

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021800.D
 Acq On : 07 Apr 2025 15:56
 Operator : SY/MD
 Sample : Q1733-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-328

Quant Time: Apr 08 03:34:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

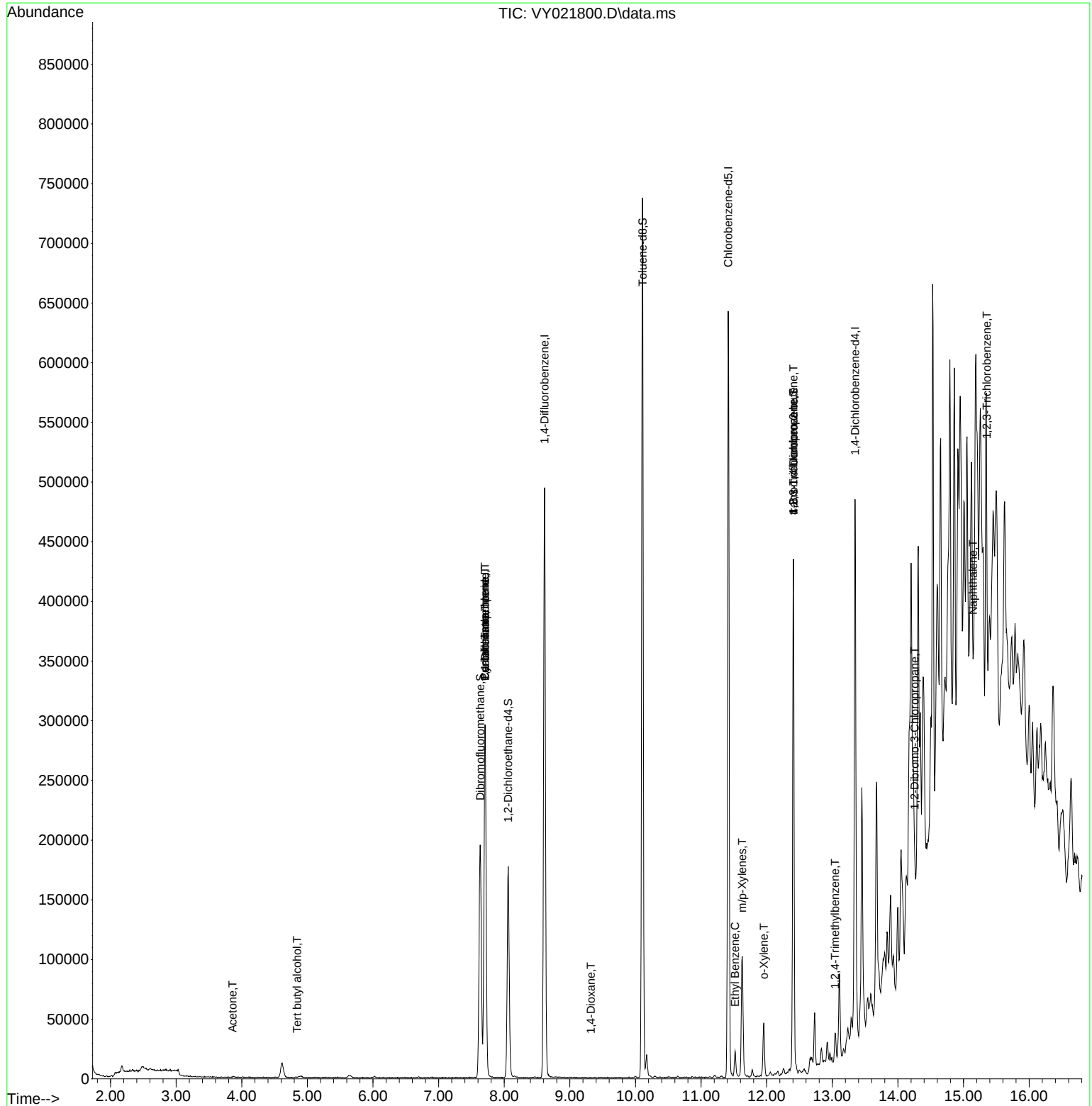
Internal Standards						
1) Pentafluorobenzene	7.707	168	222950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	405904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	324448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	109282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135217	55.977	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.960%
35) Dibromofluoromethane	7.634	113	139226	52.877	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.760%
50) Toluene-d8	10.109	98	476775	47.597	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.200%
62) 4-Bromofluorobenzene	12.408	95	127393	37.599	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.200%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.842	59	473	3.015	ug/l #	70
16) Acetone	3.860	43	709	1.434	ug/l	94
20) Methylene Chloride	4.616	84	8424	Below Cal		93
31) Cyclohexane	7.707	56	5261	1.234	ug/l #	17
36) 1,1-Dichloropropene	7.707	75	18051	4.501	ug/l #	52
38) Carbon Tetrachloride	7.707	117	22792	4.962	ug/l #	15
49) 1,4-Dioxane	9.323	88	27	1.538	ug/l #	21
67) Ethyl Benzene	11.518	91	13587	1.065	ug/l	100
68) m/p-Xylenes	11.627	106	29631	6.067	ug/l	97
69) o-Xylene	11.957	106	11082	2.458	ug/l	98
76) 1,2,3-Trichloropropane	12.408	75	68062	62.830	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	68062	144.772	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.042	105	11745	1.791	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.255	75	241	1.066	ug/l #	1
95) Naphthalene	15.145	128	3421	1.139	ug/l #	26
96) 1,2,3-Trichlorobenzene	15.352	180	4301	2.783	ug/l #	12

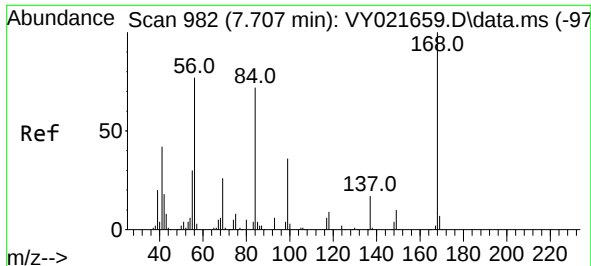
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

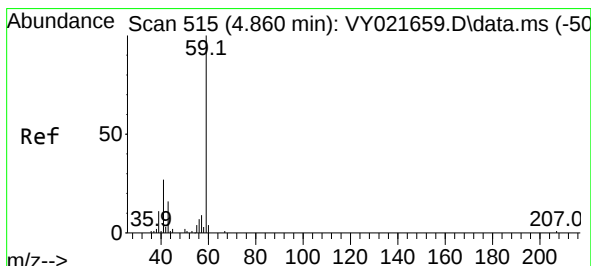
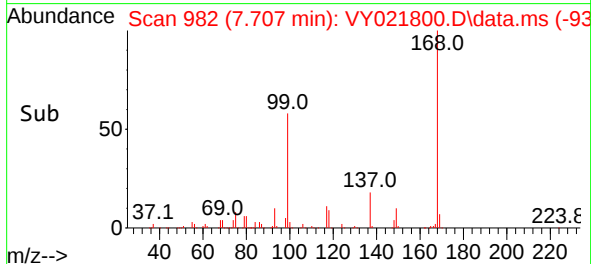
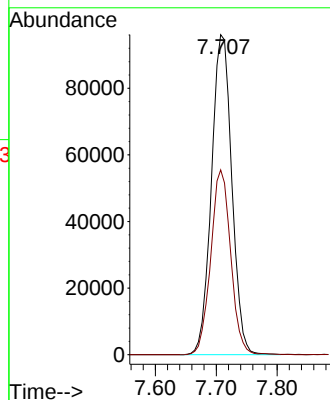
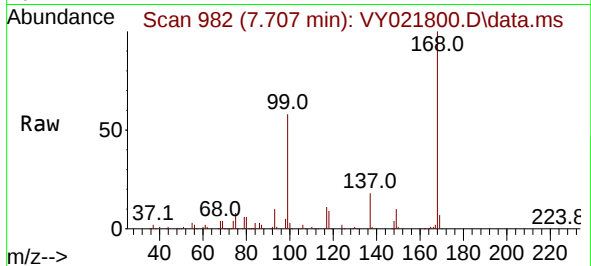




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

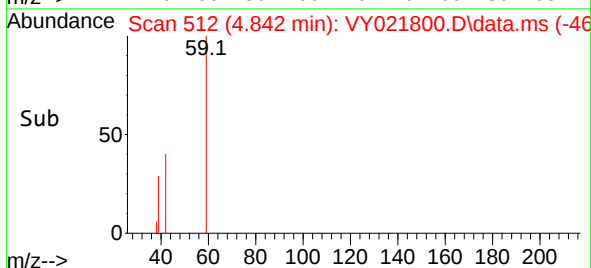
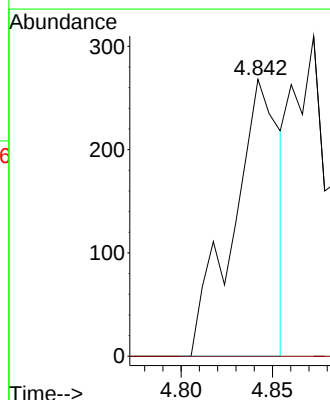
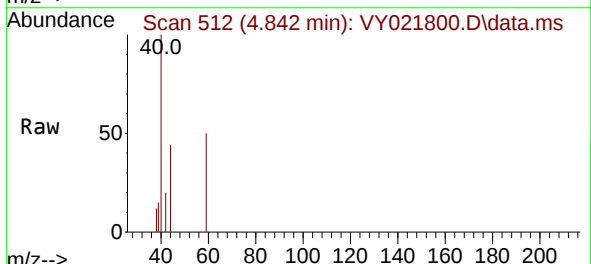
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

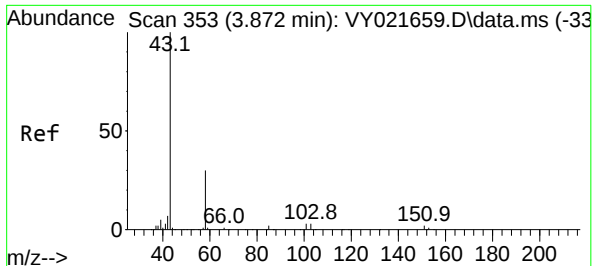
Tgt Ion:168 Resp: 222950
Ion Ratio Lower Upper
168 100
99 57.7 46.7 70.1



#11
Tert butyl alcohol
Concen: 3.015 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

Tgt Ion: 59 Resp: 473
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

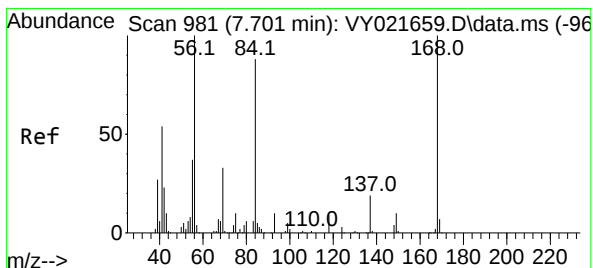
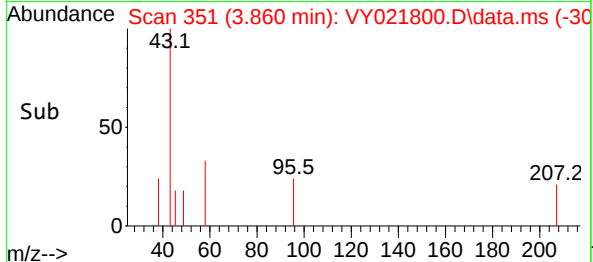
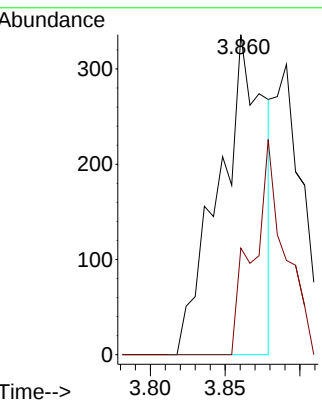
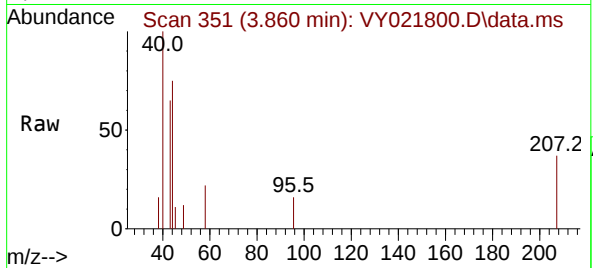




#16
Acetone
Concen: 1.434 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

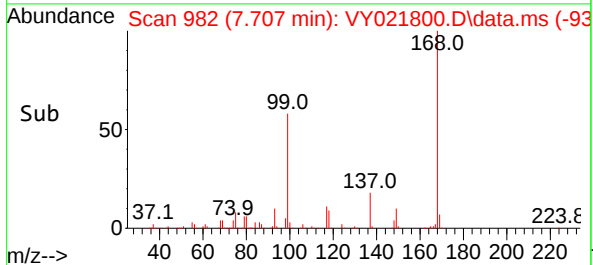
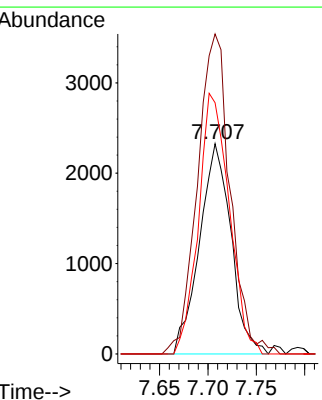
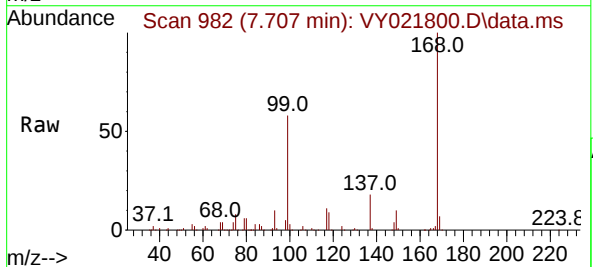
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

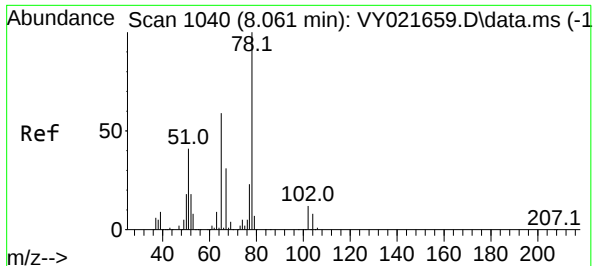
Tgt Ion: 43 Resp: 709
Ion Ratio Lower Upper
43 100
58 33.3 24.2 36.4



#31
Cyclohexane
Concen: 1.234 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

Tgt Ion: 56 Resp: 5261
Ion Ratio Lower Upper
56 100
69 149.3 26.6 40.0#
84 119.5 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 55.977 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021800.D

Acq: 07 Apr 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

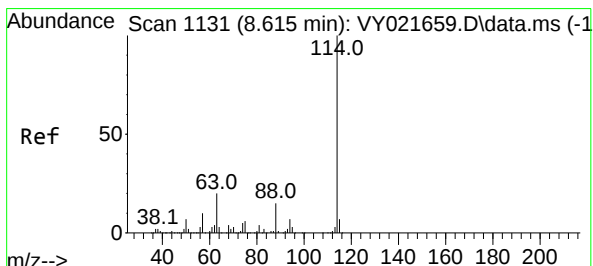
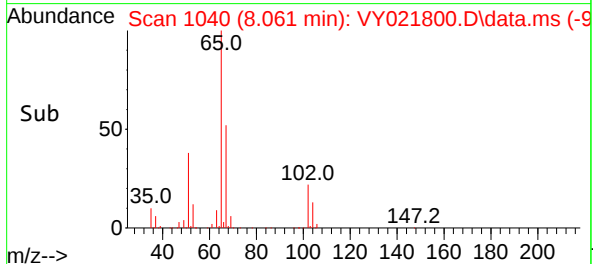
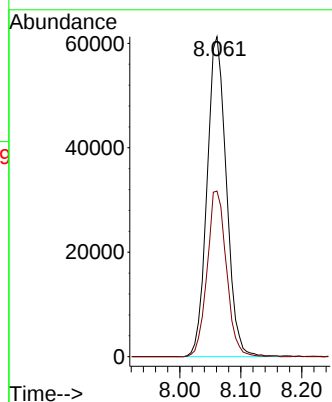
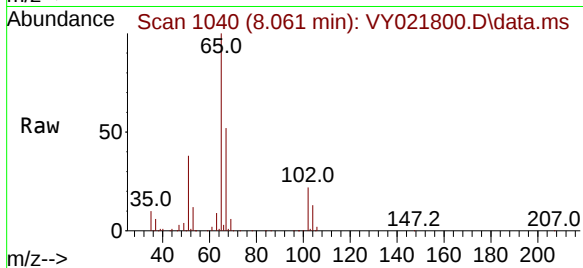
ETGI-328

Tgt Ion: 65 Resp: 135217

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021800.D

Acq: 07 Apr 2025 15:56

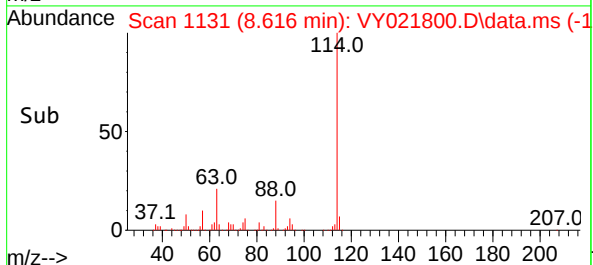
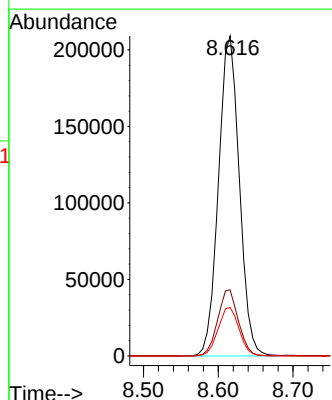
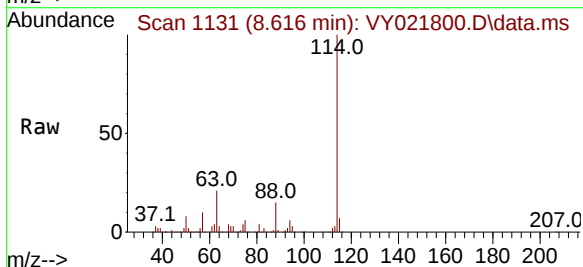
Tgt Ion: 114 Resp: 405904

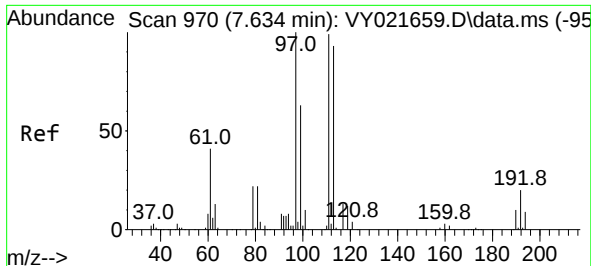
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.2

88 15.2 0.0 29.8

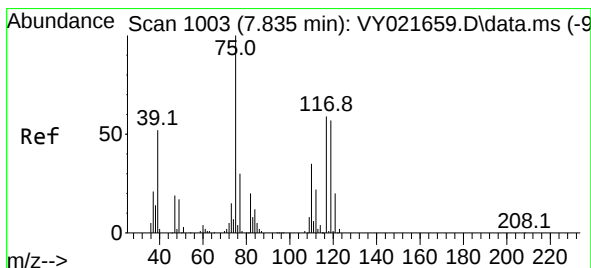
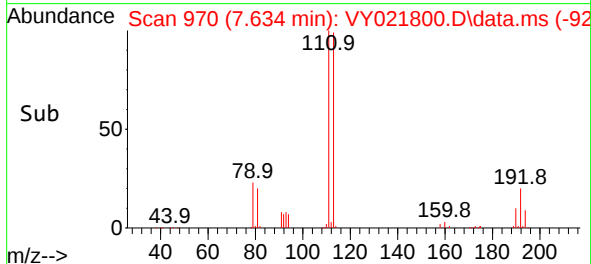
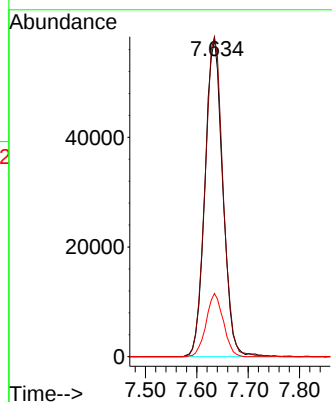
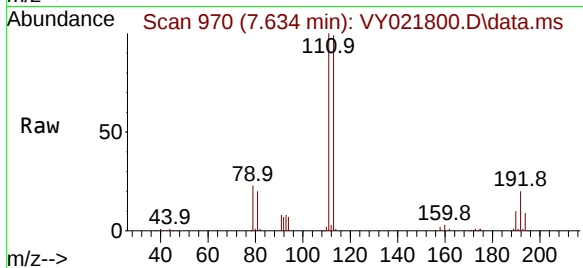




#35
Dibromofluoromethane
Concen: 52.877 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

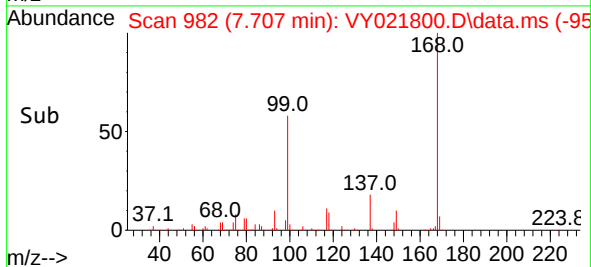
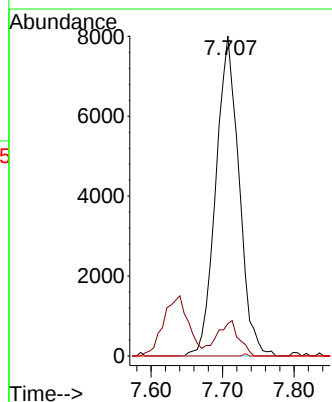
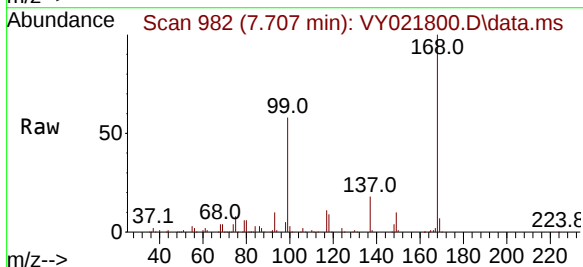
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

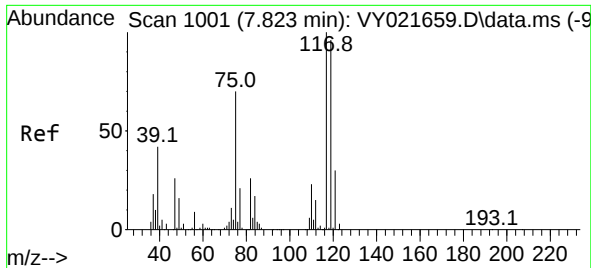
Tgt Ion:113 Resp: 139226
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 19.3 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.501 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

Tgt Ion: 75 Resp: 18051
Ion Ratio Lower Upper
75 100
110 10.6 17.0 50.9#
77 0.0 24.8 37.2#

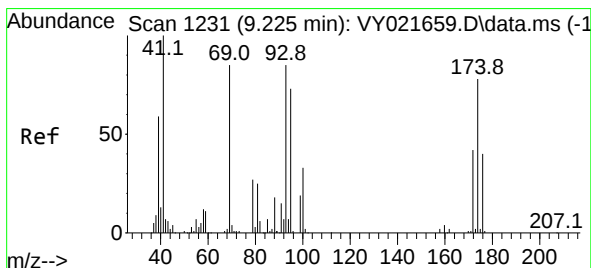
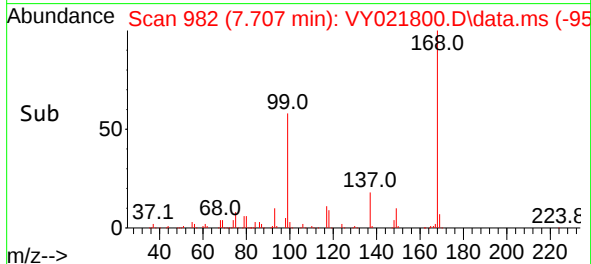
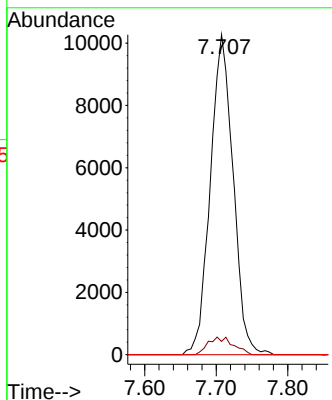
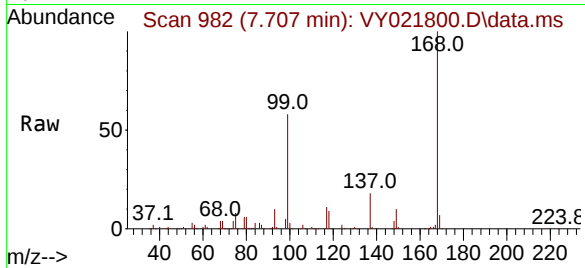




#38
Carbon Tetrachloride
Concen: 4.962 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

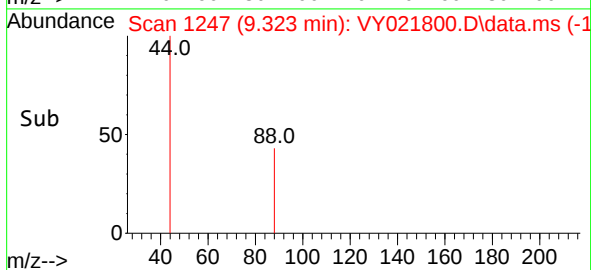
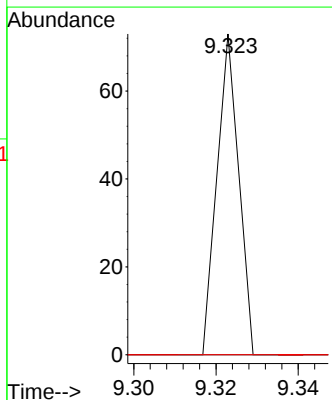
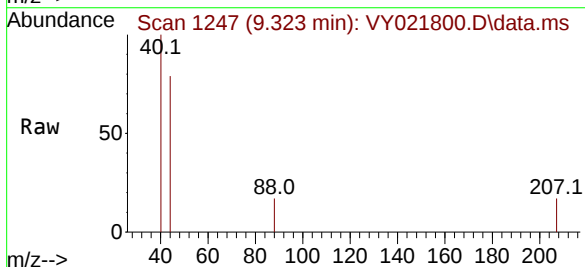
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ClientSampleId :
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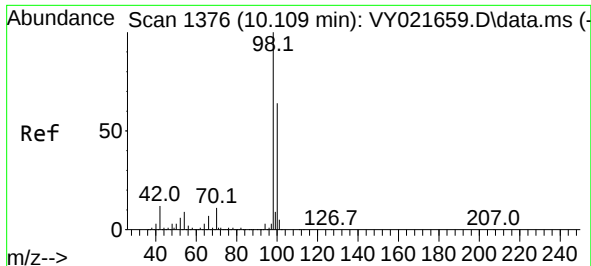
Tgt Ion:117 Resp: 22792
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 1.538 ug/l
RT: 9.323 min Scan# 1247
Delta R.T. 0.098 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 59.4 89.2#

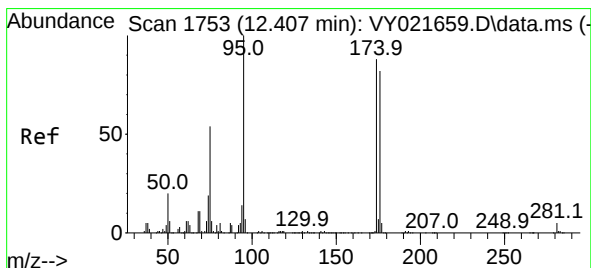
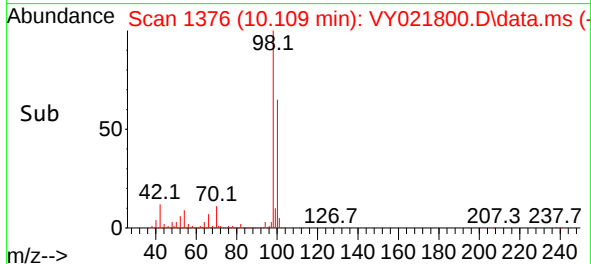
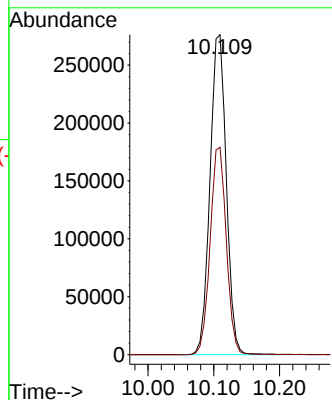
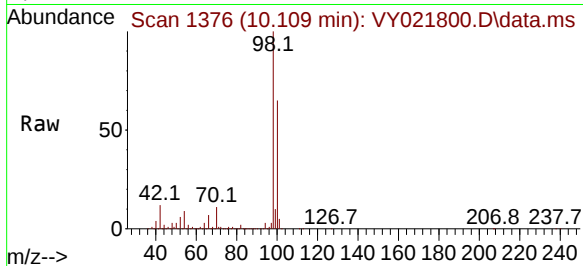




#50
Toluene-d8
Concen: 47.597 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

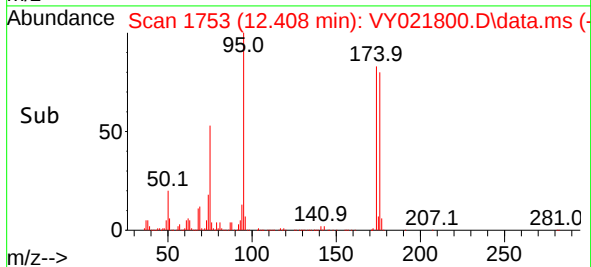
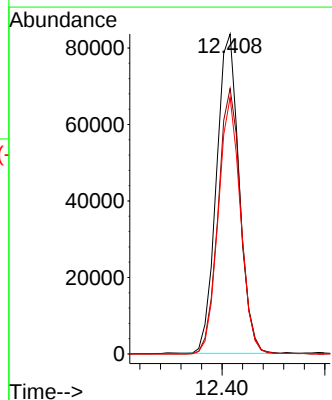
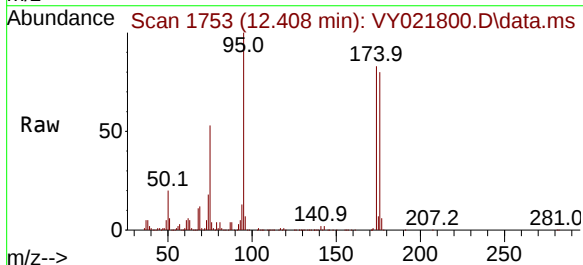
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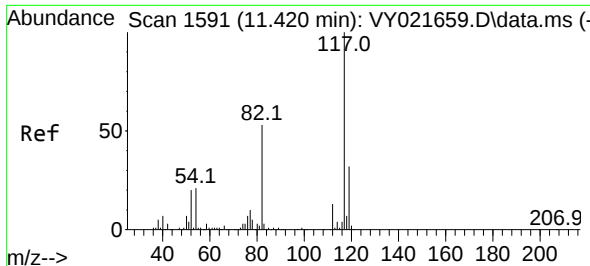
Tgt Ion: 98 Resp: 476775
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 37.599 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

Tgt Ion: 95 Resp: 127393
Ion Ratio Lower Upper
95 100
174 83.3 0.0 170.8
176 78.8 0.0 162.0

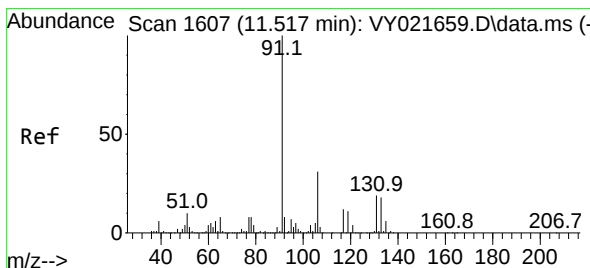
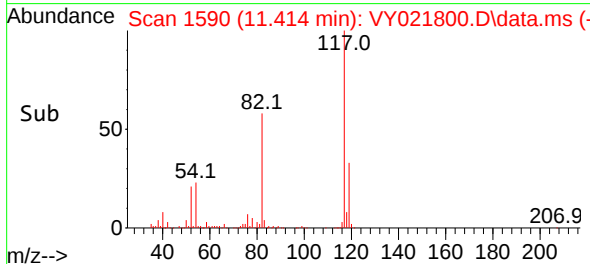
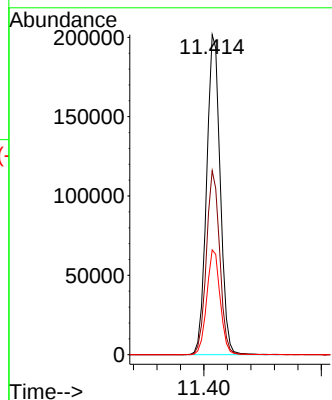
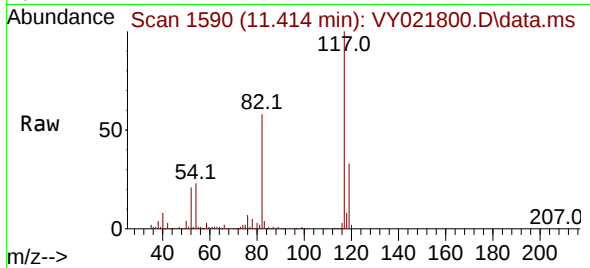




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

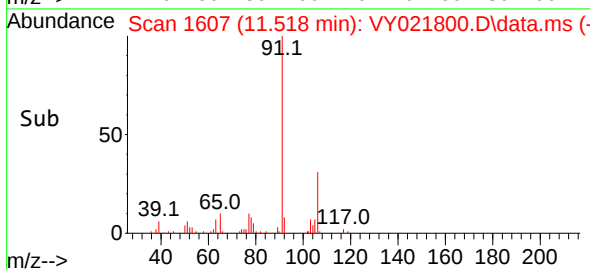
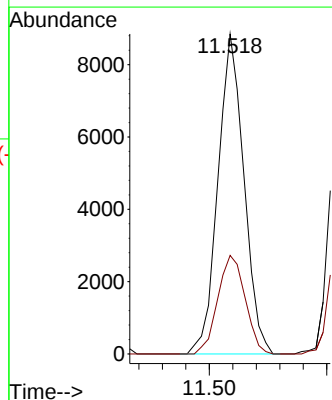
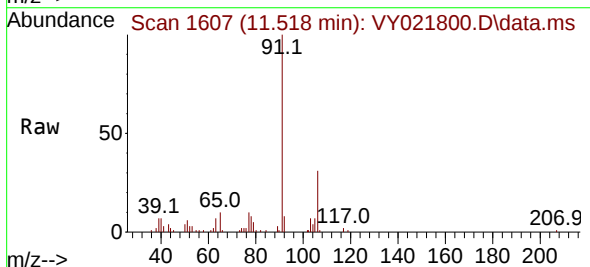
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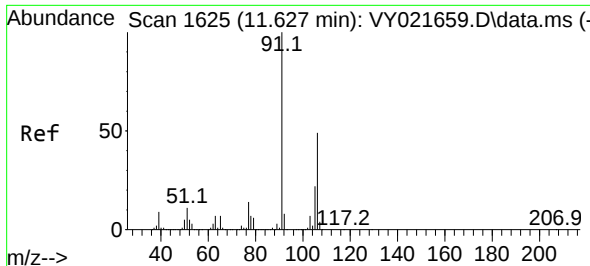
Tgt Ion:117 Resp: 324448
Ion Ratio Lower Upper
117 100
82 57.5 42.8 64.2
119 32.8 25.7 38.5



#67
Ethyl Benzene
Concen: 1.065 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. 0.000 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

Tgt Ion: 91 Resp: 13587
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8

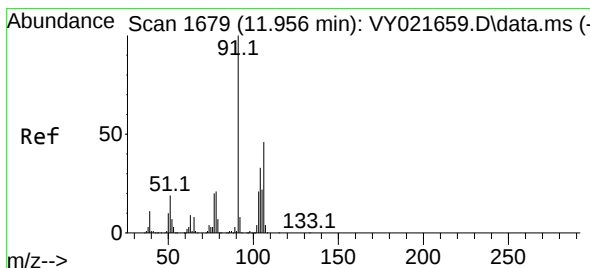
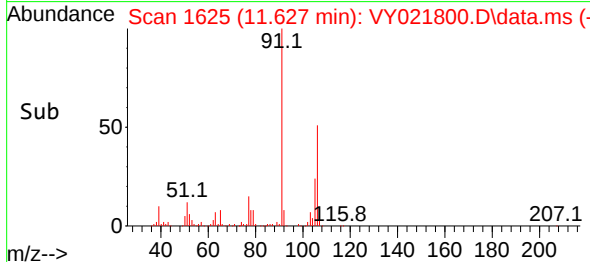
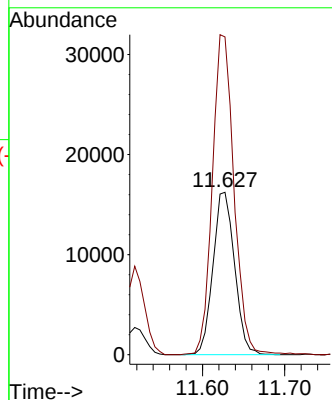
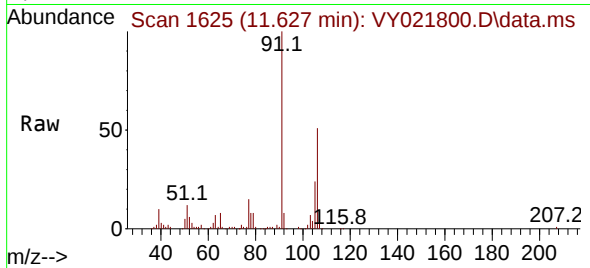




#68
m/p-Xylenes
Concen: 6.067 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

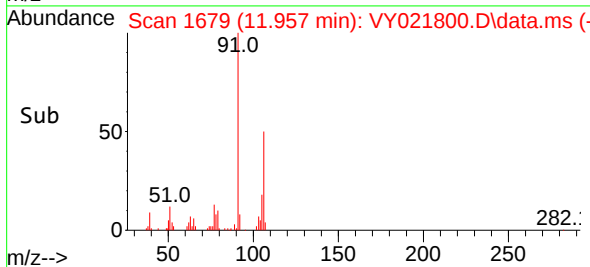
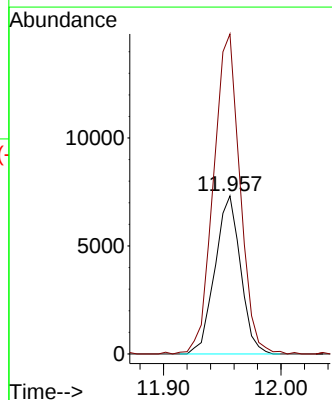
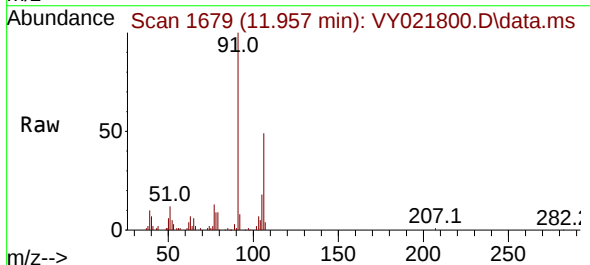
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

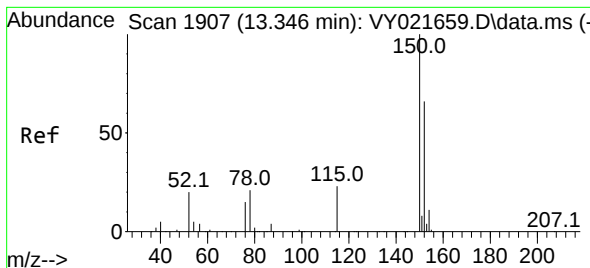
Tgt Ion:106 Resp: 29631
Ion Ratio Lower Upper
106 100
91 197.9 162.4 243.6



#69
o-Xylene
Concen: 2.458 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

Tgt Ion:106 Resp: 11082
Ion Ratio Lower Upper
106 100
91 209.5 106.7 319.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021800.D

Acq: 07 Apr 2025 15:56

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-328

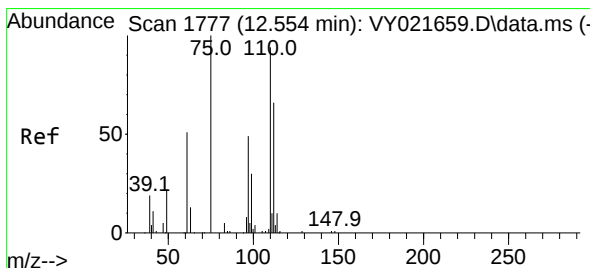
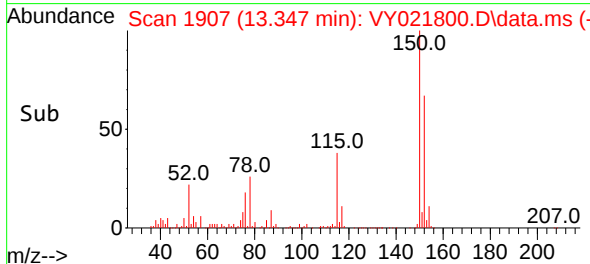
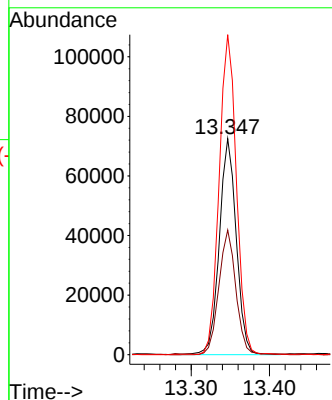
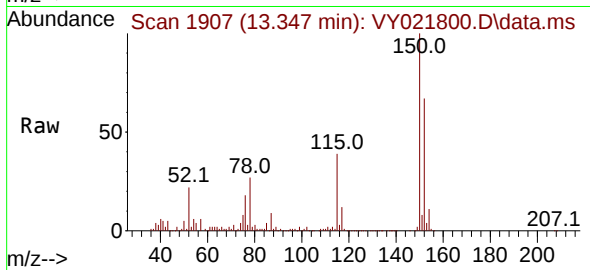
Tgt Ion:152 Resp: 109282

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 150.5 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 62.830 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021800.D

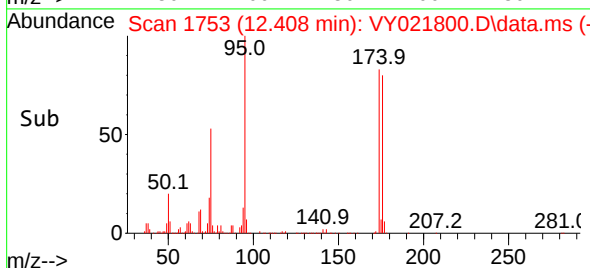
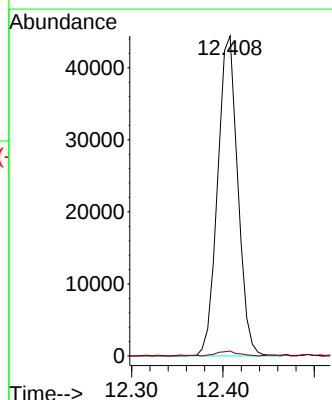
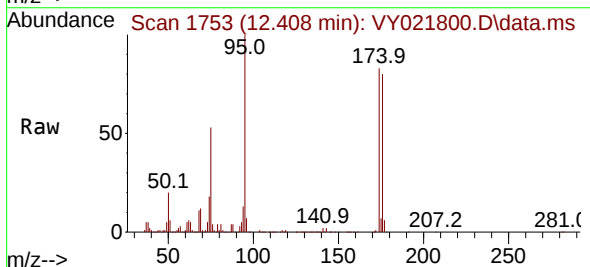
Acq: 07 Apr 2025 15:56

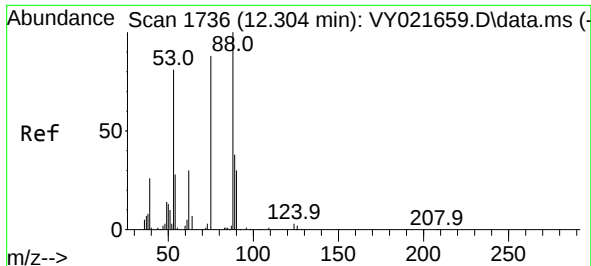
Tgt Ion: 75 Resp: 68062

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

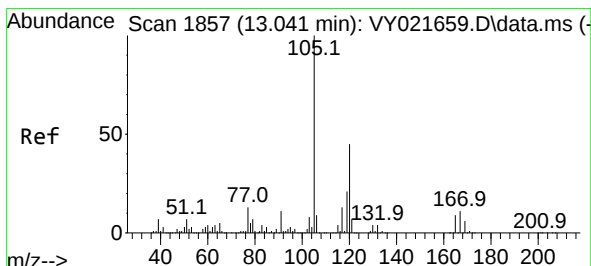
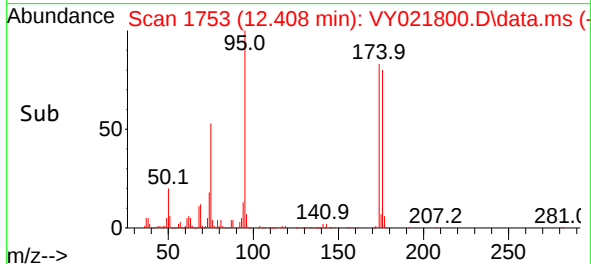
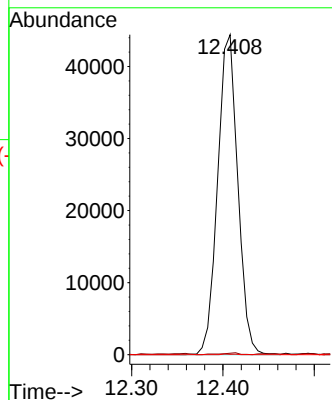
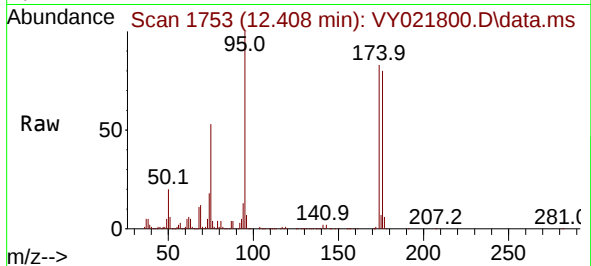




#81
trans-1,4-Dichloro-2-butene
Concen: 144.772 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

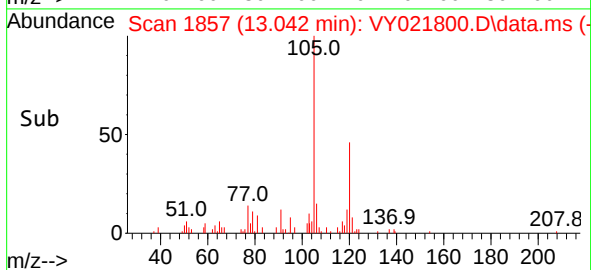
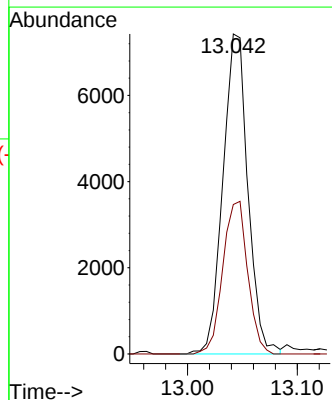
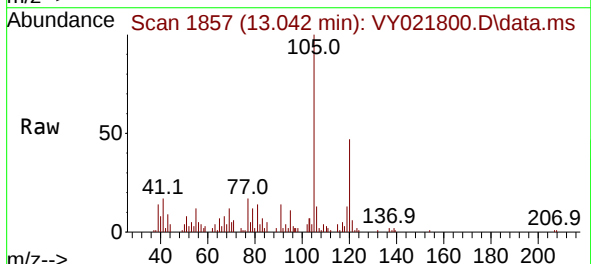
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

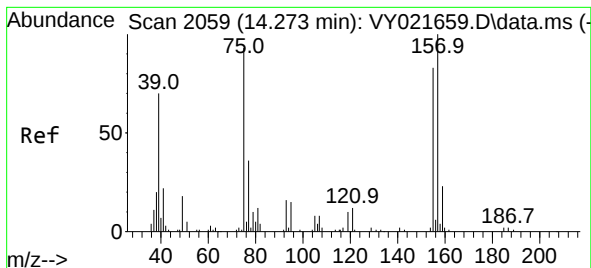
Tgt Ion: 75 Resp: 68062
Ion Ratio Lower Upper
75 100
53 0.5 76.1 114.1#
89 0.1 36.2 54.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.791 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

Tgt Ion: 105 Resp: 11745
Ion Ratio Lower Upper
105 100
120 47.6 22.7 68.1

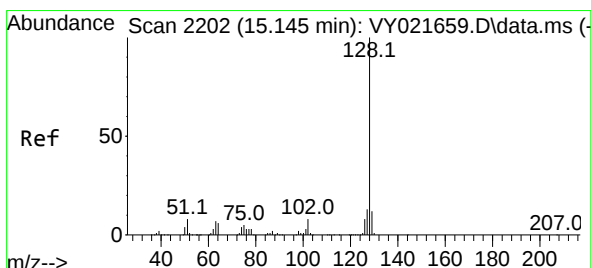
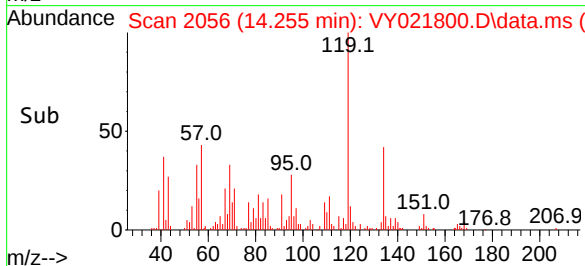
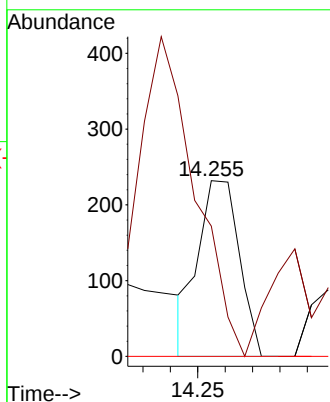
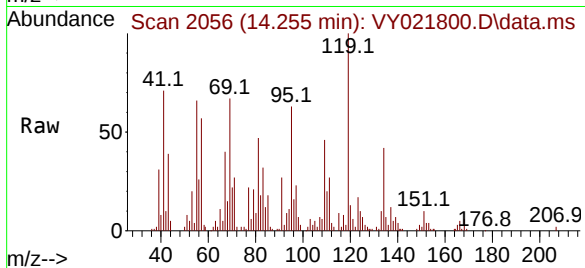




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.066 ug/l
RT: 14.255 min Scan# 2056
Delta R.T. -0.018 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

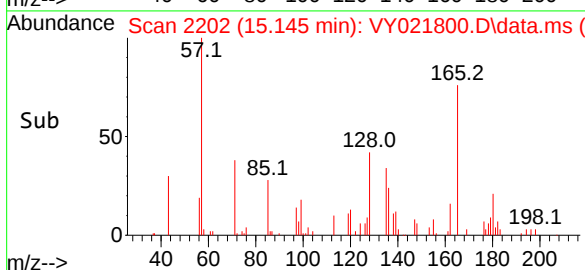
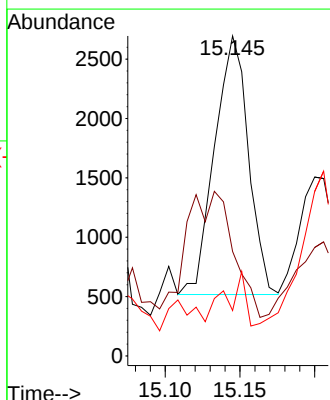
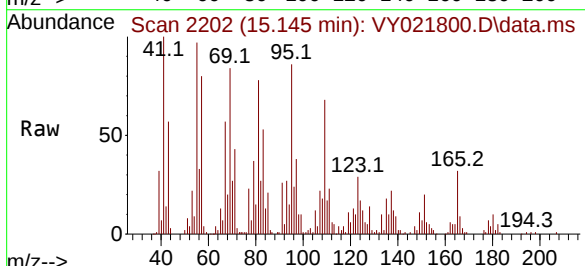
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

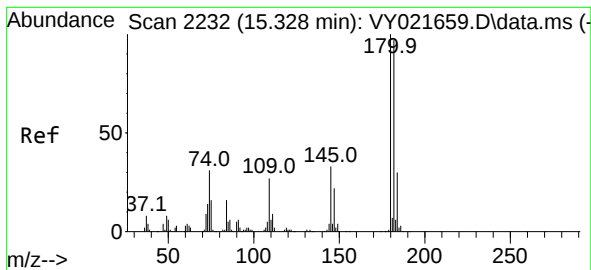
Tgt Ion: 75 Resp: 241
Ion Ratio Lower Upper
75 100
155 273.0 43.0 128.8#
157 0.0 54.0 162.0#



#95
Naphthalene
Concen: 1.139 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY021800.D
Acq: 07 Apr 2025 15:56

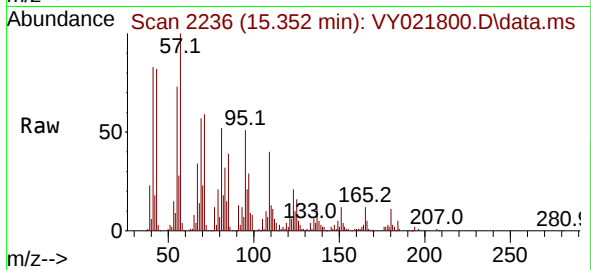
Tgt Ion: 128 Resp: 3421
Ion Ratio Lower Upper
128 100
127 67.1 10.8 16.2#
129 10.8 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 2.783 ug/l
 RT: 15.352 min Scan# 21
 Delta R.T. 0.025 min
 Lab File: VY021800.D
 Acq: 07 Apr 2025 15:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-328



Tgt Ion:	180	Resp:	4301
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.5	142.5#
145	0.0	15.9	47.7#

