

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013599.D
 Acq On : 04 May 2023 14:52
 Operator : KP/MD
 Sample : 02598-04
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-328

Quant Time: May 05 00:59:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

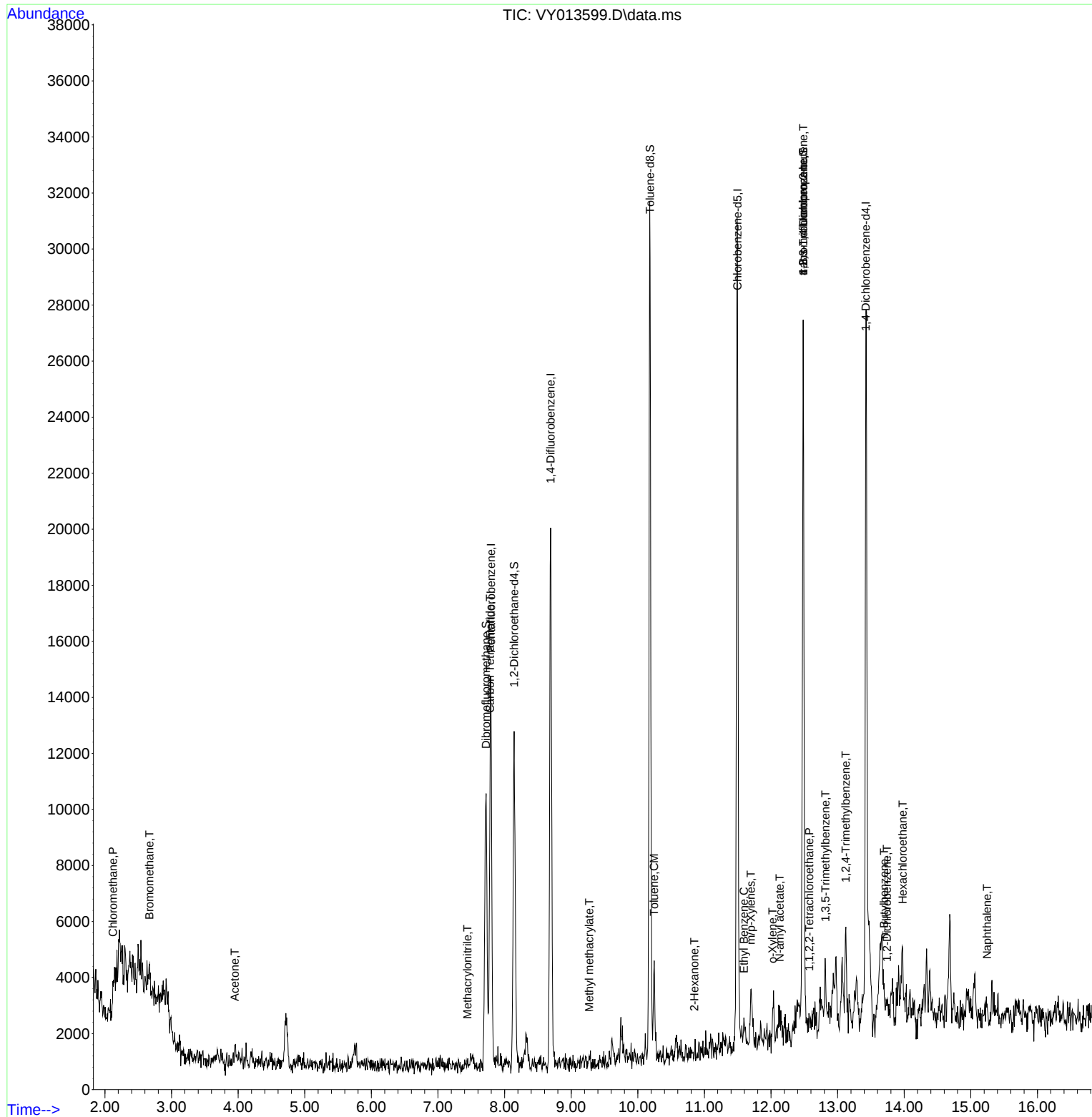
Internal Standards						
1) Pentafluorobenzene	7.795	168	10270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	16559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	16757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	6872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	9570	85.005	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 170.000%#			
35) Dibromofluoromethane	7.722	113	7085	68.028	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 136.060%			
50) Toluene-d8	10.185	98	19792	53.420	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.840%			
62) 4-Bromofluorobenzene	12.483	95	6907	55.298	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.600%			
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	418	3.194	ug/l #	71
5) Bromomethane	2.668	94	287	2.764	ug/l #	72
16) Acetone	3.948	43	871	19.646	ug/l #	65
20) Methylene Chloride	4.698	84	553	Below Cal	#	42
38) Carbon Tetrachloride	7.783	117	1131	6.243	ug/l #	11
41) Methacrylonitrile	7.441	41	71	1.171	ug/l #	36
48) Methyl methacrylate	9.270	41	132	1.309	ug/l #	32
52) Toluene	10.246	92	1437	4.904	ug/l	98
59) 2-Hexanone	10.849	43	147	1.653	ug/l #	26
67) Ethyl Benzene	11.593	91	659	1.028	ug/l #	68
68) m/p-Xylenes	11.697	106	462	1.896	ug/l #	11
69) o-Xylene	12.026	106	508	2.204	ug/l	82
74) N-amyl acetate	12.130	43	232	1.254	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.575	83	136	1.070	ug/l #	74
76) 1,2,3-Trichloropropane	12.483	75	3591	38.747	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.819	105	956	2.253	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.483	75	3591	79.260	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.123	105	1598	3.874	ug/l	94
89) n-Butylbenzene	13.696	91	579	1.337	ug/l	81
90) Hexachloroethane	13.977	117	114	1.221	ug/l #	8
91) 1,2-Dichlorobenzene	13.739	146	247	1.140	ug/l #	69
95) Naphthalene	15.245	128	649	2.315	ug/l #	84

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

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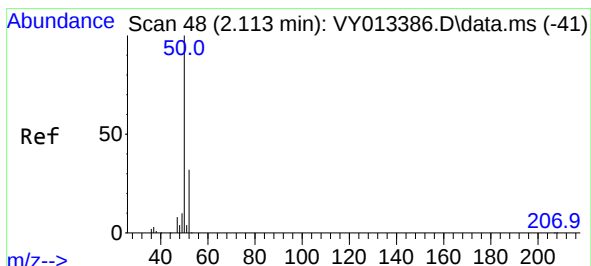
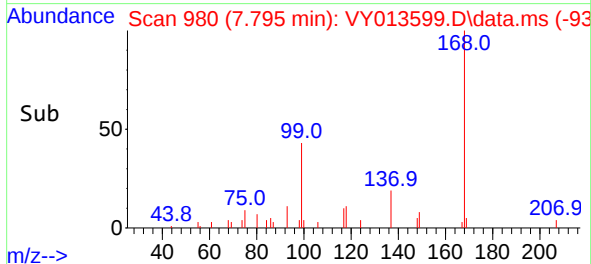
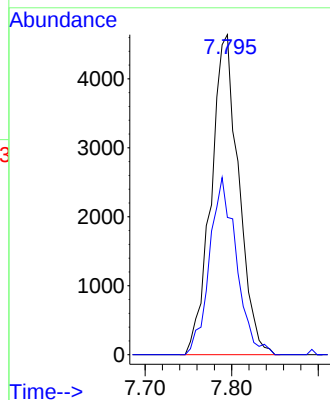
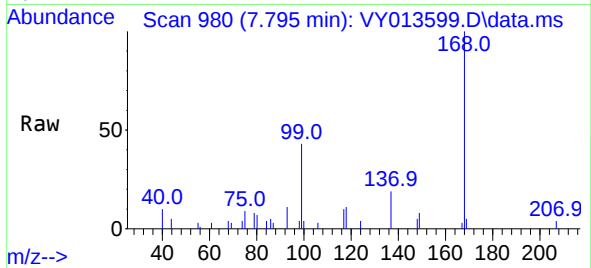




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

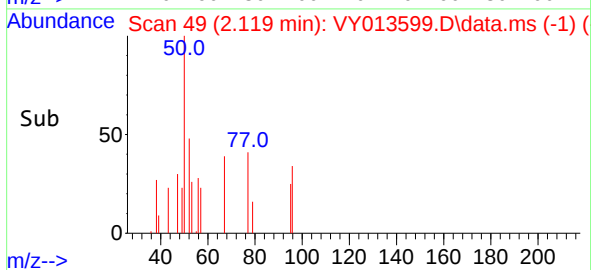
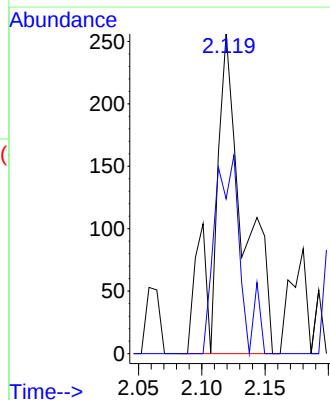
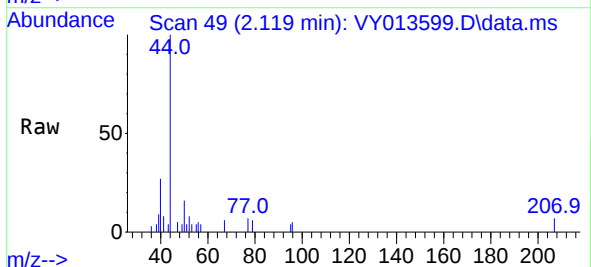
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

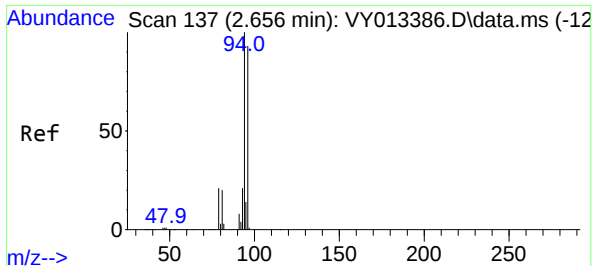
Tgt Ion:168 Resp: 10270
Ion Ratio Lower Upper
168 100
99 42.9 41.8 62.6



#3
Chloromethane
Concen: 3.194 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

Tgt Ion: 50 Resp: 418
Ion Ratio Lower Upper
50 100
52 48.4 25.9 38.9#

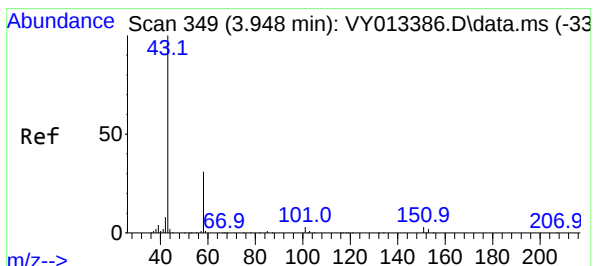
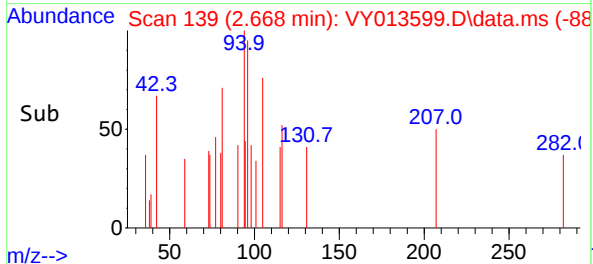
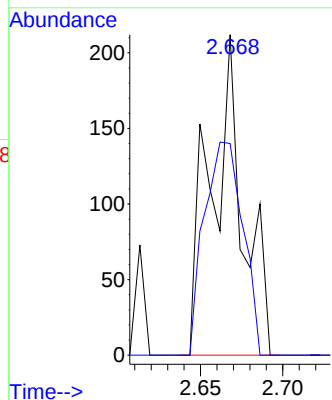
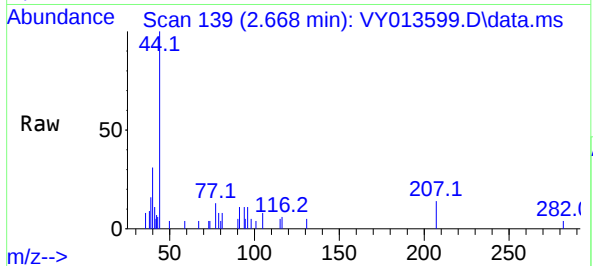




#5
Bromomethane
Concen: 2.764 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

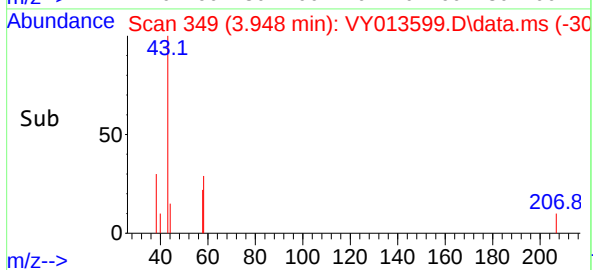
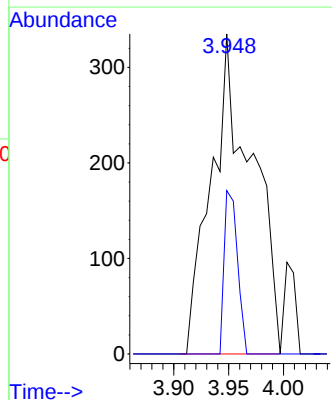
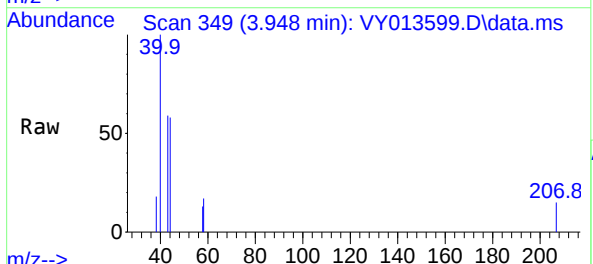
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

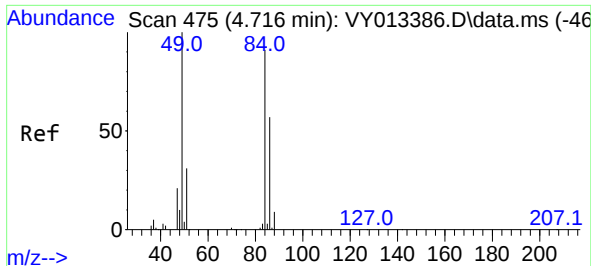
Tgt Ion: 94 Resp: 287
Ion Ratio Lower Upper
94 100
96 66.0 74.2 111.2#



#16
Acetone
Concen: 19.646 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

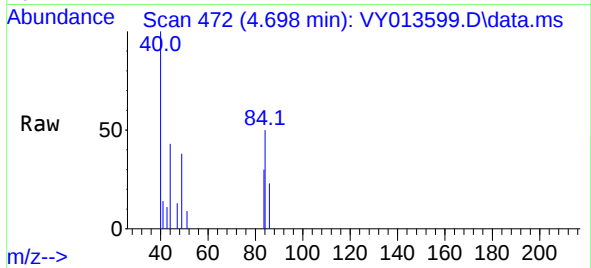
Tgt Ion: 43 Resp: 871
Ion Ratio Lower Upper
43 100
58 51.0 25.4 38.0#



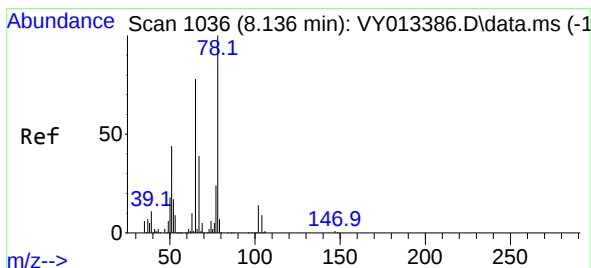
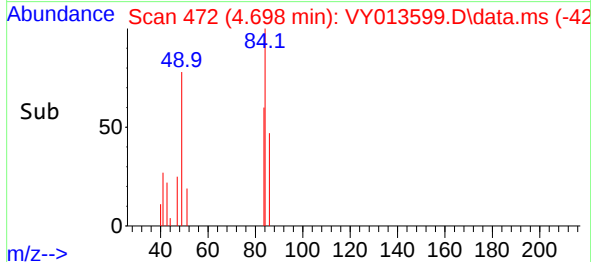
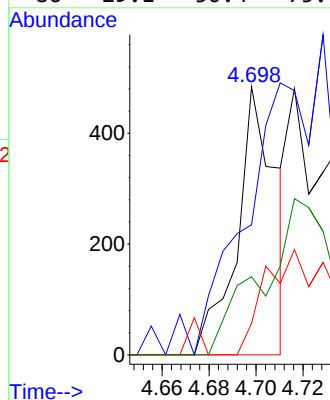


#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

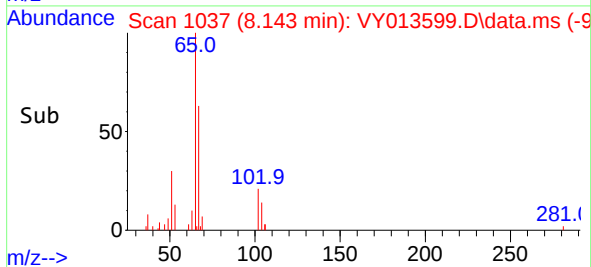
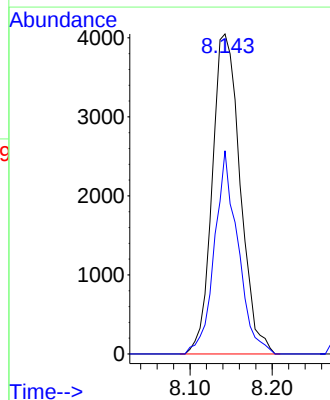
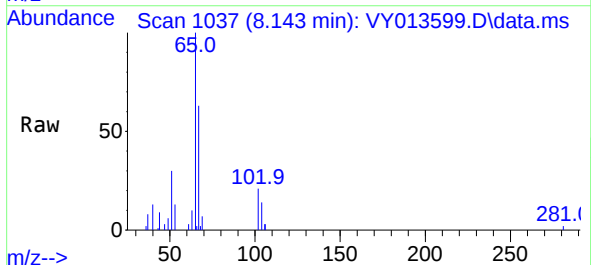


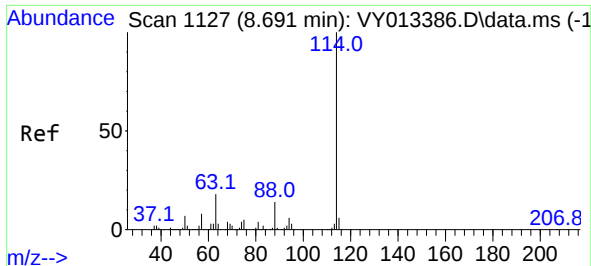
Tgt Ion: 84 Resp: 553
Ion Ratio Lower Upper
84 100
49 33.5 88.0 132.0#
51 11.8 27.4 41.0#
86 29.1 50.4 75.6#



#33
1,2-Dichloroethane-d4
Concen: 85.005 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

Tgt Ion: 65 Resp: 9570
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013599.D

Acq: 04 May 2023 14:52

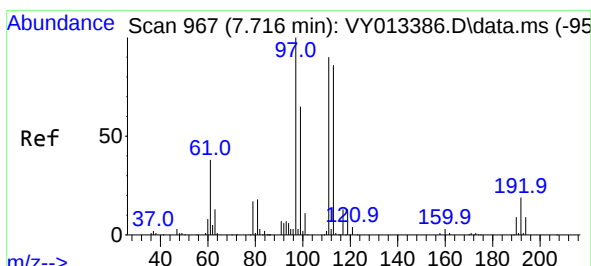
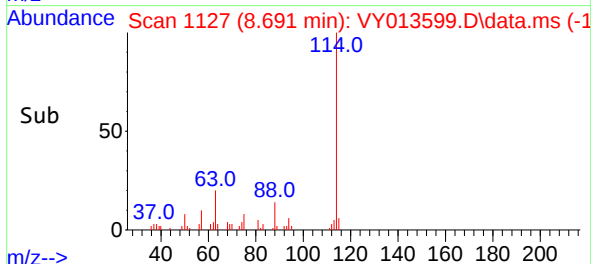
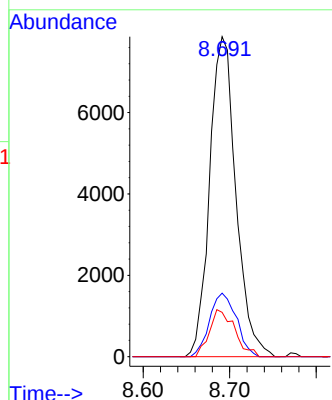
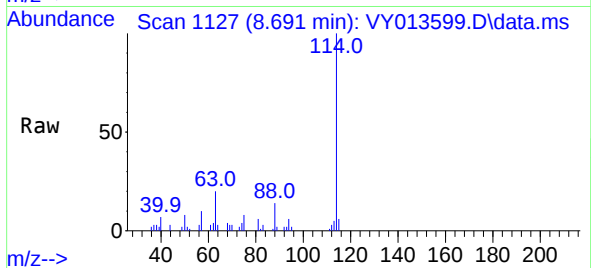
Instrument :

MSVOA_Y

ClientSampleId :

ETGI-328

Tgt Ion:	114	Resp:	16559
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	36.6
88	13.9	0.0	28.8



#35

Dibromofluoromethane

Concen: 68.028 ug/l

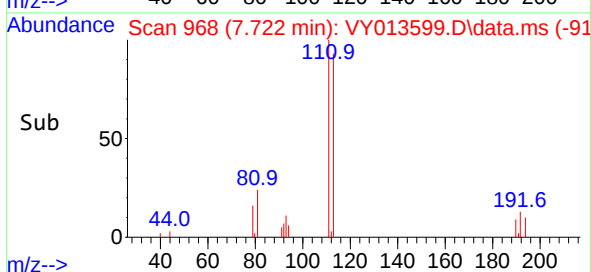
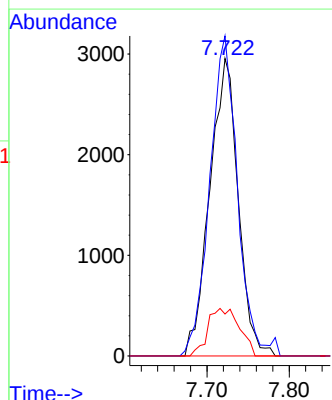
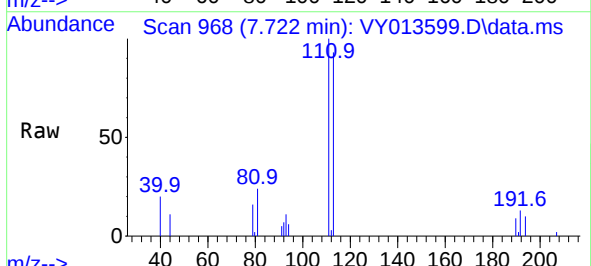
RT: 7.722 min Scan# 968

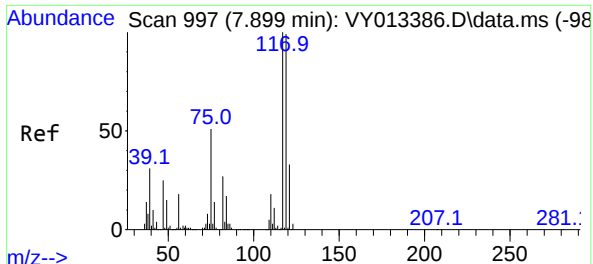
Delta R.T. 0.006 min

Lab File: VY013599.D

Acq: 04 May 2023 14:52

Tgt Ion:	113	Resp:	7085
Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.2	123.2
192	17.8	16.7	25.1

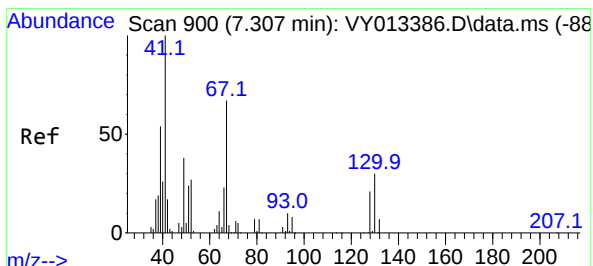
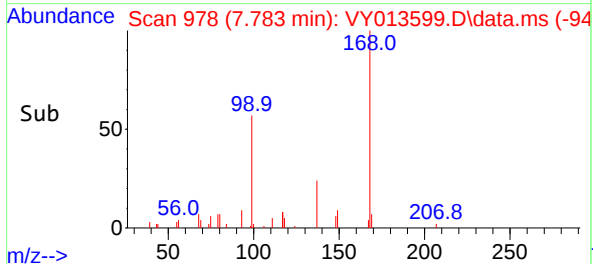
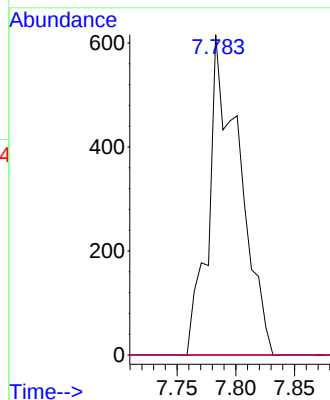
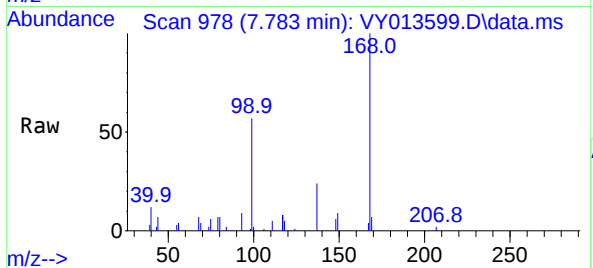




#38
Carbon Tetrachloride
Concen: 6.243 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

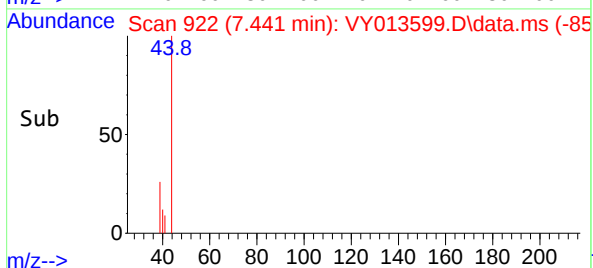
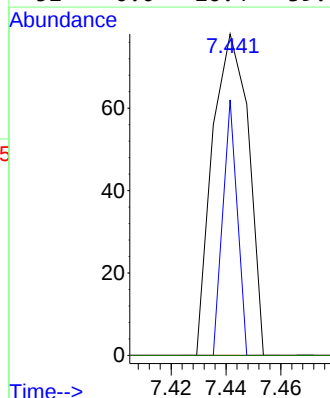
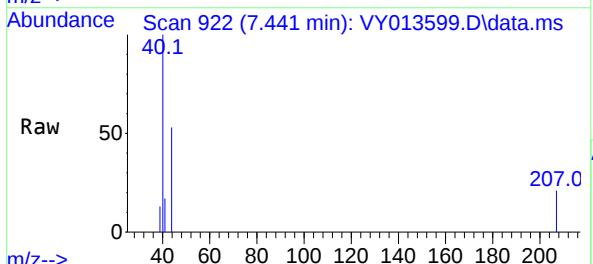
Instrument :
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ClientSampleId :
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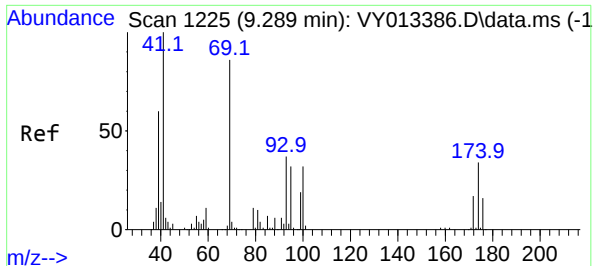
Tgt Ion:117 Resp: 1131
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#



#41
Methacrylonitrile
Concen: 1.171 ug/l
RT: 7.441 min Scan# 922
Delta R.T. 0.134 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

Tgt Ion: 41 Resp: 71
Ion Ratio Lower Upper
41 100
39 32.4 44.2 66.4#
67 0.0 62.9 94.3#
52 0.0 26.4 39.6#

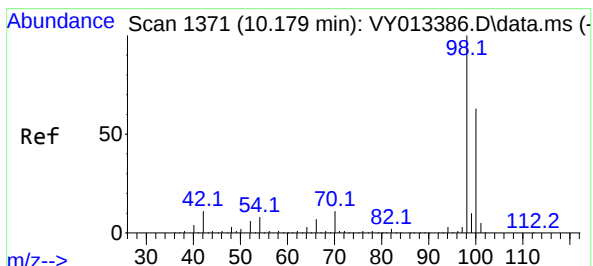
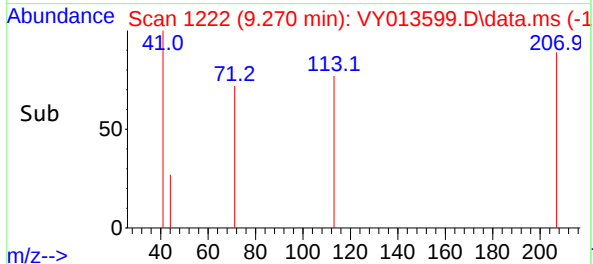
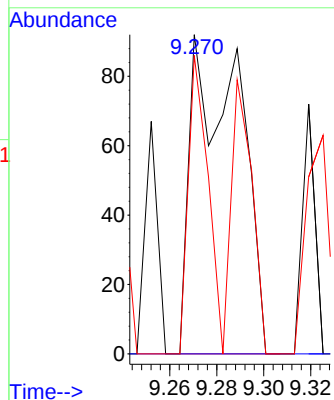
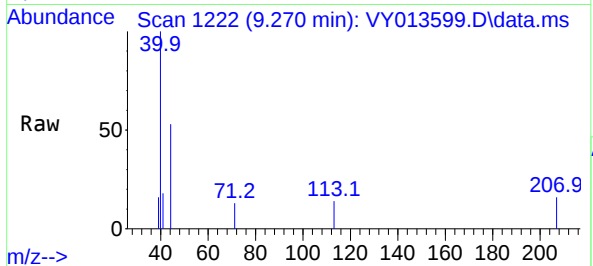




#48
Methyl methacrylate
Concen: 1.309 ug/l
RT: 9.270 min Scan# 11
Delta R.T. -0.019 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

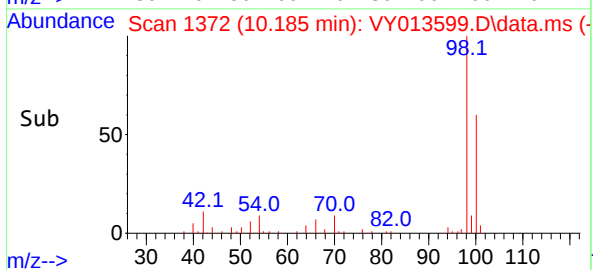
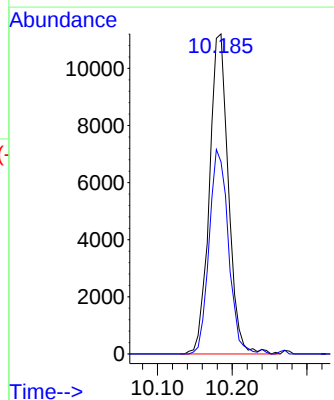
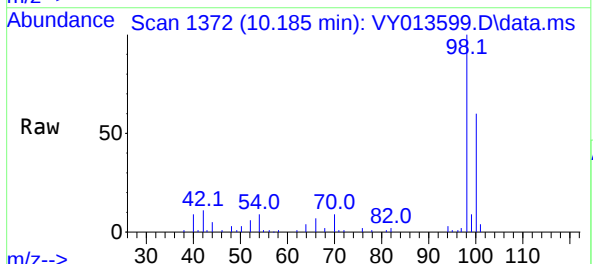
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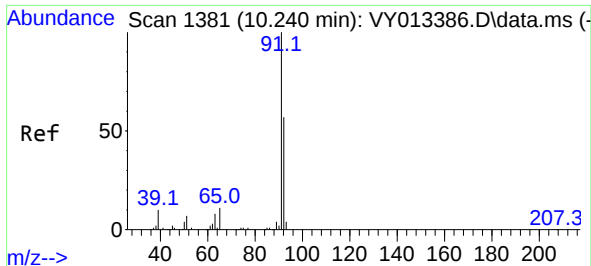
Tgt Ion: 41 Resp: 132
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.4#
39 37.9 47.9 71.9#



#50
Toluene-d8
Concen: 53.420 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

Tgt Ion: 98 Resp: 19792
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7

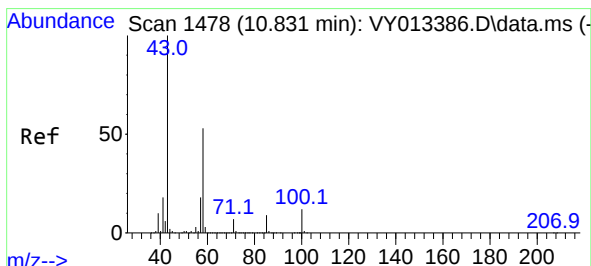
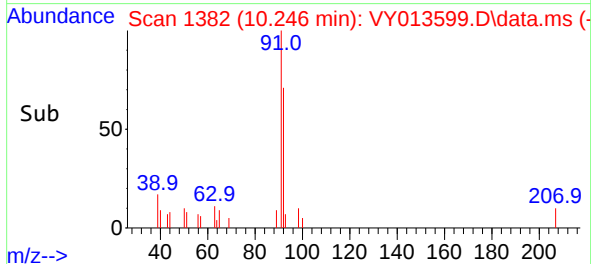
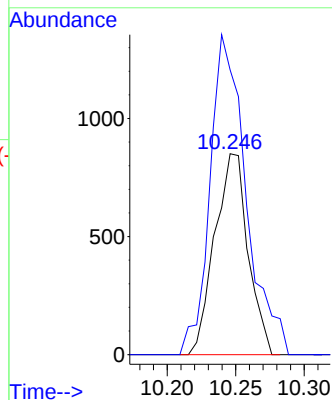
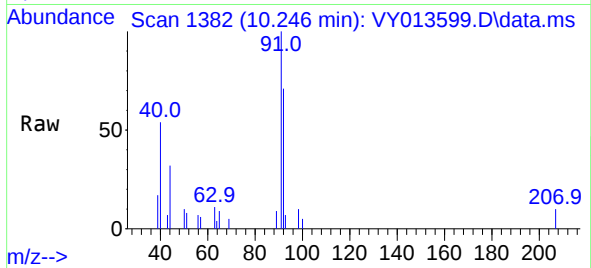




#52
Toluene
Concen: 4.904 ug/l
RT: 10.246 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

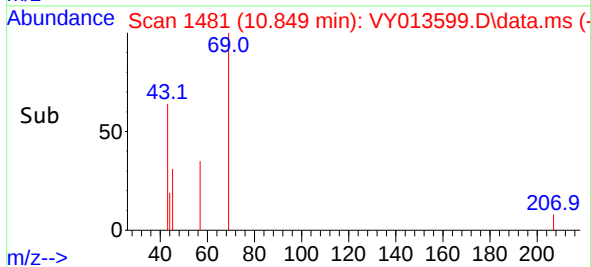
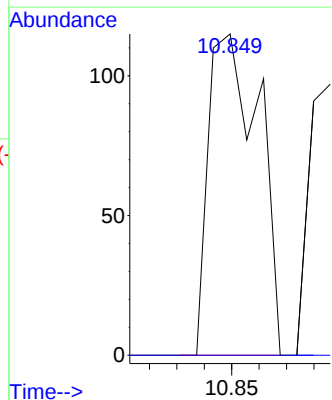
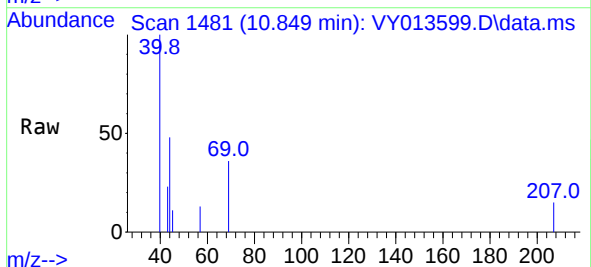
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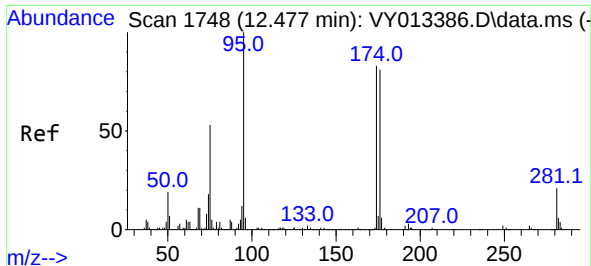
Tgt Ion: 92 Resp: 1437
Ion Ratio Lower Upper
92 100
91 172.6 140.2 210.4



#59
2-Hexanone
Concen: 1.653 ug/l
RT: 10.849 min Scan# 1481
Delta R.T. 0.018 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

Tgt Ion: 43 Resp: 147
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.8#

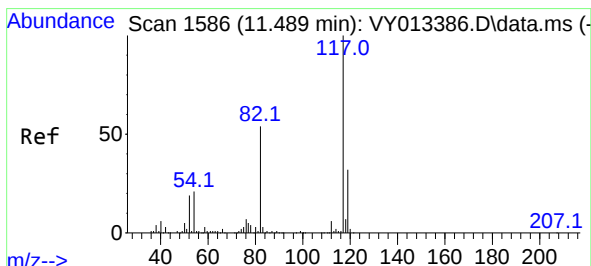
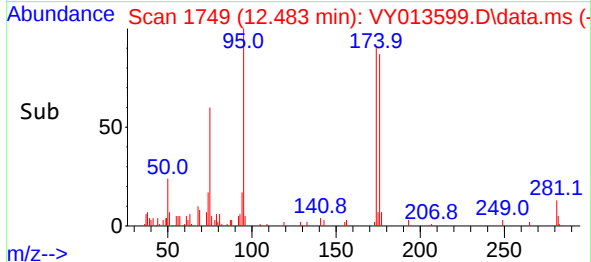
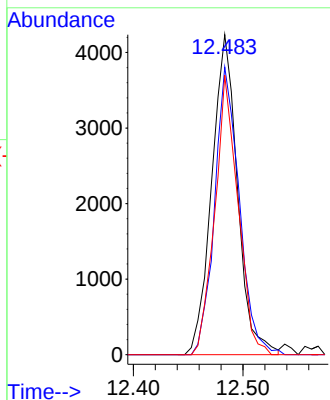
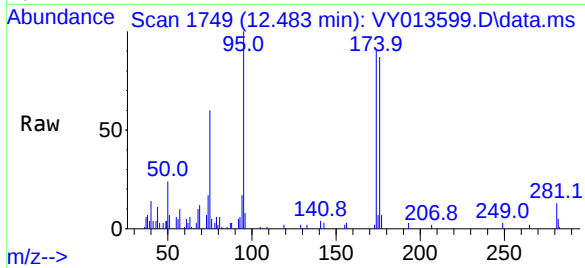




#62
4-Bromofluorobenzene
Concen: 55.298 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

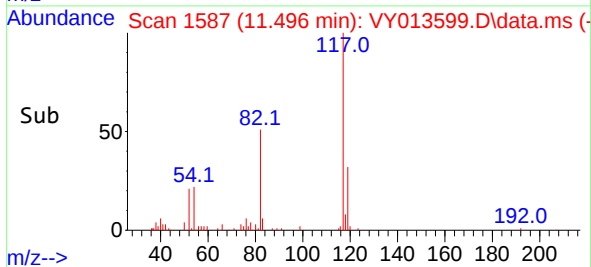
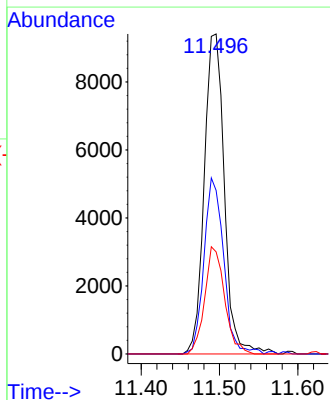
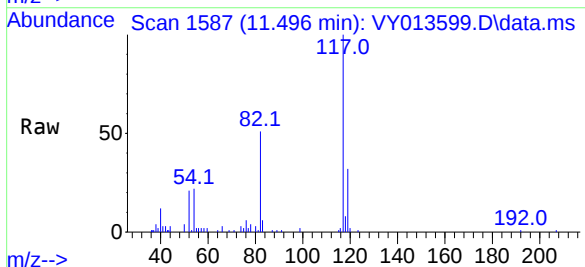
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

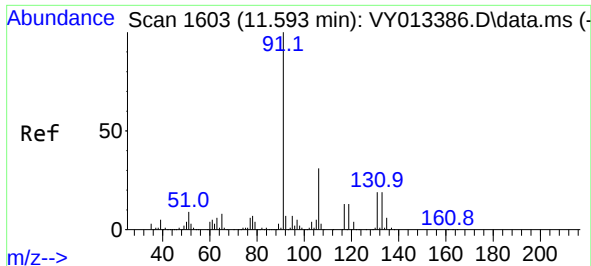
Tgt Ion:	95	Resp:	6907
Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	182.0
176	78.8	0.0	175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

Tgt Ion:	117	Resp:	16757
Ion	Ratio	Lower	Upper
117	100		
82	51.1	43.0	64.6
119	31.9	25.5	38.3





#67

Ethyl Benzene

Concen: 1.028 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY013599.D

Acq: 04 May 2023 14:52

Instrument :

MSVOA_Y

ClientSampleId :

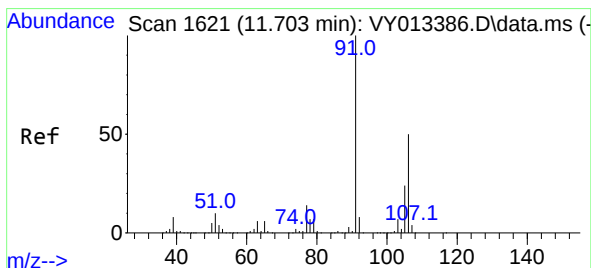
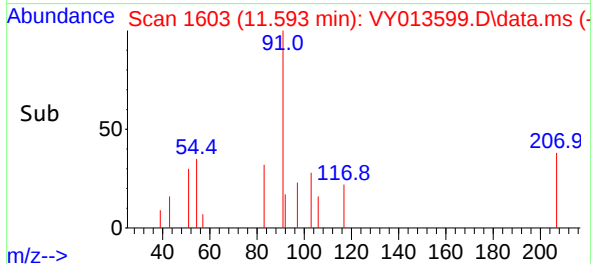
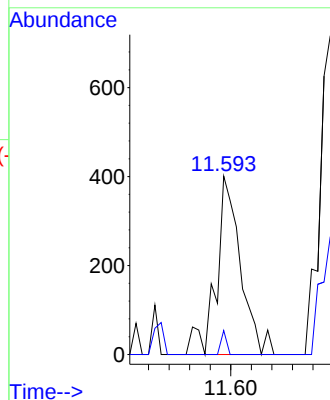
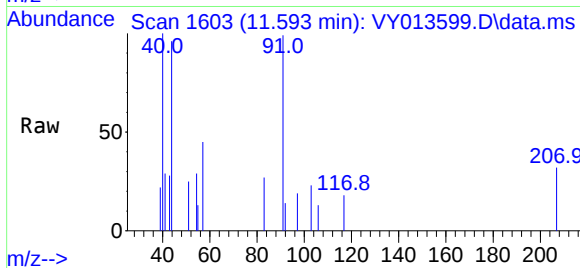
ETGI-328

Tgt Ion: 91 Resp: 659

Ion Ratio Lower Upper

91 100

106 13.5 25.1 37.7#



#68

m/p-Xylenes

Concen: 1.896 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY013599.D

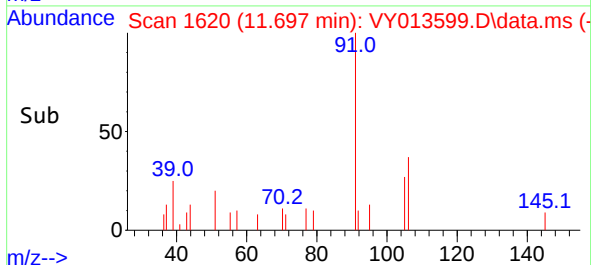
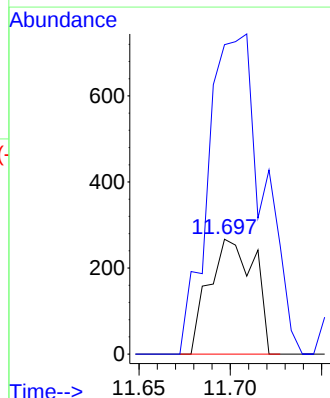
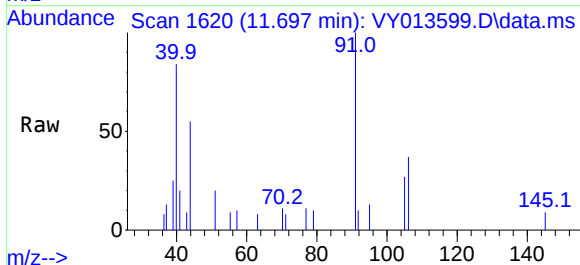
Acq: 04 May 2023 14:52

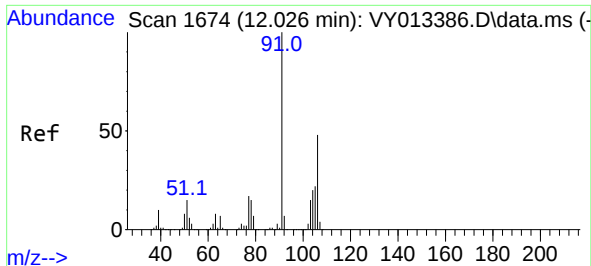
Tgt Ion: 106 Resp: 462

Ion Ratio Lower Upper

106 100

91 336.1 160.9 241.3#

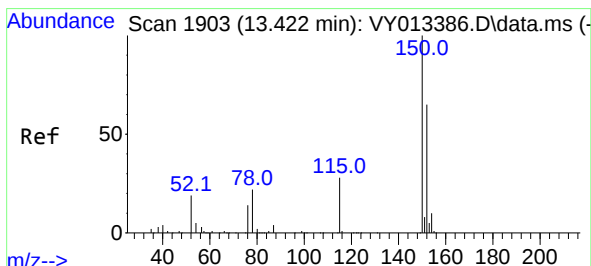
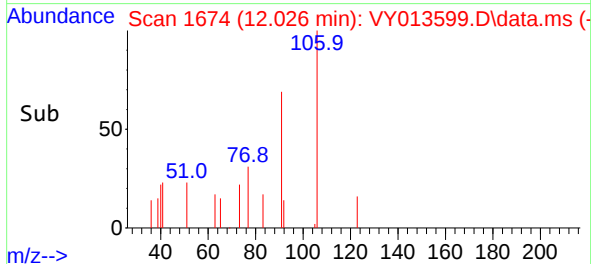
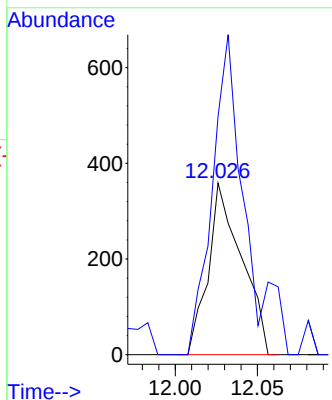
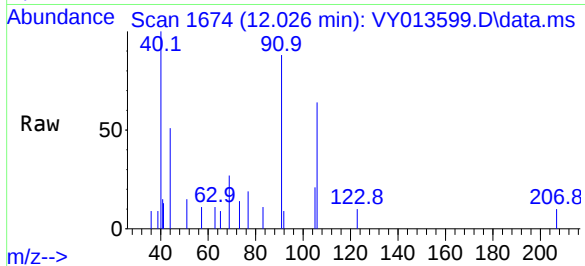




#69
o-Xylene
Concen: 2.204 ug/l
RT: 12.026 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

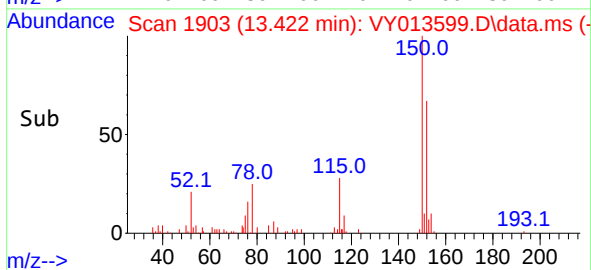
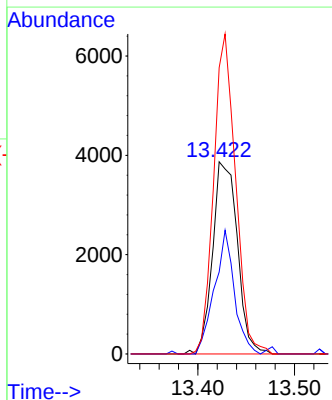
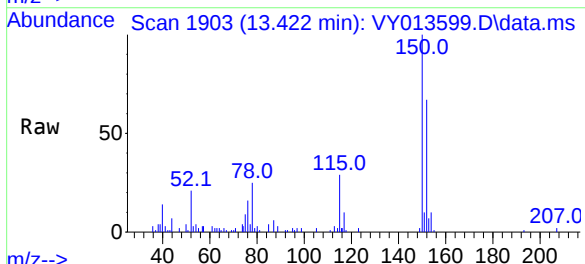
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

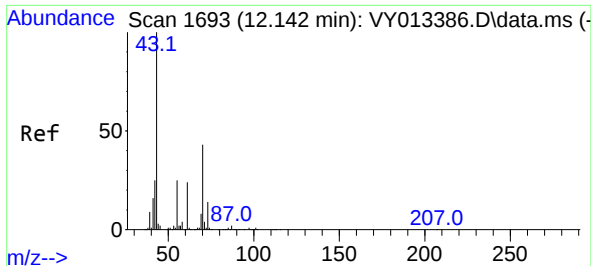
Tgt Ion:106 Resp: 508
Ion Ratio Lower Upper
106 100
91 183.3 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

Tgt Ion:152 Resp: 6872
Ion Ratio Lower Upper
152 100
115 51.9 28.1 84.2
150 147.5 0.0 352.0

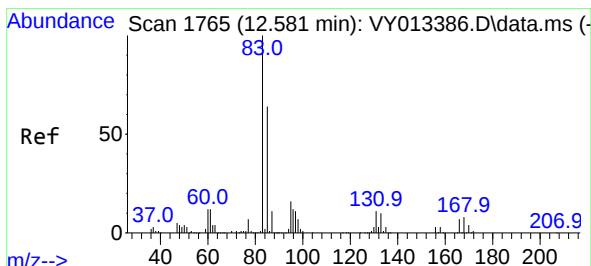
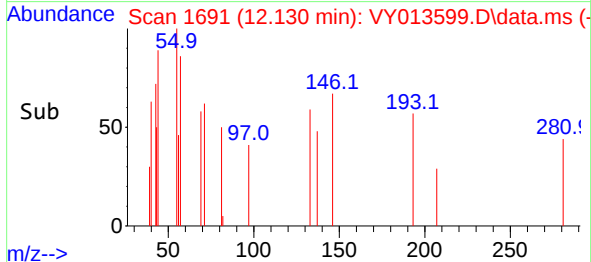
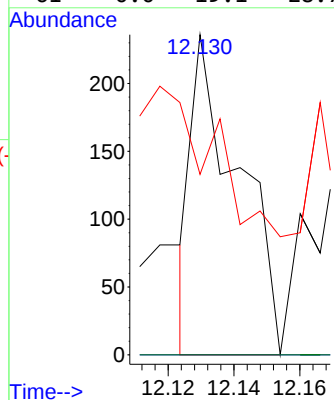
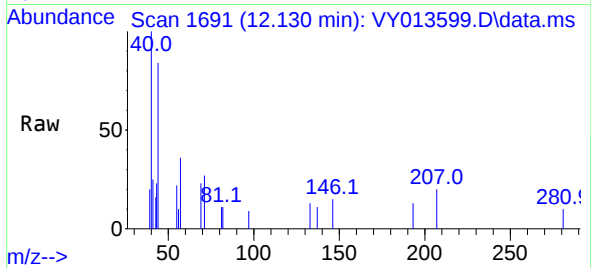




#74
N-amy1 acetate
Concen: 1.254 ug/l
RT: 12.130 min Scan# 1691
Delta R.T. -0.012 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

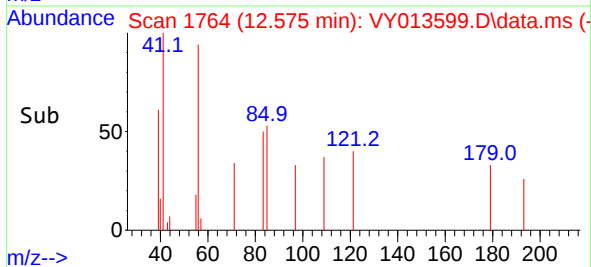
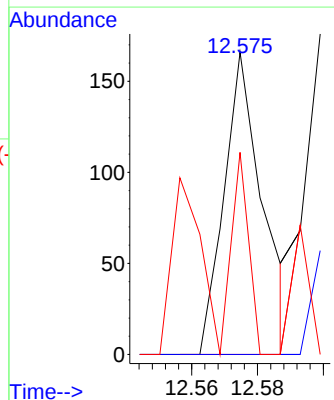
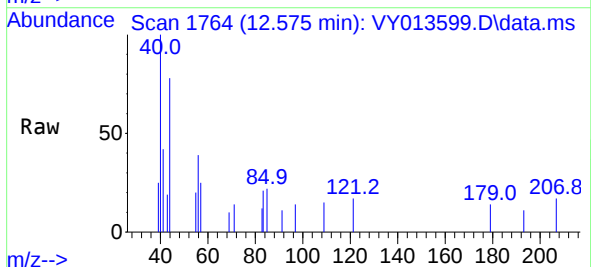
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

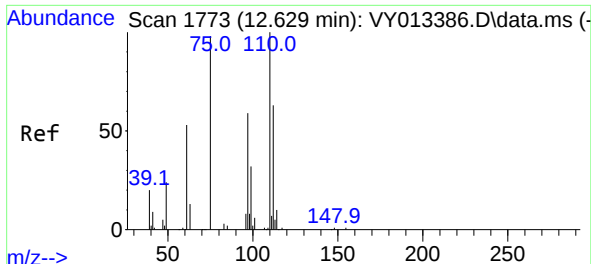
Tgt Ion: 43	Resp: 232
Ion Ratio	Lower Upper
43 100	
70 0.0	33.0 49.4#
55 211.6	19.8 29.6#
61 0.0	19.1 28.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.070 ug/l
RT: 12.575 min Scan# 1764
Delta R.T. -0.006 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

Tgt Ion: 83	Resp: 136
Ion Ratio	Lower Upper
83 100	
131 0.0	5.7 17.0#
85 44.1	31.8 95.4

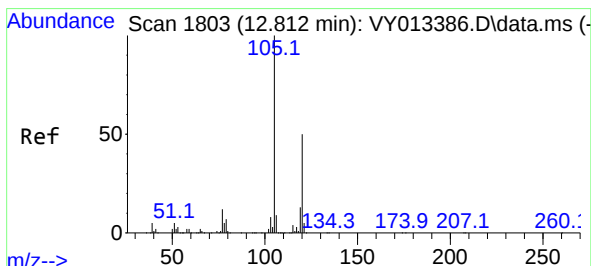
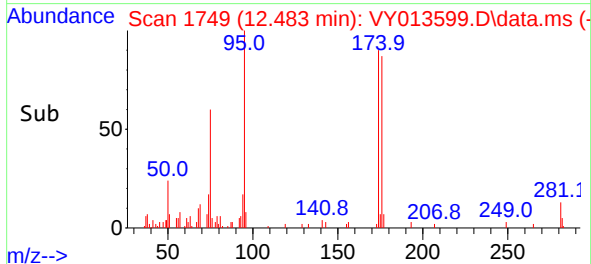
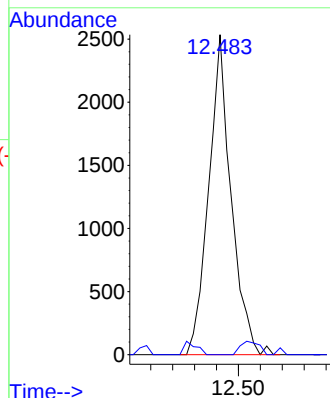
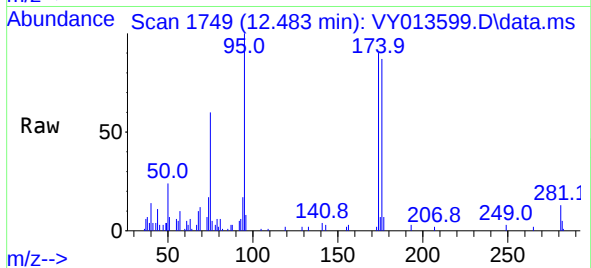




#76
1,2,3-Trichloropropane
Concen: 38.747 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.146 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

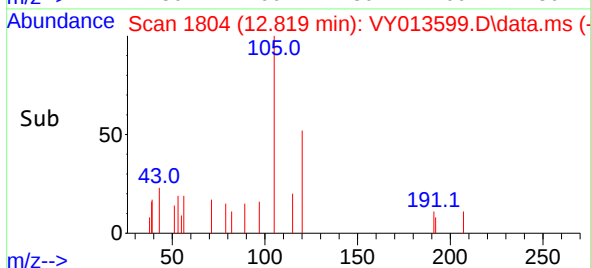
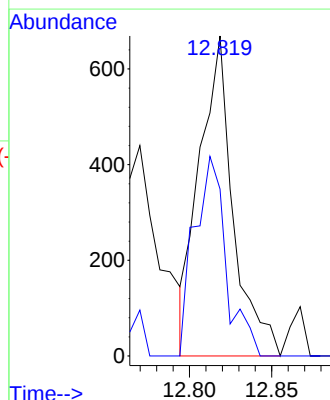
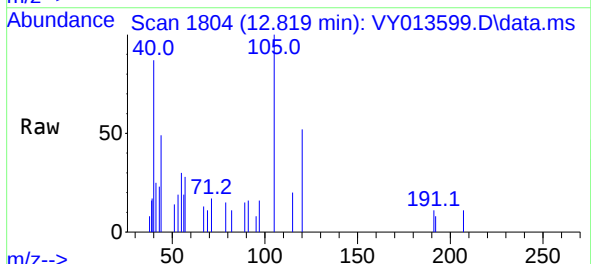
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

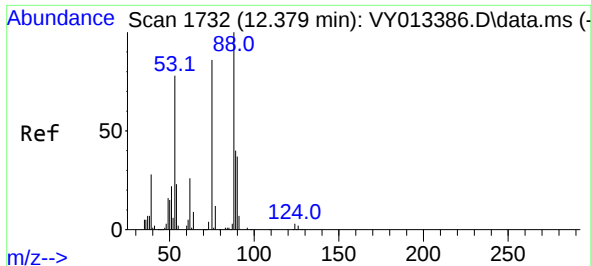
Tgt Ion: 75 Resp: 3591
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#80
1,3,5-Trimethylbenzene
Concen: 2.253 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.007 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

Tgt Ion: 105 Resp: 956
Ion Ratio Lower Upper
105 100
120 58.6 24.7 74.1

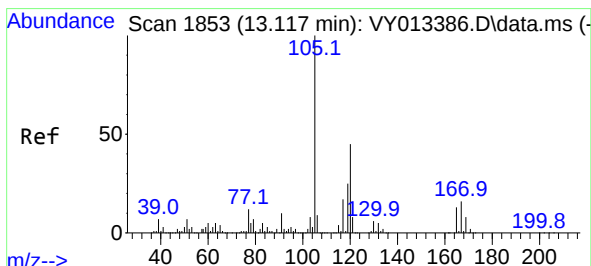
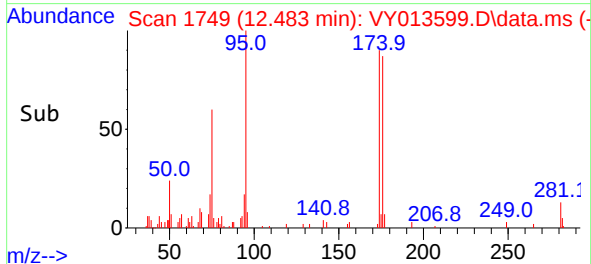
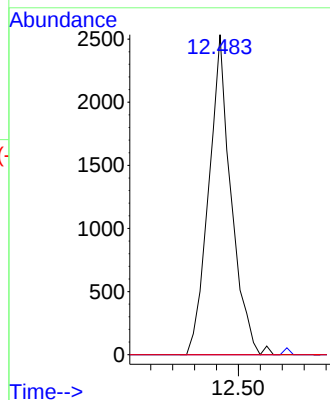
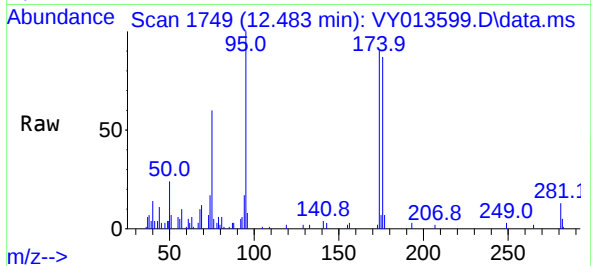




#81
trans-1,4-Dichloro-2-butene
Concen: 79.260 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

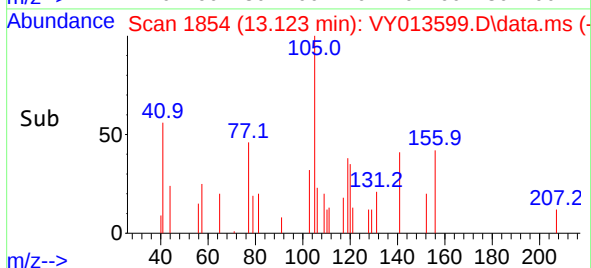
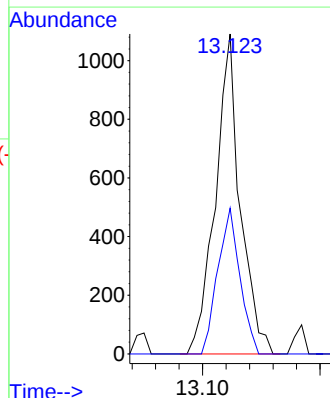
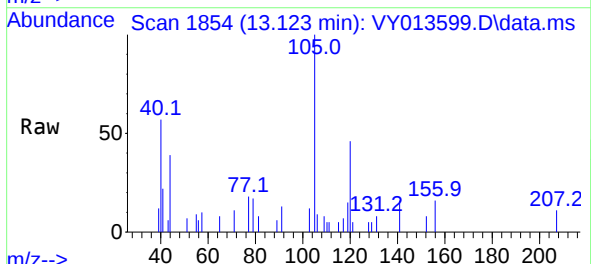
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

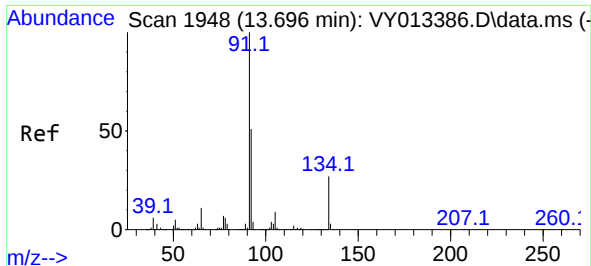
Tgt Ion: 75 Resp: 3591
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.874 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

Tgt Ion:105 Resp: 1598
Ion Ratio Lower Upper
105 100
120 40.6 22.3 66.9

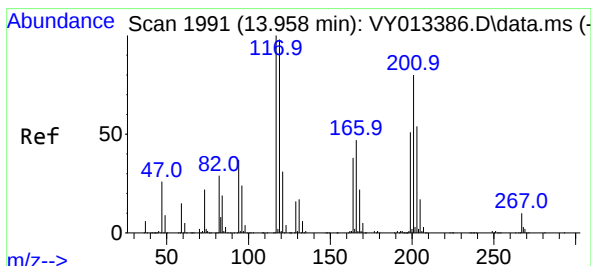
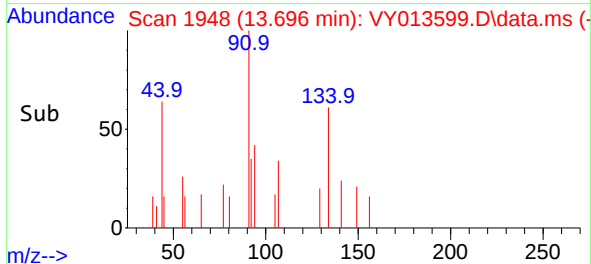
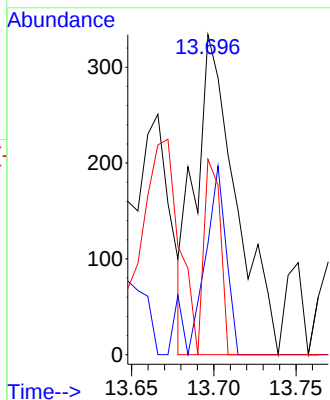
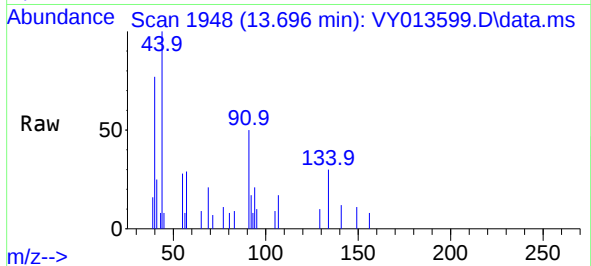




#89
n-Butylbenzene
Concen: 1.337 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

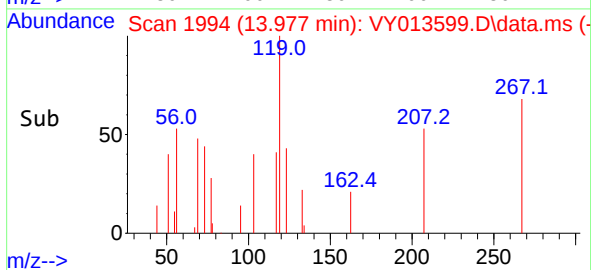
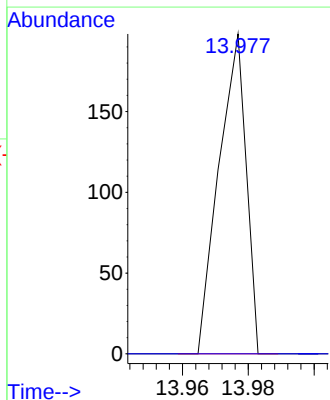
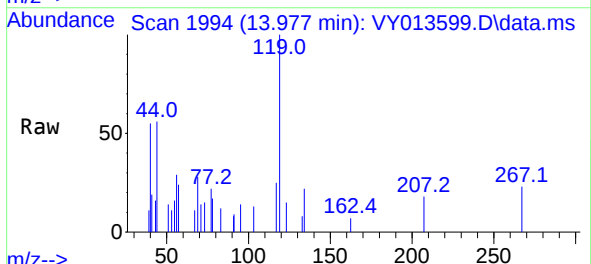
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

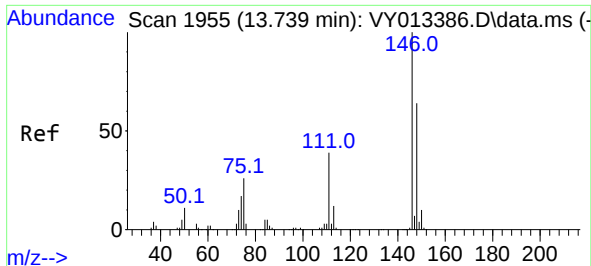
Tgt Ion: 91 Resp: 579
Ion Ratio Lower Upper
91 100
92 32.8 25.8 77.3
134 24.0 13.5 40.4



#90
Hexachloroethane
Concen: 1.221 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.019 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

Tgt Ion: 117 Resp: 114
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#

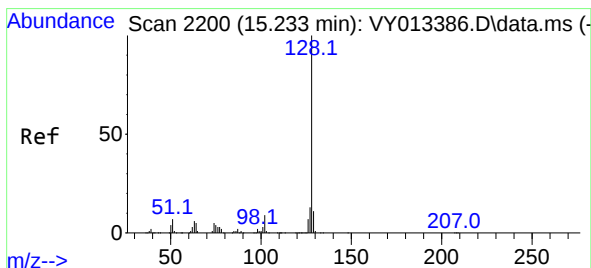
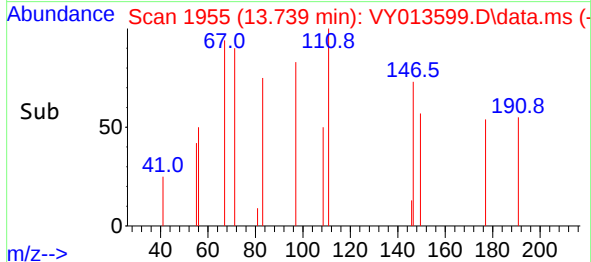
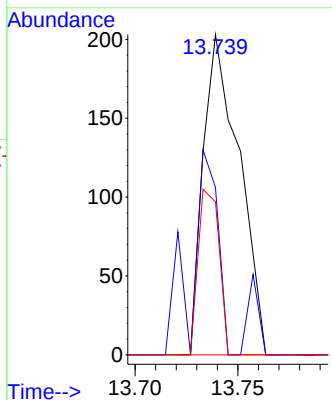
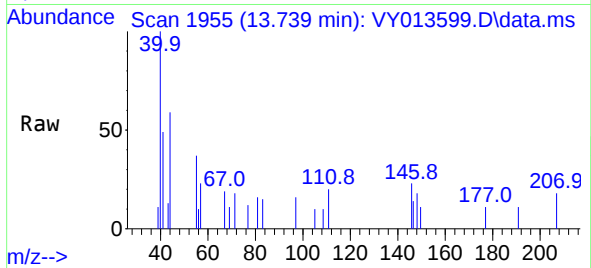




#91
1,2-Dichlorobenzene
Concen: 1.140 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-328

Tgt Ion:	146	Resp:	247
Ion	Ratio	Lower	Upper
146	100		
111	46.6	19.8	59.4
148	30.0	31.8	95.4#



#95
Naphthalene
Concen: 2.315 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.012 min
Lab File: VY013599.D
Acq: 04 May 2023 14:52

Tgt Ion:	128	Resp:	649
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.7	16.1
129	0.0	8.8	13.2#

