

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041124\
 Data File : VY017904.D
 Acq On : 11 Apr 2024 12:26
 Operator : SY/MD
 Sample : P2067-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-346

Quant Time: Apr 12 04:58:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

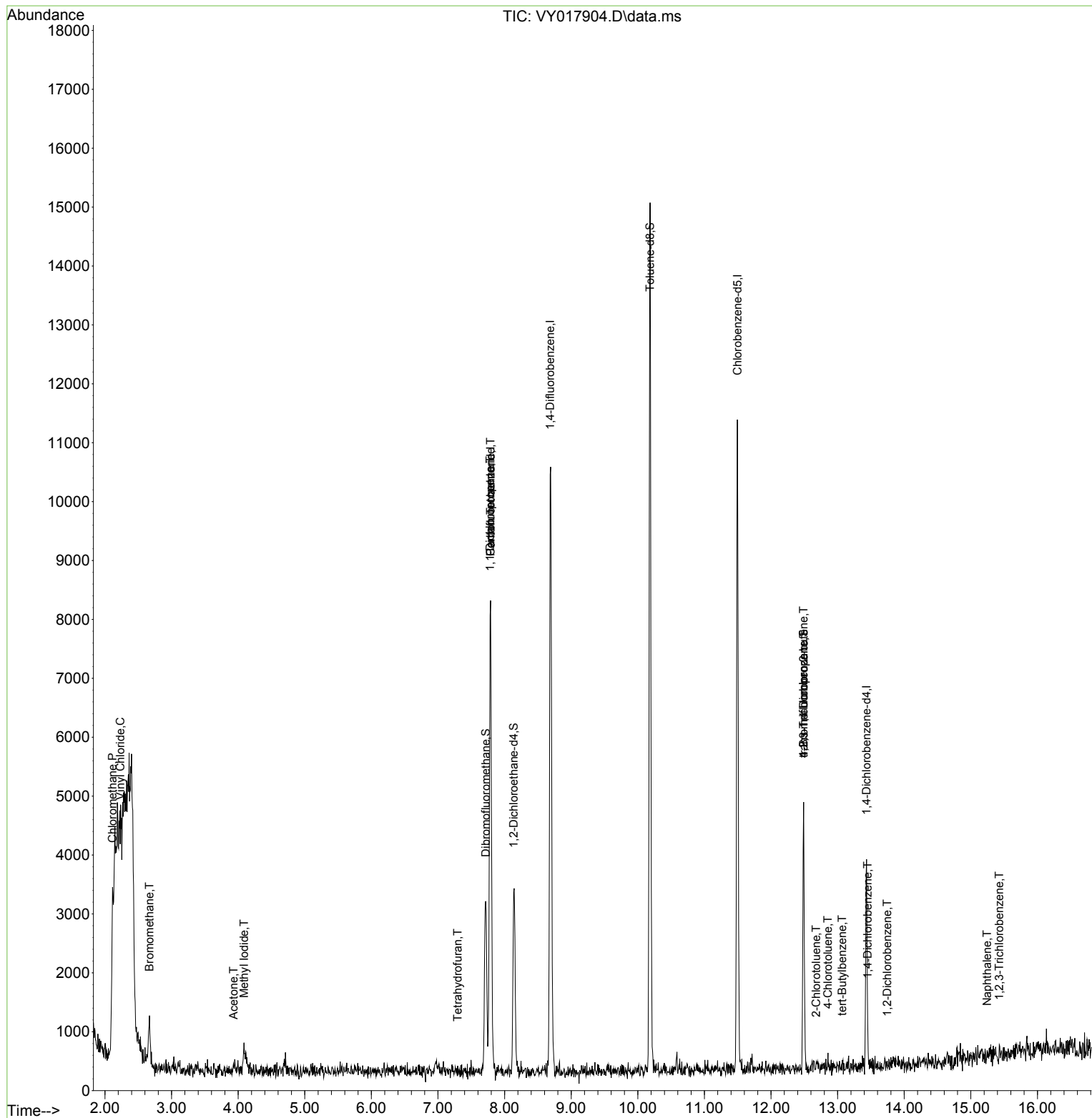
Internal Standards						
1) Pentafluorobenzene	7.789	168	6578	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	9761	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	6530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	1104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	2742	48.171	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.340%
35) Dibromofluoromethane	7.716	113	2502	44.359	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.720%
50) Toluene-d8	10.185	98	10288	48.830	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.660%
62) 4-Bromofluorobenzene	12.489	95	1403	21.887	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	43.780%
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	423	4.927	ug/l	94
4) Vinyl Chloride	2.229	62	199	1.773	ug/l	# 42
5) Bromomethane	2.668	94	445	4.905	ug/l	87
10) Methyl Iodide	4.088	142	842	11.799	ug/l	# 85
16) Acetone	3.930	43	120	10.199	ug/l	# 36
20) Methylene Chloride	4.710	84	103	Below Cal	#	46
29) Tetrahydrofuran	7.295	42	20	1.989	ug/l	# 26
36) 1,1-Dichloropropene	7.783	75	579	7.036	ug/l	# 40
38) Carbon Tetrachloride	7.789	117	548	6.414	ug/l	# 13
70) Styrene	12.056	104	19	Below Cal	#	27
76) 1,2,3-Trichloropropane	12.489	75	831	82.602	ug/l	# 100
79) 2-Chlorotoluene	12.678	91	93	1.798	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	12.489	75	831	144.985	ug/l	# 16
82) 4-Chlorotoluene	12.855	91	120	2.241	ug/l	# 39
83) tert-Butylbenzene	13.068	119	74	1.348	ug/l	# 79
88) 1,4-Dichlorobenzene	13.453	146	59	1.686	ug/l	# 25
91) 1,2-Dichlorobenzene	13.745	146	62	2.046	ug/l	# 25
95) Naphthalene	15.245	128	135	6.623	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.428	180	26	1.854	ug/l	# 1

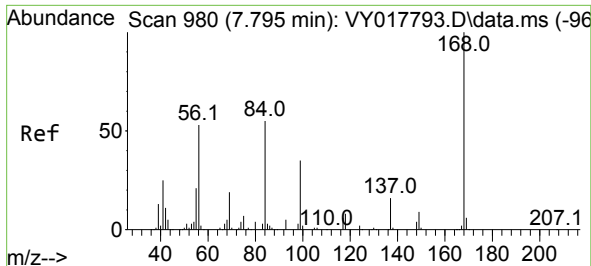
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 05:58:13 2024
Response via : Initial Calibration

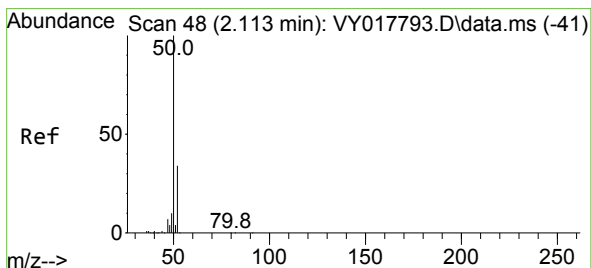
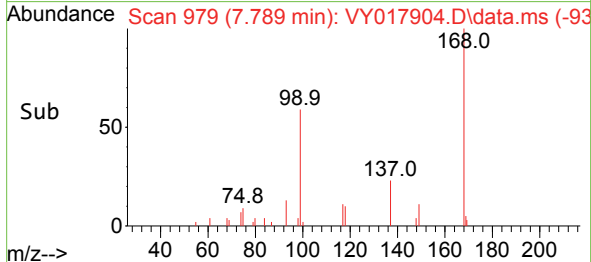
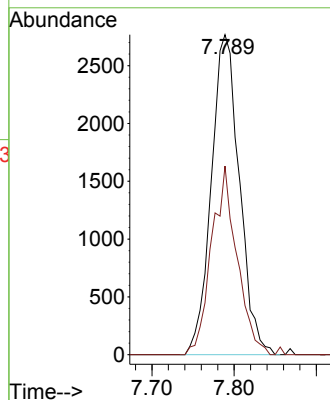
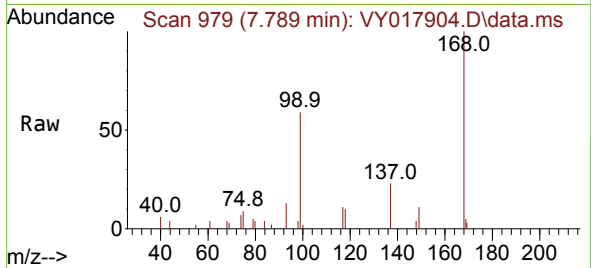




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017904.D
Acq: 11 Apr 2024 12:26

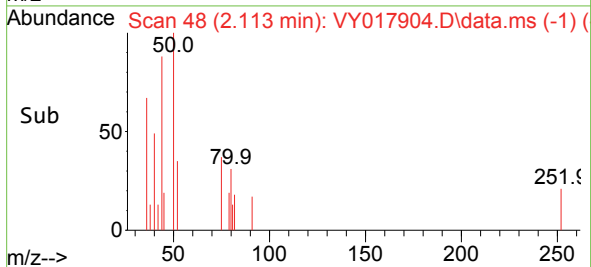
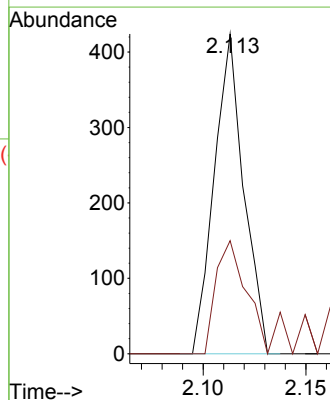
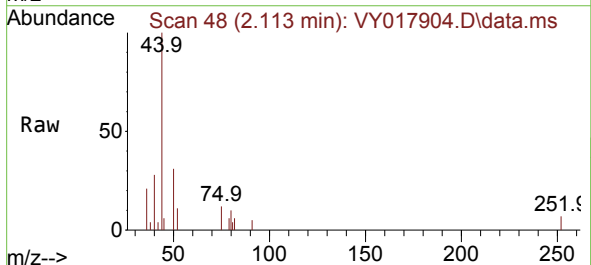
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

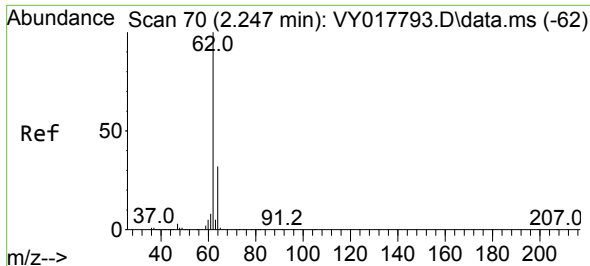
Tgt Ion:168 Resp: 6578
Ion Ratio Lower Upper
168 100
99 59.0 39.1 58.7#



#3
Chloromethane
Concen: 4.927 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY017904.D
Acq: 11 Apr 2024 12:26

Tgt Ion: 50 Resp: 423
Ion Ratio Lower Upper
50 100
52 35.4 25.6 38.4

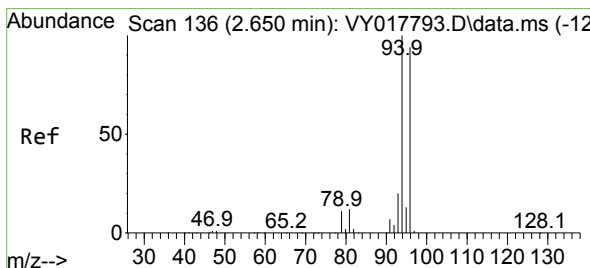
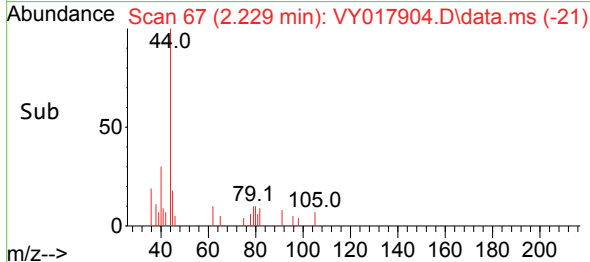
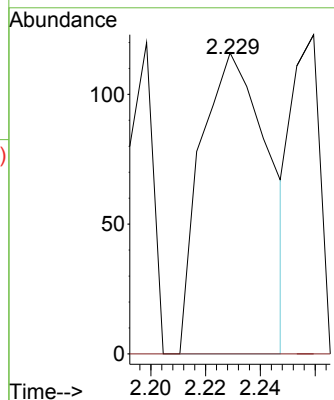
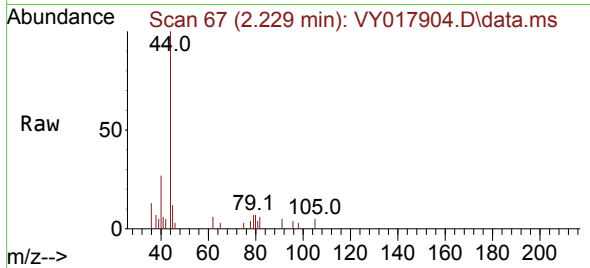




#4
 Vinyl Chloride
 Concen: 1.773 ug/l
 RT: 2.229 min Scan# 61
 Delta R.T. -0.018 min
 Lab File: VY017904.D
 Acq: 11 Apr 2024 12:26

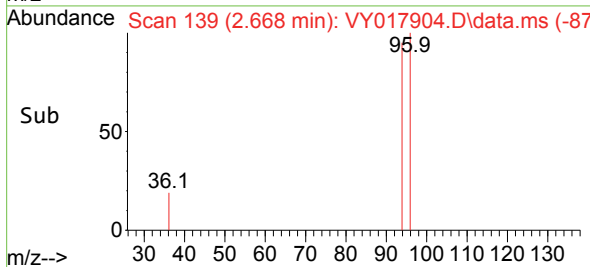
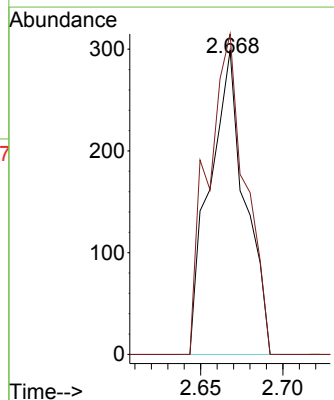
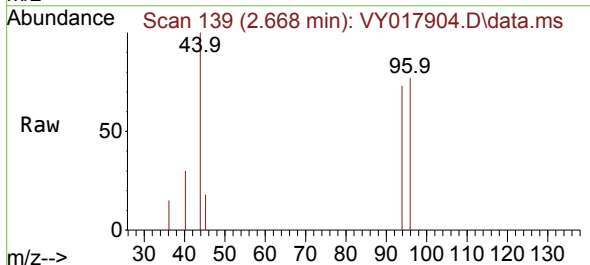
Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-346

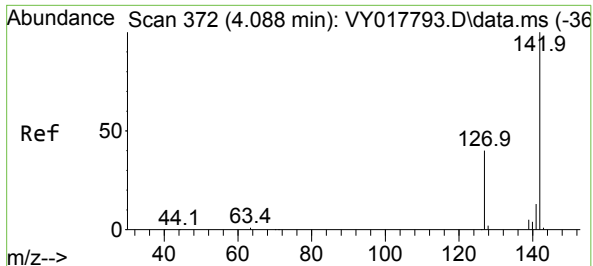
Tgt Ion: 62 Resp: 199
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.1 39.1#



#5
 Bromomethane
 Concen: 4.905 ug/l
 RT: 2.668 min Scan# 139
 Delta R.T. 0.018 min
 Lab File: VY017904.D
 Acq: 11 Apr 2024 12:26

Tgt Ion: 94 Resp: 445
 Ion Ratio Lower Upper
 94 100
 96 105.4 74.1 111.1





#10

Methyl Iodide

Concen: 11.799 ug/l

RT: 4.088 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY017904.D

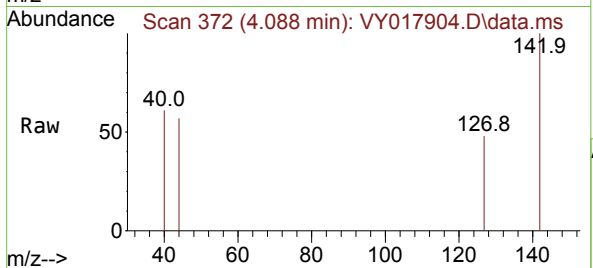
Acq: 11 Apr 2024 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-346



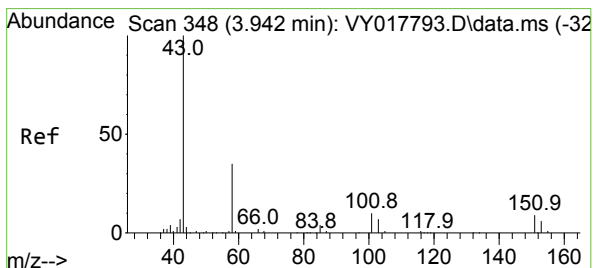
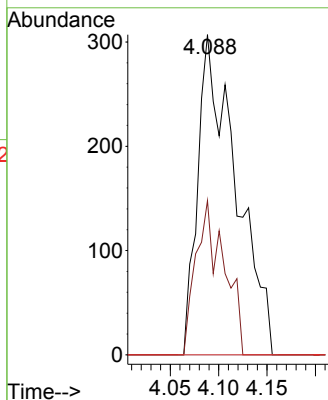
Tgt Ion:142 Resp: 842

Ion Ratio Lower Upper

142 100

127 35.6 32.8 49.2

141 0.0 11.4 17.2#



#16

Acetone

Concen: 10.199 ug/l

RT: 3.930 min Scan# 346

Delta R.T. -0.012 min

Lab File: VY017904.D

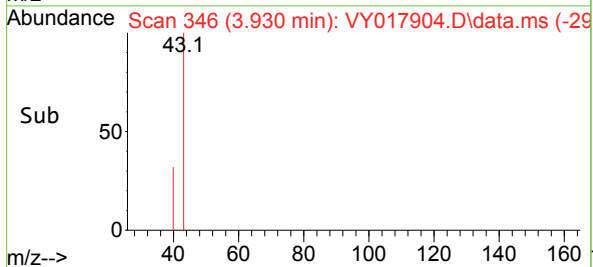
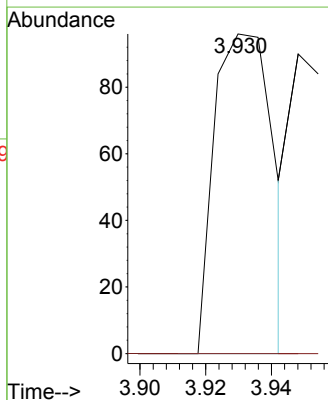
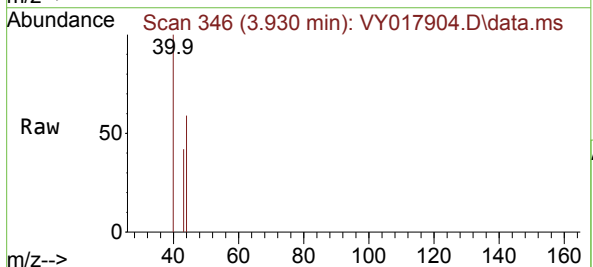
Acq: 11 Apr 2024 12:26

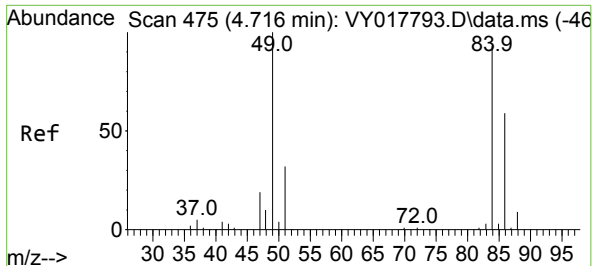
Tgt Ion: 43 Resp: 120

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY017904.D

Acq: 11 Apr 2024 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-346

Tgt Ion: 84 Resp: 103

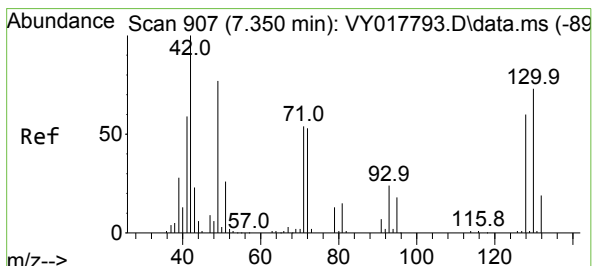
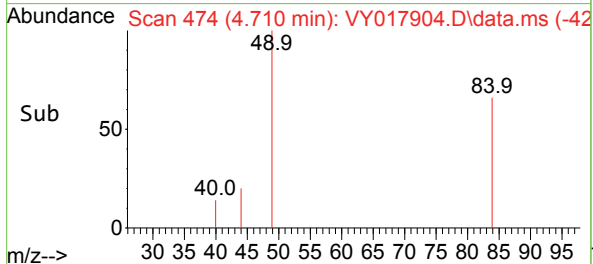
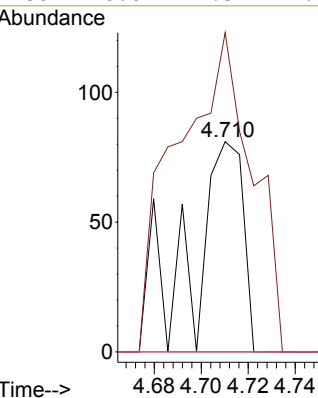
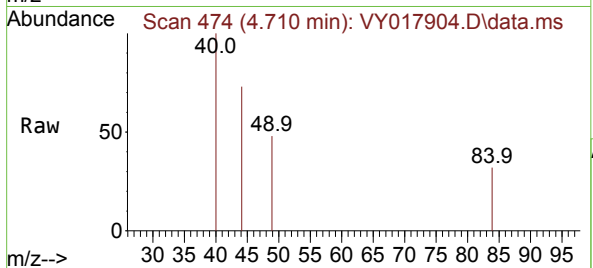
Ion Ratio Lower Upper

84 100

49 67.9 84.4 126.6#

51 0.0 26.0 39.0#

86 0.0 49.5 74.3#



#29

Tetrahydrofuran

Concen: 1.989 ug/l

RT: 7.295 min Scan# 898

Delta R.T. -0.055 min

Lab File: VY017904.D

Acq: 11 Apr 2024 12:26

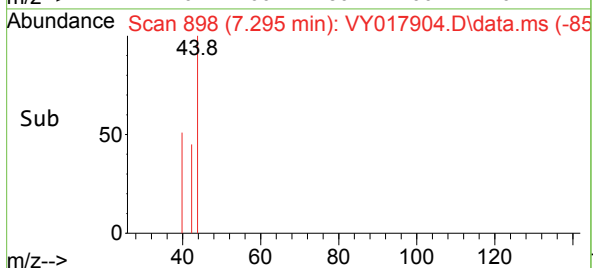
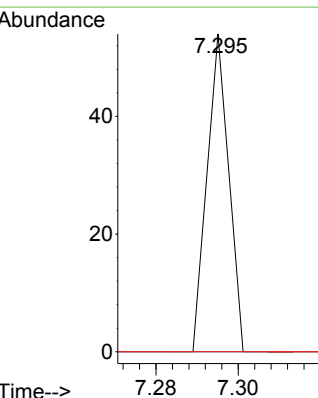
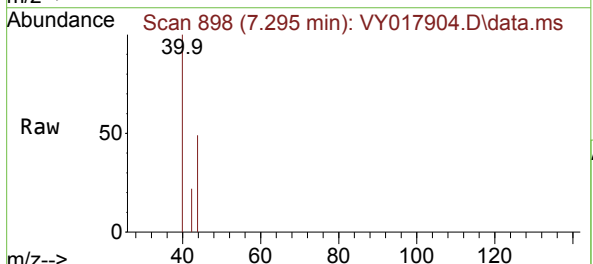
Tgt Ion: 42 Resp: 20

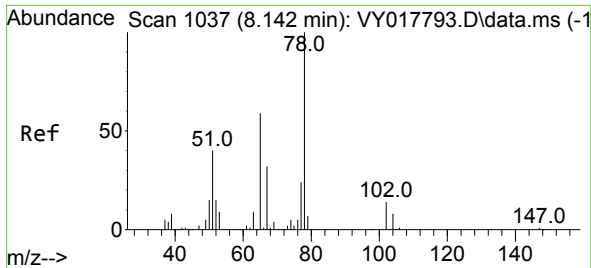
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#

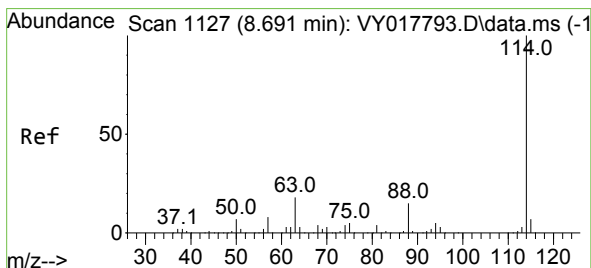
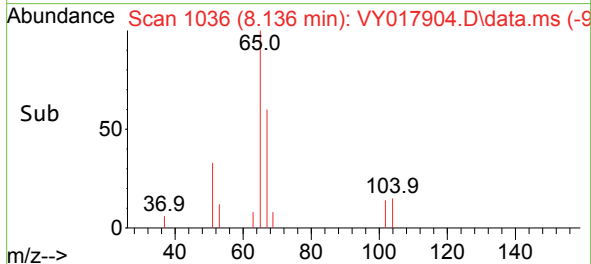
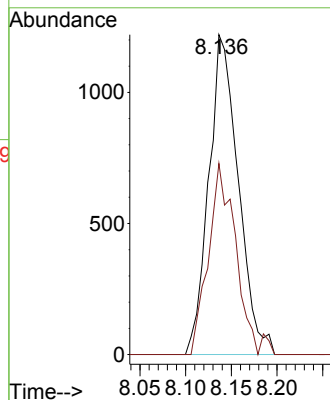
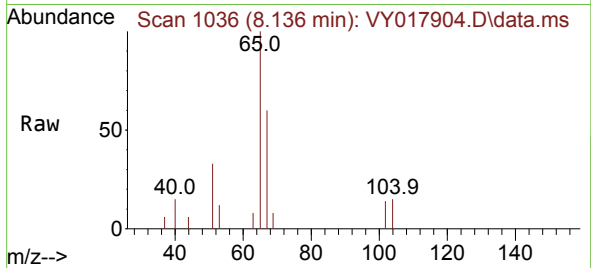




#33
 1,2-Dichloroethane-d4
 Concen: 48.171 ug/l
 RT: 8.136 min Scan# 110
 Delta R.T. -0.006 min
 Lab File: VY017904.D
 Acq: 11 Apr 2024 12:26

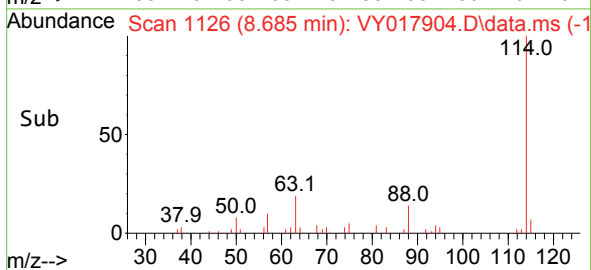
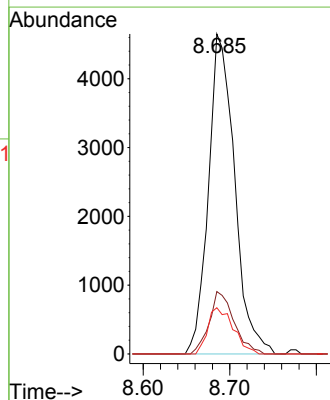
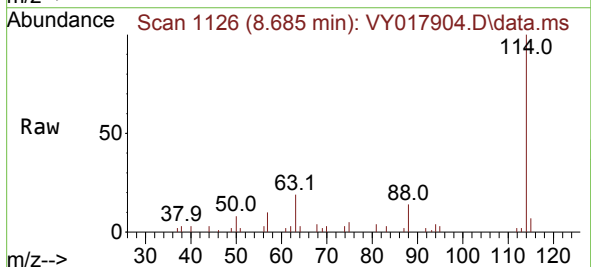
Instrument :
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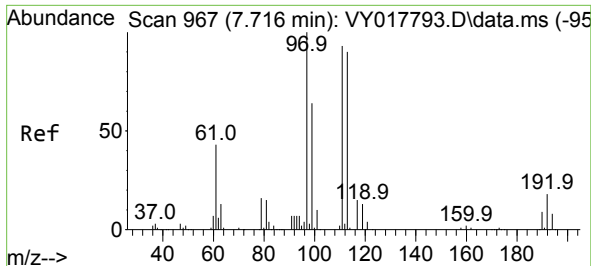
Tgt Ion: 65 Resp: 2742
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY017904.D
 Acq: 11 Apr 2024 12:26

Tgt Ion: 114 Resp: 9761
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 35.0
 88 14.5 0.0 27.2

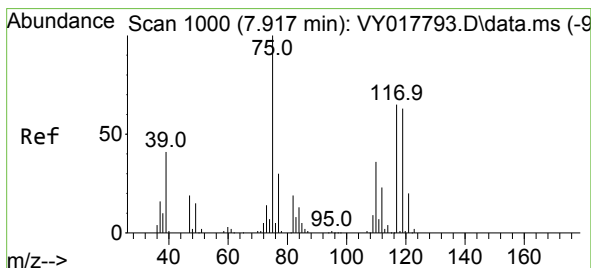
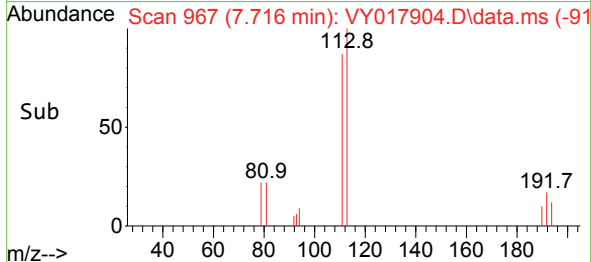
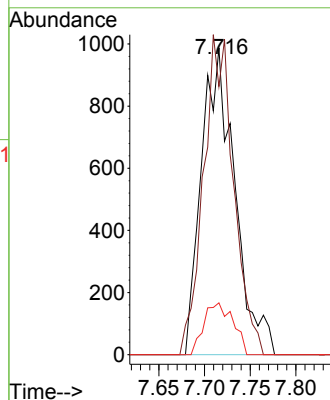
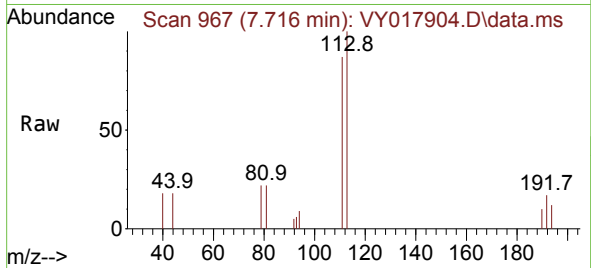




#35
Dibromofluoromethane
Concen: 44.359 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY017904.D
Acq: 11 Apr 2024 12:26

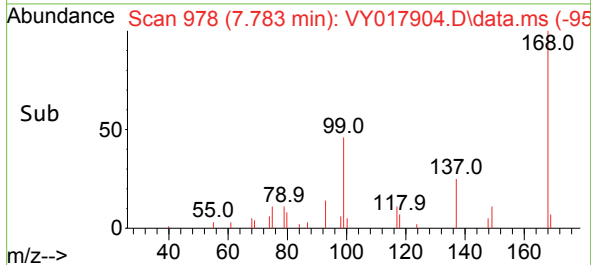
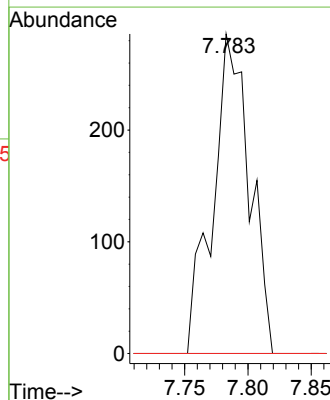
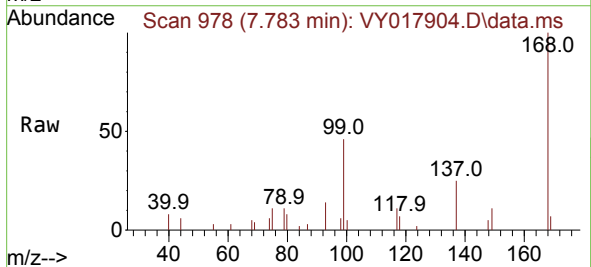
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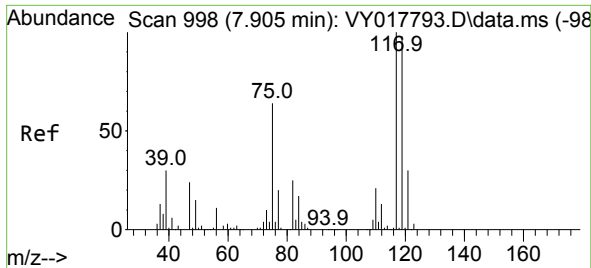
Tgt Ion:113 Resp: 2502
Ion Ratio Lower Upper
113 100
111 94.3 82.2 123.4
192 14.8 15.9 23.9#



#36
1,1-Dichloropropene
Concen: 7.036 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY017904.D
Acq: 11 Apr 2024 12:26

Tgt Ion: 75 Resp: 579
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#

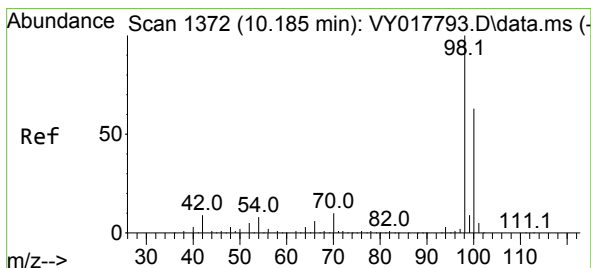
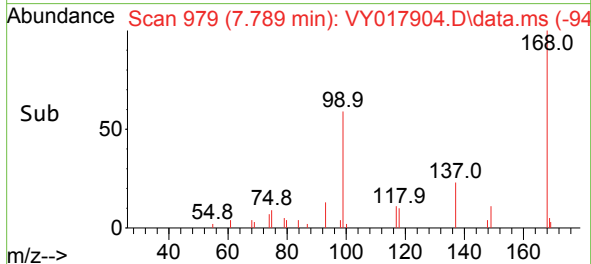
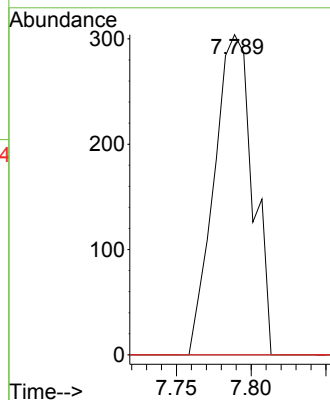
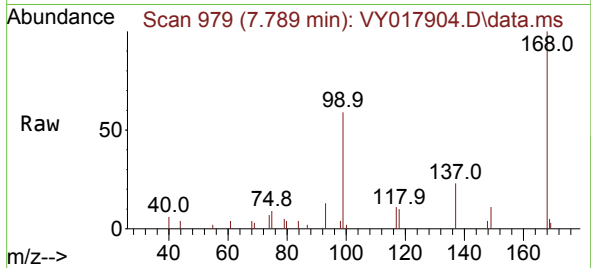




#38
Carbon Tetrachloride
Concen: 6.414 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY017904.D
Acq: 11 Apr 2024 12:26

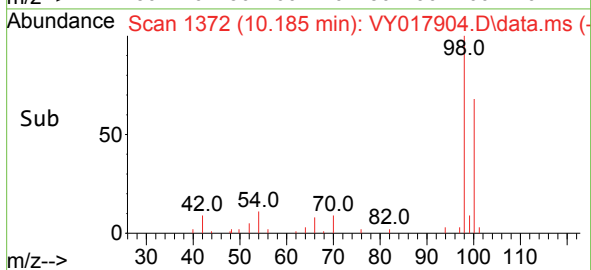
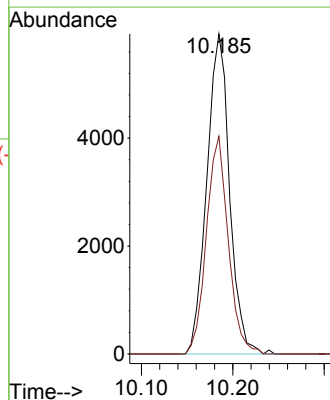
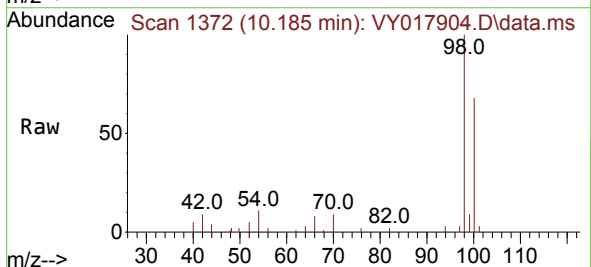
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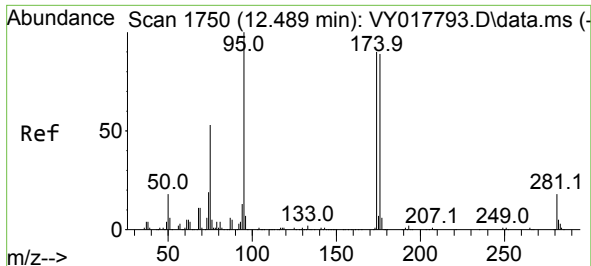
Tgt Ion:117 Resp: 548
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.830 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY017904.D
Acq: 11 Apr 2024 12:26

Tgt Ion: 98 Resp: 10288
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

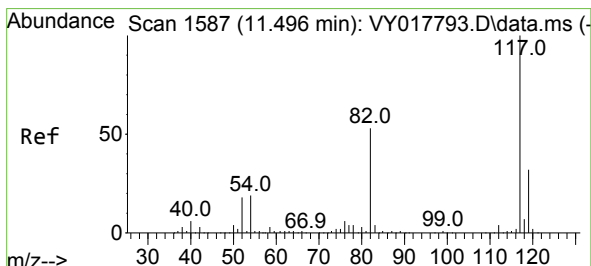
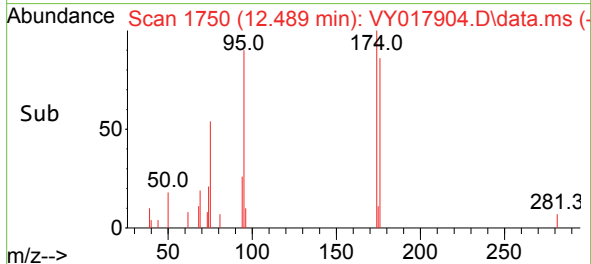
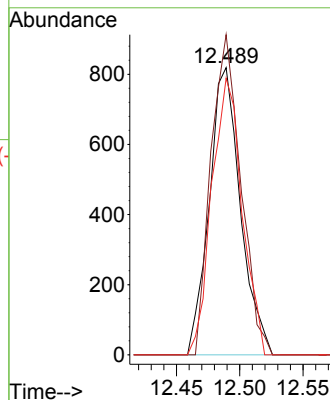
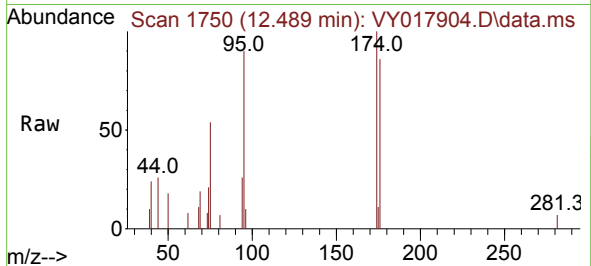




#62
4-Bromofluorobenzene
Concen: 21.887 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017904.D
Acq: 11 Apr 2024 12:26

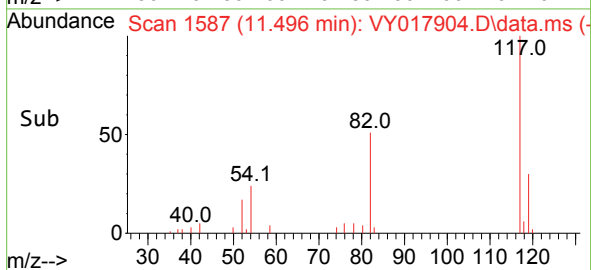
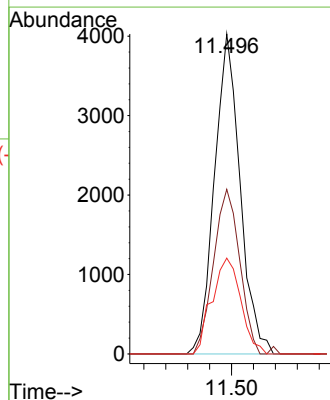
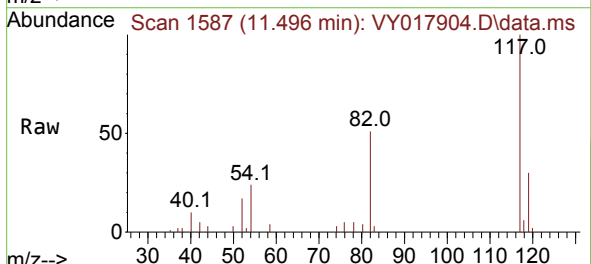
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

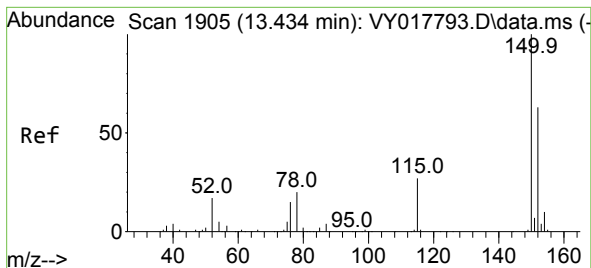
Tgt Ion: 95 Resp: 1403
Ion Ratio Lower Upper
95 100
174 107.0 0.0 175.6
176 93.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY017904.D
Acq: 11 Apr 2024 12:26

Tgt Ion: 117 Resp: 6530
Ion Ratio Lower Upper
117 100
82 51.5 42.4 63.6
119 30.0 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017904.D

Acq: 11 Apr 2024 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-346

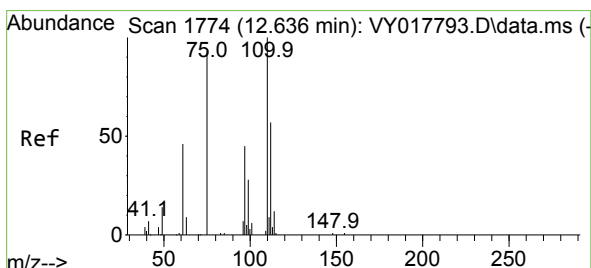
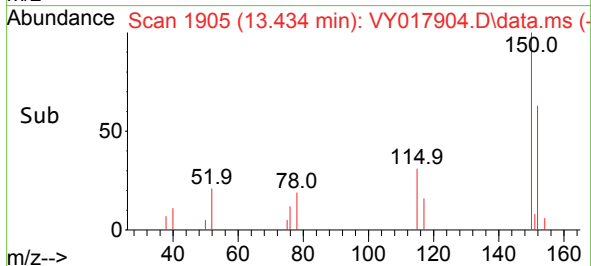
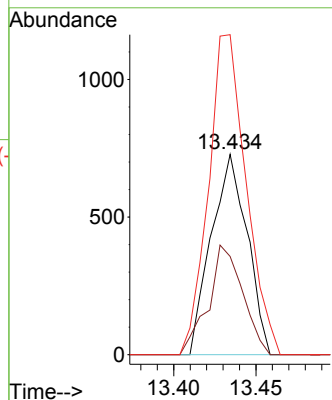
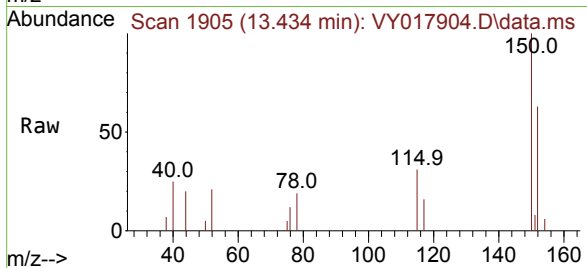
Tgt Ion:152 Resp: 1104

Ion Ratio Lower Upper

152 100

115 52.2 28.2 84.7

150 167.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 82.602 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017904.D

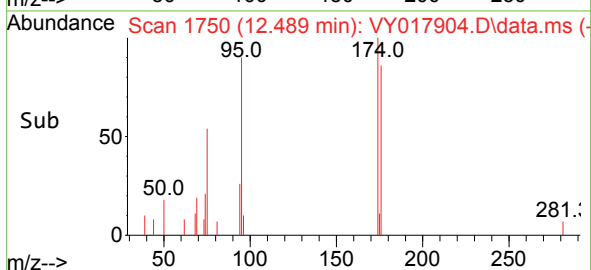
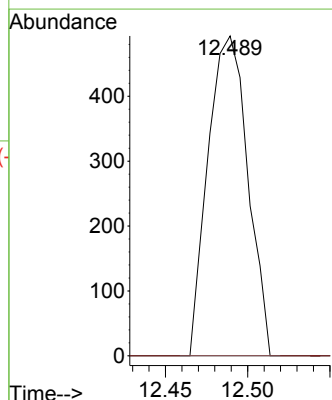
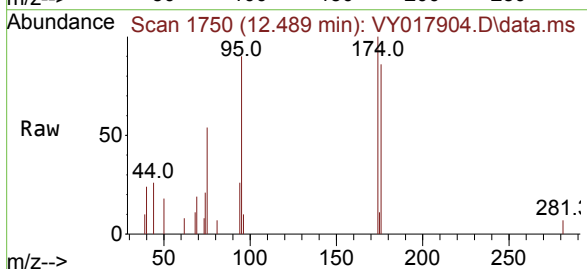
Acq: 11 Apr 2024 12:26

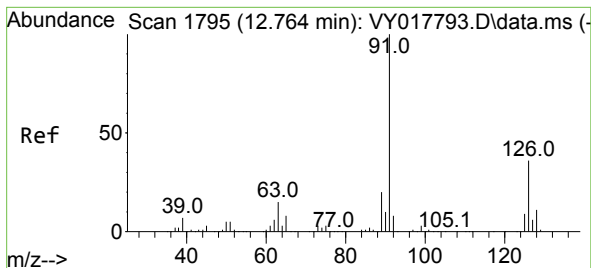
Tgt Ion: 75 Resp: 831

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

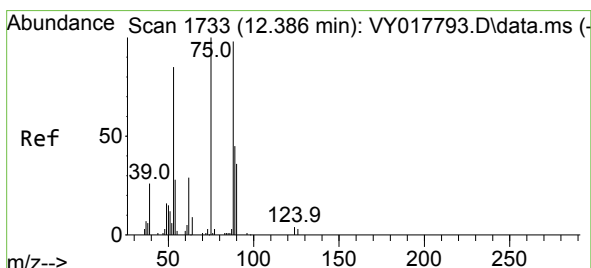
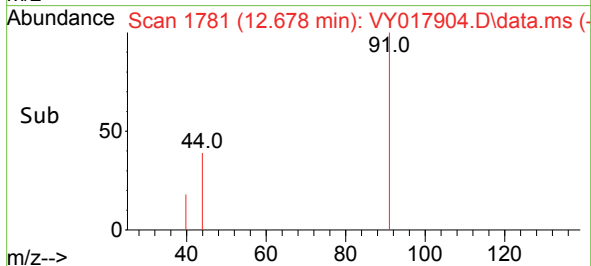
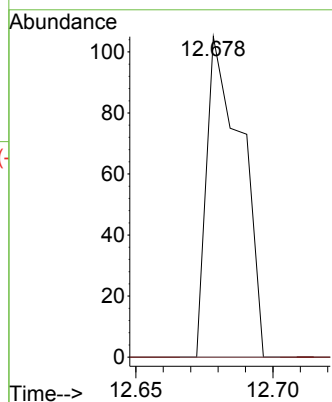
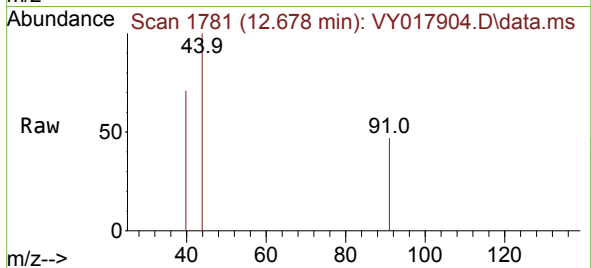




#79
2-Chlorotoluene
Concen: 1.798 ug/l
RT: 12.678 min Scan# 11
Delta R.T. -0.085 min
Lab File: VY017904.D
Acq: 11 Apr 2024 12:26

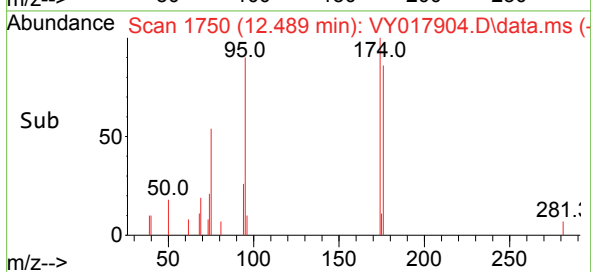
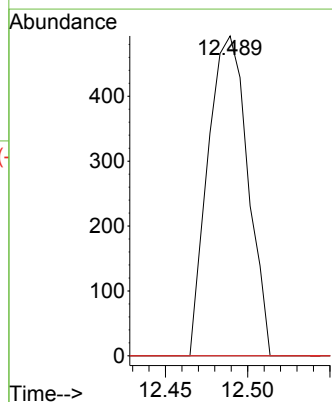
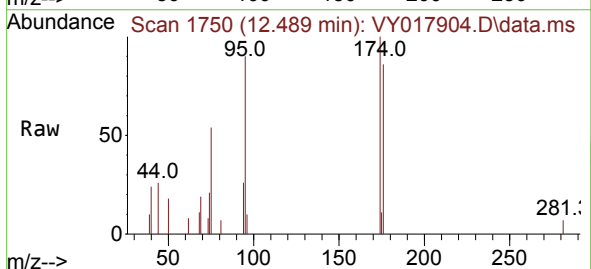
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

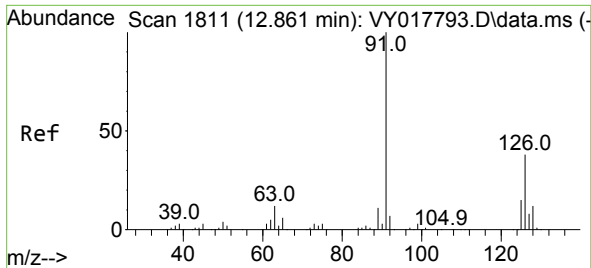
Tgt Ion: 91 Resp: 93
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.985 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.103 min
Lab File: VY017904.D
Acq: 11 Apr 2024 12:26

Tgt Ion: 75 Resp: 831
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

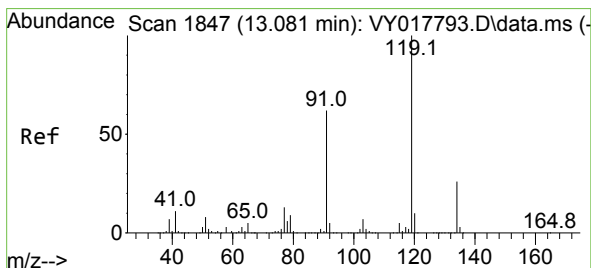
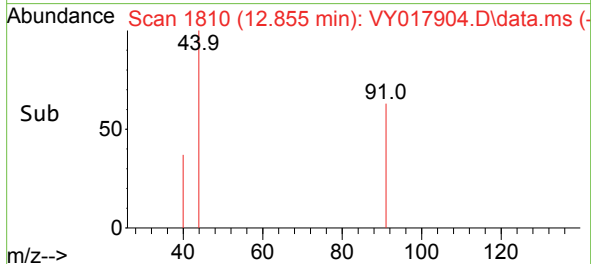
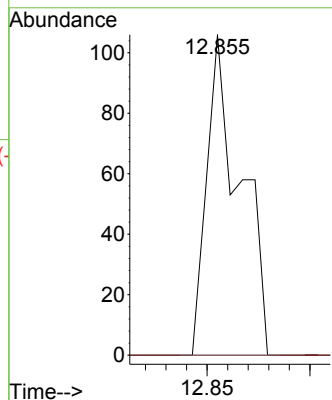
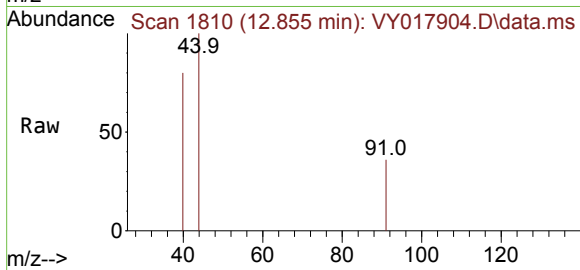




#82
4-Chlorotoluene
Concen: 2.241 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VY017904.D
Acq: 11 Apr 2024 12:26

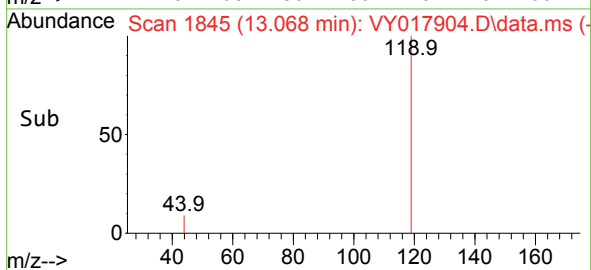
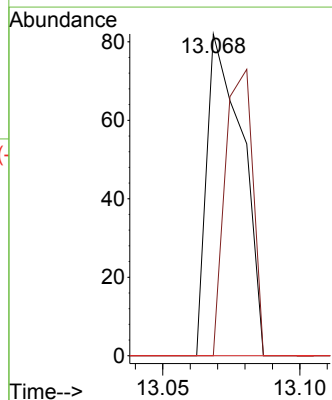
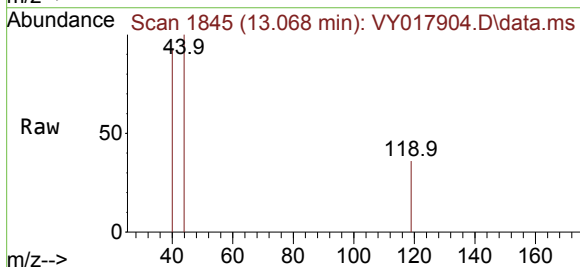
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

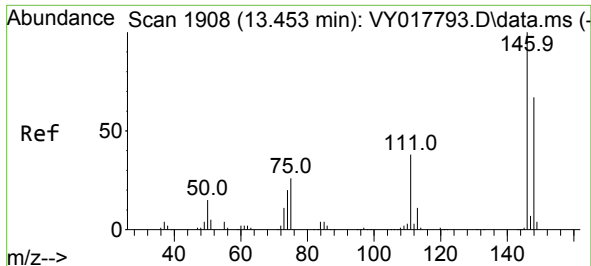
Tgt Ion: 91 Resp: 120
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.9#



#83
tert-Butylbenzene
Concen: 1.348 ug/l
RT: 13.068 min Scan# 1845
Delta R.T. -0.012 min
Lab File: VY017904.D
Acq: 11 Apr 2024 12:26

Tgt Ion: 119 Resp: 74
Ion Ratio Lower Upper
119 100
91 68.9 31.3 93.8
134 0.0 13.4 40.1#

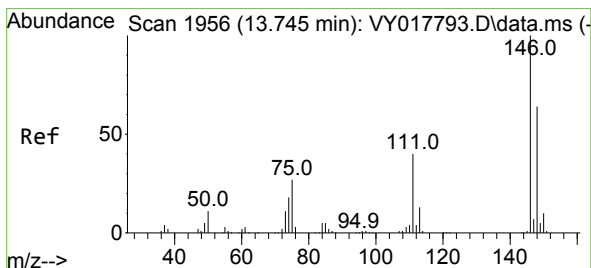
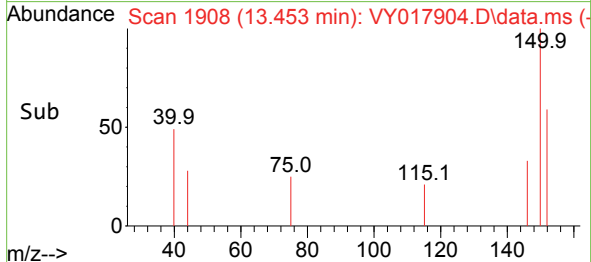
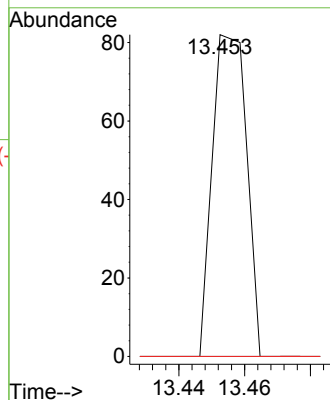
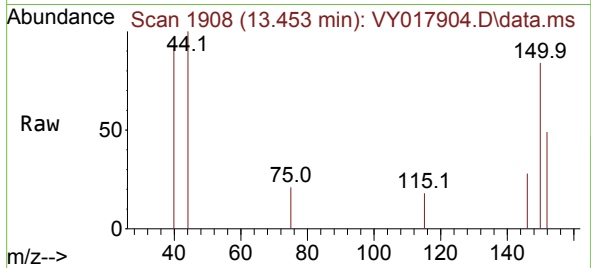




#88
1,4-Dichlorobenzene
Concen: 1.686 ug/l
RT: 13.453 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY017904.D
Acq: 11 Apr 2024 12:26

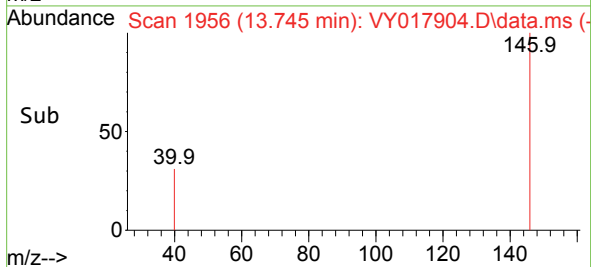
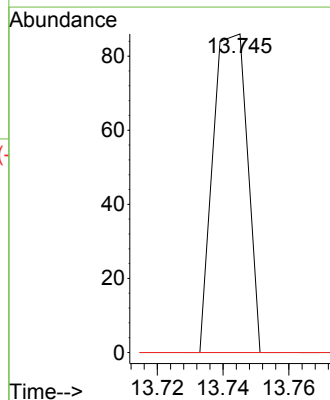
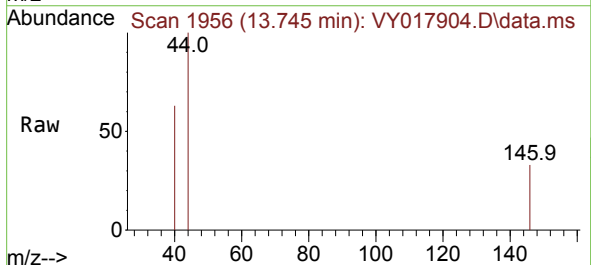
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-346

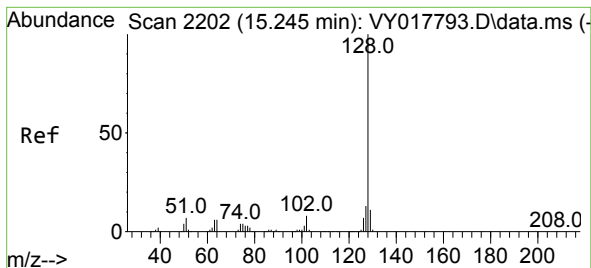
Tgt Ion:146 Resp: 59
Ion Ratio Lower Upper
146 100
111 0.0 18.4 55.4#
148 0.0 32.4 97.2#



#91
1,2-Dichlorobenzene
Concen: 2.046 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VY017904.D
Acq: 11 Apr 2024 12:26

Tgt Ion:146 Resp: 62
Ion Ratio Lower Upper
146 100
111 0.0 19.9 59.7#
148 0.0 31.8 95.4#





#95

Naphthalene

Concen: 6.623 ug/l

RT: 15.245 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY017904.D

Acq: 11 Apr 2024 12:26

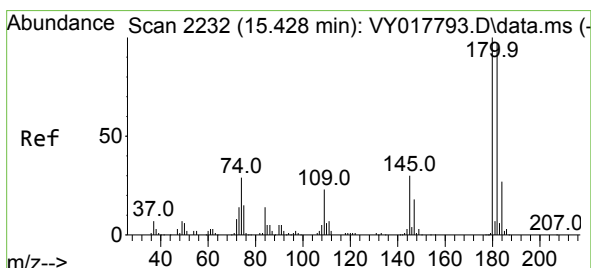
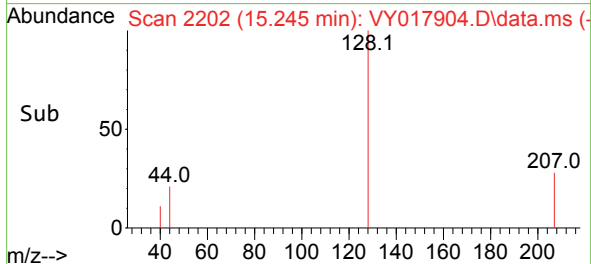
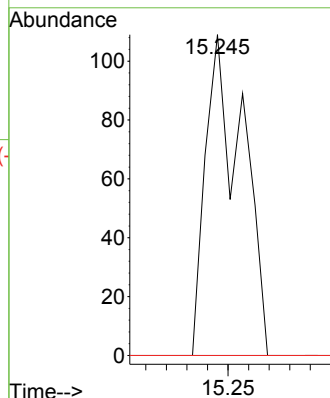
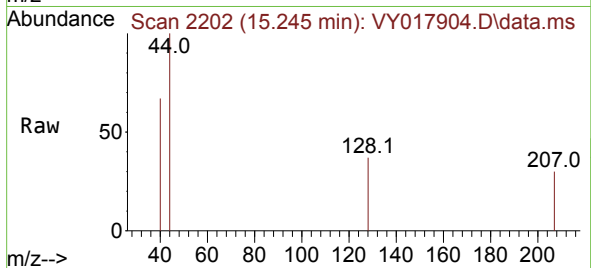
Instrument :

MSVOA_Y

ClientSampleId :

ETGI-346

Tgt Ion:128	Resp:	135
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 16.0#
129	0.0	8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.854 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY017904.D

Acq: 11 Apr 2024 12:26

Tgt Ion:180	Resp:	26
Ion Ratio	Lower	Upper
180	100	
182	261.5	47.6 142.9#
145	0.0	15.4 46.1#

