

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112122\
 Data File : VY011533.D
 Acq On : 21 Nov 2022 18:45
 Operator : KP/MD
 Sample : N5718-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-339

Quant Time: Nov 22 01:47:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

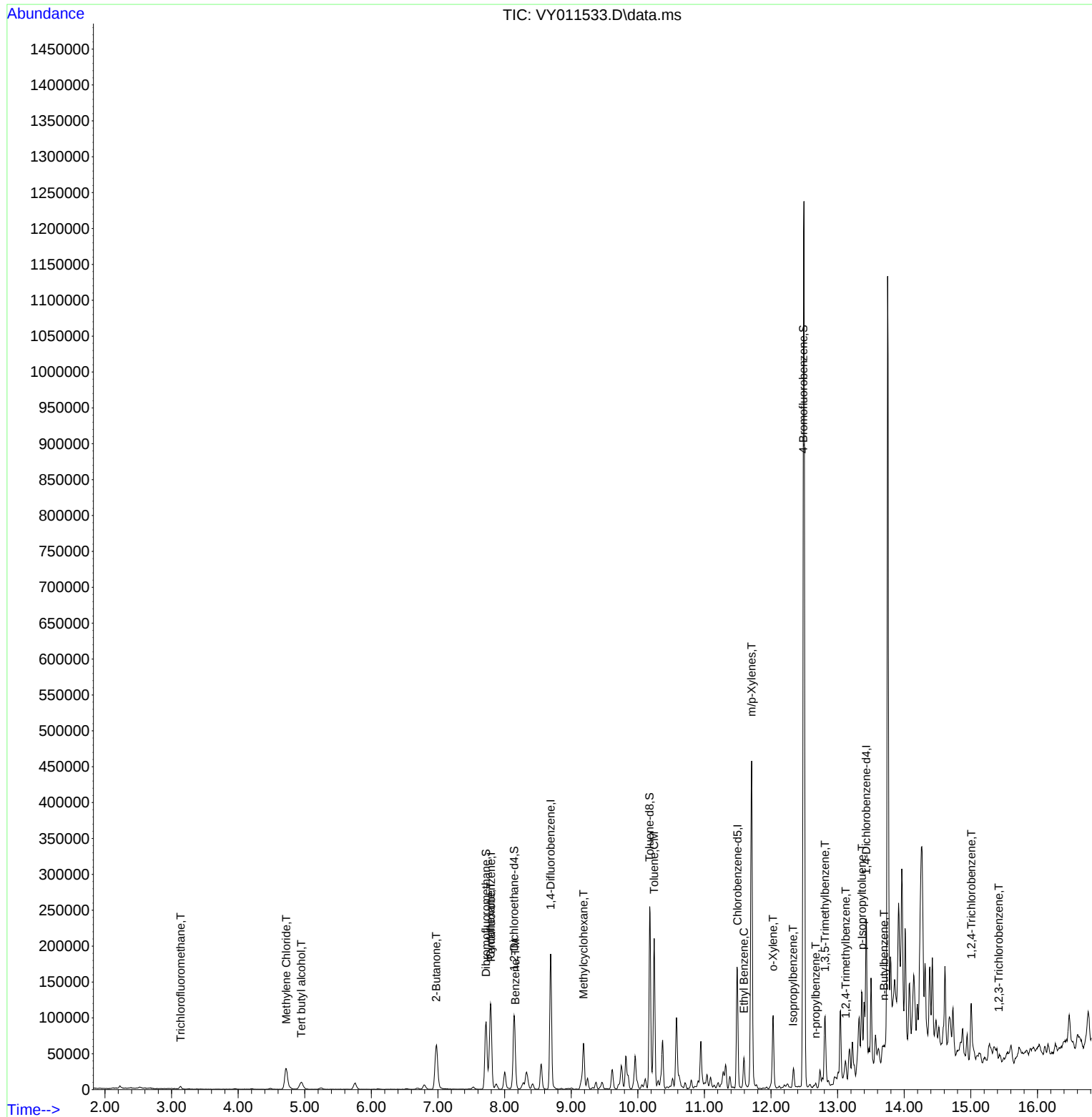
Internal Standards						
1) Pentafluorobenzene	7.795	168	78624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	150337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	91621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	23674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	75163	94.148	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	188.300%#
35) Dibromofluoromethane	7.722	113	66436	71.787	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	143.580%
50) Toluene-d8	10.179	98	141719	42.140	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.280%
62) 4-Bromofluorobenzene	12.483	95	37324	30.017	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	60.040%
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	3.137	101	3458	2.651	ug/l	97
11) Tert butyl alcohol	4.948	59	17016	189.519	ug/l	98
20) Methylene Chloride	4.722	84	21090	13.928	ug/l	89
25) 2-Butanone	6.972	43	3763	11.042	ug/l #	81
31) Cyclohexane	7.789	56	11199	8.463	ug/l #	89
39) Methylcyclohexane	9.185	83	21297	13.192	ug/l	96
40) Benzene	8.161	78	9908	2.351	ug/l	95
52) Toluene	10.246	92	82917	31.116	ug/l	96
67) Ethyl Benzene	11.593	91	27459	7.927	ug/l	100
68) m/p-Xylenes	11.709	106	131076	99.399	ug/l	95
69) o-Xylene	12.032	106	25027	20.385	ug/l	99
73) Isopropylbenzene	12.331	105	3317	1.937	ug/l	88
78) n-propylbenzene	12.672	91	5275	2.525	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	6092	4.221	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	11186	7.847	ug/l	94
86) p-Isopropyltoluene	13.367	119	2954	1.887	ug/l	94
89) n-Butylbenzene	13.696	91	5314	3.693	ug/l #	77
93) 1,2,4-Trichlorobenzene	15.007	180	18803	46.991	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.422	180	3947	11.510	ug/l #	77

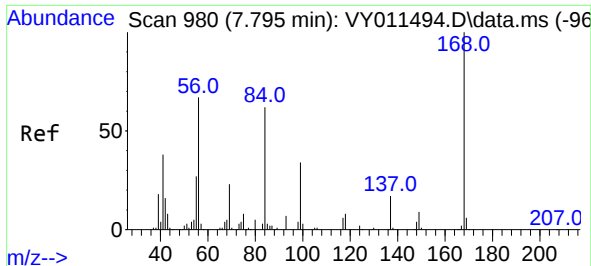
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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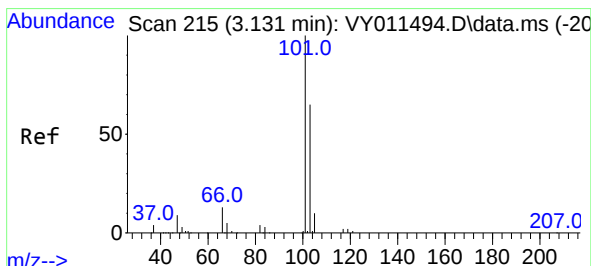
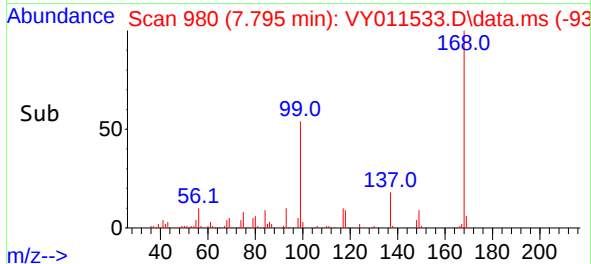
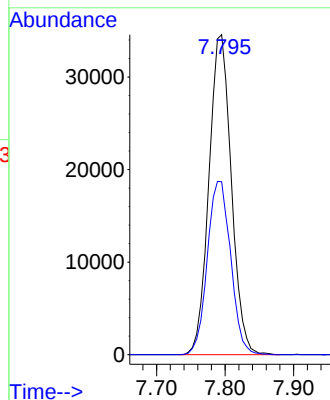
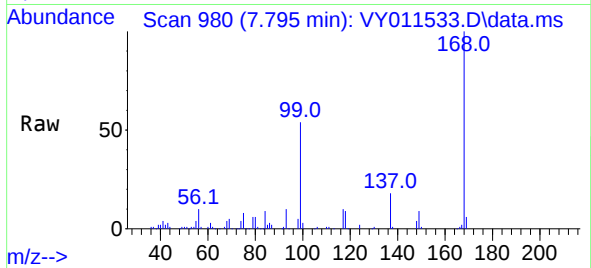




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

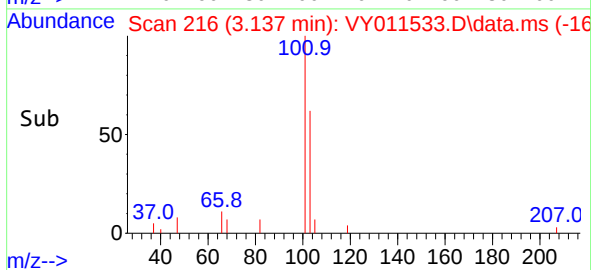
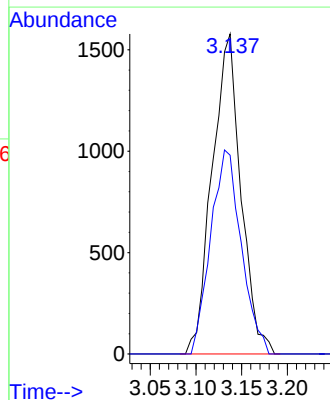
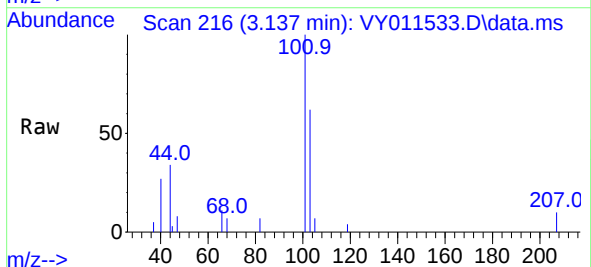
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-339

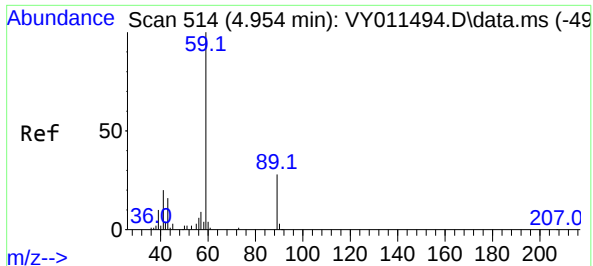
Tgt Ion:168 Resp: 78624
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#7
Trichlorofluoromethane
Concen: 2.651 ug/l
RT: 3.137 min Scan# 216
Delta R.T. 0.006 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

Tgt Ion:101 Resp: 3458
Ion Ratio Lower Upper
101 100
103 62.1 48.0 72.0





#11

Tert butyl alcohol

Concen: 189.519 ug/l

RT: 4.948 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY011533.D

Acq: 21 Nov 2022 18:45

Instrument :

MSVOA_Y

ClientSampleId :

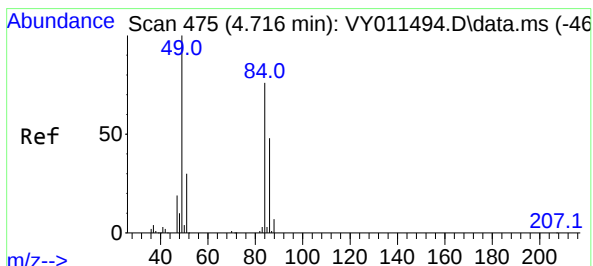
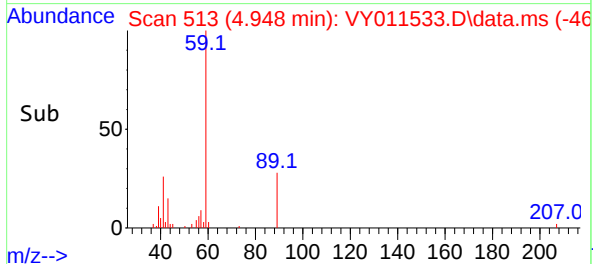
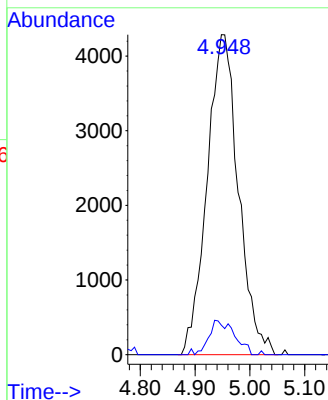
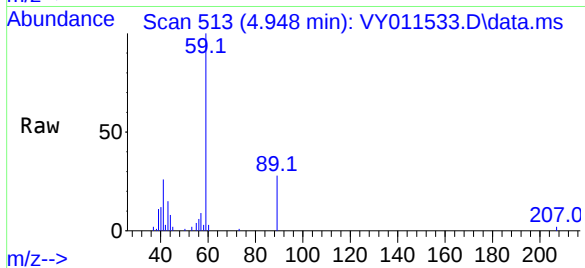
ETGI-339

Tgt Ion: 59 Resp: 17016

Ion Ratio Lower Upper

59 100

57 8.6 6.4 9.6



#20

Methylene Chloride

Concen: 13.928 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY011533.D

Acq: 21 Nov 2022 18:45

Tgt Ion: 84 Resp: 21090

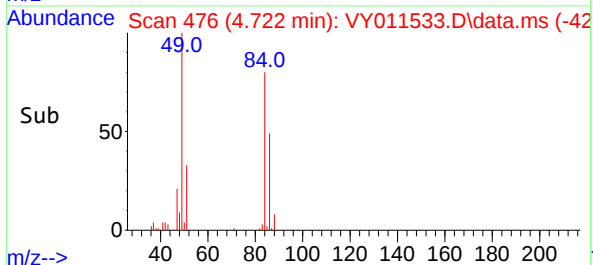
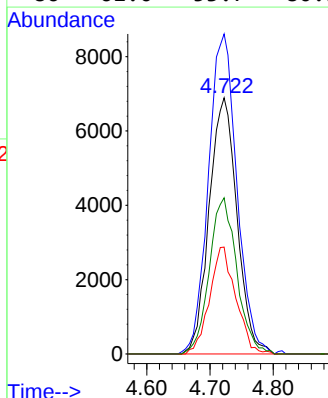
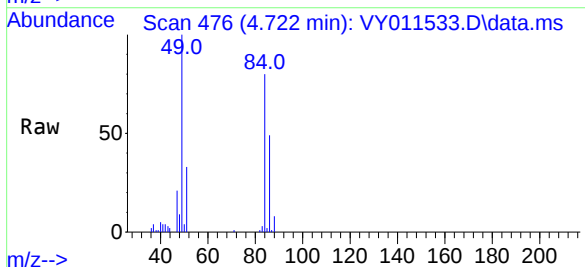
Ion Ratio Lower Upper

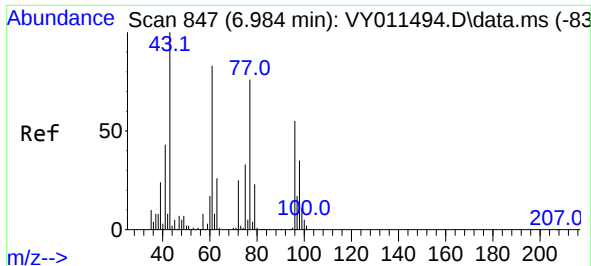
84 100

49 124.9 114.4 171.6

51 41.8 35.3 52.9

86 61.0 53.7 80.5

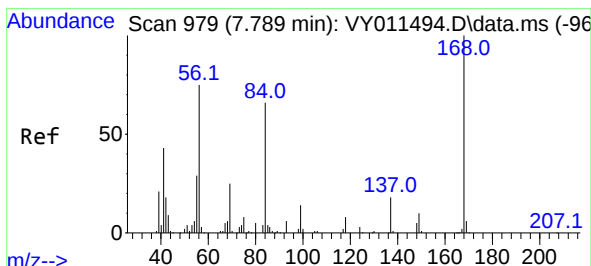
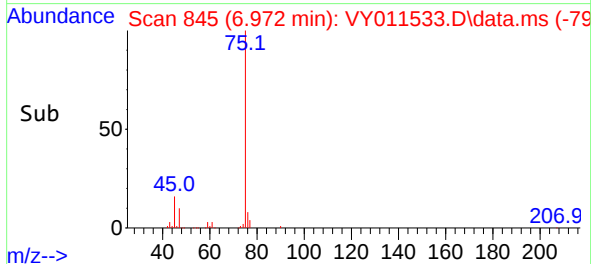
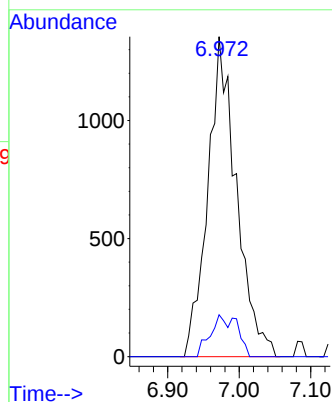
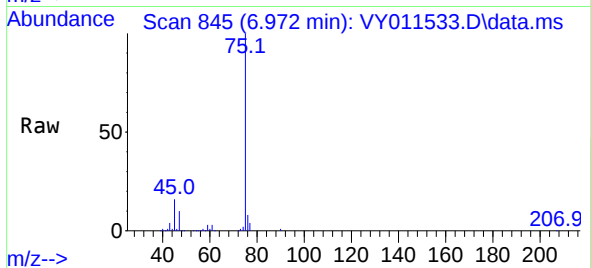




#25
2-Butanone
Concen: 11.042 ug/l
RT: 6.972 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

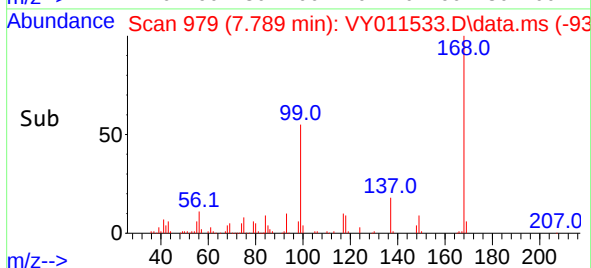
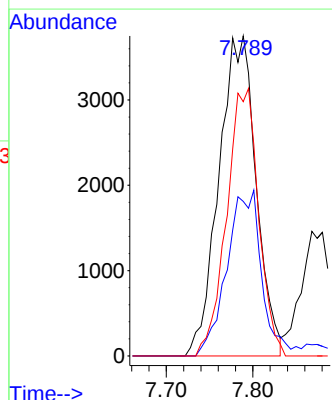
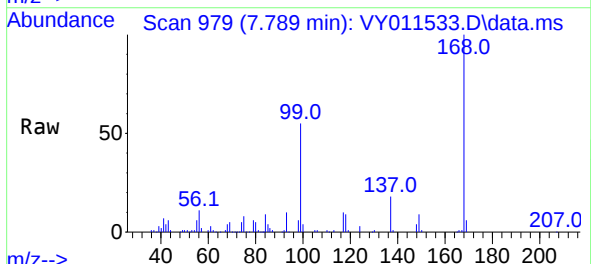
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-339

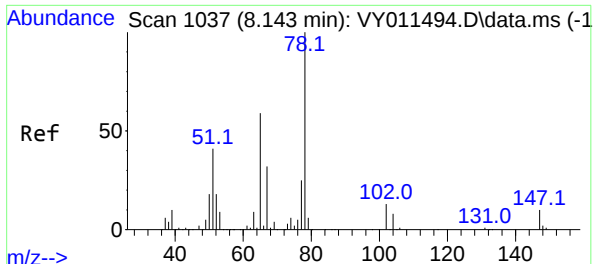
Tgt Ion: 43 Resp: 3763
Ion Ratio Lower Upper
43 100
72 13.1 17.7 26.5#



#31
Cyclohexane
Concen: 8.463 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

Tgt Ion: 56 Resp: 11199
Ion Ratio Lower Upper
56 100
69 48.3 26.7 40.1#
84 79.4 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 94.148 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011533.D

Acq: 21 Nov 2022 18:45

Instrument :

MSVOA_Y

ClientSampleId :

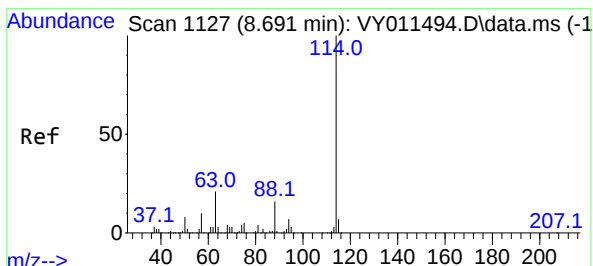
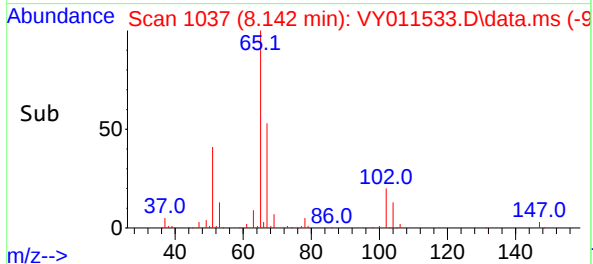
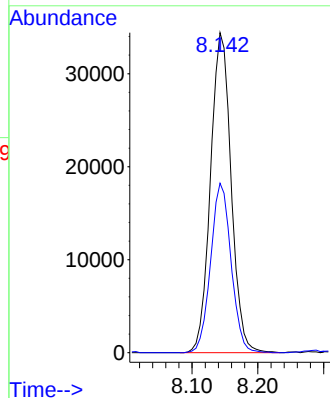
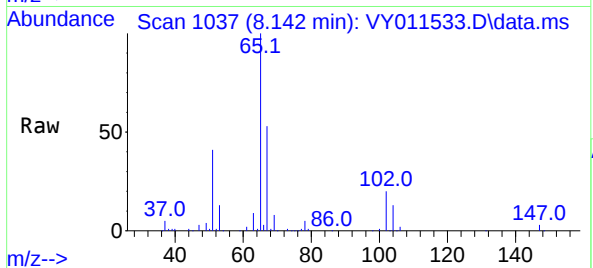
ETGI-339

Tgt Ion: 65 Resp: 75163

Ion Ratio Lower Upper

65 100

67 52.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011533.D

Acq: 21 Nov 2022 18:45

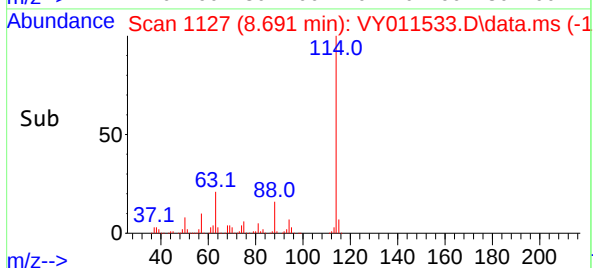
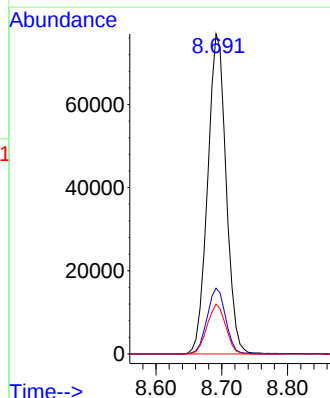
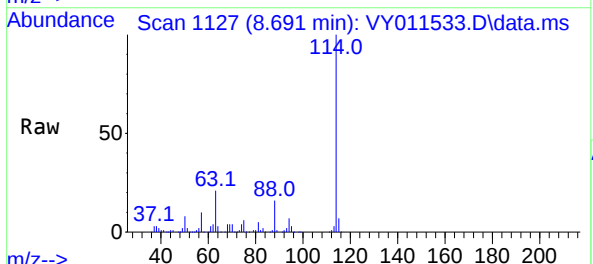
Tgt Ion: 114 Resp: 150337

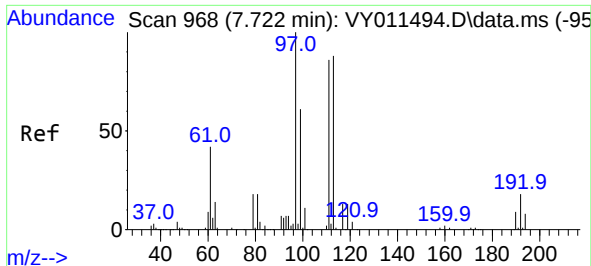
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

88 15.6 0.0 31.8

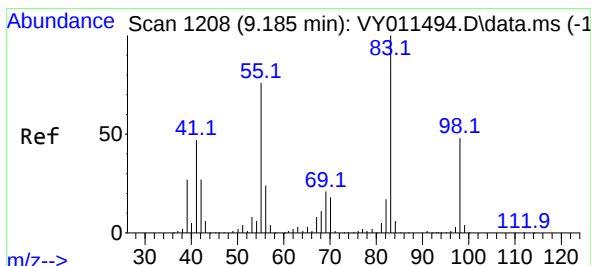
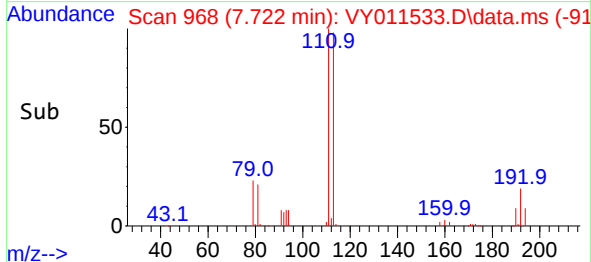
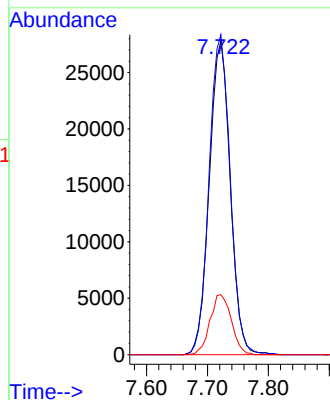
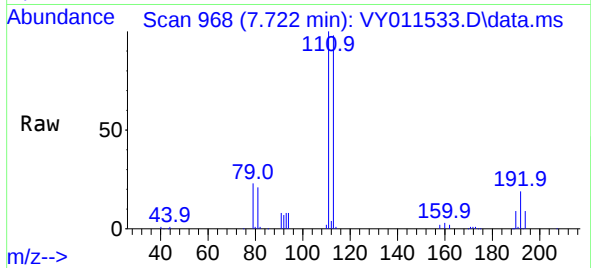




#35
Dibromofluoromethane
Concen: 71.787 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

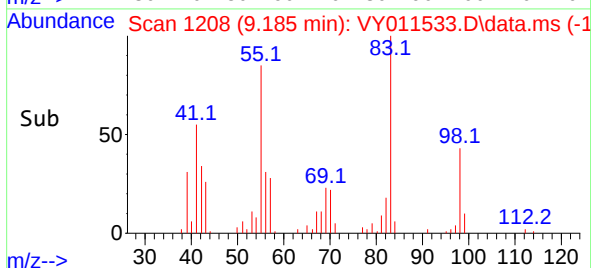
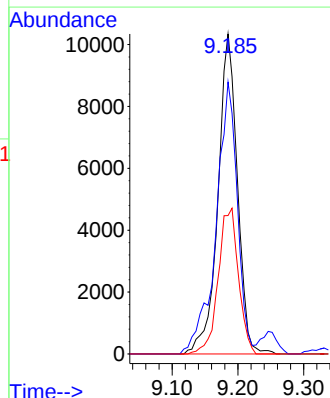
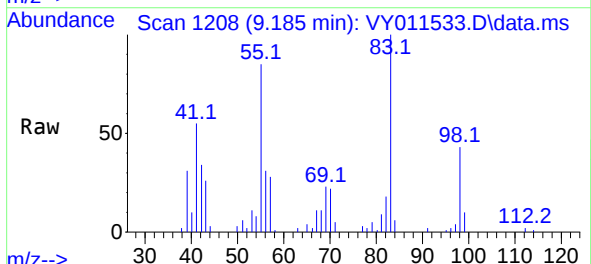
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ETGI-339

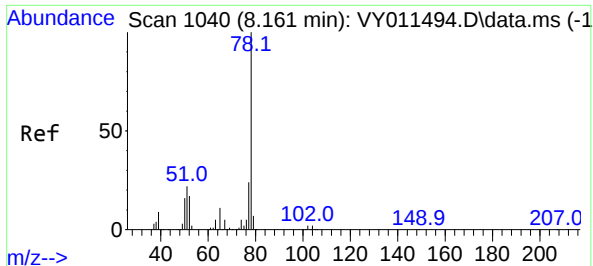
Tgt Ion:113 Resp: 66436
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 19.5 17.6 26.4



#39
Methylcyclohexane
Concen: 13.192 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

Tgt Ion: 83 Resp: 21297
Ion Ratio Lower Upper
83 100
55 85.0 66.5 99.7
98 43.3 37.9 56.9

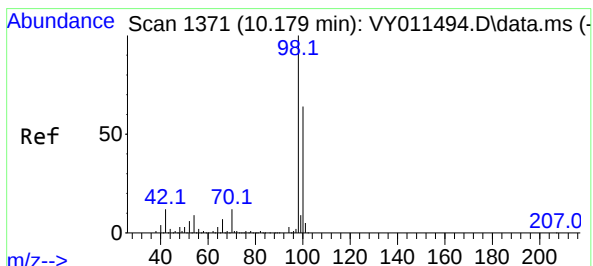
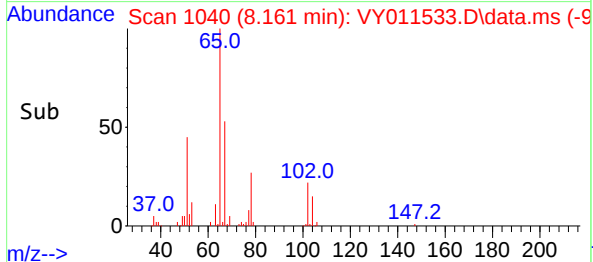
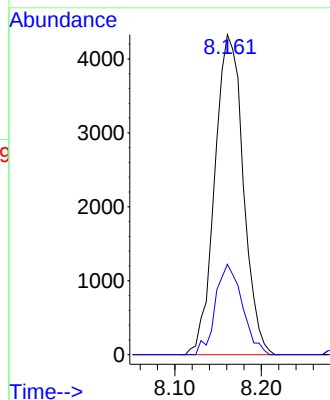
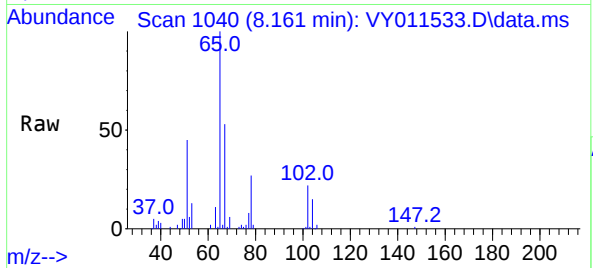




#40
Benzene
Concen: 2.351 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

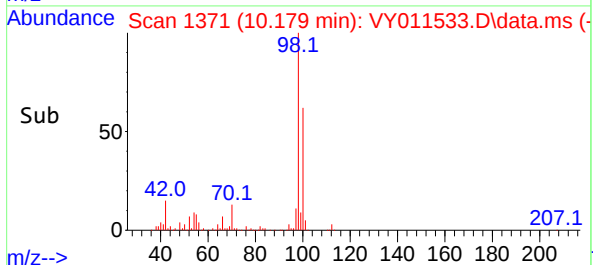
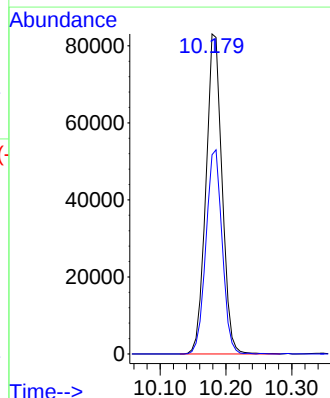
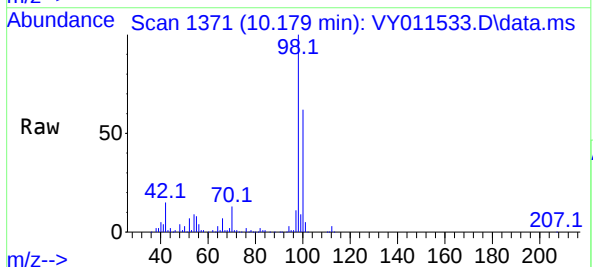
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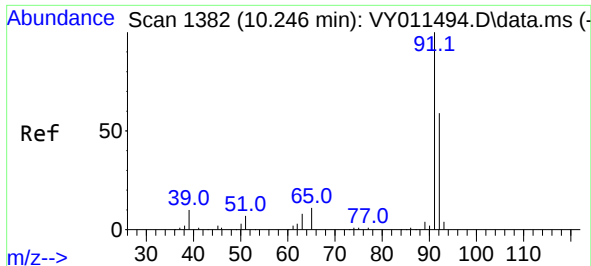
Tgt Ion: 78 Resp: 9908
Ion Ratio Lower Upper
78 100
77 28.3 20.4 30.6



#50
Toluene-d8
Concen: 42.140 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

Tgt Ion: 98 Resp: 141719
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

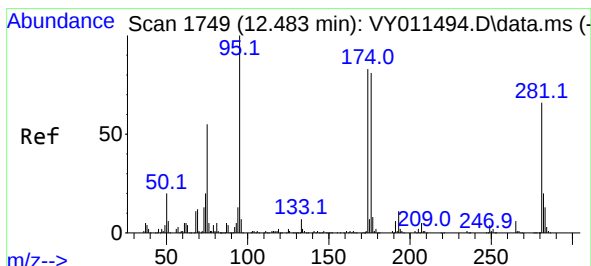
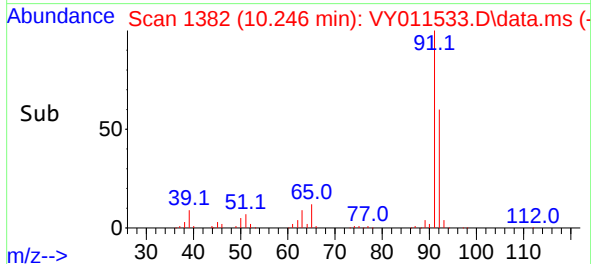
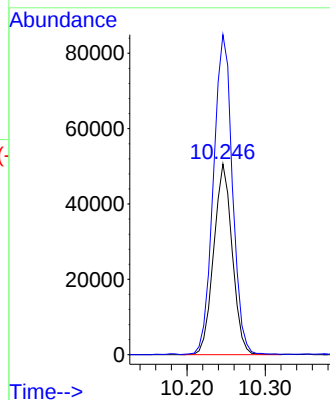
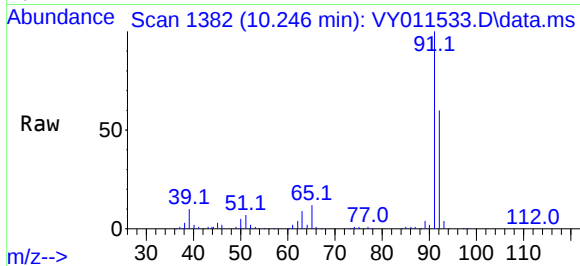




#52
Toluene
Concen: 31.116 ug/l
RT: 10.246 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

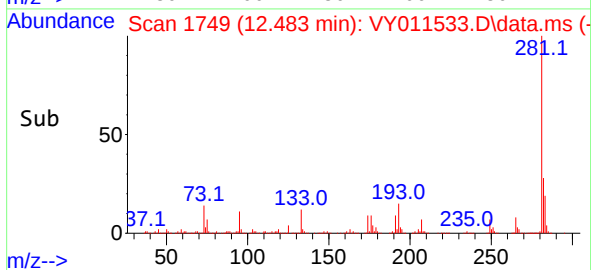
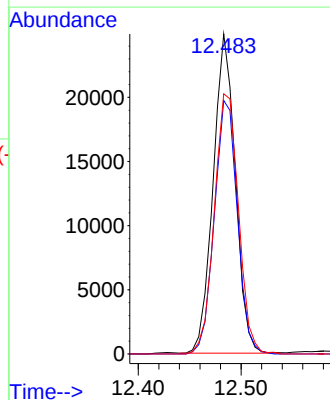
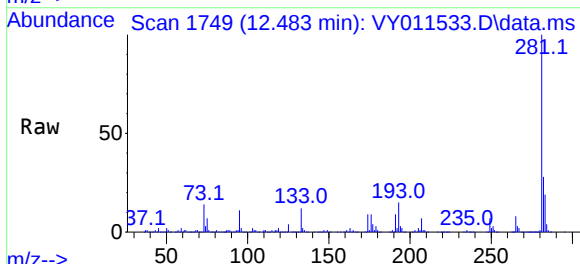
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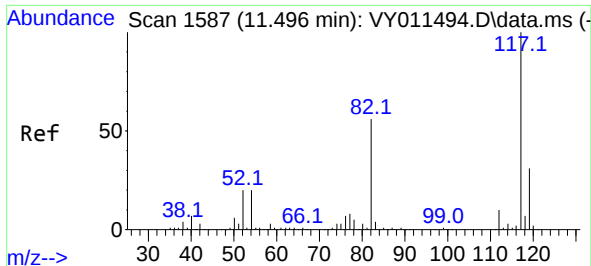
Tgt Ion: 92 Resp: 82917
Ion Ratio Lower Upper
92 100
91 172.5 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 30.017 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

Tgt Ion: 95 Resp: 37324
Ion Ratio Lower Upper
95 100
174 82.2 0.0 177.0
176 88.5 0.0 175.8

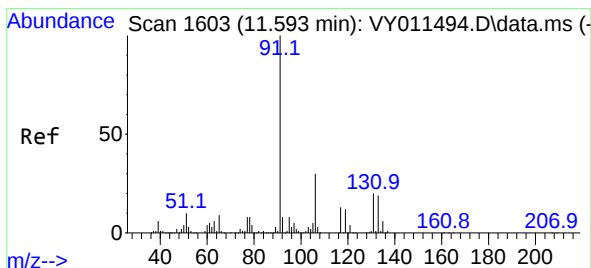
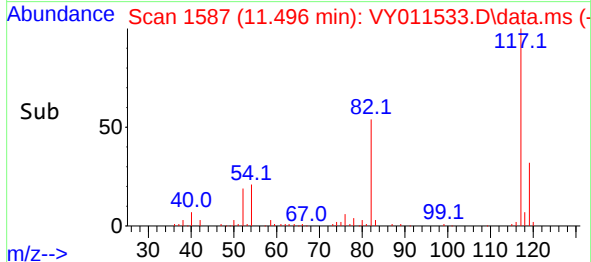
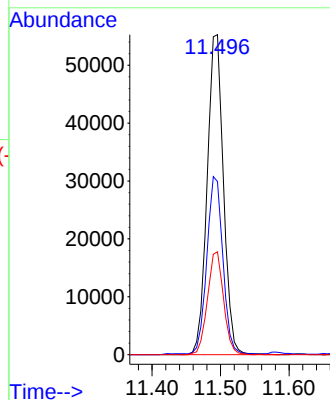
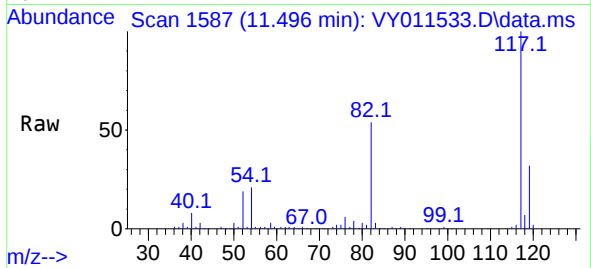




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

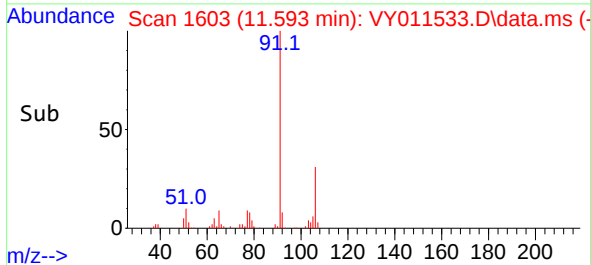
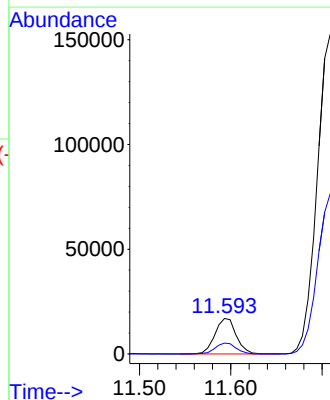
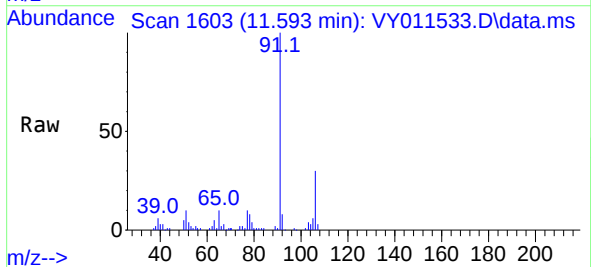
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-339

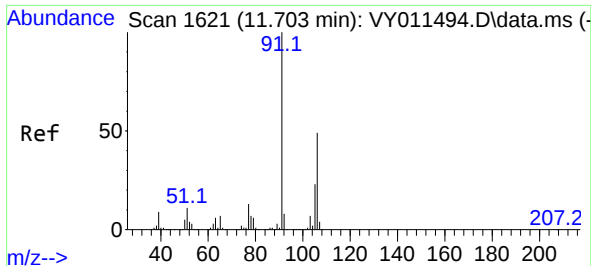
Tgt Ion:117 Resp: 91621
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 32.1 25.4 38.0



#67
Ethyl Benzene
Concen: 7.927 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

Tgt Ion: 91 Resp: 27459
Ion Ratio Lower Upper
91 100
106 30.5 24.5 36.7

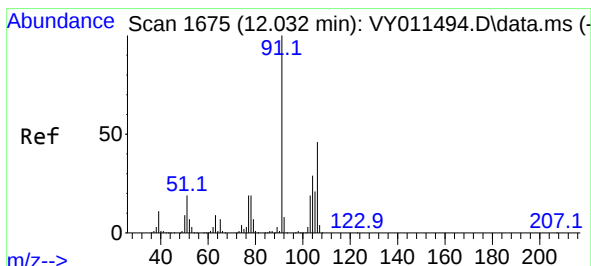
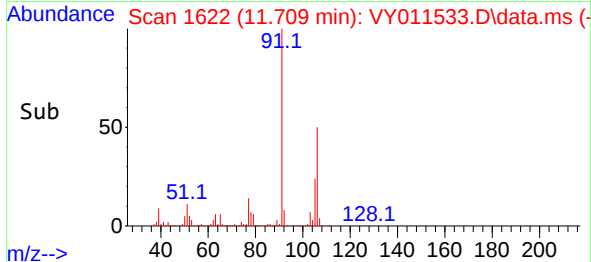
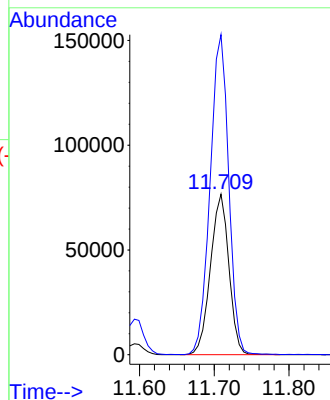
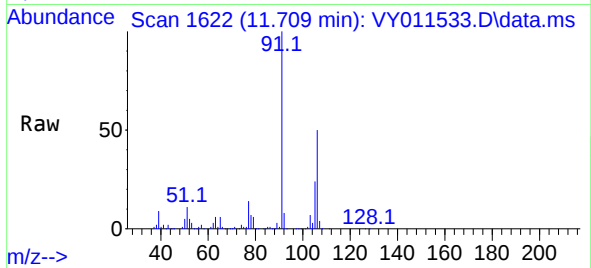




#68
m/p-Xylenes
Concen: 99.399 ug/l
RT: 11.709 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

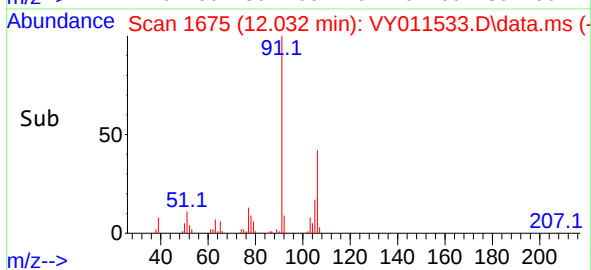
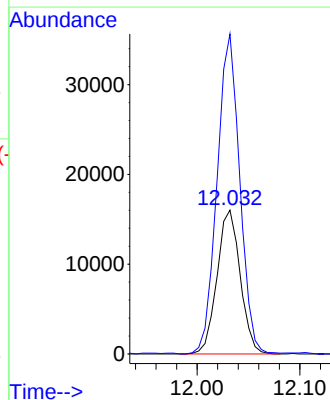
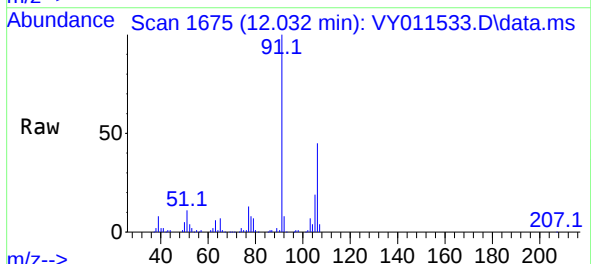
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-339

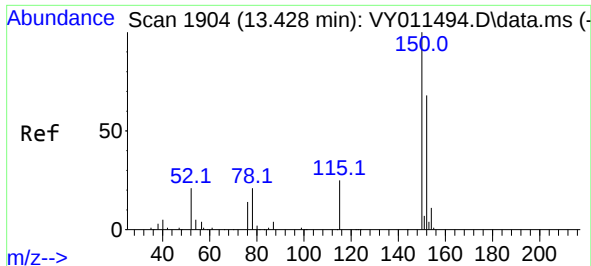
Tgt Ion:106 Resp: 131076
Ion Ratio Lower Upper
106 100
91 200.7 166.6 249.8



#69
o-Xylene
Concen: 20.385 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

Tgt Ion:106 Resp: 25027
Ion Ratio Lower Upper
106 100
91 218.4 110.3 331.0

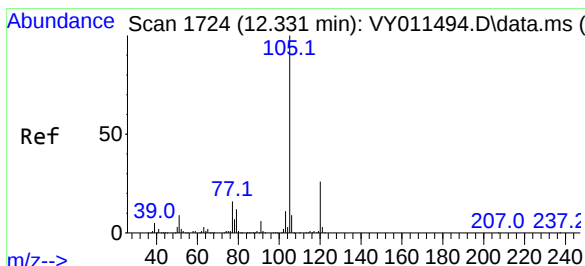
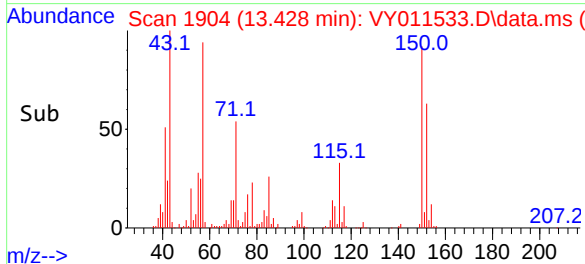
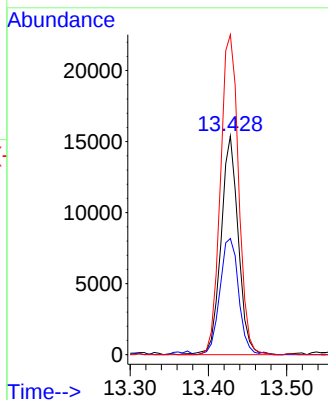
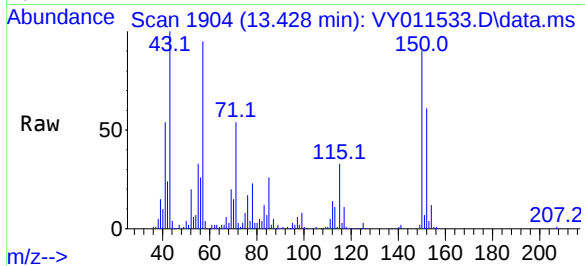




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

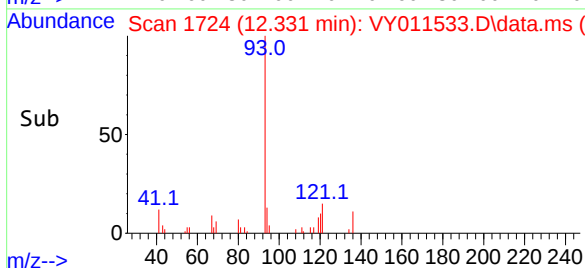
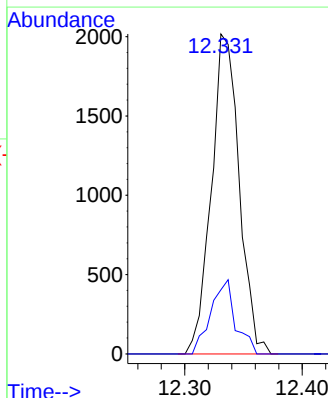
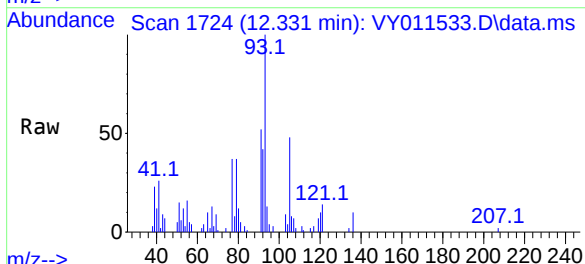
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-339

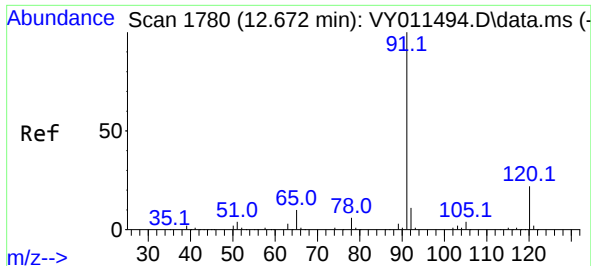
Tgt Ion:152 Resp: 23674
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 153.0 0.0 347.6



#73
Isopropylbenzene
Concen: 1.937 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

Tgt Ion:105 Resp: 3317
Ion Ratio Lower Upper
105 100
120 20.6 13.4 40.2

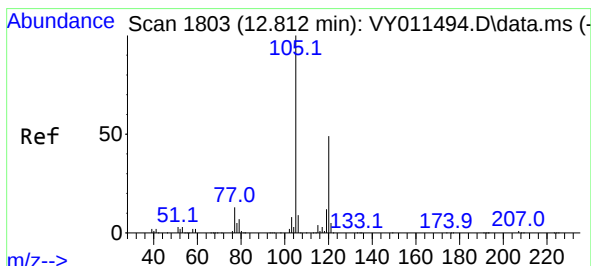
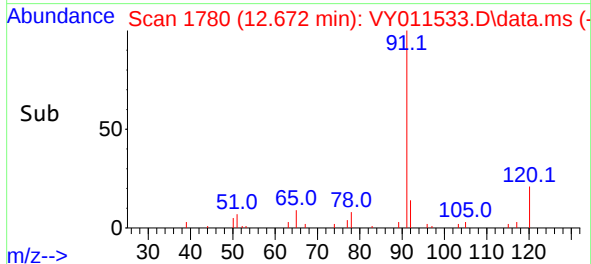
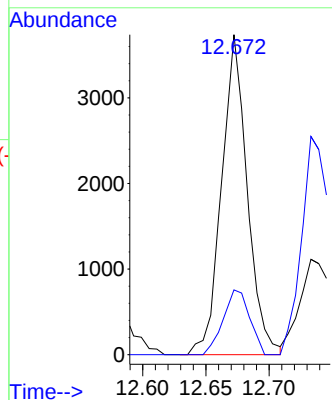
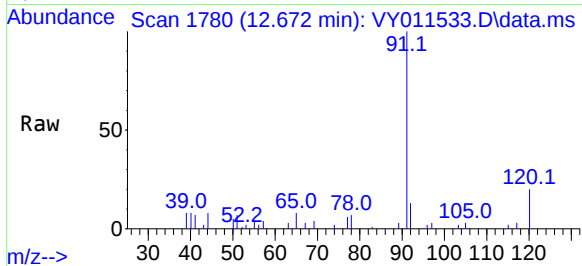




#78
n-propylbenzene
Concen: 2.525 ug/l
RT: 12.672 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

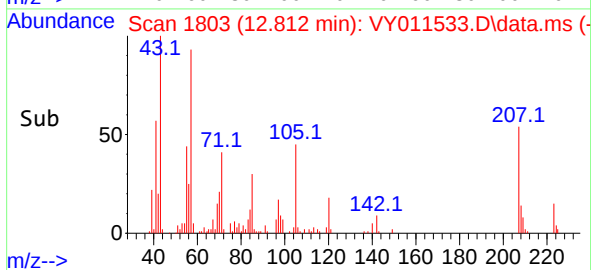
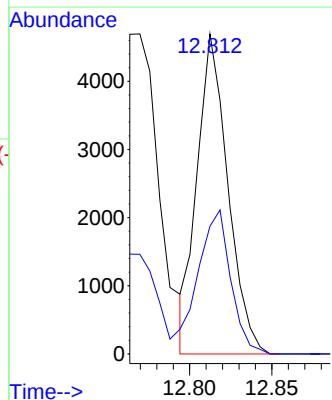
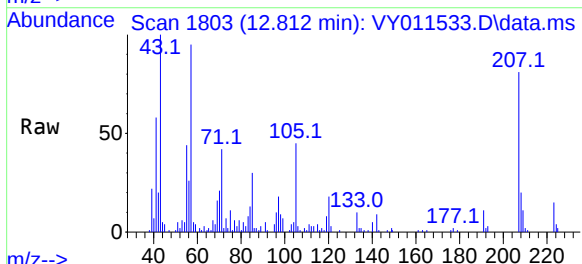
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-339

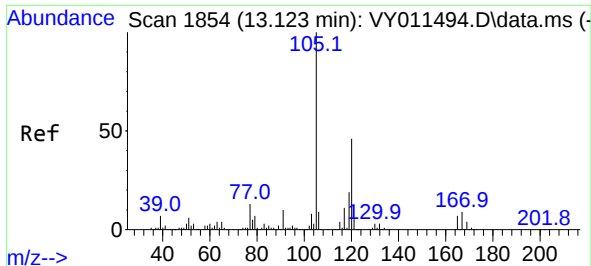
Tgt Ion: 91 Resp: 5275
Ion Ratio Lower Upper
91 100
120 20.9 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 4.221 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

Tgt Ion: 105 Resp: 6092
Ion Ratio Lower Upper
105 100
120 48.6 24.4 73.4

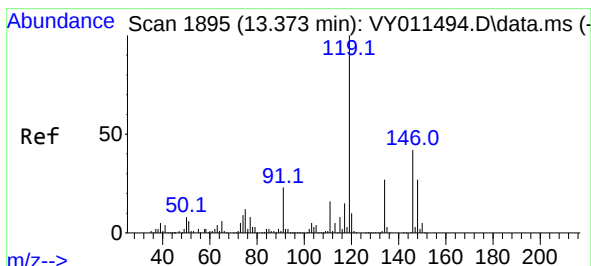
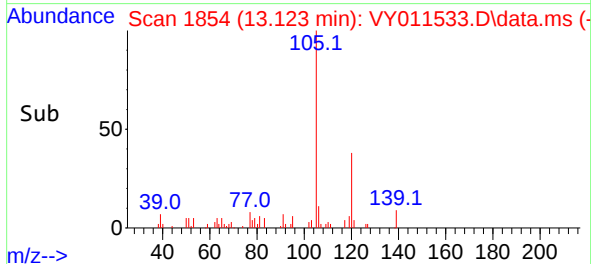
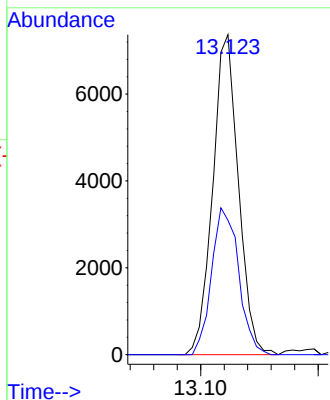
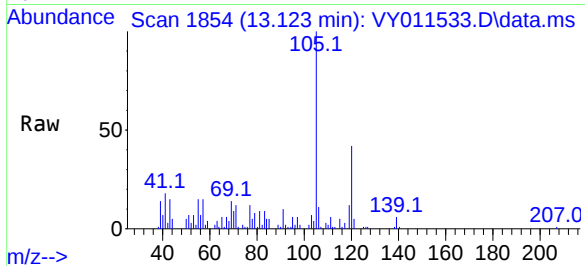




#84
1,2,4-Trimethylbenzene
Concen: 7.847 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

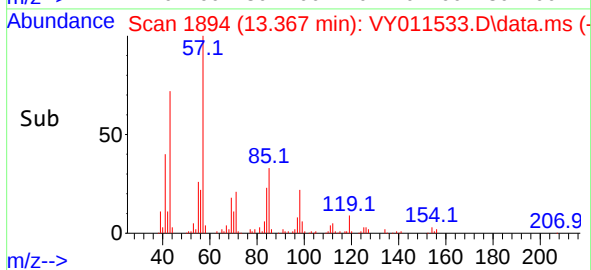
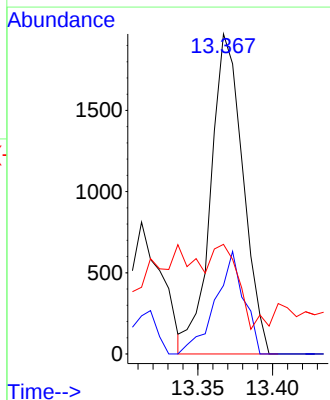
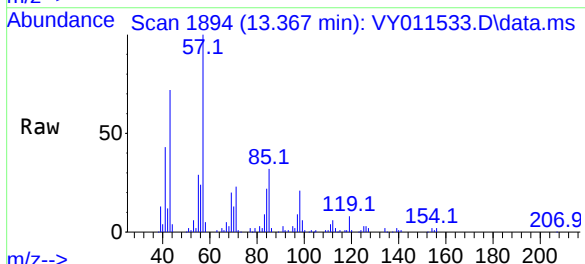
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-339

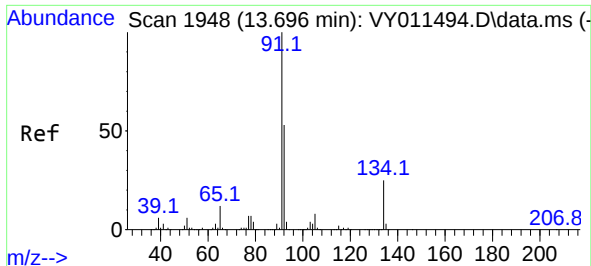
Tgt Ion:105 Resp: 11186
Ion Ratio Lower Upper
105 100
120 48.3 22.3 66.9



#86
p-Isopropyltoluene
Concen: 1.887 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY011533.D
Acq: 21 Nov 2022 18:45

Tgt Ion:119 Resp: 2954
Ion Ratio Lower Upper
119 100
134 28.3 13.2 39.5
91 20.7 12.4 37.2





#89

n-Butylbenzene

Concen: 3.693 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY011533.D

Acq: 21 Nov 2022 18:45

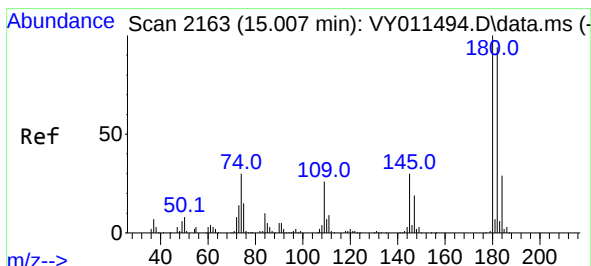
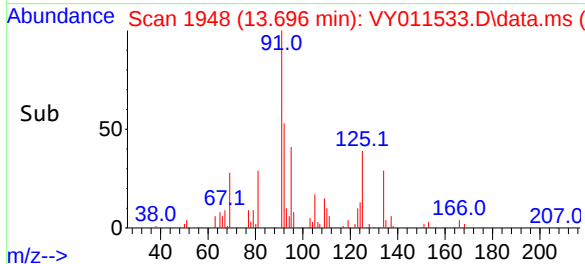
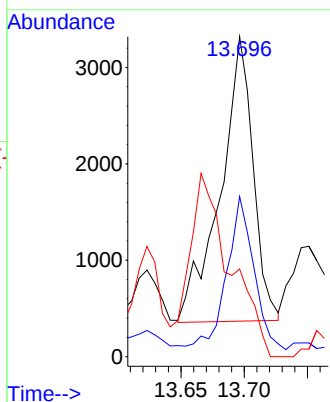
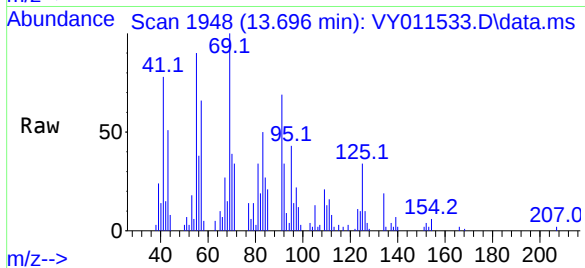
Instrument :

MSVOA_Y

ClientSampleId :

ETGI-339

Tgt Ion: 91	Resp:	5314
Ion Ratio	Lower	Upper
91	100	
92	45.8	26.3 78.9
134	0.0	13.0 38.9#



#93

1,2,4-Trichlorobenzene

Concen: 46.991 ug/l

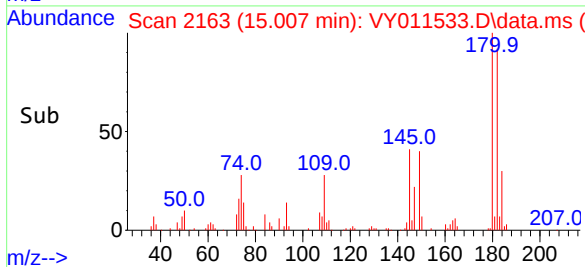
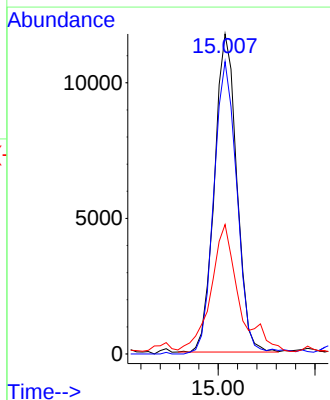
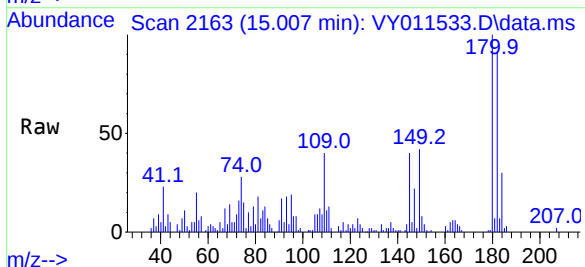
RT: 15.007 min Scan# 2163

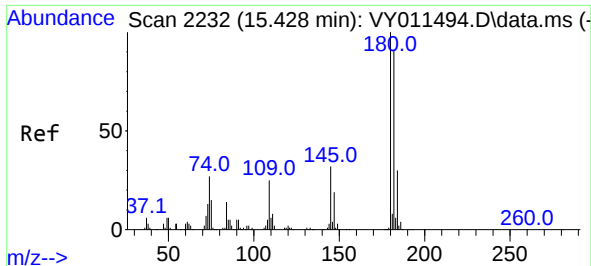
Delta R.T. 0.000 min

Lab File: VY011533.D

Acq: 21 Nov 2022 18:45

Tgt Ion: 180	Resp:	18803
Ion Ratio	Lower	Upper
180	100	
182	95.7	47.3 141.9
145	53.2	14.6 43.8#





#96

1,2,3-Trichlorobenzene

Concen: 11.510 ug/l

RT: 15.422 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY011533.D

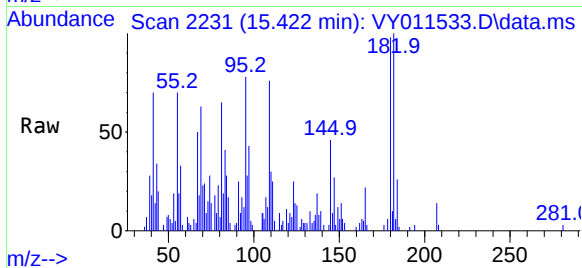
Acq: 21 Nov 2022 18:45

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-339



Tgt Ion:180 Resp: 3947

Ion Ratio Lower Upper

180 100

182 106.2 47.3 141.9

145 61.7 15.3 45.9#

