

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022984.D
 Acq On : 08 Jul 2025 18:34
 Operator : SY/MD
 Sample : Q2480-03
 Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GPX3

Quant Time: Jul 09 02:35:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

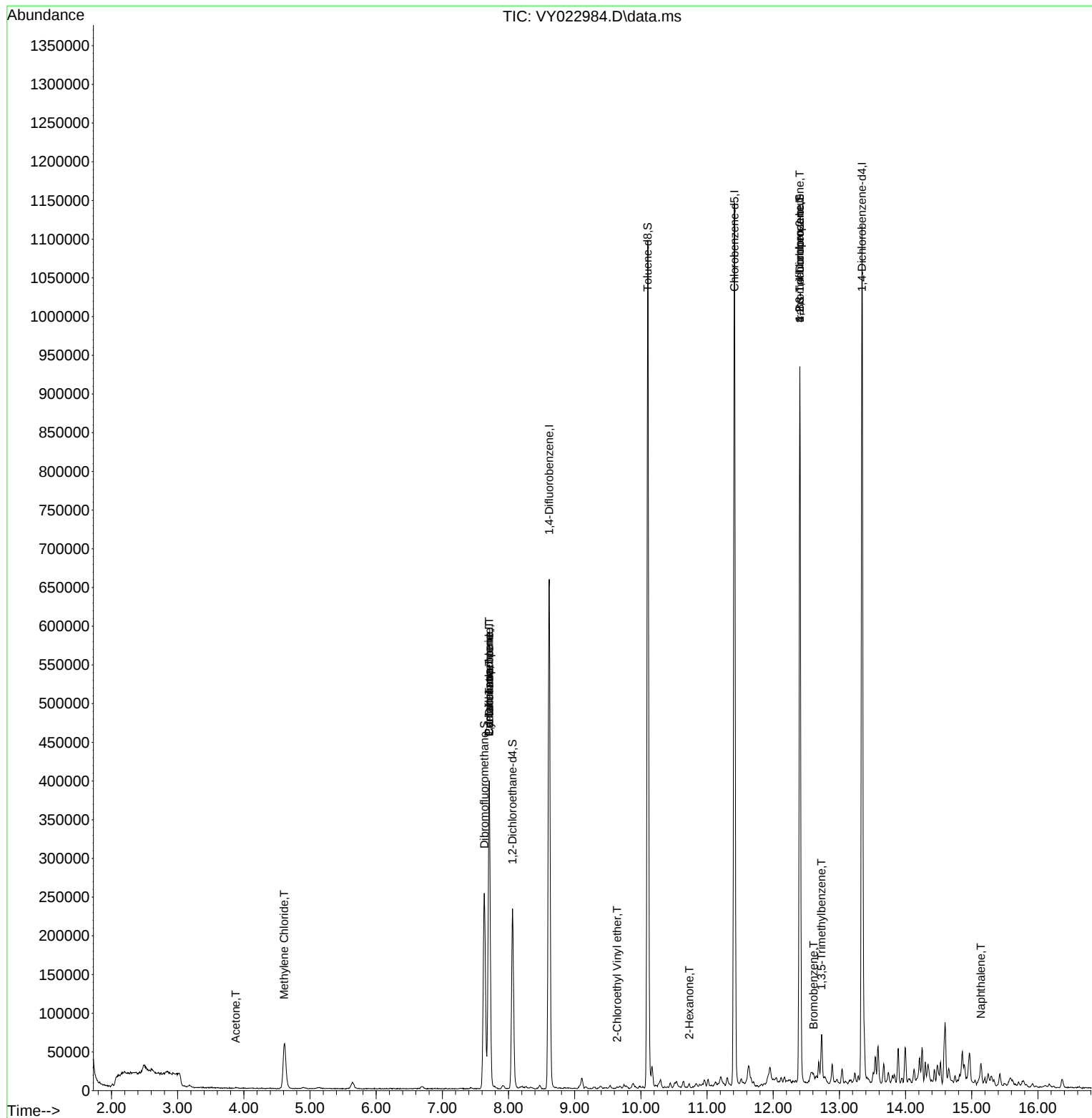
Internal Standards						
1) Pentafluorobenzene	7.707	168	292899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	566452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	267602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	176246	53.914	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.820%	
35) Dibromofluoromethane	7.634	113	176908	52.553	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.100%	
50) Toluene-d8	10.103	98	685048	51.285	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.560%	
62) 4-Bromofluorobenzene	12.402	95	255010	59.386	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 118.780%	
Target Compounds						Qvalue
16) Acetone	3.879	43	1334	2.159	ug/l	94
20) Methylene Chloride	4.610	84	43485	11.144	ug/l #	90
31) Cyclohexane	7.707	56	8548	1.522	ug/l #	35
36) 1,1-Dichloropropene	7.707	75	24659	4.833	ug/l #	50
38) Carbon Tetrachloride	7.707	117	29172	5.419	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.640	63	28	15.669	ug/l #	48
59) 2-Hexanone	10.731	43	2038	1.289	ug/l #	24
76) 1,2,3-Trichloropropane	12.402	75	146711	53.701	ug/l #	100
77) Bromobenzene	12.609	156	15613	3.480	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.731	105	19925	1.247	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.402	75	146711	135.670	ug/l #	10
95) Naphthalene	15.139	128	20142	2.485	ug/l	96

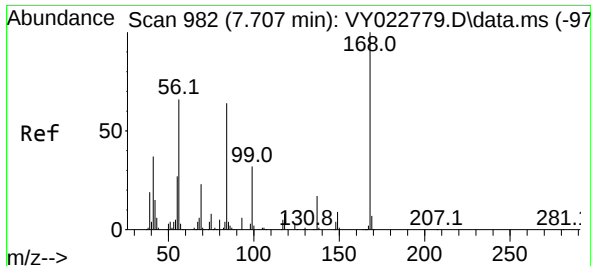
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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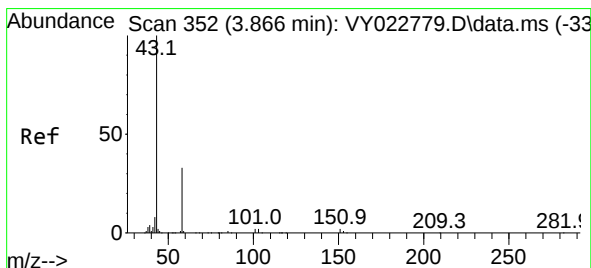
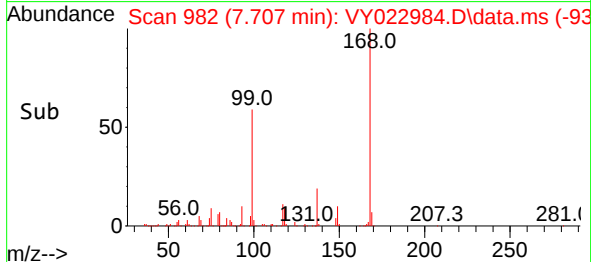
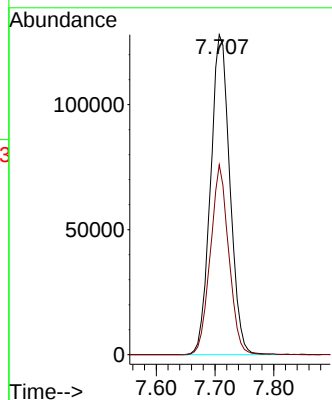
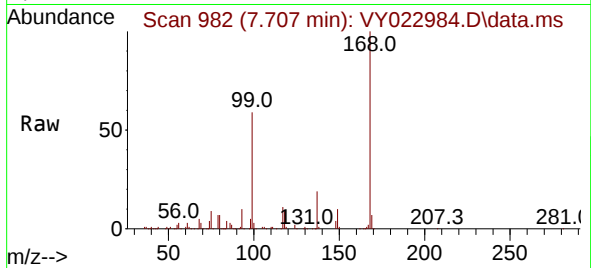




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

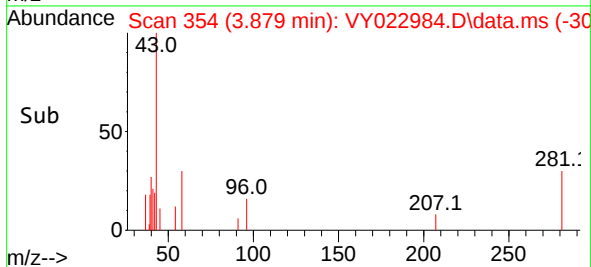
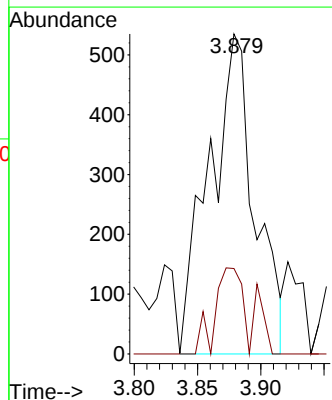
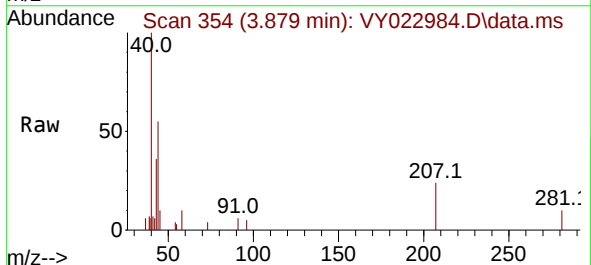
Instrument :
MSVOA_Y
ClientSampleId :
GPX3

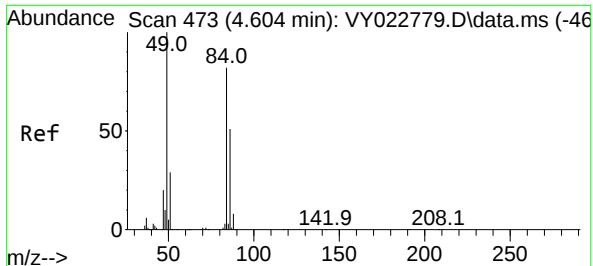
Tgt Ion:168 Resp: 292899
Ion Ratio Lower Upper
168 100
99 59.3 44.3 66.5



#16
Acetone
Concen: 2.159 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

Tgt Ion: 43 Resp: 1334
Ion Ratio Lower Upper
43 100
58 26.7 24.0 36.0

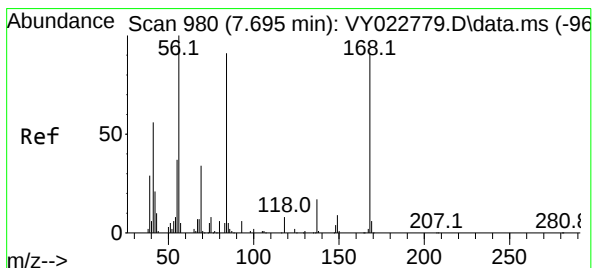
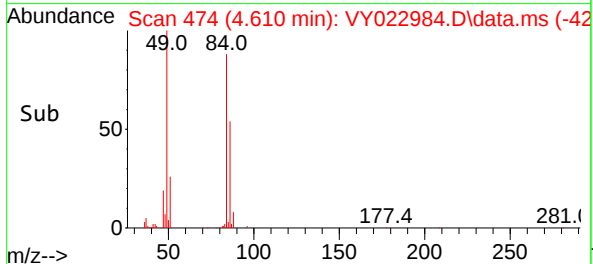
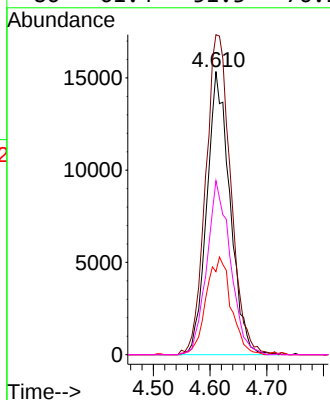
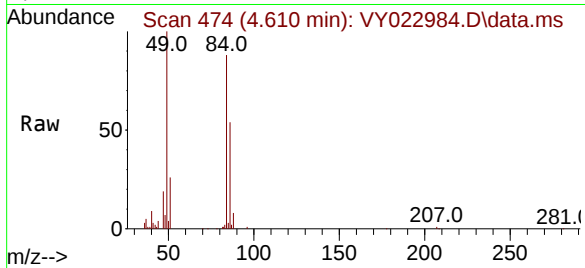




#20
Methylene Chloride
Concen: 11.144 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

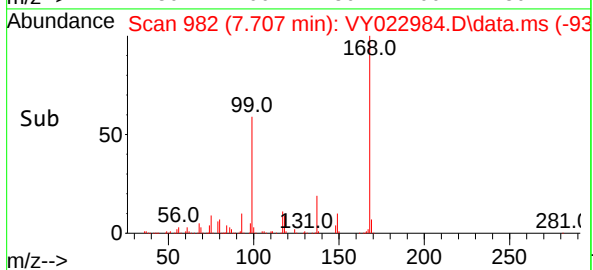
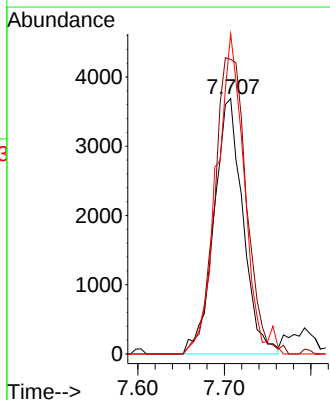
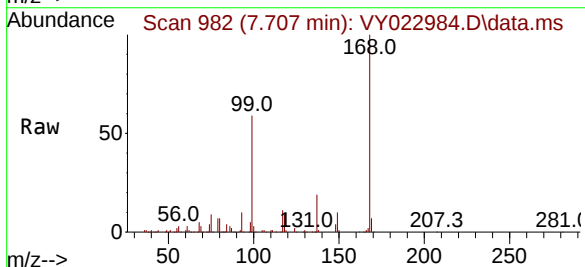
Instrument :
MSVOA_Y
ClientSampleId :
GPX3

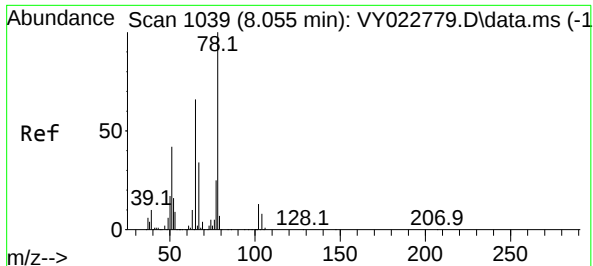
Tgt Ion: 84 Resp: 43485
Ion Ratio Lower Upper
84 100
49 113.0 101.9 152.9
51 29.3 29.8 44.8#
86 61.4 51.3 76.9



#31
Cyclohexane
Concen: 1.522 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

Tgt Ion: 56 Resp: 8548
Ion Ratio Lower Upper
56 100
69 115.3 27.0 40.6#
84 125.3 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 53.914 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY022984.D

Acq: 08 Jul 2025 18:34

Instrument :

MSVOA_Y

ClientSampleId :

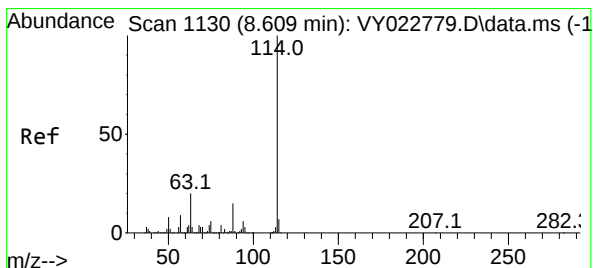
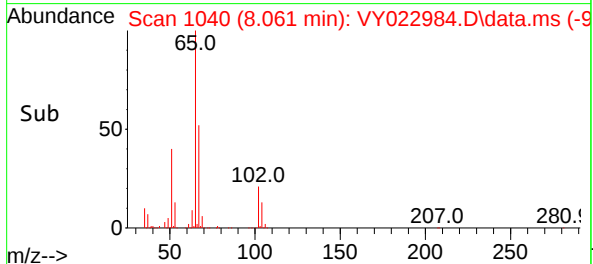
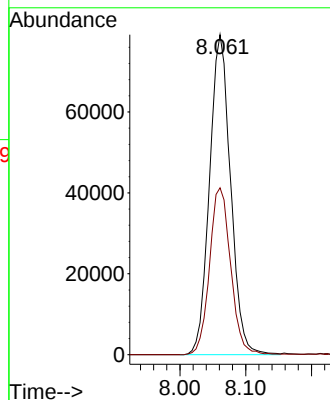
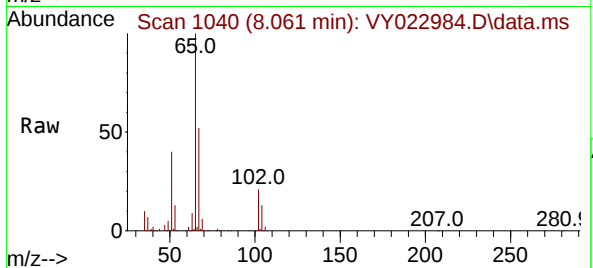
GPX3

Tgt Ion: 65 Resp: 176246

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: VY022984.D

Acq: 08 Jul 2025 18:34

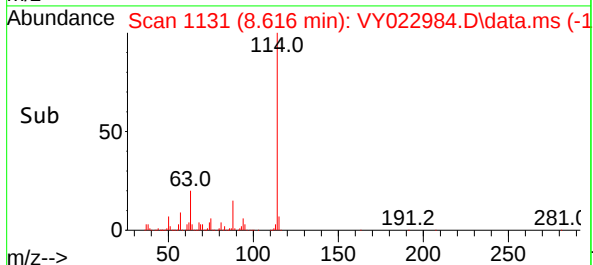
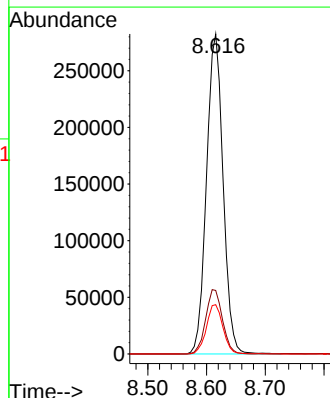
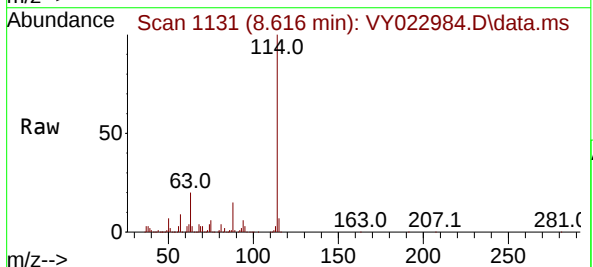
Tgt Ion:114 Resp: 553522

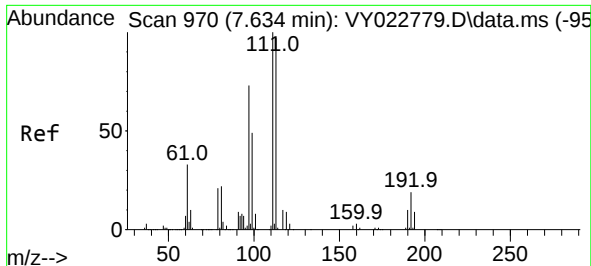
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 15.4 0.0 27.8

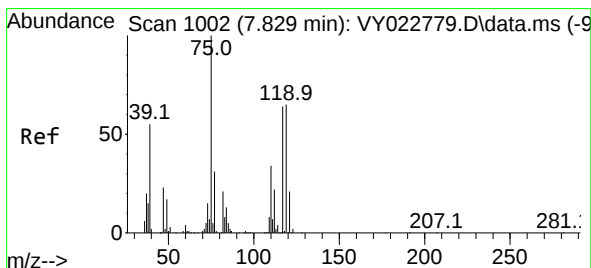
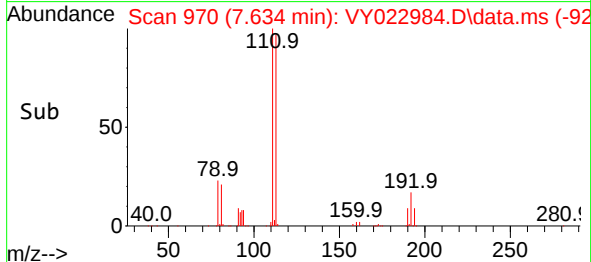
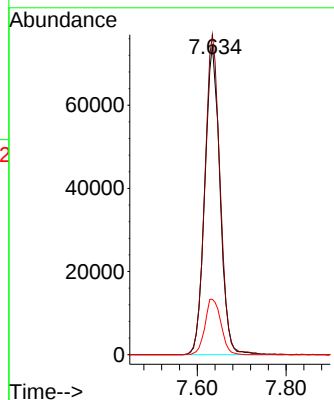
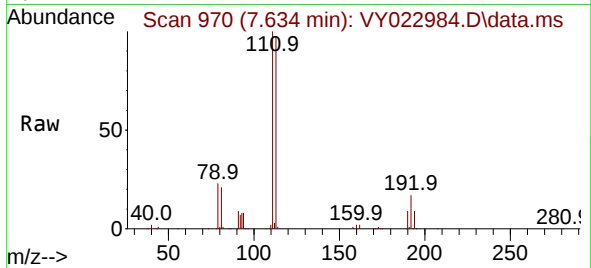




#35
Dibromofluoromethane
Concen: 52.553 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

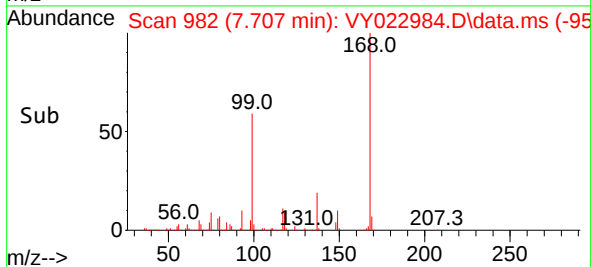
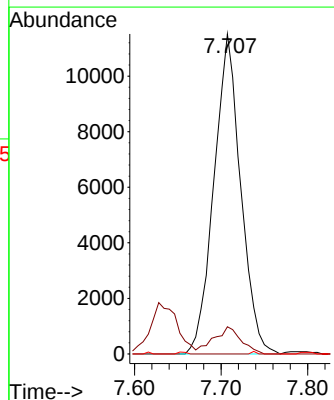
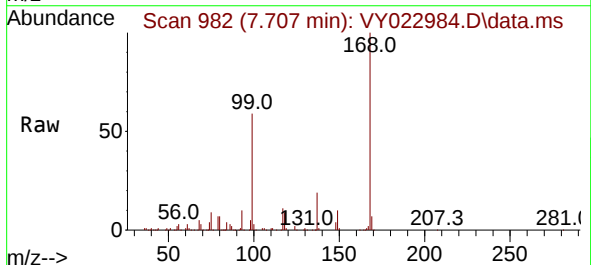
Instrument :
MSVOA_Y
ClientSampleId :
GPX3

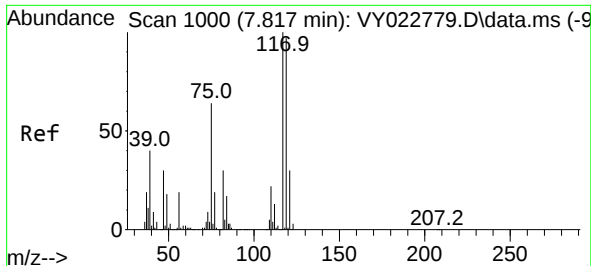
Tgt Ion:113 Resp: 176908
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 19.0 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.833 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

Tgt Ion: 75 Resp: 24659
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.7#
77 0.0 24.8 37.2#

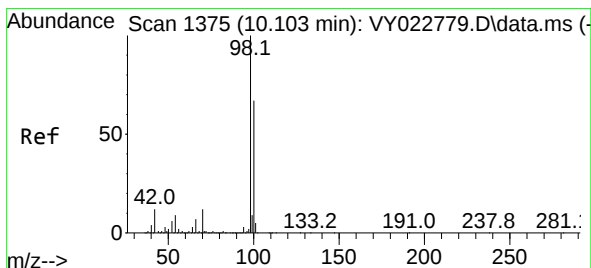
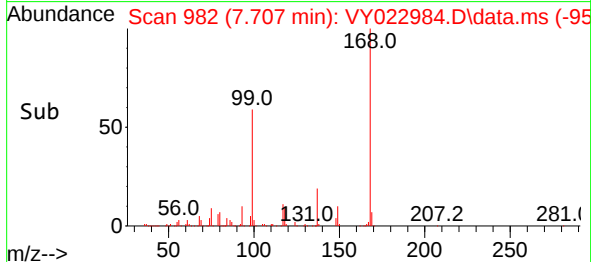
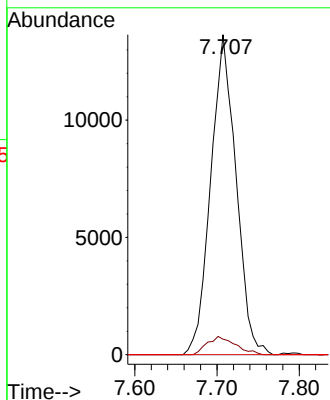
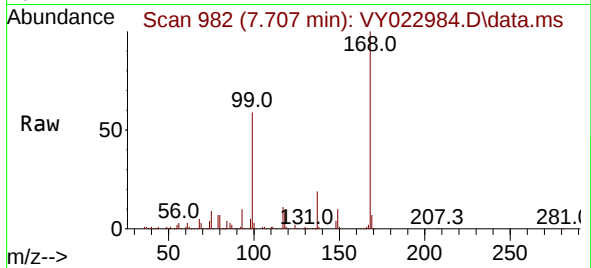




#38
Carbon Tetrachloride
Concen: 5.419 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

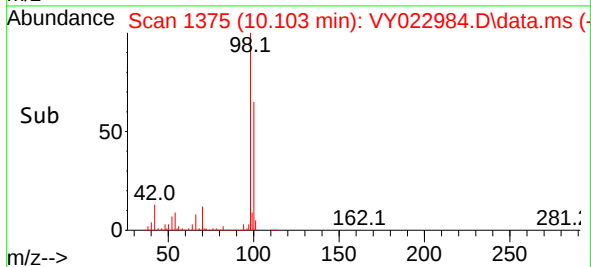
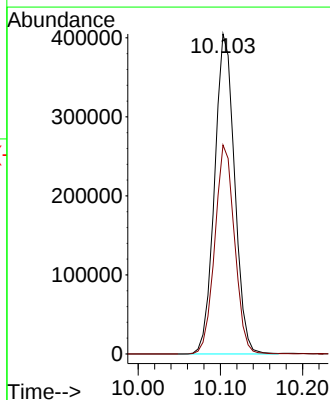
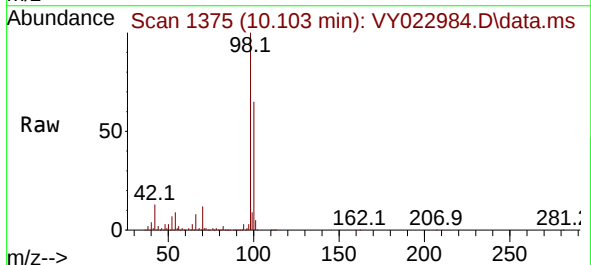
Instrument :
MSVOA_Y
ClientSampleId :
GPX3

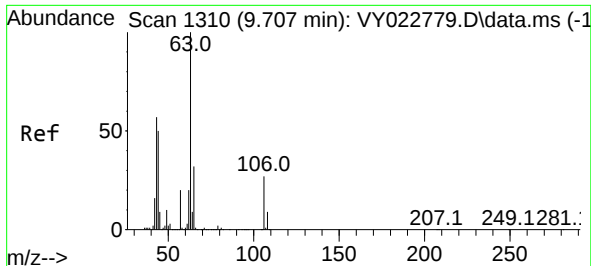
Tgt Ion:117 Resp: 29172
Ion Ratio Lower Upper
117 100
119 4.9 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 51.285 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

Tgt Ion: 98 Resp: 685048
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0





#58

2-Chloroethyl Vinyl ether

Concen: 15.669 ug/l

RT: 9.640 min Scan# 11

Delta R.T. -0.073 min

Lab File: VY022984.D

Acq: 08 Jul 2025 18:34

Instrument :

MSVOA_Y

ClientSampleId :

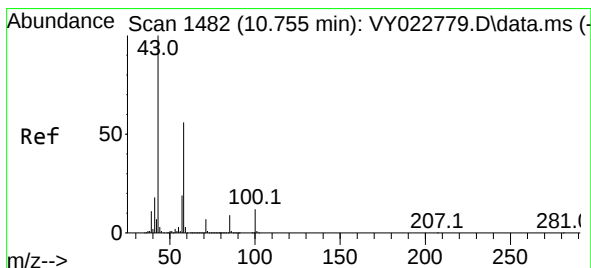
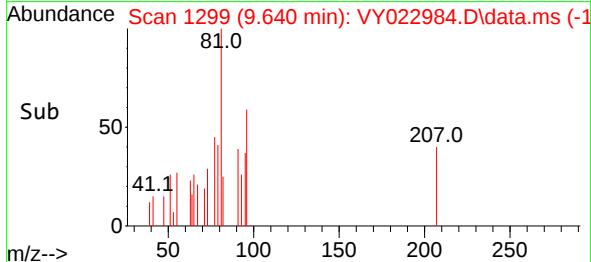
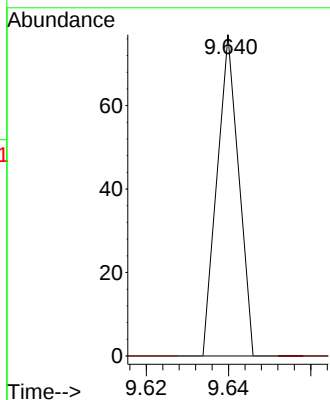
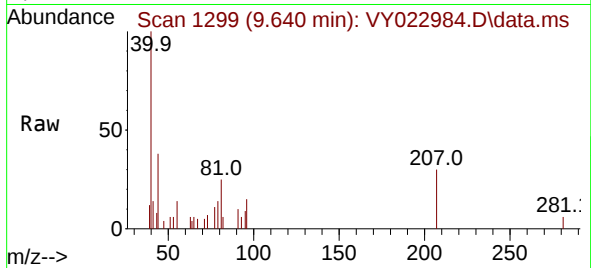
GPX3

Tgt Ion: 63 Resp: 28

Ion Ratio Lower Upper

63 100

106 0.0 21.6 32.4#



#59

2-Hexanone

Concen: 1.289 ug/l

RT: 10.731 min Scan# 1478

Delta R.T. -0.031 min

Lab File: VY022984.D

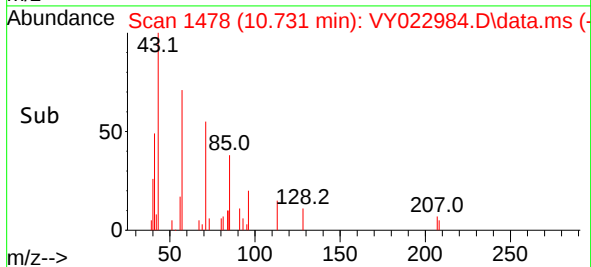
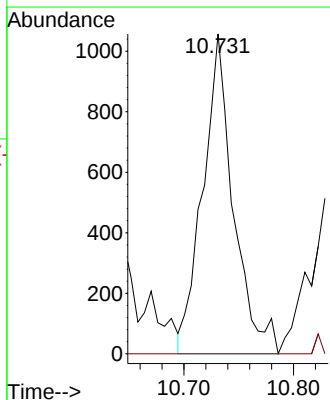
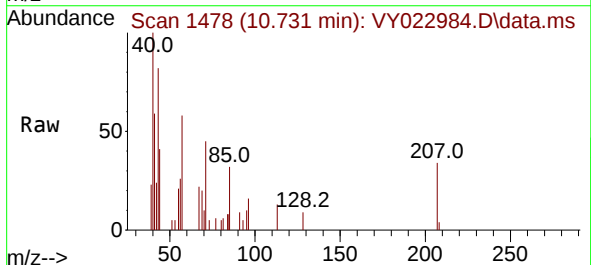
Acq: 08 Jul 2025 18:34

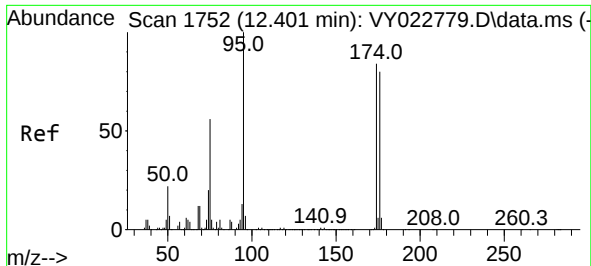
Tgt Ion: 43 Resp: 2038

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#





#62

4-Bromofluorobenzene

Concen: 59.386 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022984.D

Acq: 08 Jul 2025 18:34

Instrument :

MSVOA_Y

ClientSampleId :

GPX3

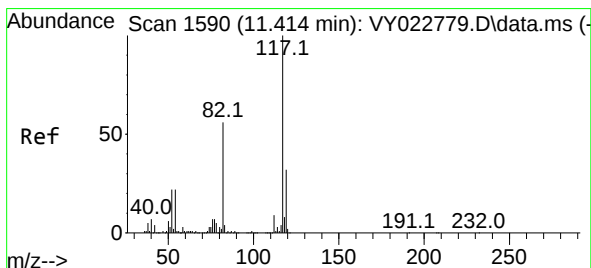
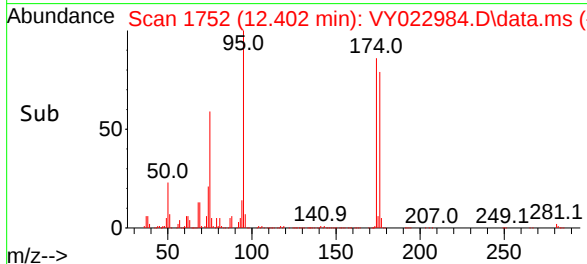
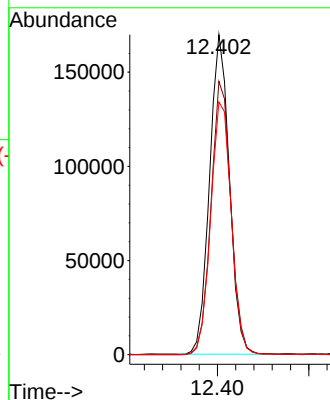
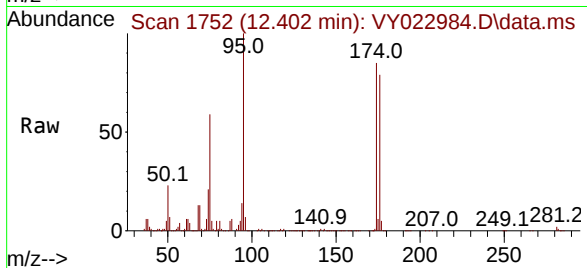
Tgt Ion: 95 Resp: 255010

Ion Ratio Lower Upper

95 100

174 86.3 0.0 170.0

176 82.1 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: VY022984.D

Acq: 08 Jul 2025 18:34

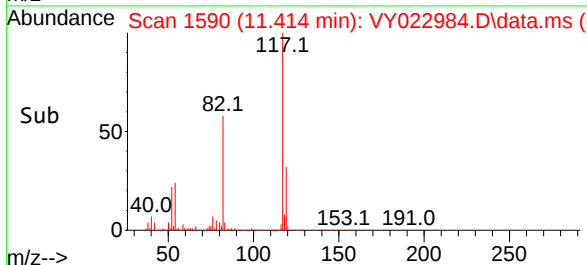
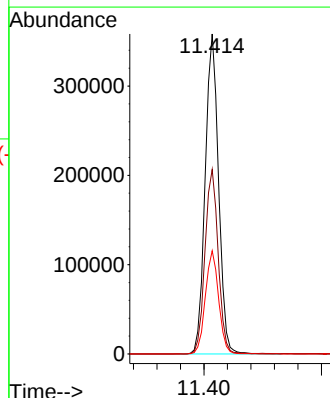
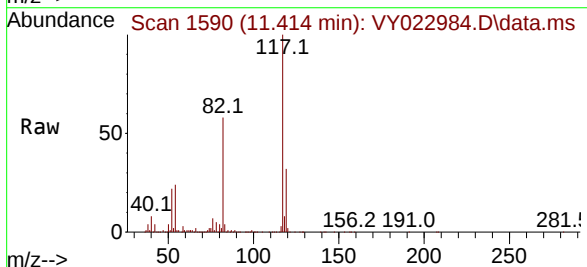
Tgt Ion: 117 Resp: 566452

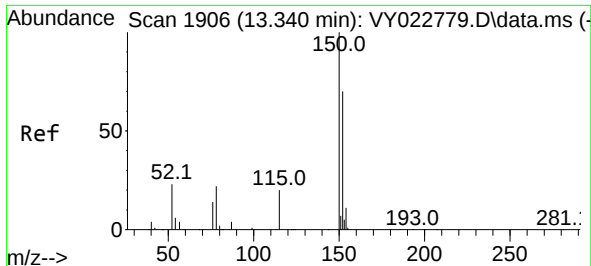
Ion Ratio Lower Upper

117 100

82 57.6 44.6 66.8

119 32.3 25.4 38.0

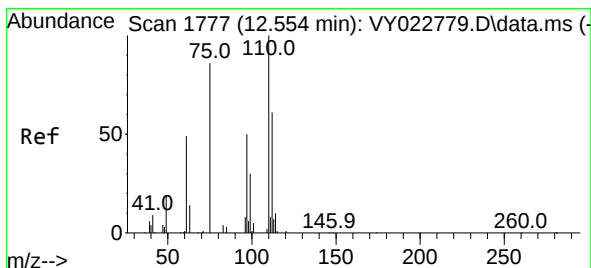
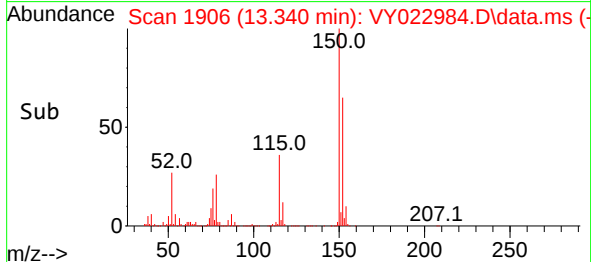
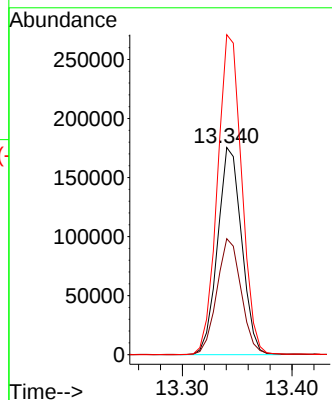
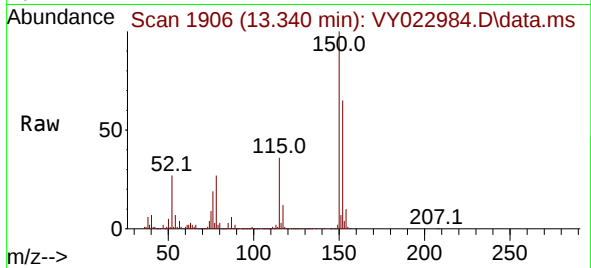




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022984.D
 Acq: 08 Jul 2025 18:34

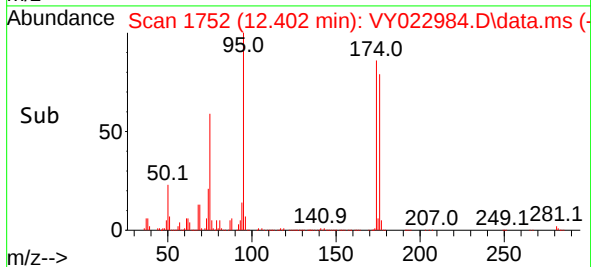
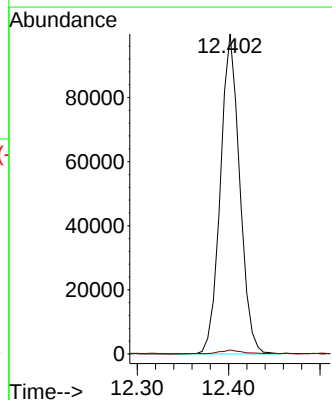
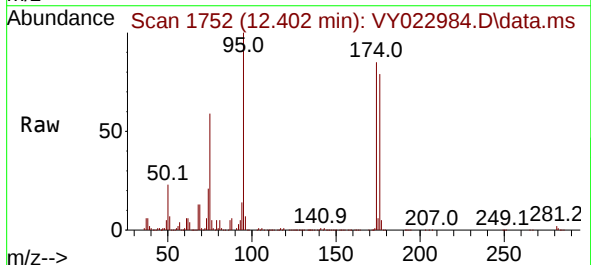
Instrument :
 MSVOA_Y
 ClientSampleId :
 GPX3

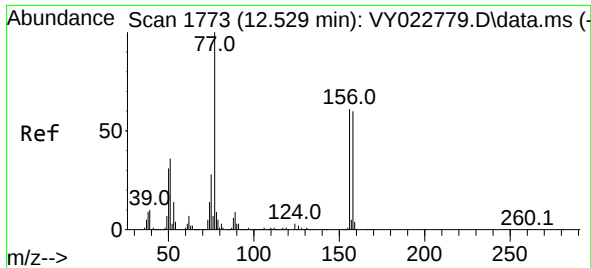
Tgt Ion:152 Resp: 267602
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.9 86.7
 150 155.8 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 53.701 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022984.D
 Acq: 08 Jul 2025 18:34

Tgt Ion: 75 Resp: 146711
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

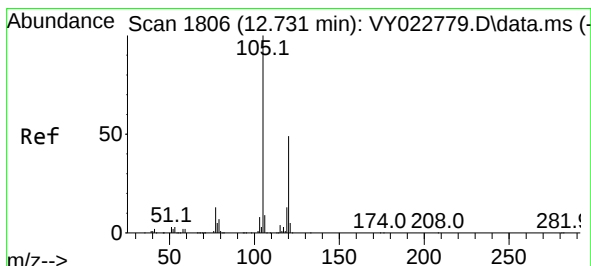
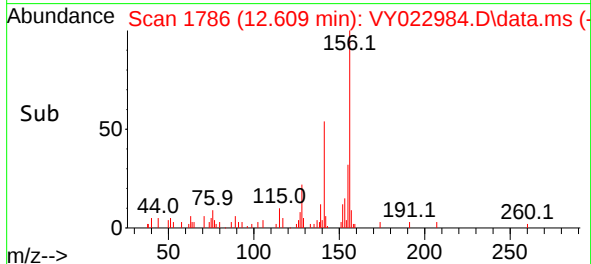
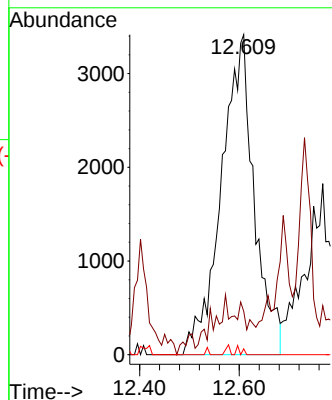
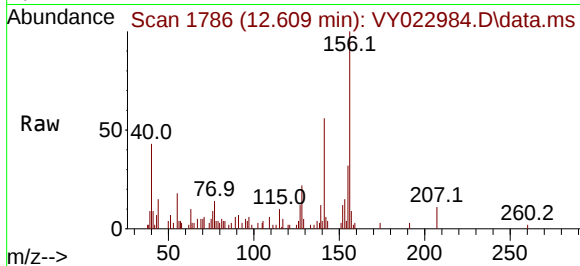




#77
Bromobenzene
Concen: 3.480 ug/l
RT: 12.609 min Scan# 1773
Delta R.T. 0.073 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

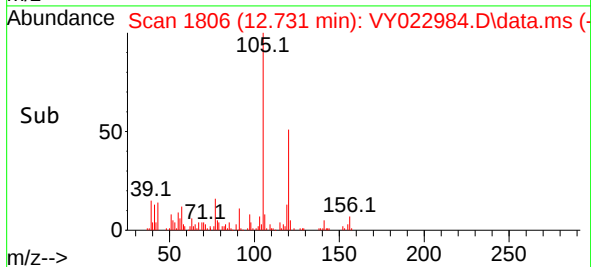
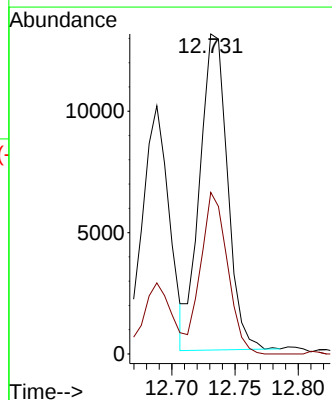
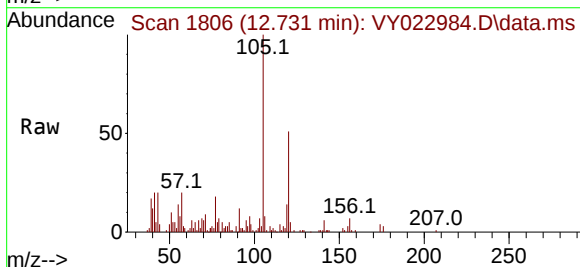
Instrument :
MSVOA_Y
ClientSampleId :
GPX3

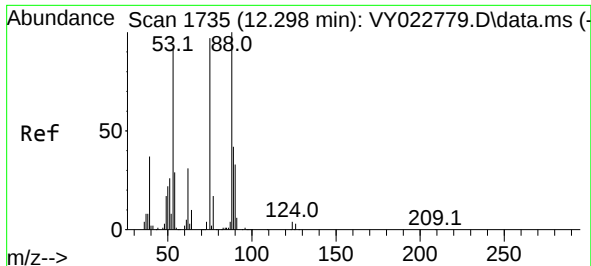
Tgt Ion:156 Resp: 15613
Ion Ratio Lower Upper
156 100
77 0.0 94.0 282.1#
158 0.4 48.2 144.6#



#80
1,3,5-Trimethylbenzene
Concen: 1.247 ug/l
RT: 12.731 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

Tgt Ion:105 Resp: 19925
Ion Ratio Lower Upper
105 100
120 48.4 24.1 72.4

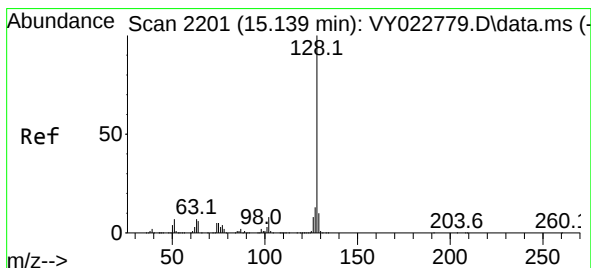
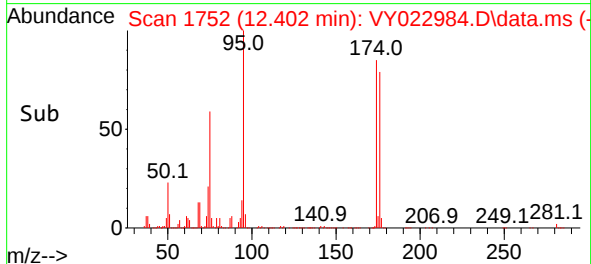
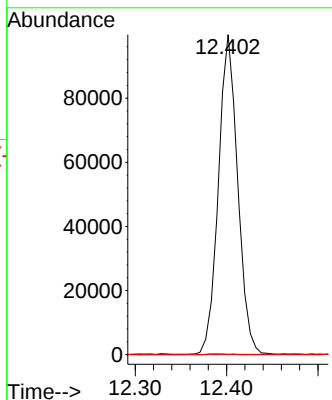
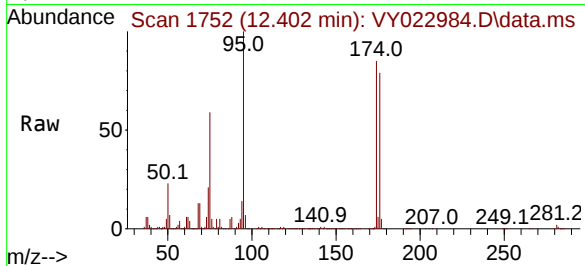




#81
trans-1,4-Dichloro-2-butene
Concen: 135.670 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

Instrument :
MSVOA_Y
ClientSampleId :
GPX3

Tgt Ion: 75 Resp: 146711
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.1 35.7 53.5#



#95
Naphthalene
Concen: 2.485 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY022984.D
Acq: 08 Jul 2025 18:34

Tgt Ion: 128 Resp: 20142
Ion Ratio Lower Upper
128 100
127 14.6 10.4 15.6
129 12.7 8.9 13.3

