSampleId :

ETGI-362ME

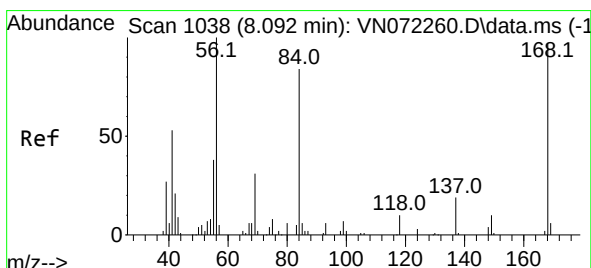
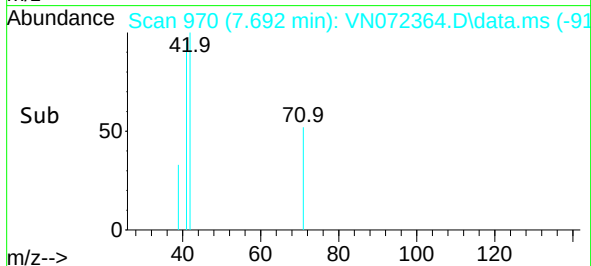
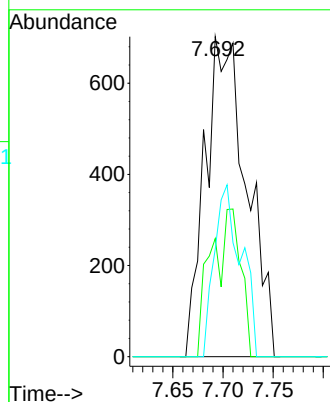
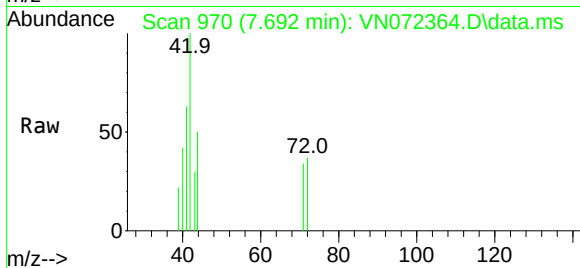
Tgt Ion: 42 Resp: 2027

Ion Ratio Lower Upper

42 100

72 32.5 39.7 59.5#

71 34.5 36.6 55.0#



#31

Cyclohexane

Concen: 1.086 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.017 min

Lab File: VN072364.D

Acq: 06 May 2022 19:00

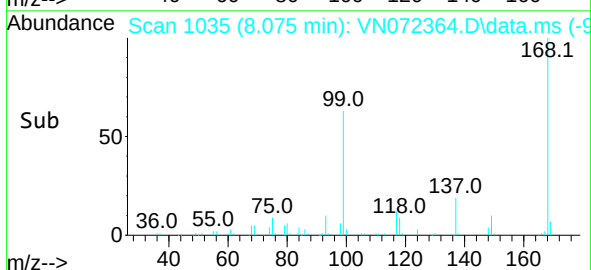
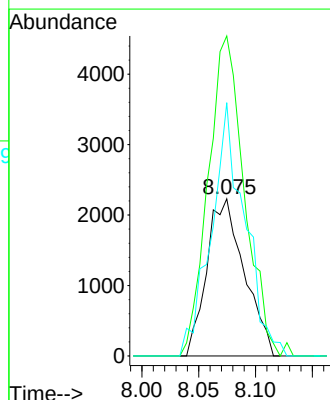
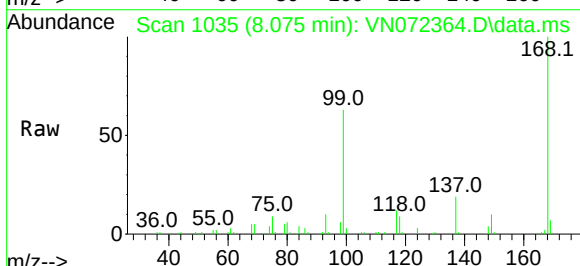
Tgt Ion: 56 Resp: 5118

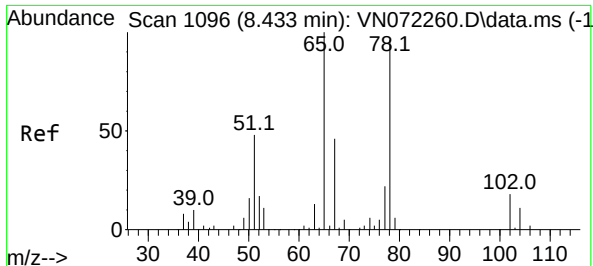
Ion Ratio Lower Upper

56 100

69 203.7 27.8 41.8#

84 161.2 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.946 ug/l

RT: 8.428 min Scan# 1095

Delta R.T. -0.006 min

Lab File: VN072364.D

Acq: 06 May 2022 19:00

Instrument :

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ClientSampleId :

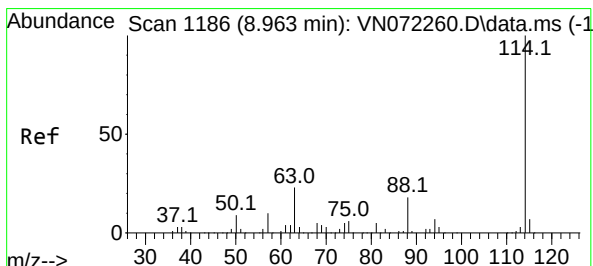
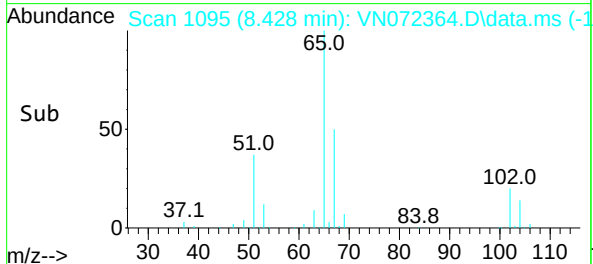
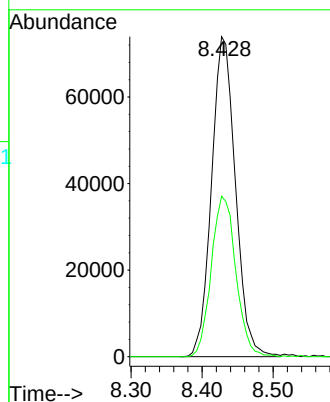
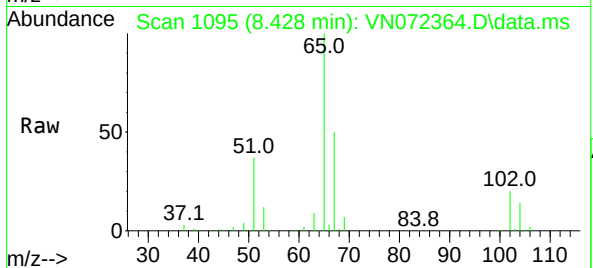
ETGI-362ME

Tgt Ion: 65 Resp: 172651

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072364.D

Acq: 06 May 2022 19:00

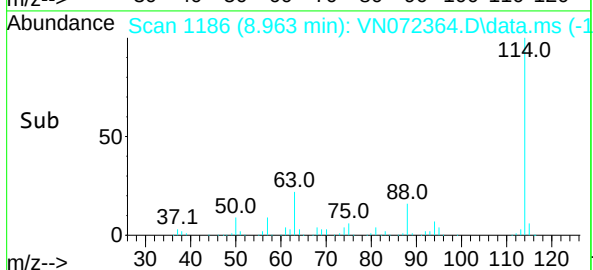
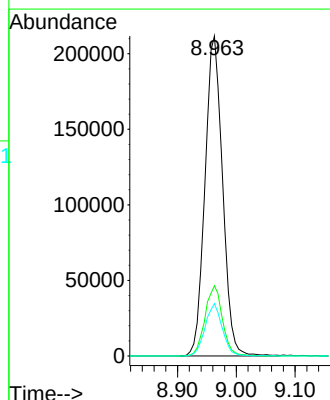
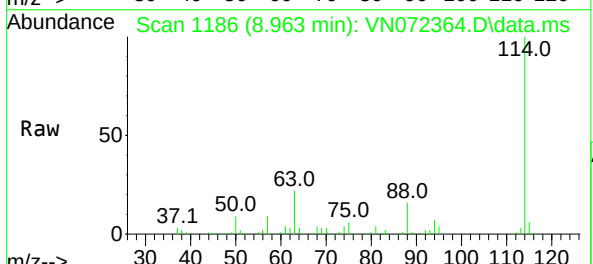
Tgt Ion: 114 Resp: 440796

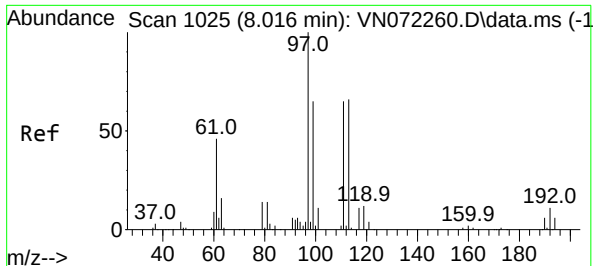
Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.0

88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.018 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072364.D

Acq: 06 May 2022 19:00

Instrument :

MSVOA_N

ClientSampleId :

ETGI-362ME

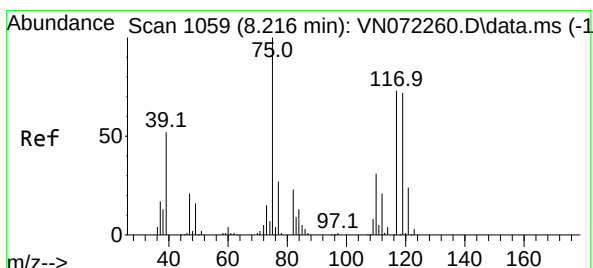
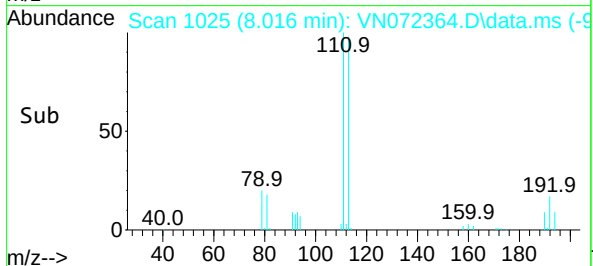
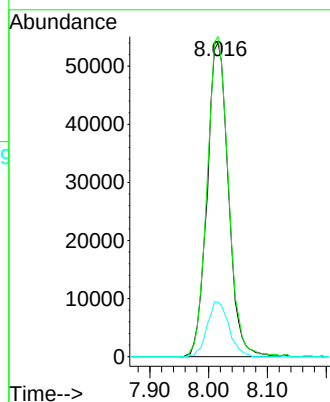
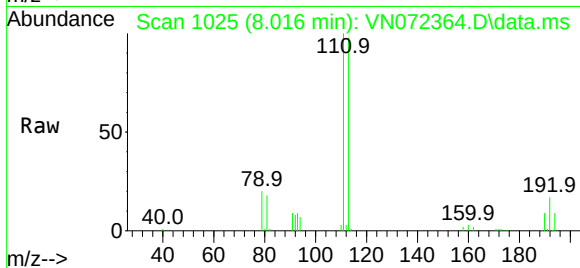
Tgt Ion:113 Resp: 135475

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 17.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.825 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.141 min

Lab File: VN072364.D

Acq: 06 May 2022 19:00

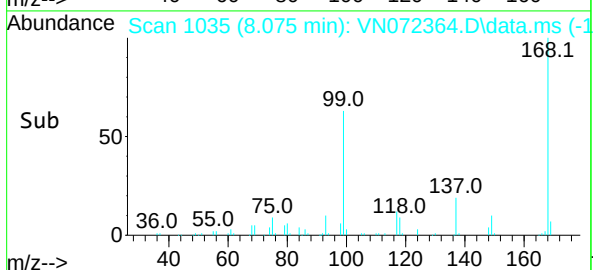
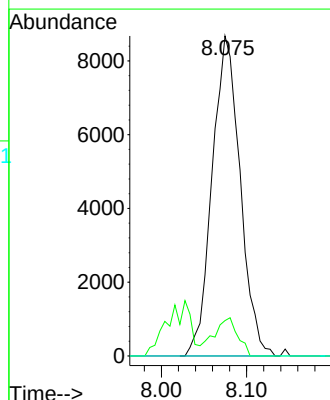
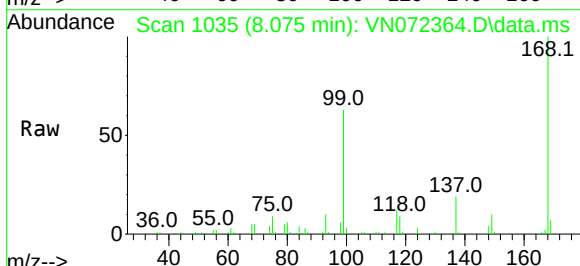
Tgt Ion: 75 Resp: 19813

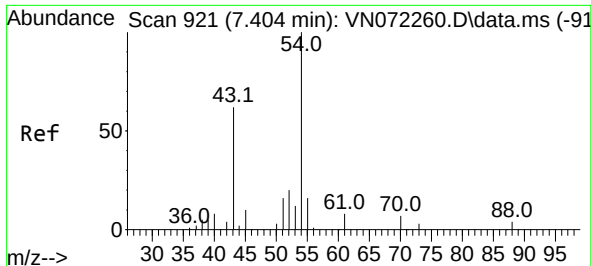
Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

77 0.0 25.1 37.7#

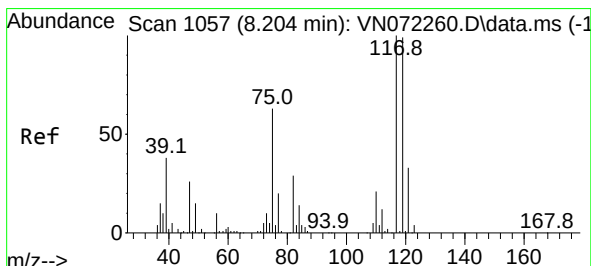
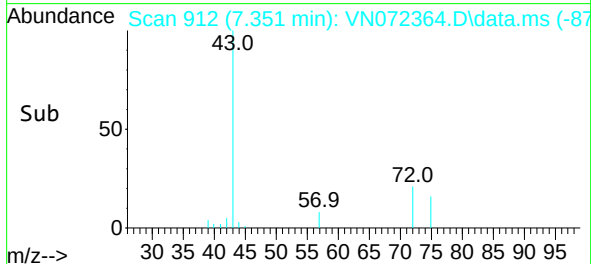
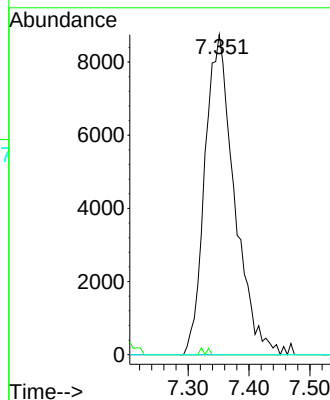
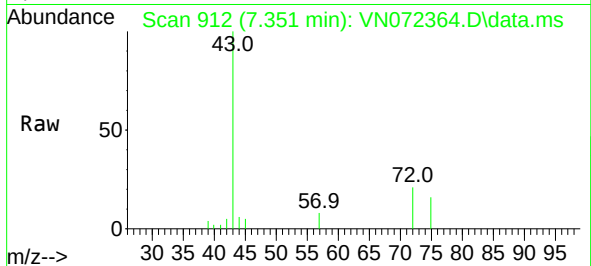




#37
Ethyl Acetate
Concen: 5.393 ug/l
RT: 7.351 min Scan# 91
Delta R.T. -0.059 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

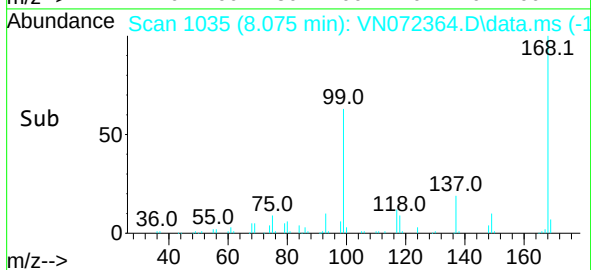
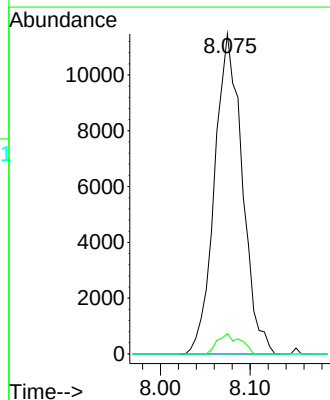
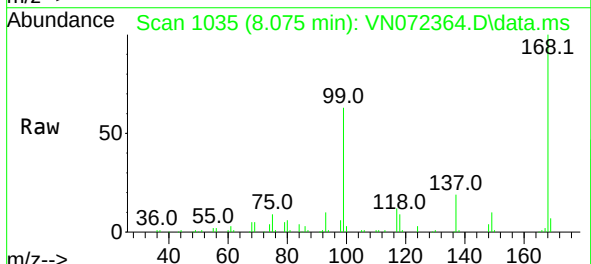
Instrument :
MSVOA_N
ClientSampleId :
ETGI-362ME

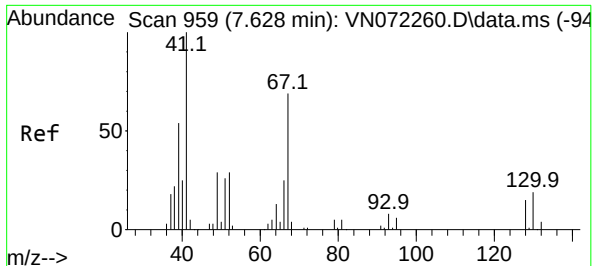
Tgt Ion: 43 Resp: 29413
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.593 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.129 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

Tgt Ion: 117 Resp: 24599
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.8#
121 0.0 24.6 37.0#

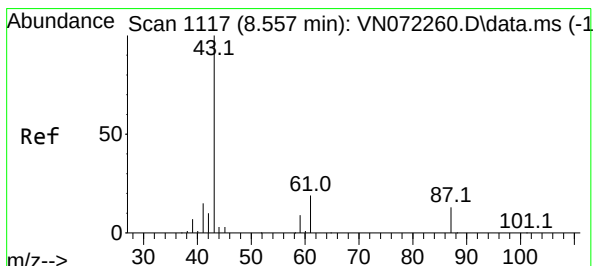
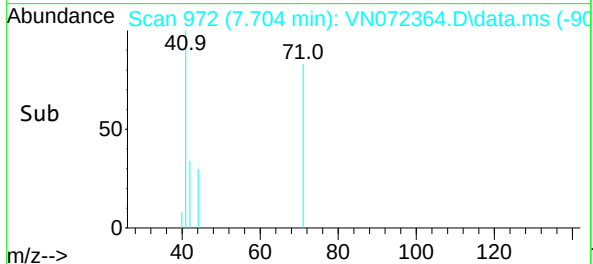
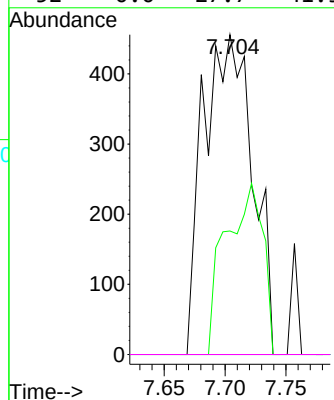
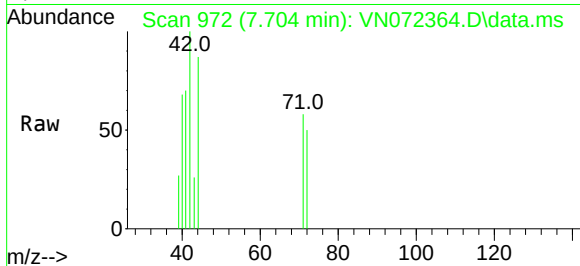




#41
Methacrylonitrile
Concen: 0.466 ug/l
RT: 7.704 min Scan# 91
Delta R.T. 0.070 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

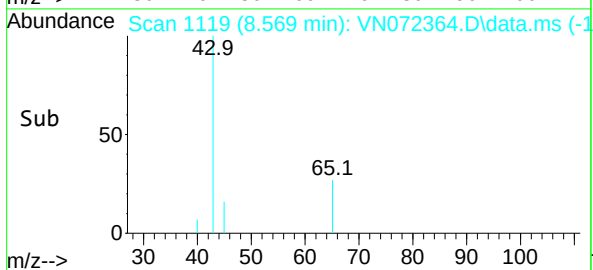
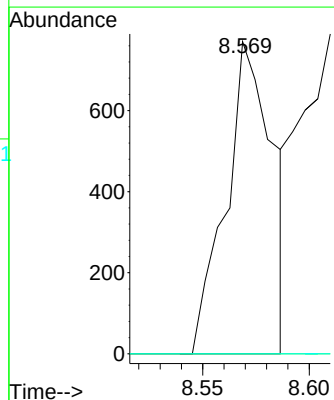
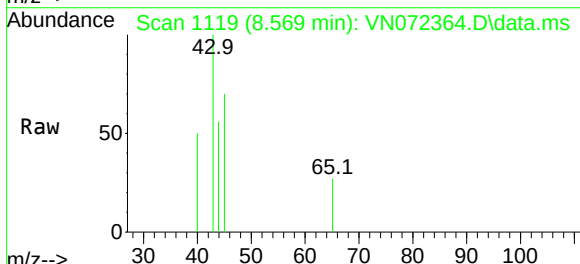
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MSVOA_N
ClientSampleId :
ETGI-362ME

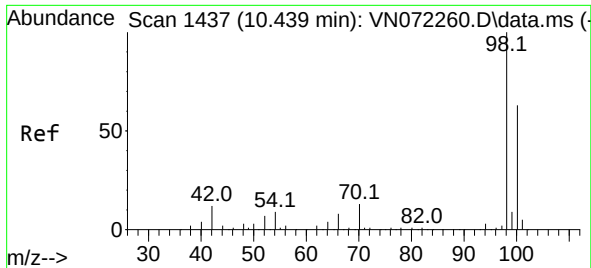
Tgt Ion: 41 Resp: 1286
Ion Ratio Lower Upper
41 100
39 40.6 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#43
Isopropyl Acetate
Concen: 0.936 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.012 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

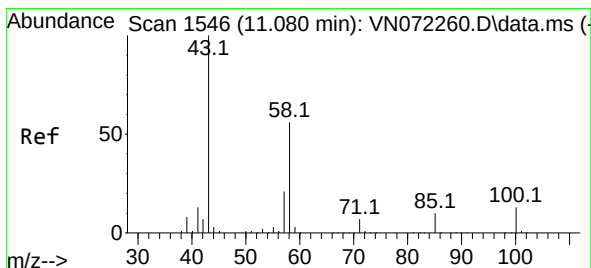
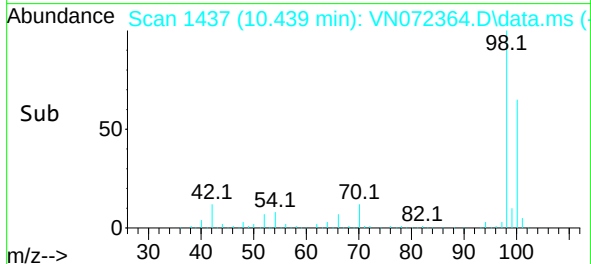
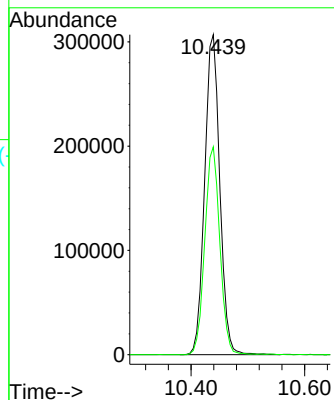
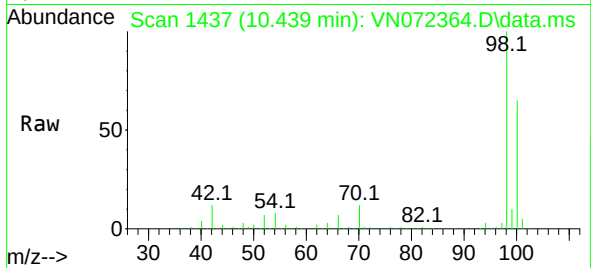




#50
Toluene-d8
Concen: 51.037 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

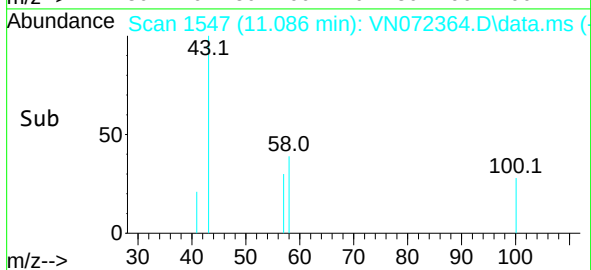
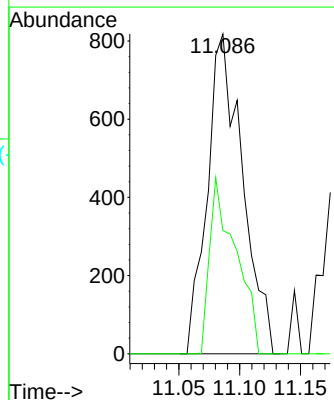
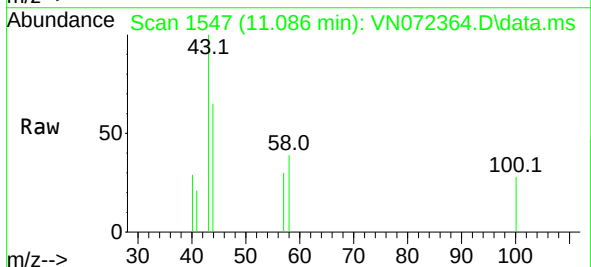
Instrument :
MSVOA_N
ClientSampleId :
ETGI-362ME

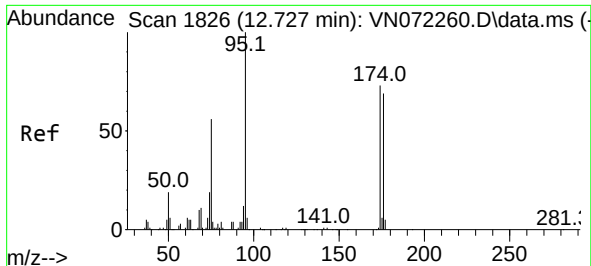
Tgt Ion: 98 Resp: 565808
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#59
2-Hexanone
Concen: 0.452 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

Tgt Ion: 43 Resp: 1640
Ion Ratio Lower Upper
43 100
58 41.1 29.7 89.1

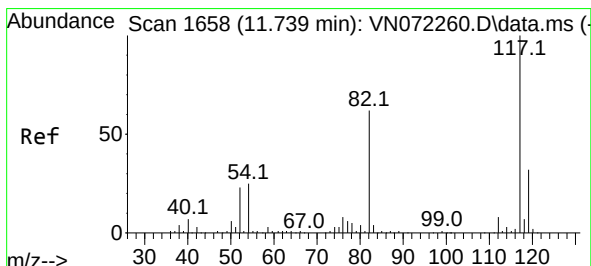
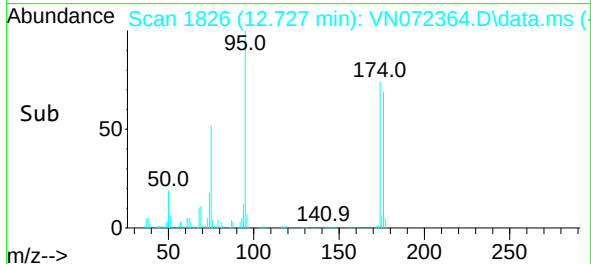
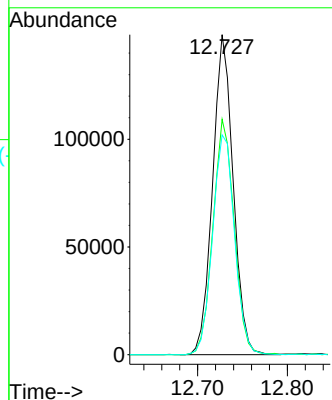
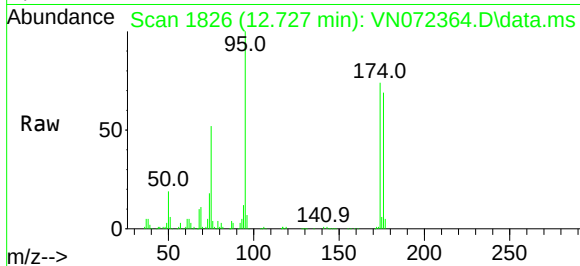




#62
4-Bromofluorobenzene
Concen: 64.193 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

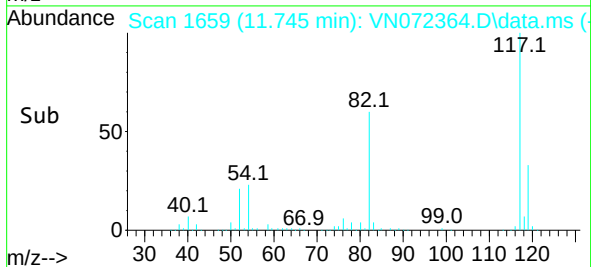
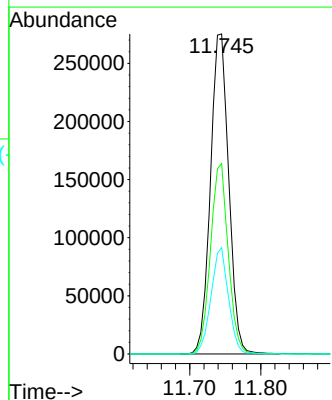
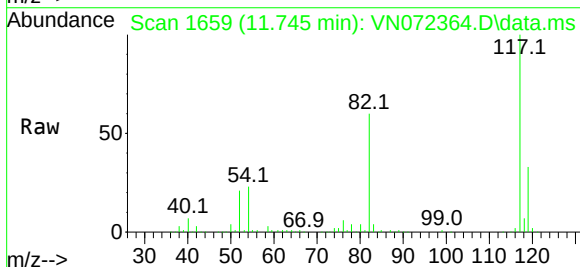
Instrument :
MSVOA_N
ClientSampleId :
ETGI-362ME

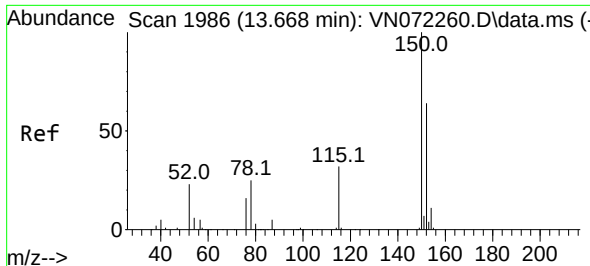
Tgt Ion: 95 Resp: 236214
Ion Ratio Lower Upper
95 100
174 76.0 0.0 167.6
176 73.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

Tgt Ion: 117 Resp: 491874
Ion Ratio Lower Upper
117 100
82 59.5 44.2 66.2
119 33.2 25.4 38.0

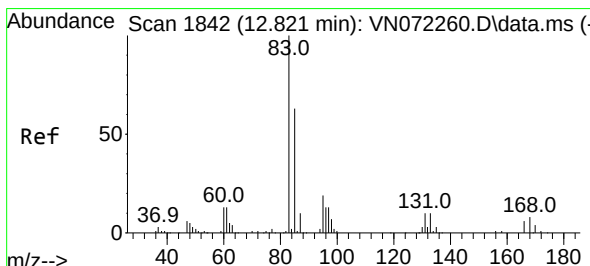
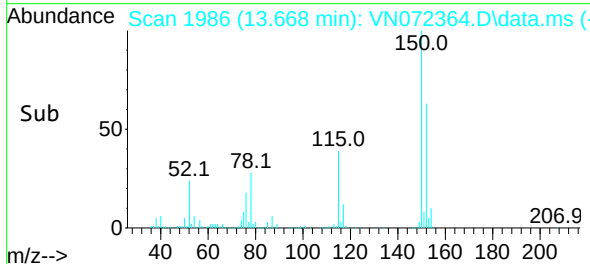
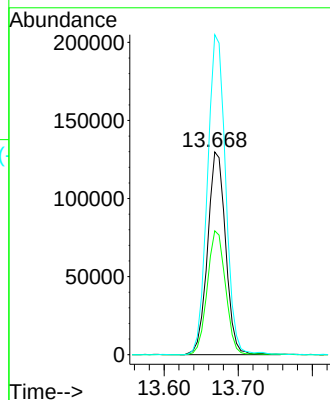
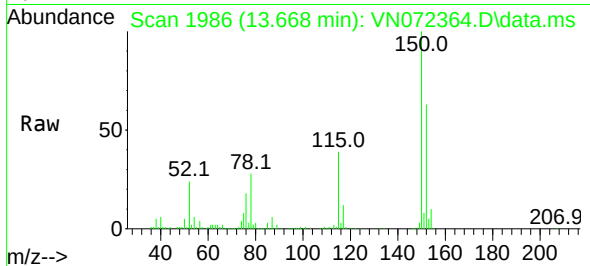




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072364.D
 Acq: 06 May 2022 19:00

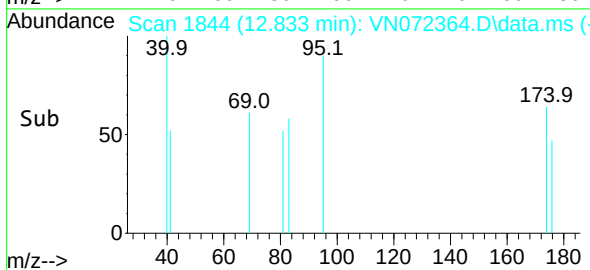
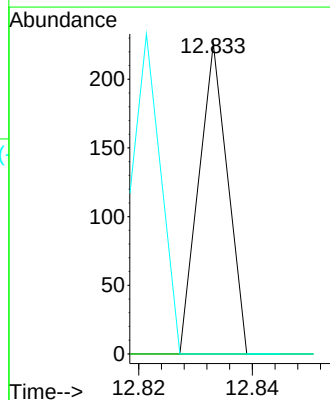
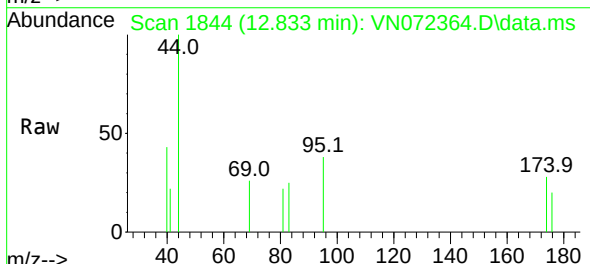
Instrument :
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 ClientSampleId :
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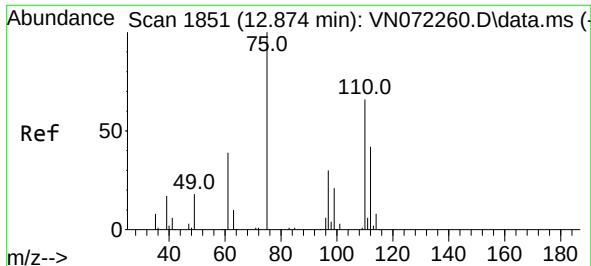
Tgt Ion:152 Resp: 219523
 Ion Ratio Lower Upper
 152 100
 115 62.1 28.9 86.7
 150 159.3 0.0 356.2



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.833 min Scan# 1844
 Delta R.T. 0.011 min
 Lab File: VN072364.D
 Acq: 06 May 2022 19:00

Tgt Ion: 83 Resp: 80
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.3 15.9#
 85 102.5 32.3 96.9#

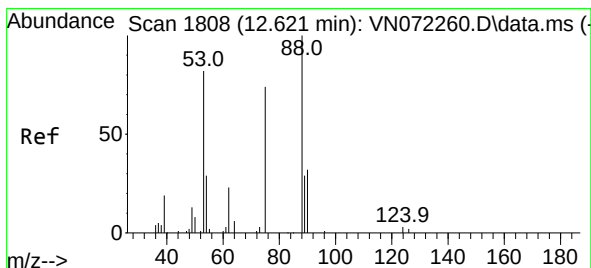
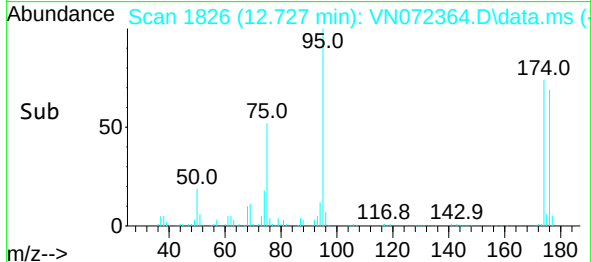
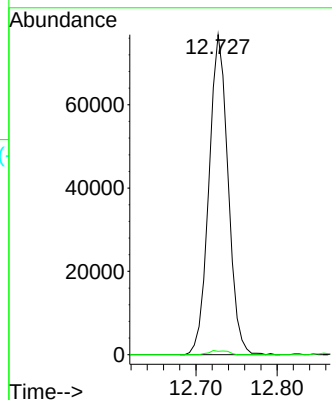
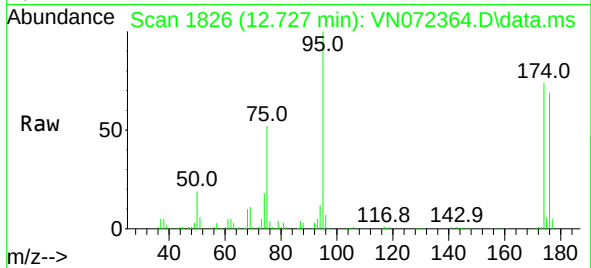




#76
1,2,3-Trichloropropane
Concen: 25.460 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

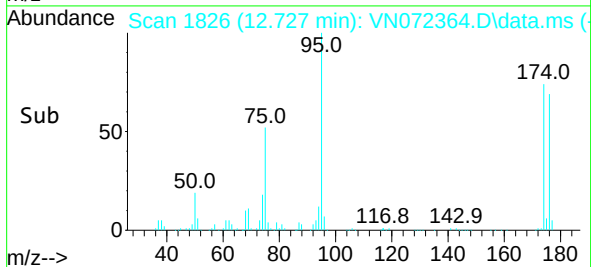
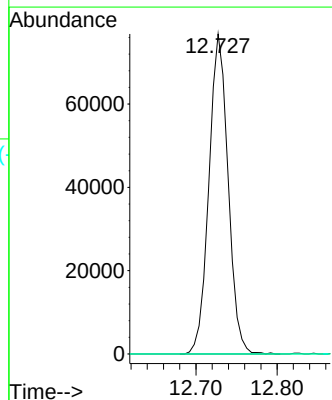
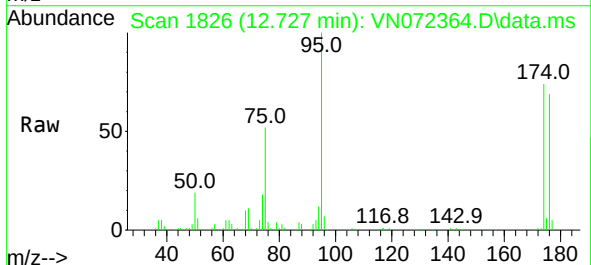
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ClientSampleId :
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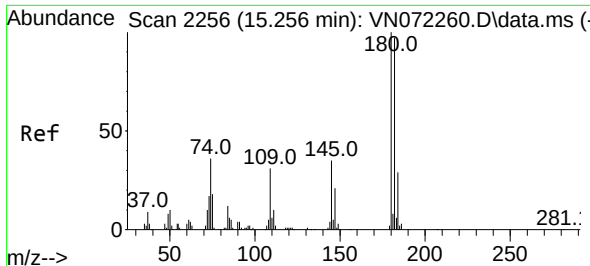
Tgt Ion: 75 Resp: 125836
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.280 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

Tgt Ion: 75 Resp: 125836
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

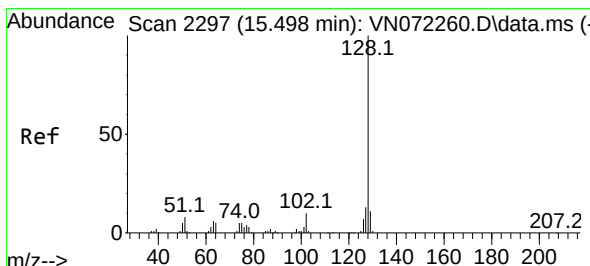
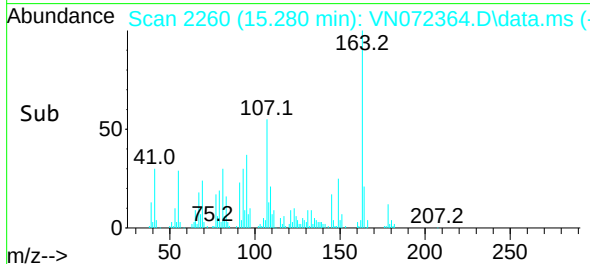
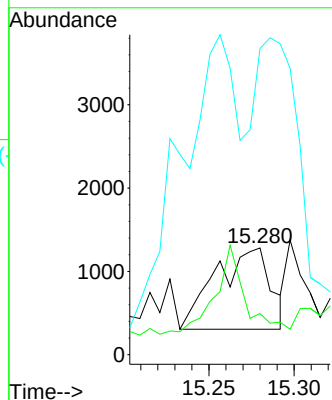
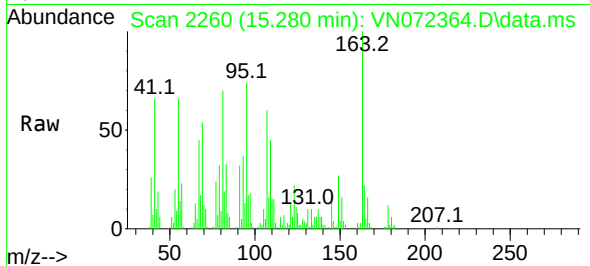




#93
1,2,4-Trichlorobenzene
Concen: 3.037 ug/l
RT: 15.280 min Scan# 2194
Delta R.T. 0.023 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

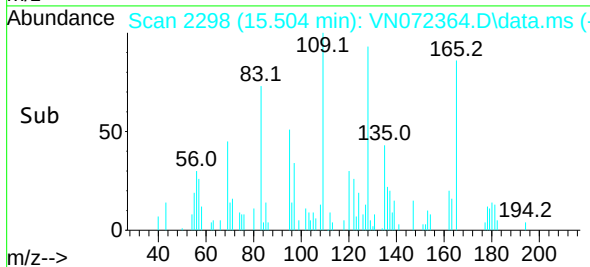
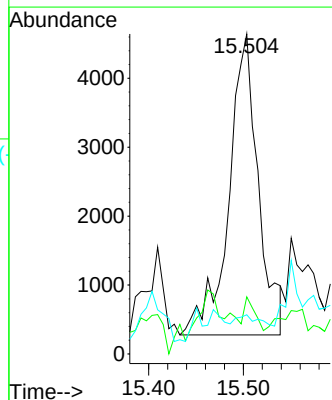
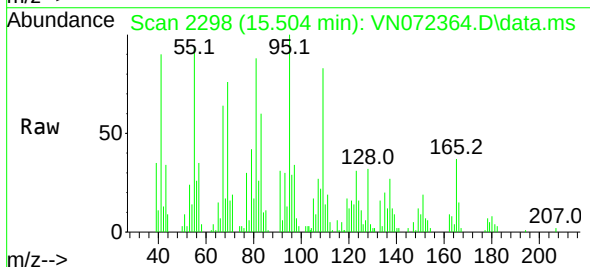
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ClientSampleId :
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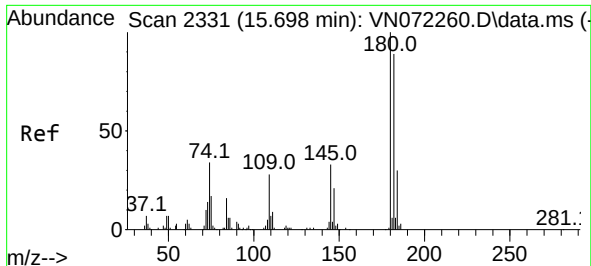
Tgt Ion:180 Resp: 2194
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 326.4 14.5 43.5#



#95
Naphthalene
Concen: 5.059 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072364.D
Acq: 06 May 2022 19:00

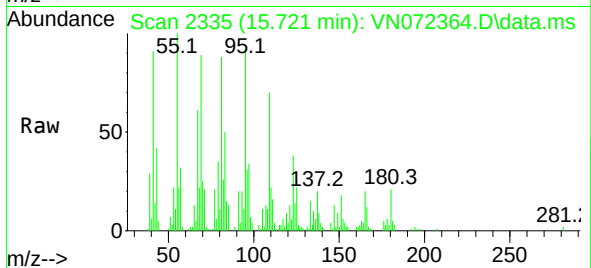
Tgt Ion:128 Resp: 9448
Ion Ratio Lower Upper
128 100
127 3.7 10.3 15.5#
129 2.6 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.211 ug/l
 RT: 15.721 min Scan# 21
 Delta R.T. 0.029 min
 Lab File: VN072364.D
 Acq: 06 May 2022 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 ETGI-362ME



Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	0.0	15.5	46.5#

