

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022773.D
 Acq On : 20 Jun 2025 19:02
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 21 02:44:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

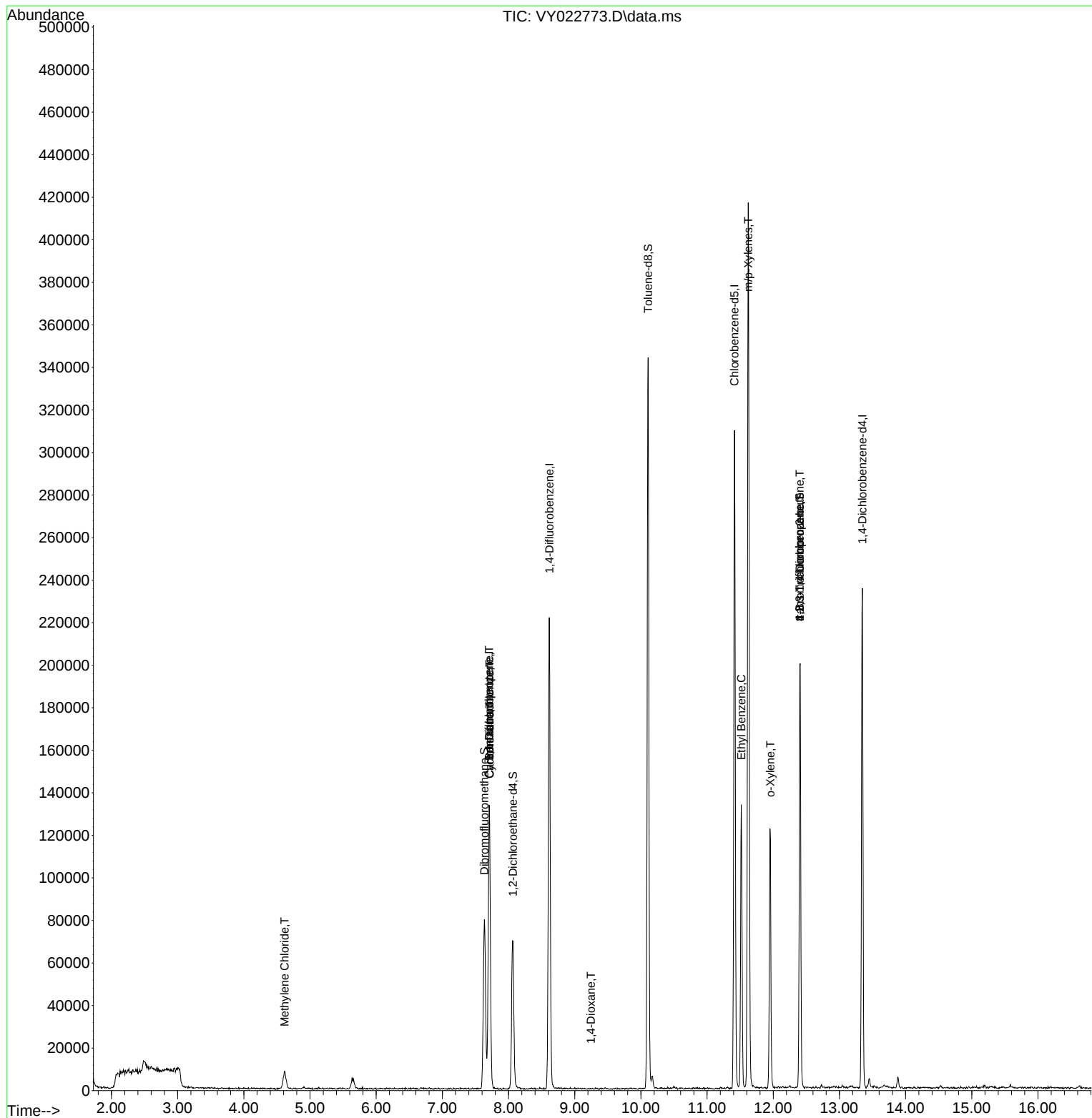
Internal Standards						
1) Pentafluorobenzene	7.707	168	95706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	180954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	147179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	55325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	54266	50.696	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.400%	
35) Dibromofluoromethane	7.634	113	55167	51.077	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.160%	
50) Toluene-d8	10.109	98	218742	50.122	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.240%	
62) 4-Bromofluorobenzene	12.402	95	54622	42.007	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.020%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	5797	4.695	ug/l #	88
31) Cyclohexane	7.713	56	3021	1.469	ug/l #	58
36) 1,1-Dichloropropene	7.707	75	9053	5.164	ug/l #	51
38) Carbon Tetrachloride	7.713	117	10255	5.703	ug/l #	16
49) 1,4-Dioxane	9.244	88	23	2.820	ug/l #	1
67) Ethyl Benzene	11.518	91	88428	14.638	ug/l	100
68) m/p-Xylenes	11.621	106	118972	51.953	ug/l	97
69) o-Xylene	11.957	106	31766	14.795	ug/l	97
76) 1,2,3-Trichloropropane	12.402	75	32916	52.005	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	32916	125.589	ug/l #	10

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

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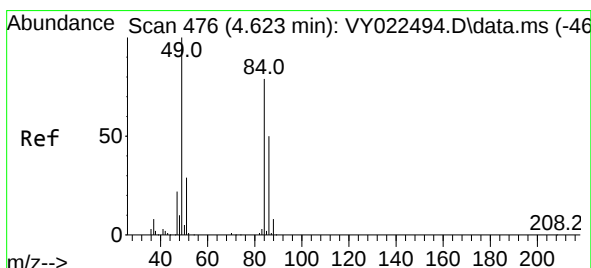
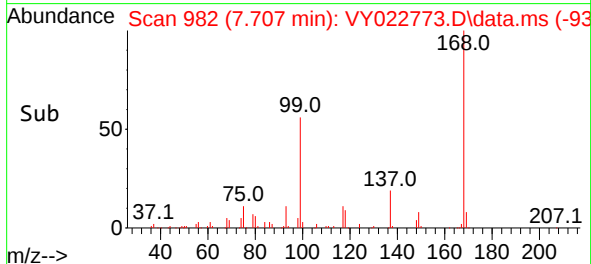
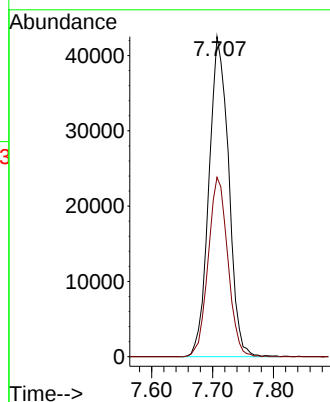
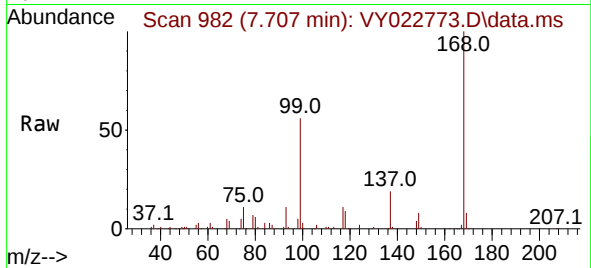




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

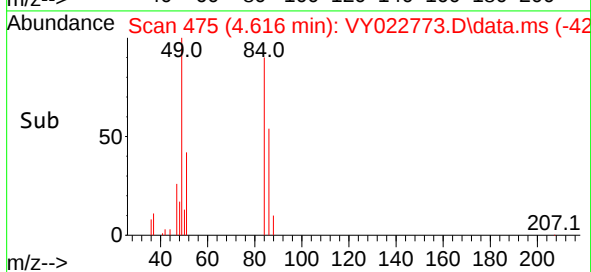
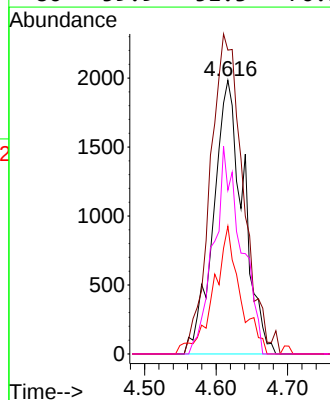
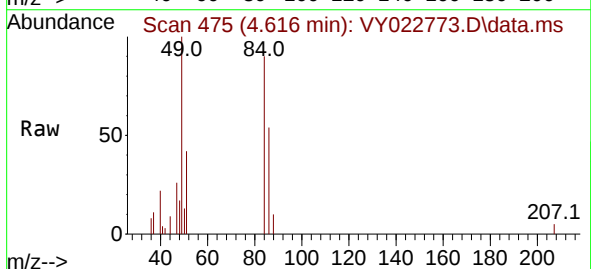
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

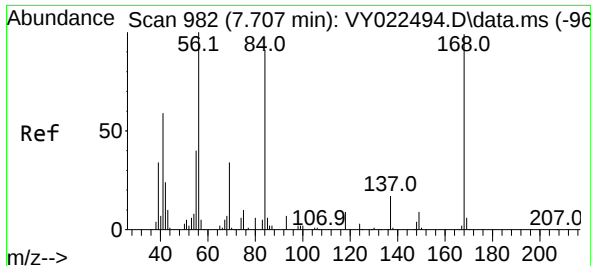
Tgt Ion:168 Resp: 95706
Ion Ratio Lower Upper
168 100
99 56.0 44.3 66.5



#20
Methylene Chloride
Concen: 4.695 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

Tgt Ion: 84 Resp: 5797
Ion Ratio Lower Upper
84 100
49 111.1 101.9 152.9
51 46.7 29.8 44.8#
86 59.9 51.3 76.9

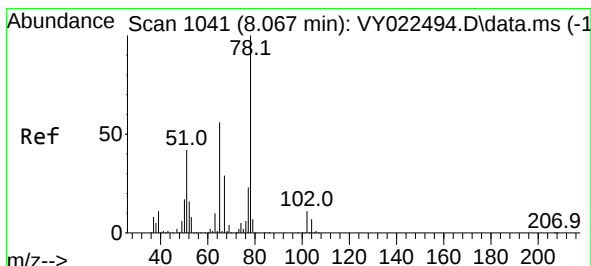
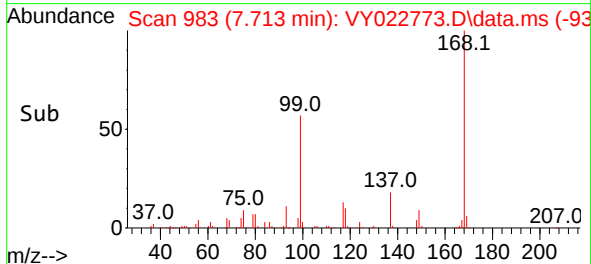
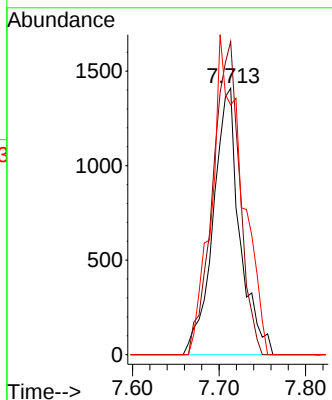
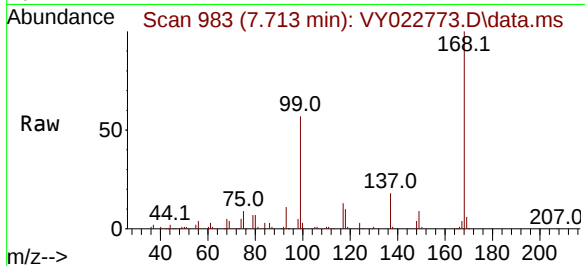




#31
Cyclohexane
Concen: 1.469 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

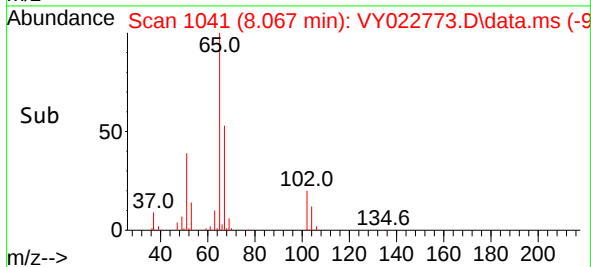
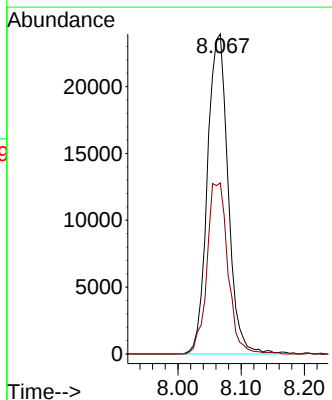
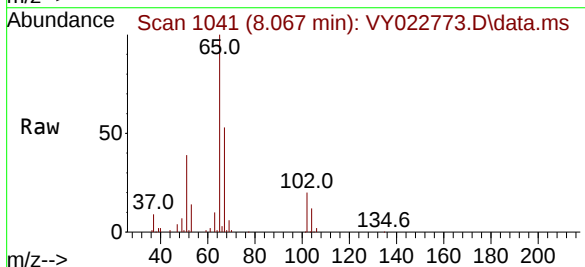
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 56 Resp: 3021
Ion Ratio Lower Upper
56 100
69 117.6 27.0 40.6#
84 93.8 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 50.696 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

Tgt Ion: 65 Resp: 54266
Ion Ratio Lower Upper
65 100
67 54.1 0.0 103.4

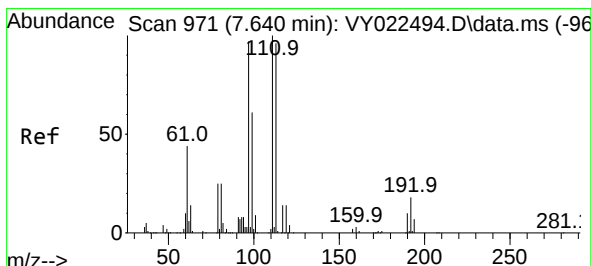
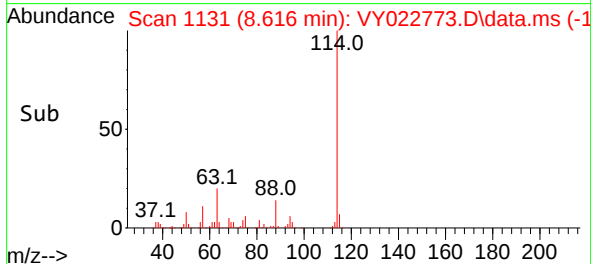
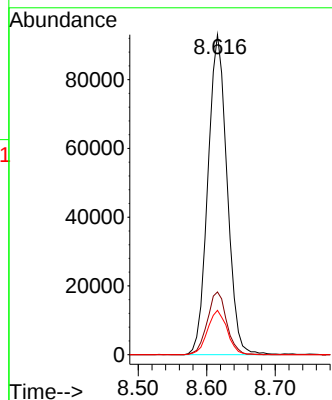
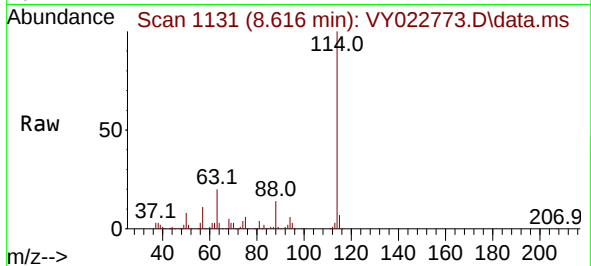




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

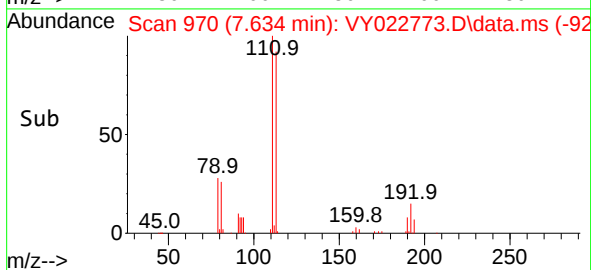
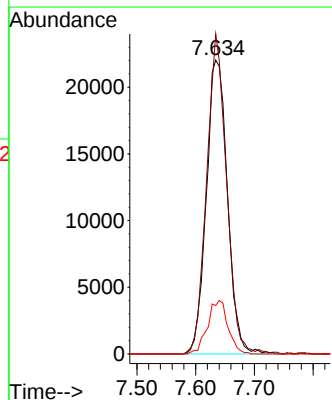
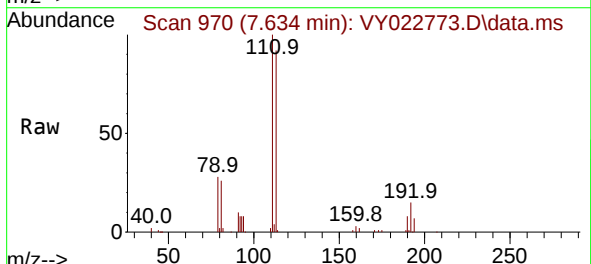
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

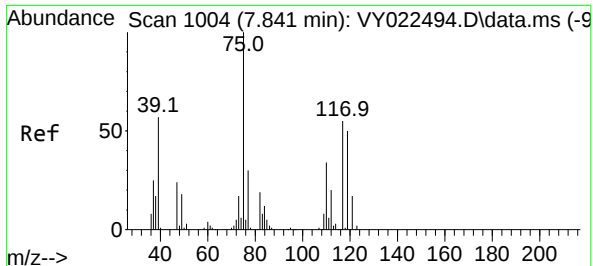
Tgt Ion:114 Resp: 180954
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.8
88 13.9 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.077 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

Tgt Ion:113 Resp: 55167
Ion Ratio Lower Upper
113 100
111 101.6 81.1 121.7
192 17.6 14.2 21.2

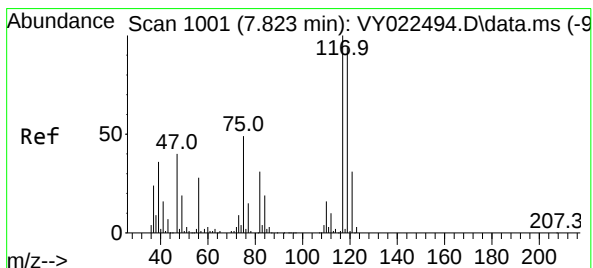
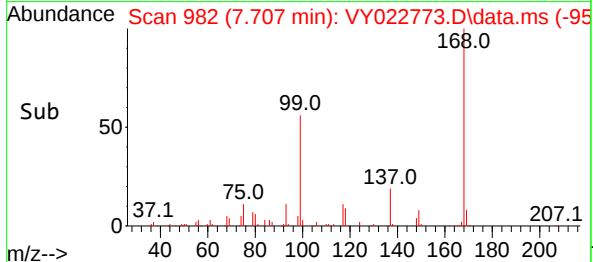
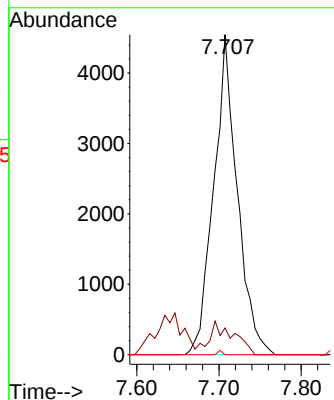
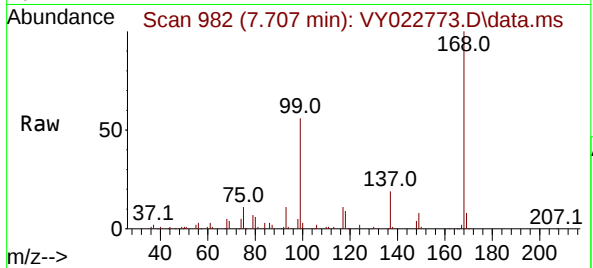




#36
1,1-Dichloropropene
Concen: 5.164 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

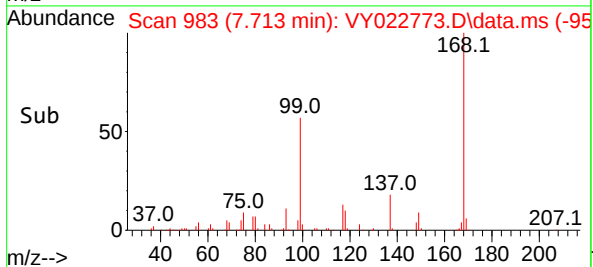
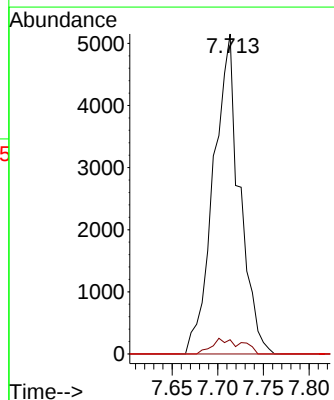
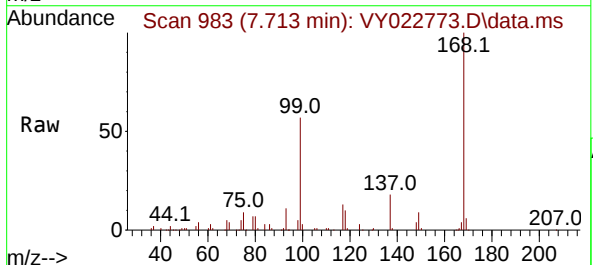
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

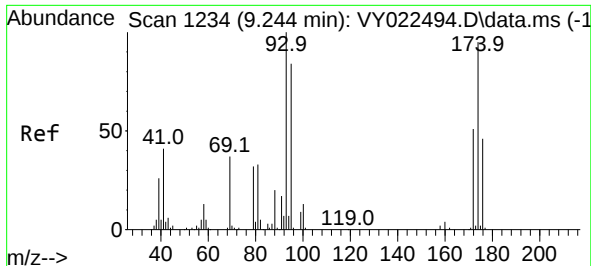
Tgt Ion: 75 Resp: 9053
Ion Ratio Lower Upper
75 100
110 9.7 16.9 50.7#
77 0.2 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.703 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

Tgt Ion: 117 Resp: 10255
Ion Ratio Lower Upper
117 100
119 4.4 75.0 112.6#
121 0.0 25.0 37.4#





#49

1,4-Dioxane

Concen: 2.820 ug/l

RT: 9.244 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022773.D

Acq: 20 Jun 2025 19:02

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

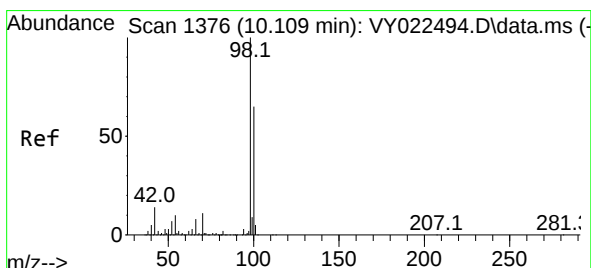
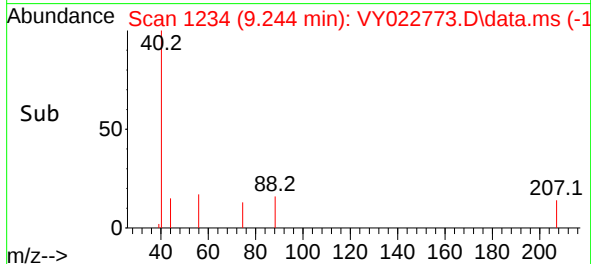
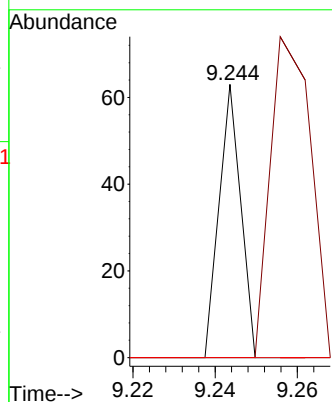
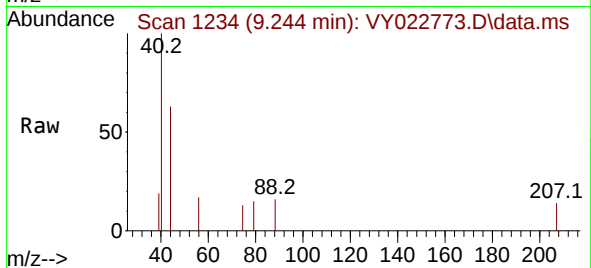
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 221.7 25.4 38.2#

58 0.0 54.9 82.3#



#50

Toluene-d8

Concen: 50.122 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022773.D

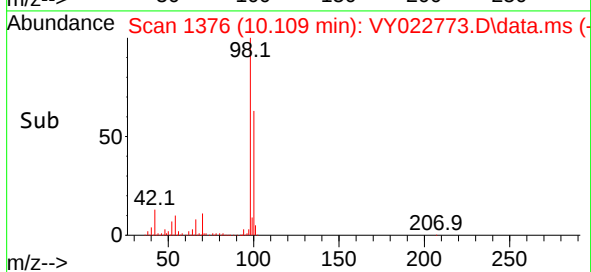
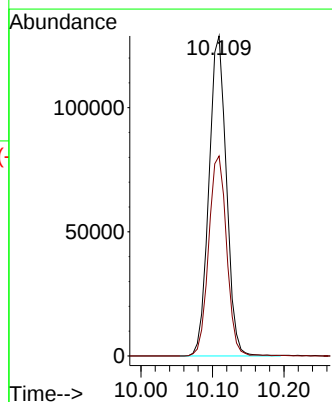
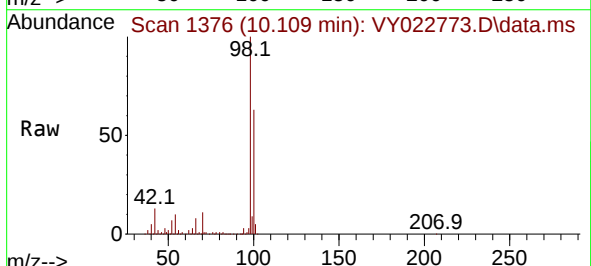
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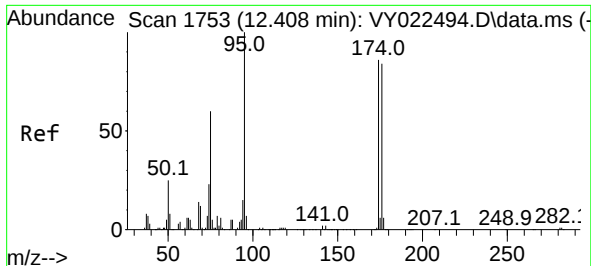
Tgt Ion: 98 Resp: 218742

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0

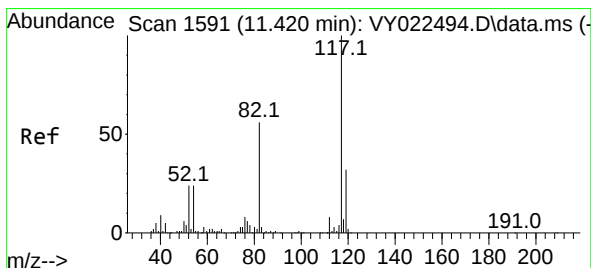
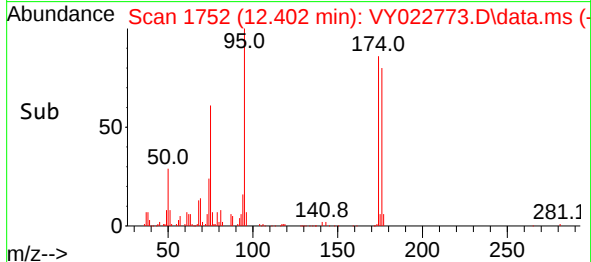
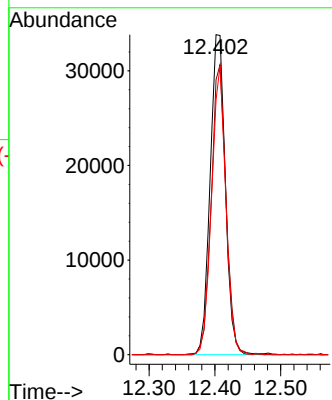
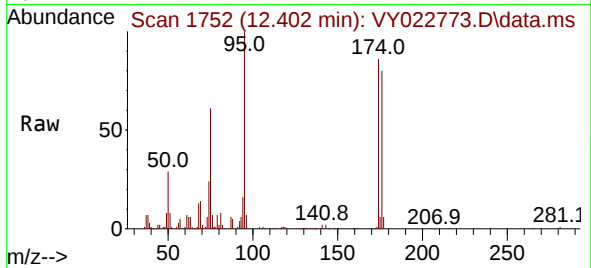




#62
4-Bromofluorobenzene
Concen: 42.007 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

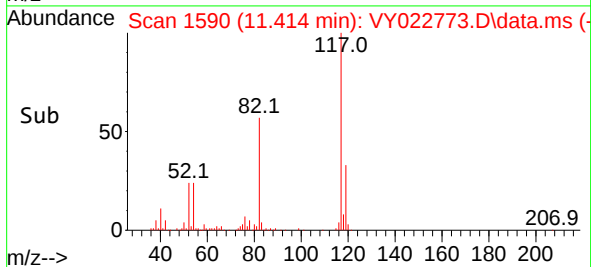
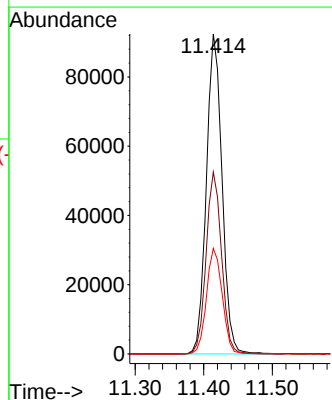
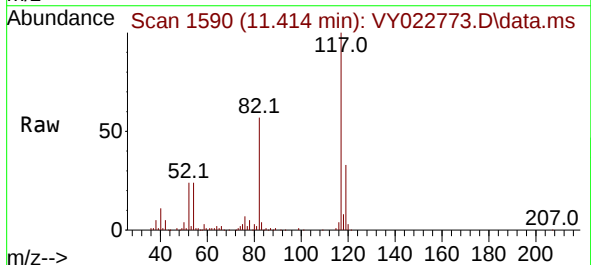
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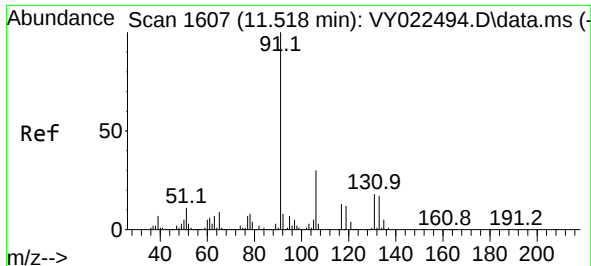
Tgt Ion: 95 Resp: 54622
Ion Ratio Lower Upper
95 100
174 87.8 0.0 170.0
176 84.4 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

Tgt Ion: 117 Resp: 147179
Ion Ratio Lower Upper
117 100
82 56.9 44.6 66.8
119 33.0 25.4 38.0





#67

Ethyl Benzene

Concen: 14.638 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY022773.D

Acq: 20 Jun 2025 19:02

Instrument :

MSVOA_Y

ClientSampleId :

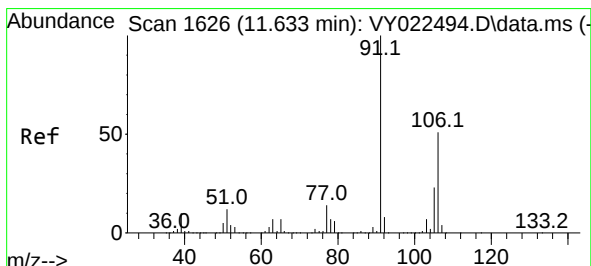
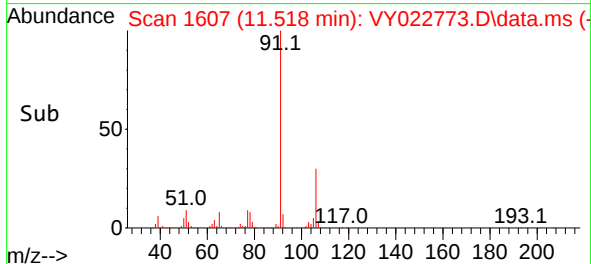
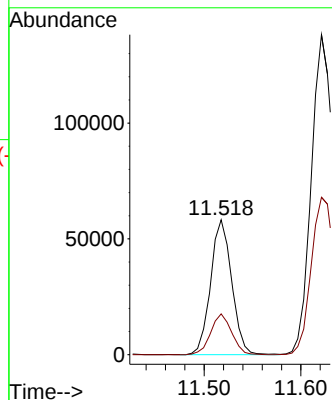
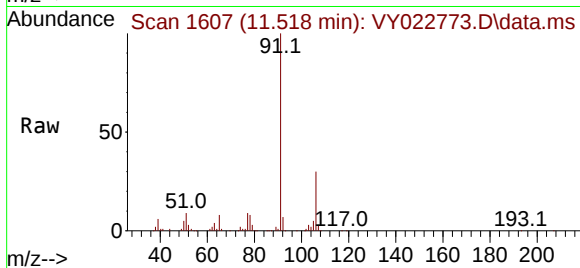
VIBLK

Tgt Ion: 91 Resp: 88428

Ion Ratio Lower Upper

91 100

106 30.2 24.2 36.4



#68

m/p-Xylenes

Concen: 51.953 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.012 min

Lab File: VY022773.D

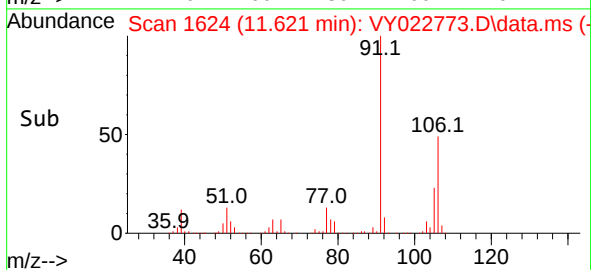
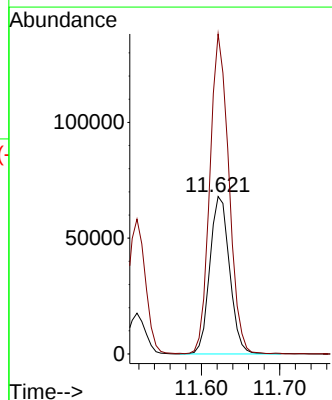
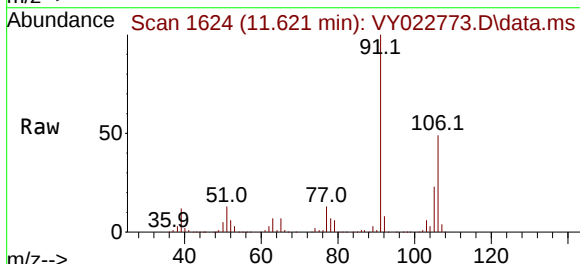
Acq: 20 Jun 2025 19:02

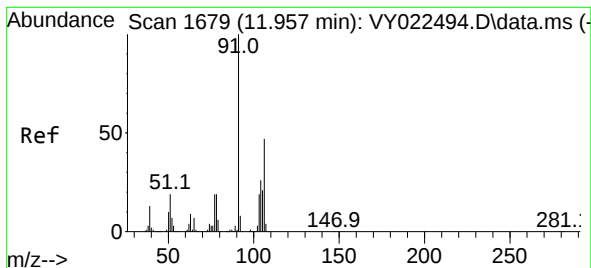
Tgt Ion:106 Resp: 118972

Ion Ratio Lower Upper

106 100

91 195.3 159.4 239.0





#69

o-Xylene

Concen: 14.795 ug/l

RT: 11.957 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022773.D

Acq: 20 Jun 2025 19:02

Instrument :

MSVOA_Y

ClientSampleId :

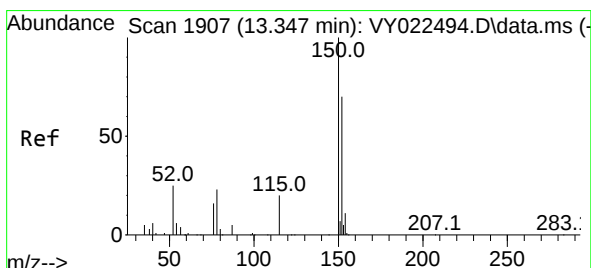
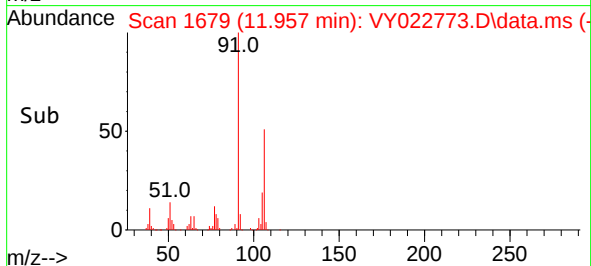
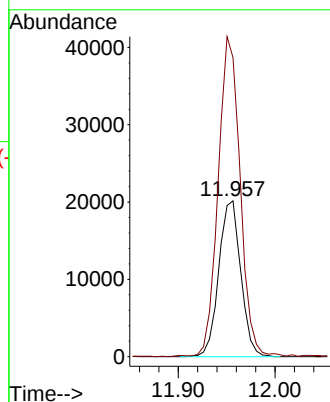
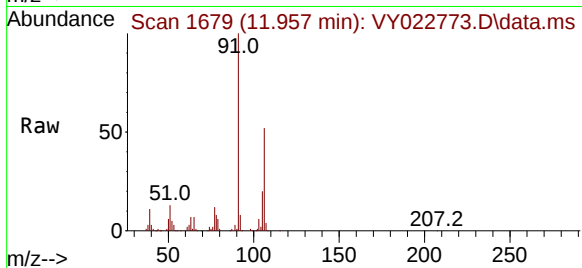
VIBLK

Tgt Ion:106 Resp: 31766

Ion Ratio Lower Upper

106 100

91 206.7 105.8 317.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022773.D

Acq: 20 Jun 2025 19:02

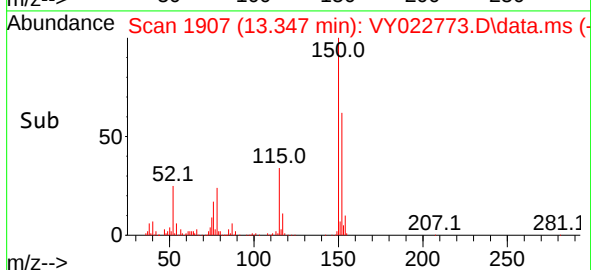
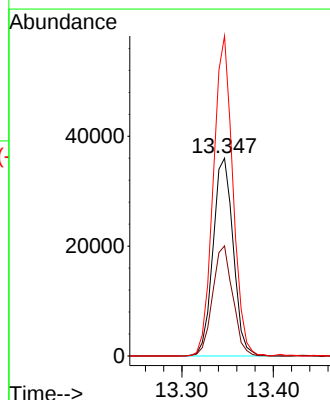
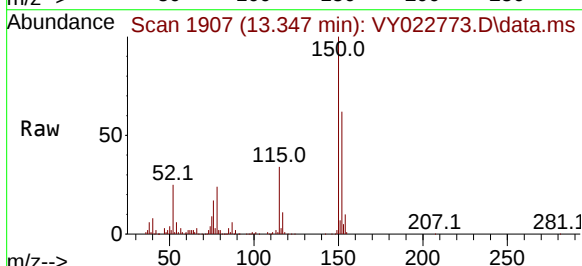
Tgt Ion:152 Resp: 55325

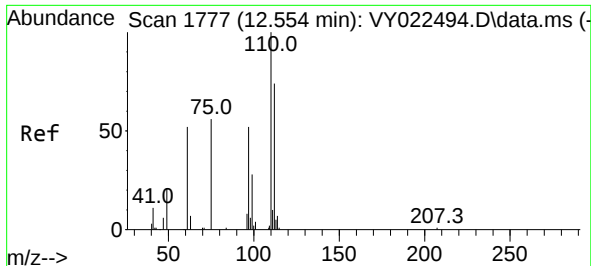
Ion Ratio Lower Upper

152 100

115 55.5 28.9 86.7

150 156.5 0.0 349.6

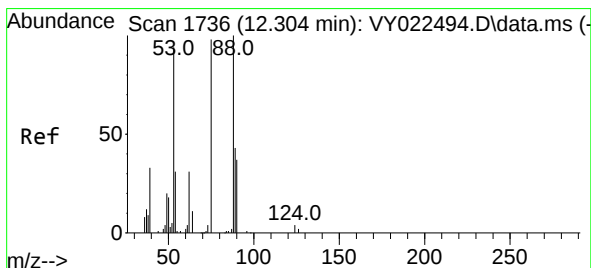
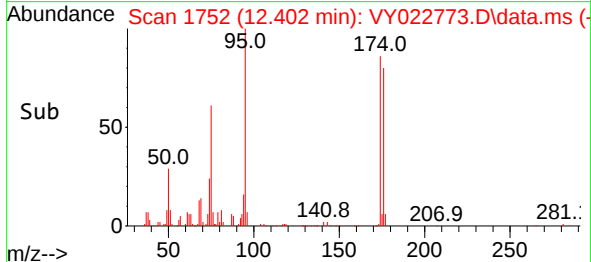
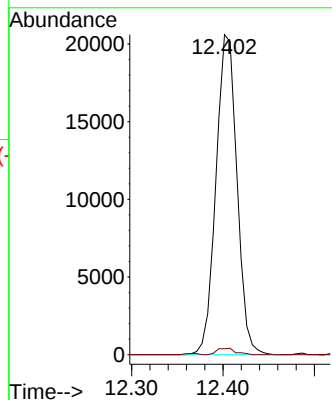
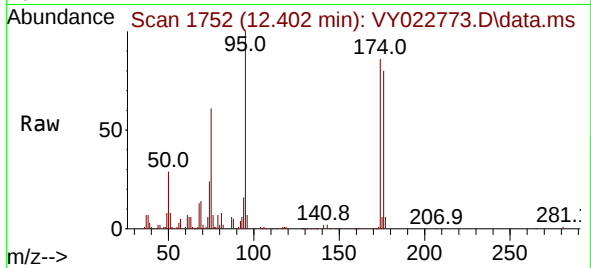




#76
1,2,3-Trichloropropane
Concen: 52.005 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 32916
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.589 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

Tgt Ion: 75 Resp: 32916
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

