

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022549.D
 Acq On : 04 Jun 2025 14:37
 Operator : SY/MD
 Sample : Q2199-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-343

Quant Time: Jun 05 04:16:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

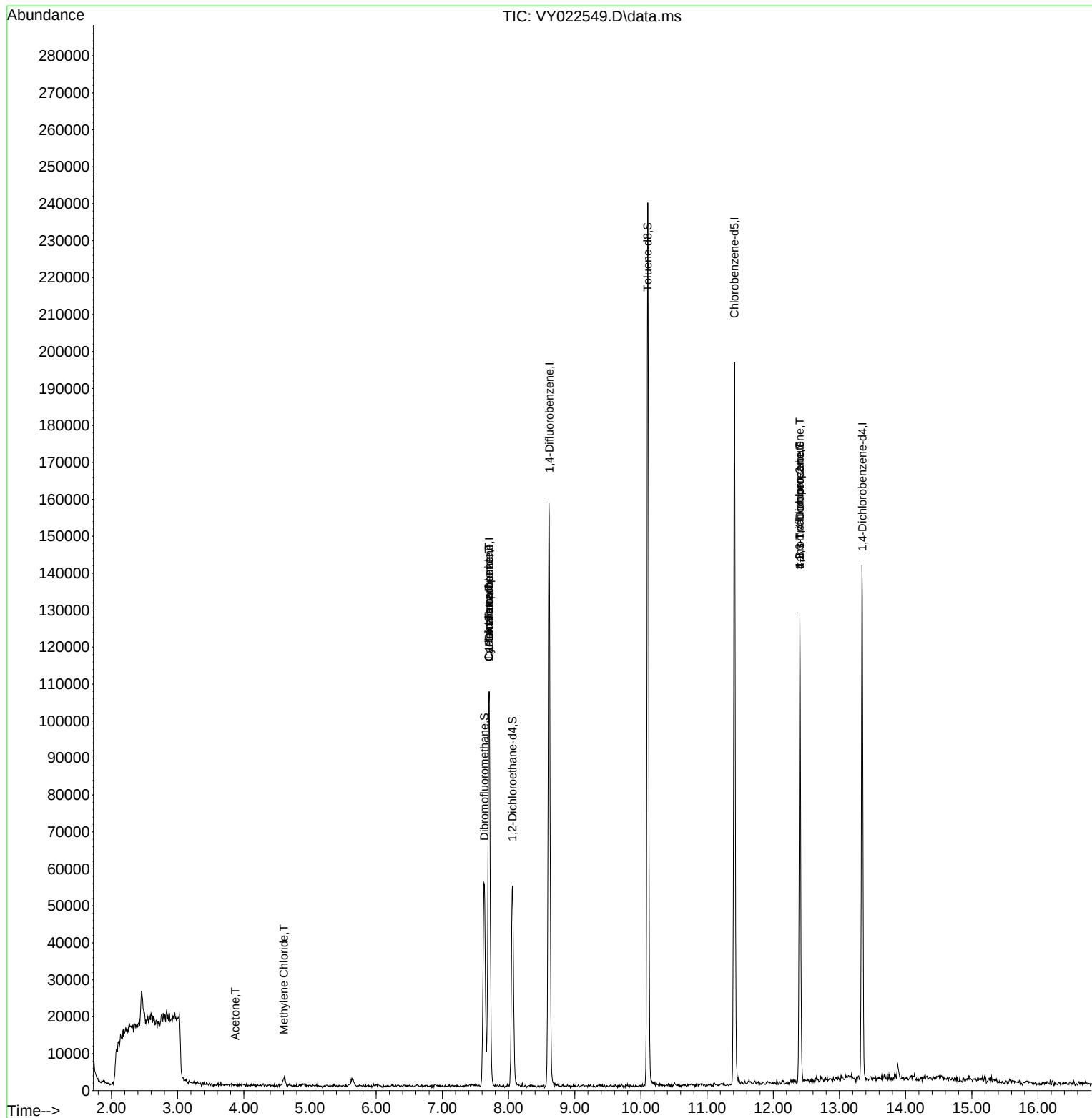
Internal Standards						
1) Pentafluorobenzene	7.707	168	78925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	131750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	94714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	31572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	41897	47.463	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.920%
35) Dibromofluoromethane	7.634	113	39071	49.684	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.360%
50) Toluene-d8	10.103	98	147103	46.295	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.580%
62) 4-Bromofluorobenzene	12.402	95	34017	35.931	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.860%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	211	1.177	ug/l #	45
20) Methylene Chloride	4.604	84	1554	1.526	ug/l #	71
31) Cyclohexane	7.701	56	2205	1.300	ug/l #	35
36) 1,1-Dichloropropene	7.701	75	6886	5.395	ug/l #	52
38) Carbon Tetrachloride	7.701	117	8255	6.305	ug/l #	18
76) 1,2,3-Trichloropropane	12.402	75	20820	57.642	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	20820	139.202	ug/l #	11

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

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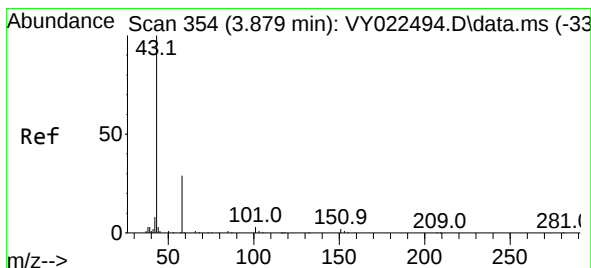
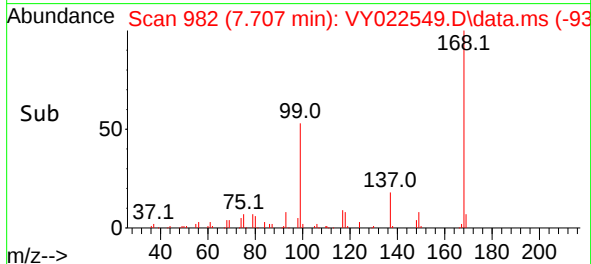
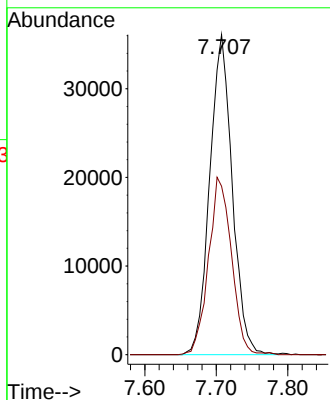
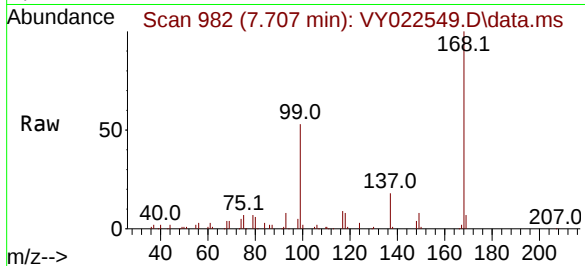




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

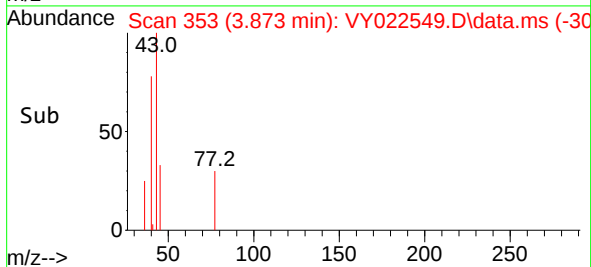
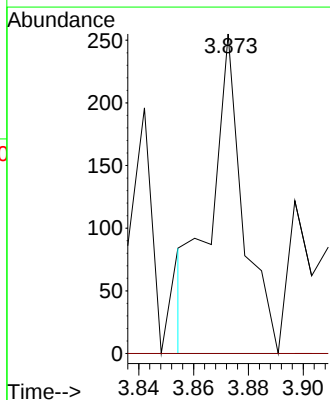
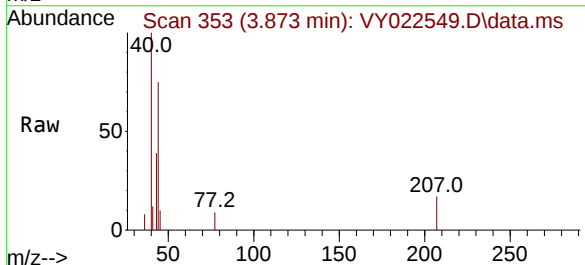
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-343

Tgt Ion:168 Resp: 78925
Ion Ratio Lower Upper
168 100
99 52.7 44.3 66.5



#16
Acetone
Concen: 1.177 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

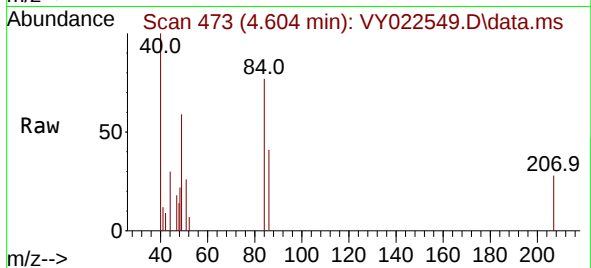
Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#





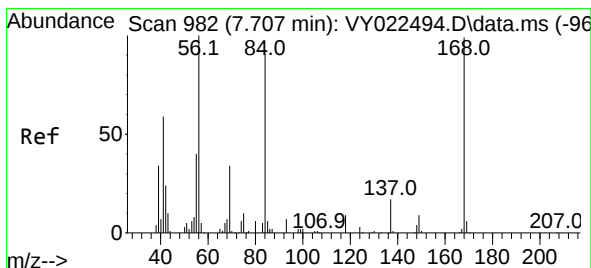
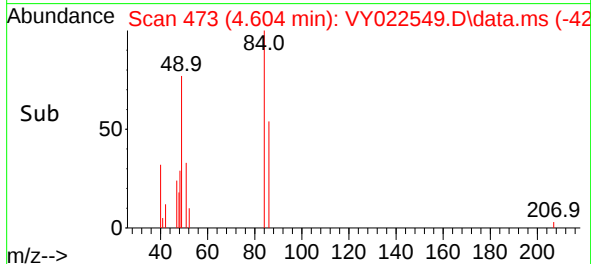
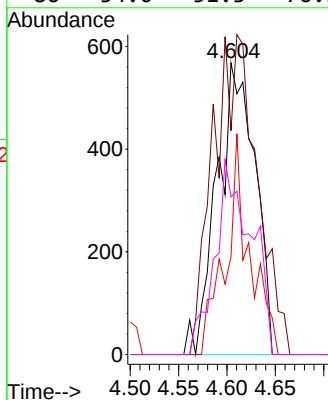
#20
Methylene Chloride
Concen: 1.526 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-343



Tgt Ion: 84 Resp: 1554

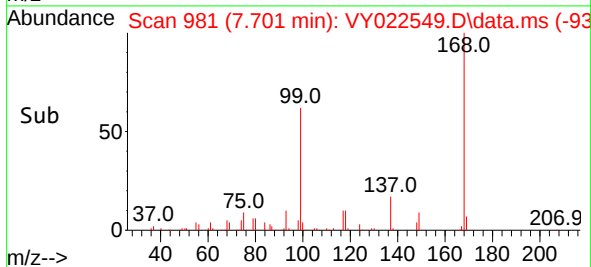
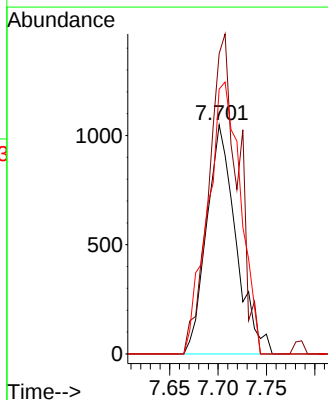
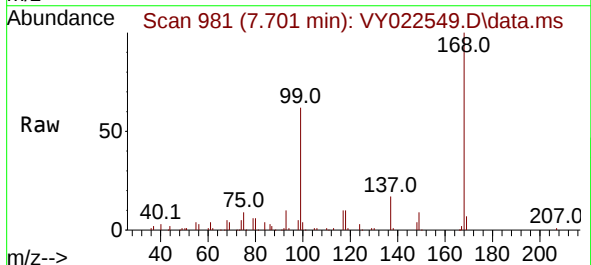
Ion	Ratio	Lower	Upper
84	100		
49	76.8	101.9	152.9#
51	33.5	29.8	44.8
86	54.0	51.3	76.9

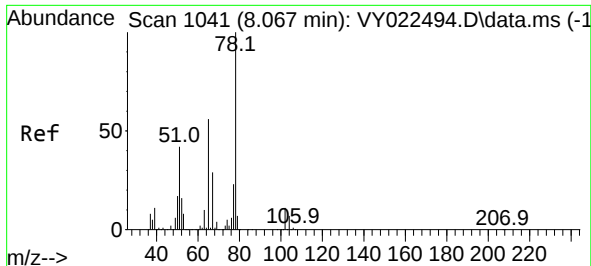


#31
Cyclohexane
Concen: 1.300 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

Tgt Ion: 56 Resp: 2205

Ion	Ratio	Lower	Upper
56	100		
69	131.1	27.0	40.6#
84	115.5	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 47.463 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VY022549.D

Acq: 04 Jun 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

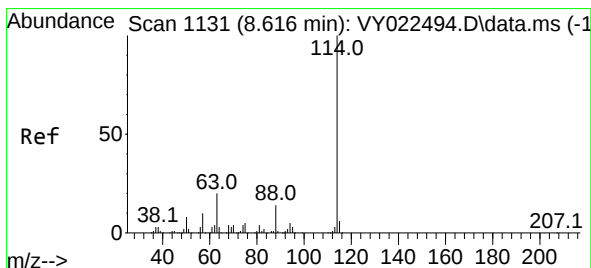
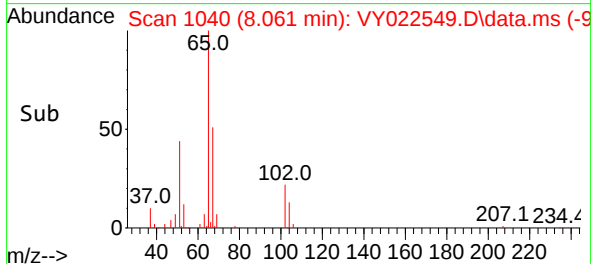
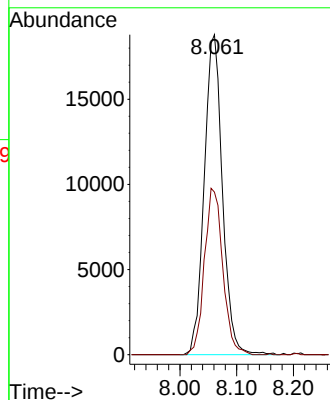
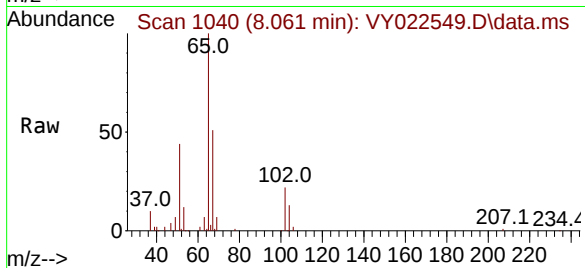
ETGI-343

Tgt Ion: 65 Resp: 41897

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022549.D

Acq: 04 Jun 2025 14:37

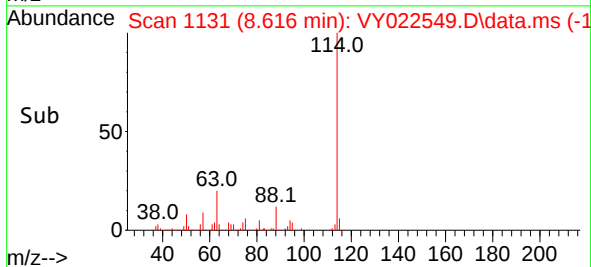
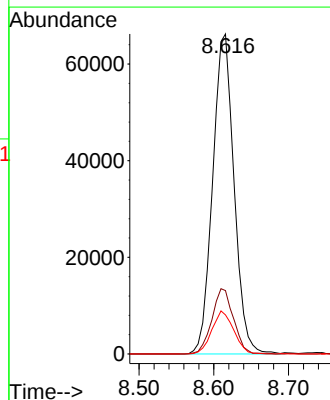
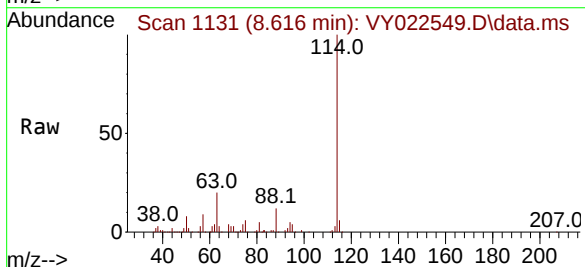
Tgt Ion: 114 Resp: 131750

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 12.2 0.0 27.8

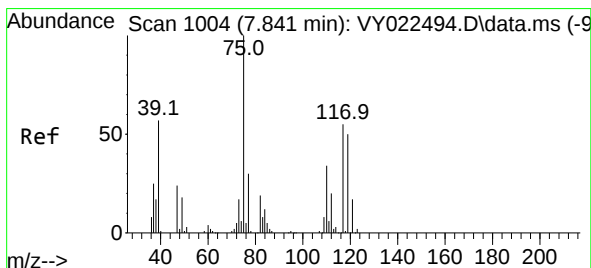
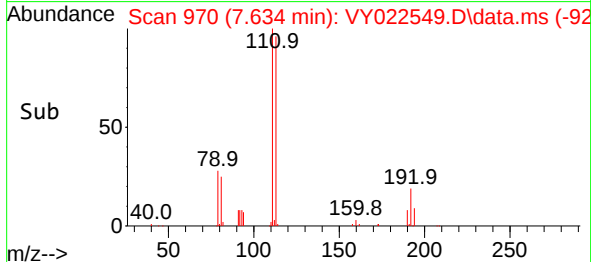
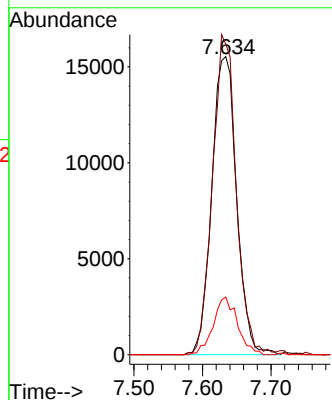
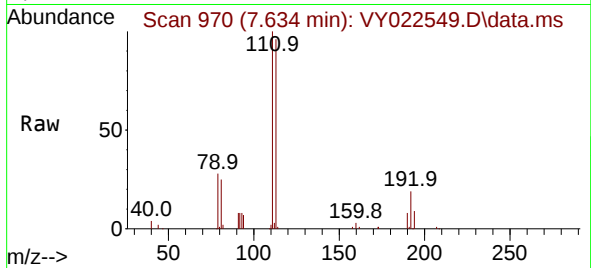




#35
Dibromofluoromethane
Concen: 49.684 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

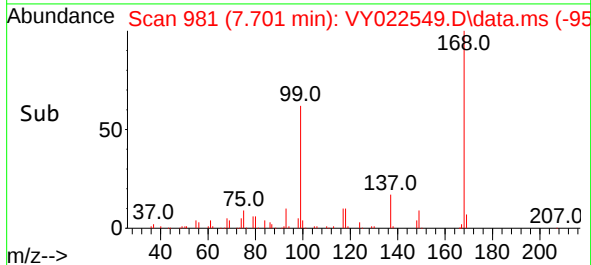
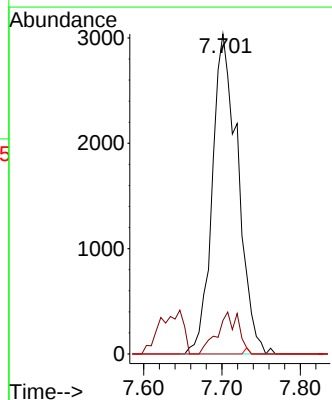
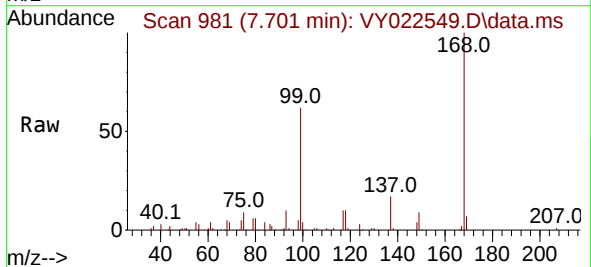
Instrument :
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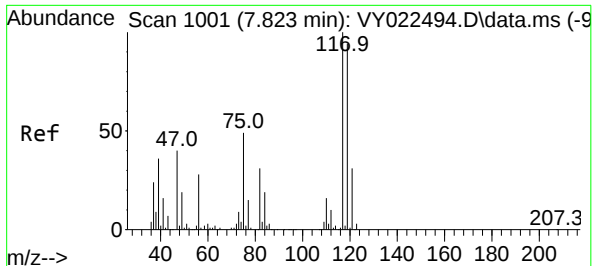
Tgt Ion:113 Resp: 39071
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 18.9 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.395 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

Tgt Ion: 75 Resp: 6886
Ion Ratio Lower Upper
75 100
110 11.0 16.9 50.7#
77 0.0 24.8 37.2#

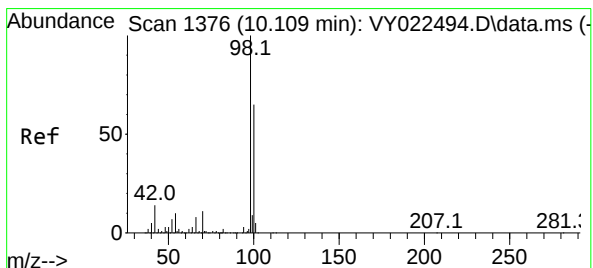
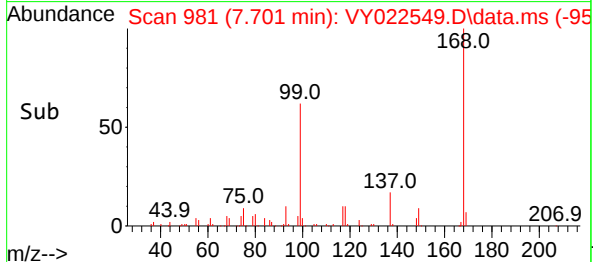
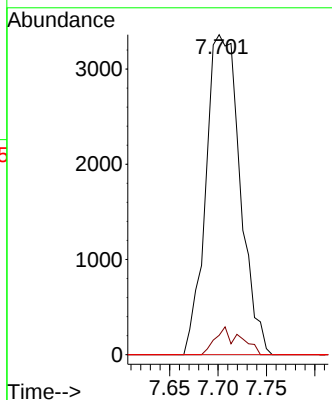
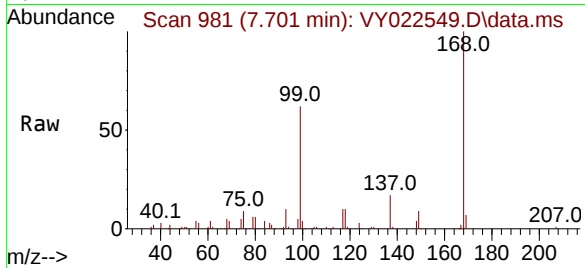




#38
Carbon Tetrachloride
Concen: 6.305 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

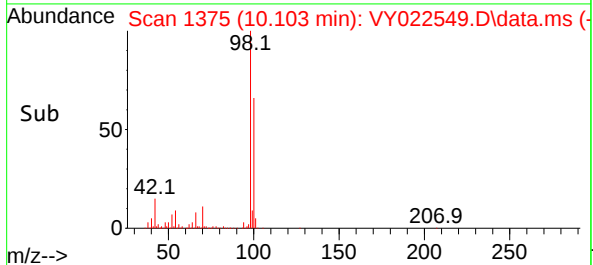
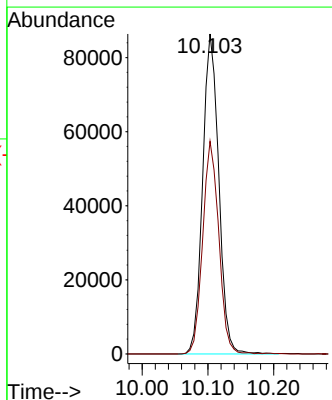
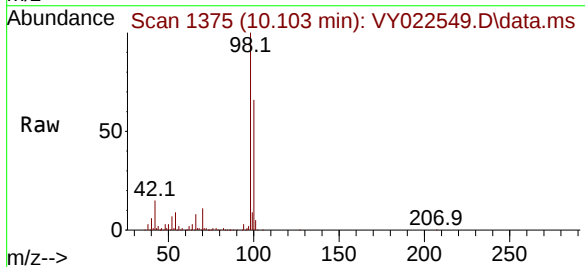
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-343

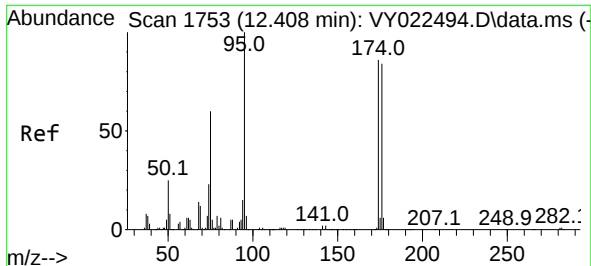
Tgt Ion:117 Resp: 8255
Ion Ratio Lower Upper
117 100
119 6.1 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 46.295 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

Tgt Ion: 98 Resp: 147103
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.0

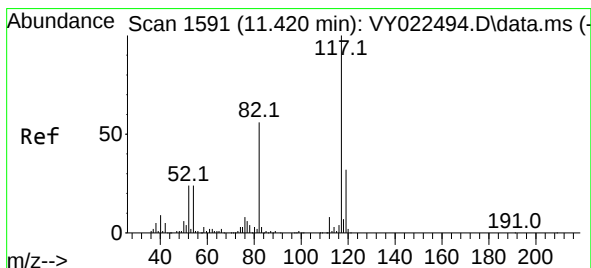
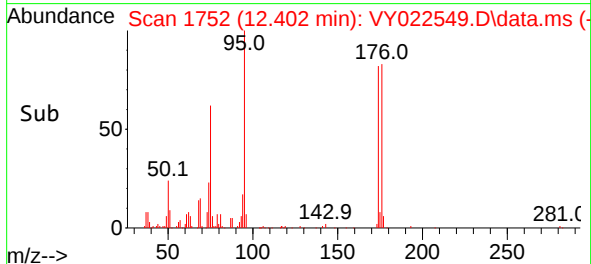
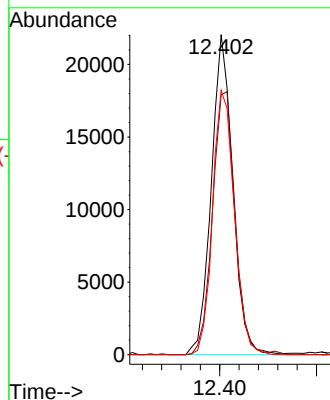
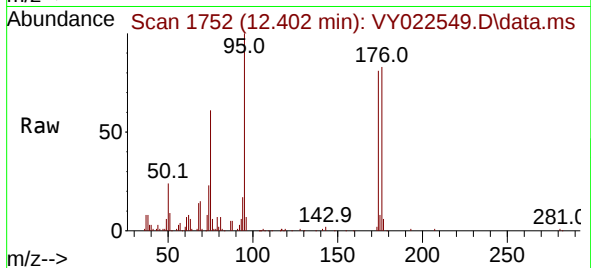




#62
4-Bromofluorobenzene
Concen: 35.931 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

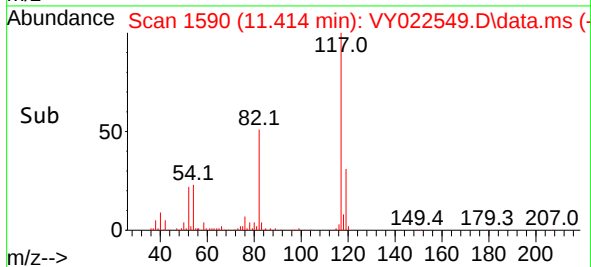
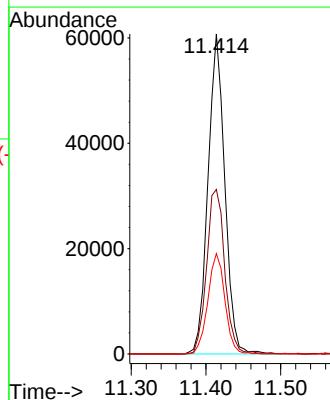
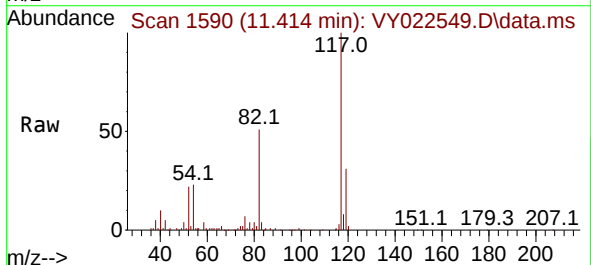
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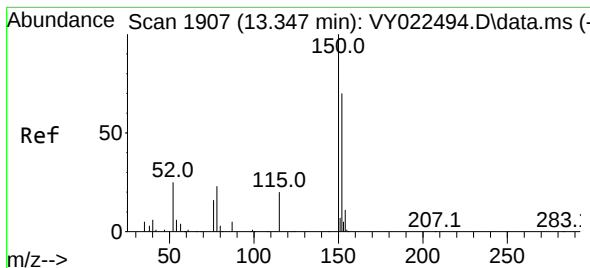
Tgt Ion: 95 Resp: 34017
Ion Ratio Lower Upper
95 100
174 86.2 0.0 170.0
176 83.6 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022549.D
Acq: 04 Jun 2025 14:37

Tgt Ion: 117 Resp: 94714
Ion Ratio Lower Upper
117 100
82 51.4 44.6 66.8
119 31.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022549.D

Acq: 04 Jun 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-343

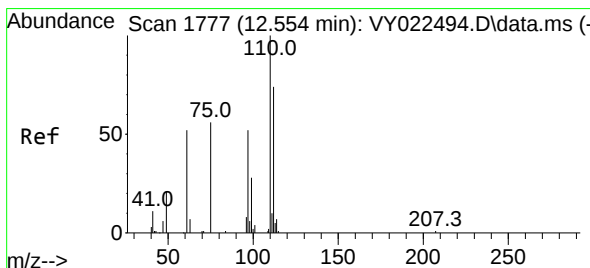
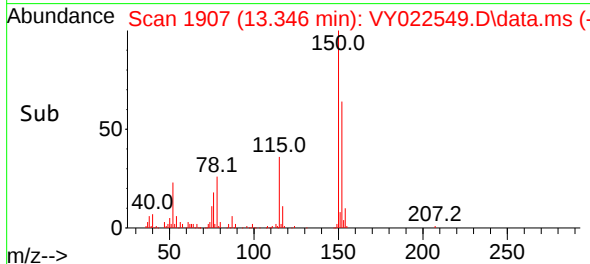
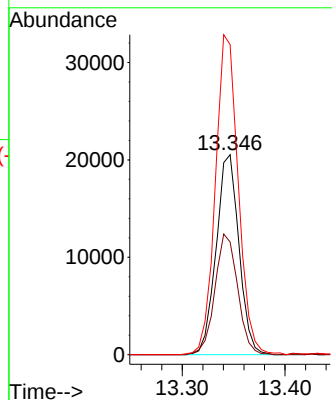
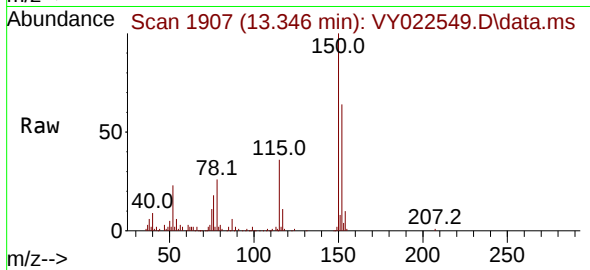
Tgt Ion:152 Resp: 31572

Ion Ratio Lower Upper

152 100

115 60.3 28.9 86.7

150 160.3 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 57.642 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022549.D

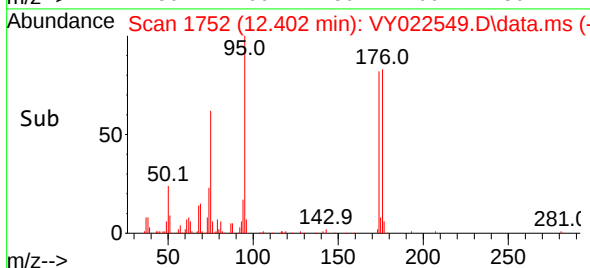
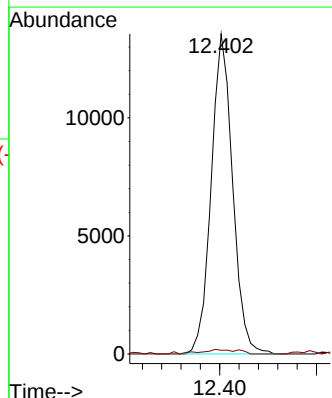
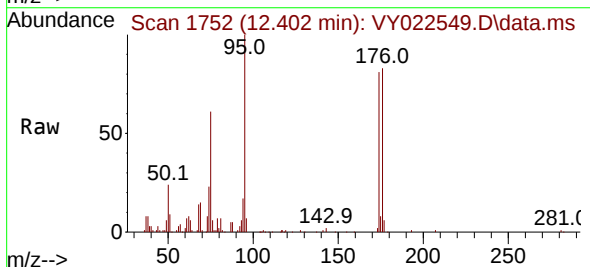
Acq: 04 Jun 2025 14:37

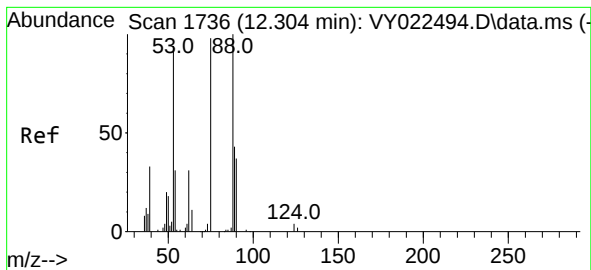
Tgt Ion: 75 Resp: 20820

Ion Ratio Lower Upper

75 100

77 2.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.202 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022549.D
 Acq: 04 Jun 2025 14:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-343

Tgt Ion: 75 Resp: 20820
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.0 35.7 53.5#

