

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)

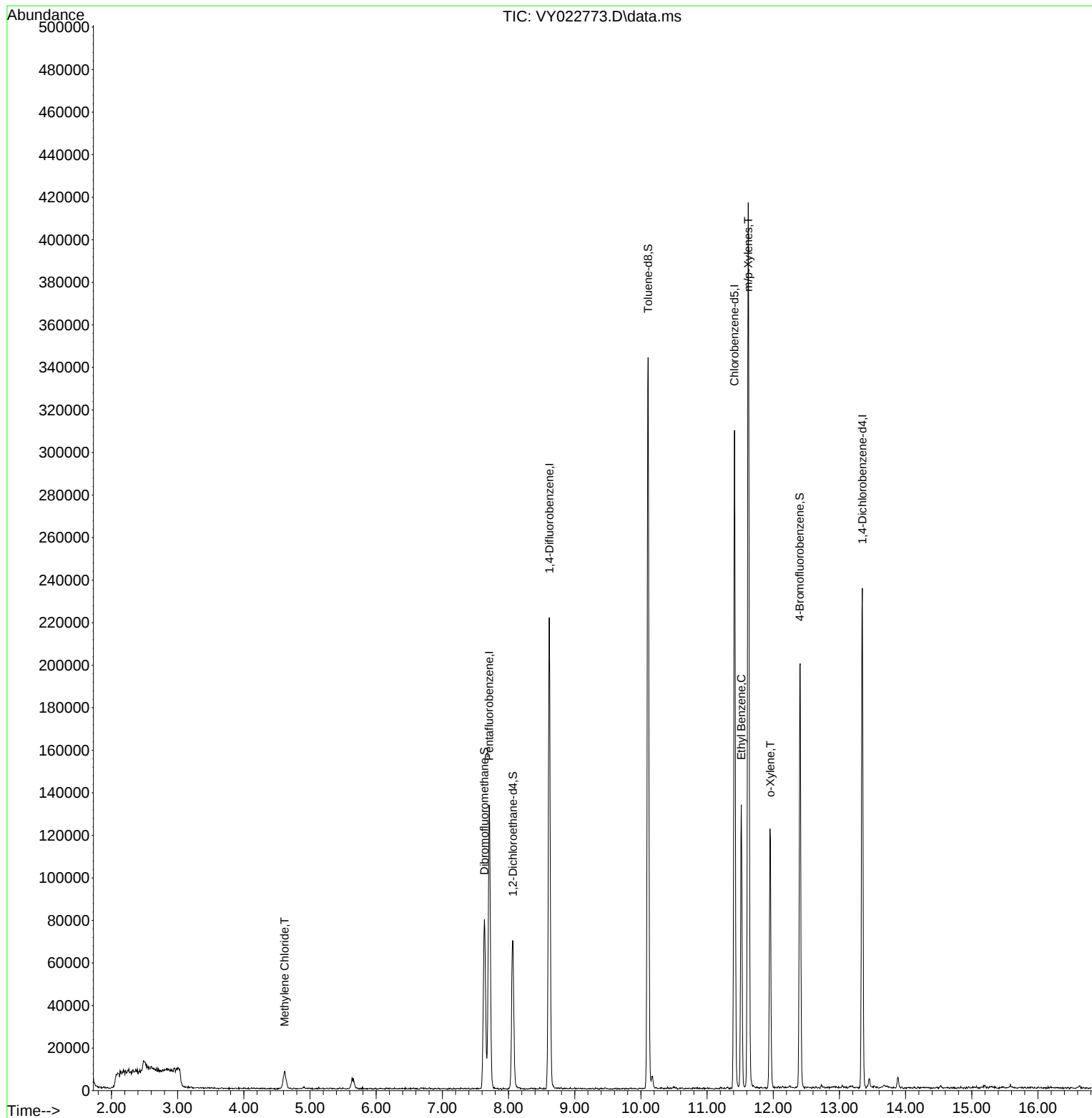
Internal Standards						
1) Pentafluorobenzene	7.707	168	95706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	180954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	147179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	55325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
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

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

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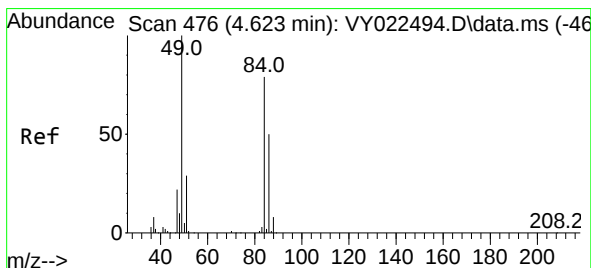
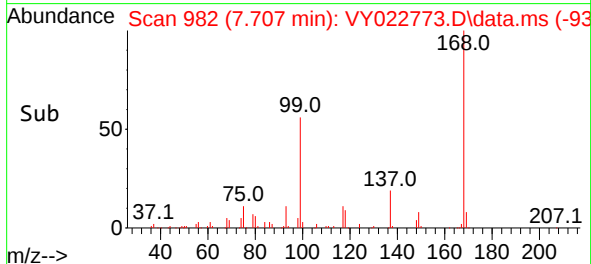
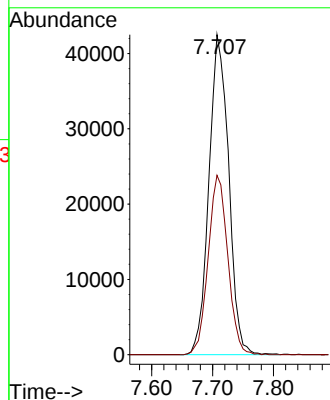
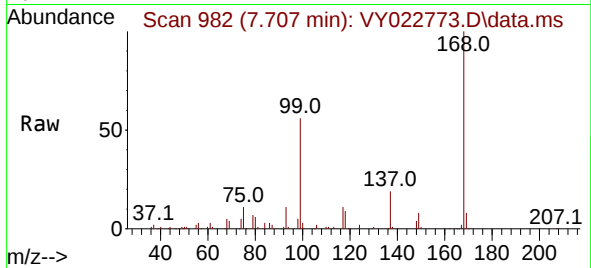




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

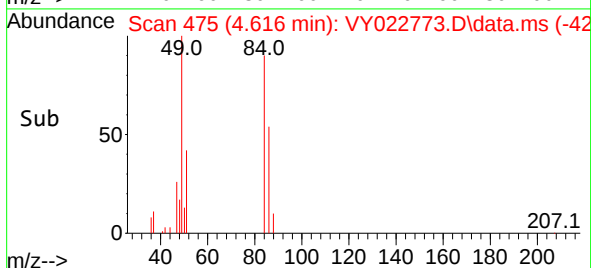
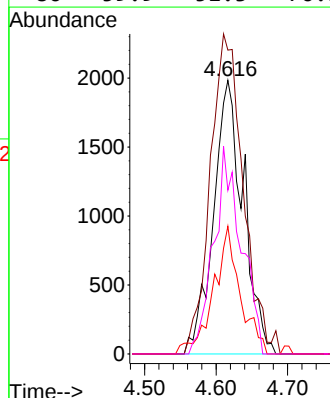
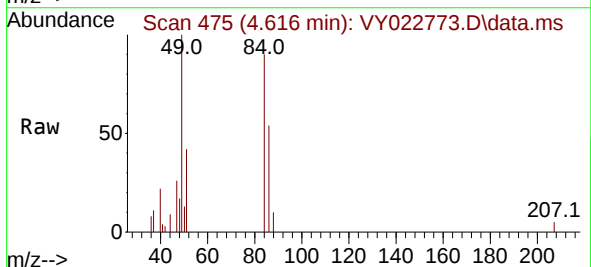
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

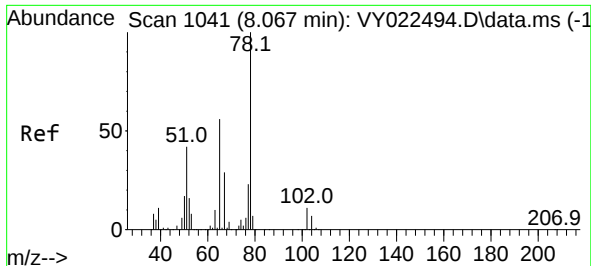
Tgt Ion:168 Resp: 95706
Ion Ratio Lower Upper
168 100
99 56.0 44.3 66.5



#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





#33

1,2-Dichloroethane-d4

Concen: 50.696 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022773.D

Acq: 20 Jun 2025 19:02

Instrument :

MSVOA_Y

ClientSampleId :

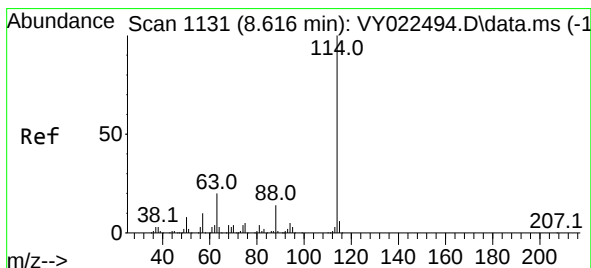
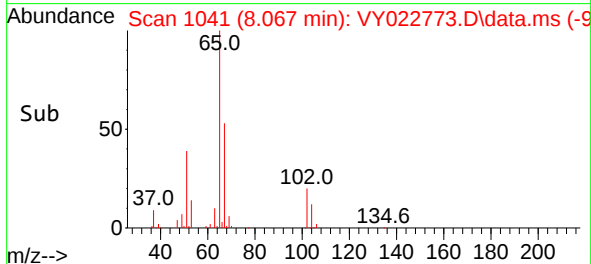
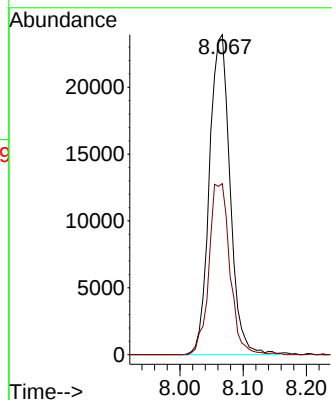
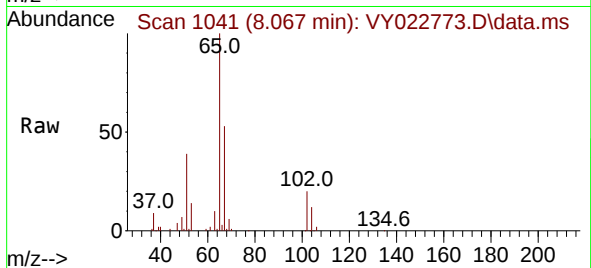
VIBLK

Tgt Ion: 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

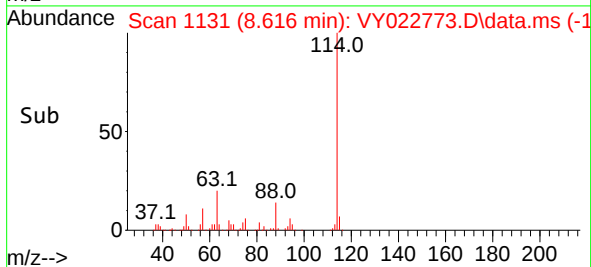
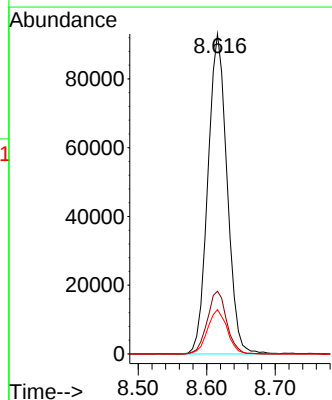
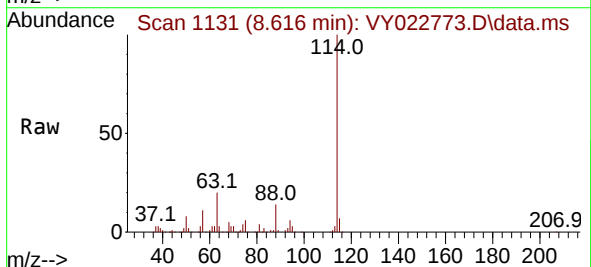
Tgt Ion: 114 Resp: 180954

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 13.9 0.0 27.8

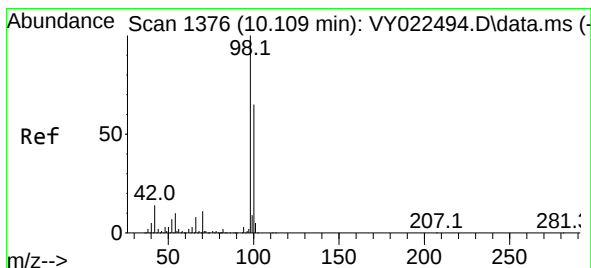
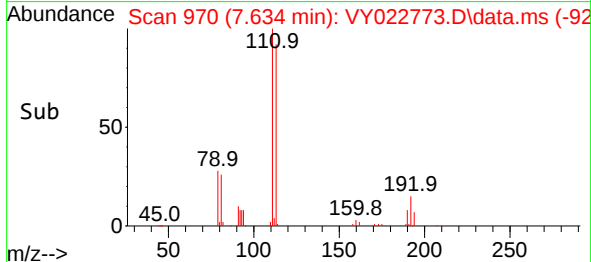
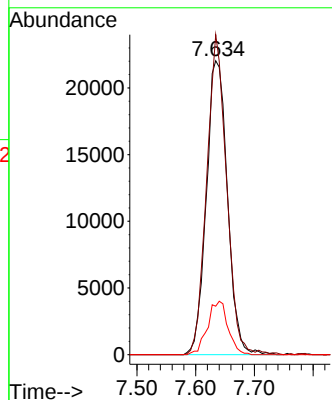
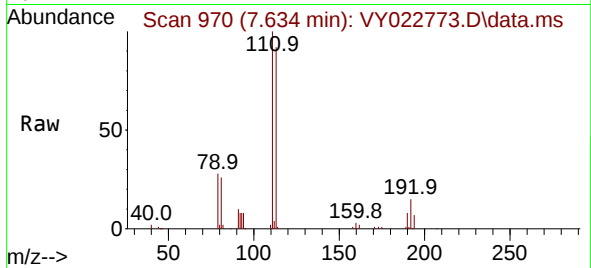




#35
Dibromofluoromethane
Concen: 51.077 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

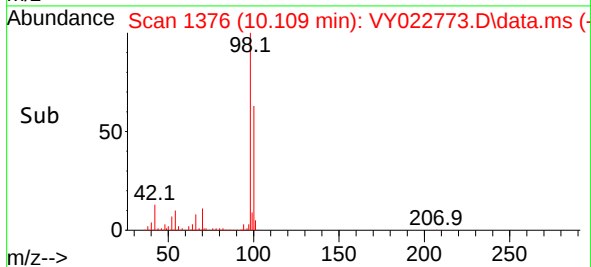
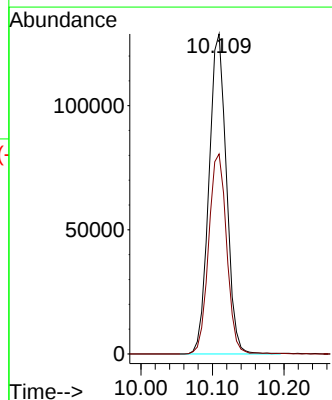
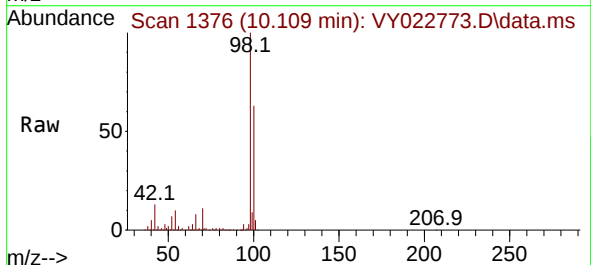
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

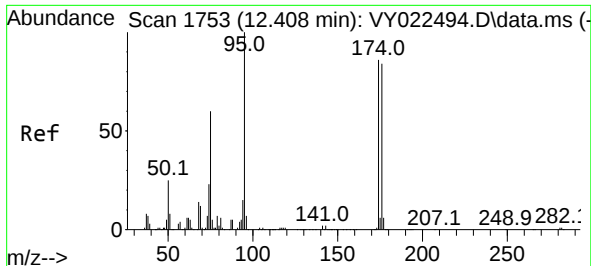
Tgt Ion:113 Resp: 55167
Ion Ratio Lower Upper
113 100
111 101.6 81.1 121.7
192 17.6 14.2 21.2



#50
Toluene-d8
Concen: 50.122 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

Tgt Ion: 98 Resp: 218742
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

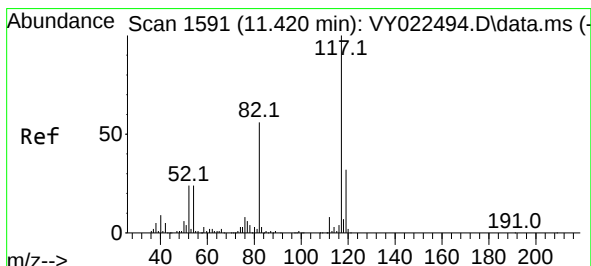
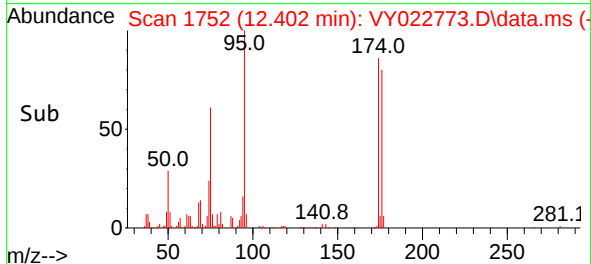
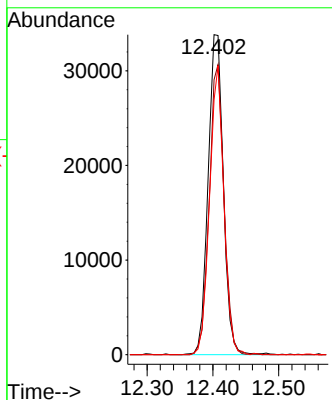
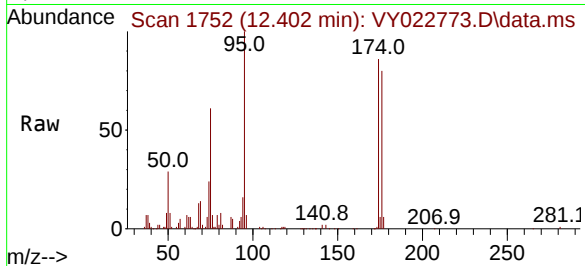




#62
4-Bromofluorobenzene
Concen: 42.007 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

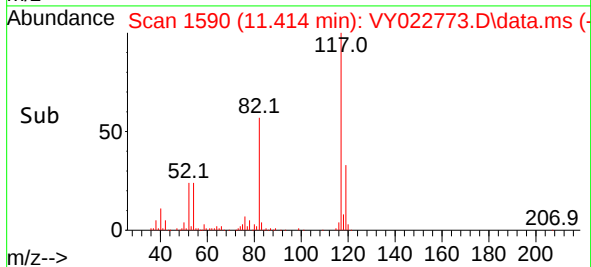
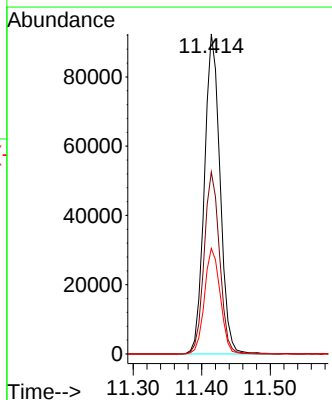
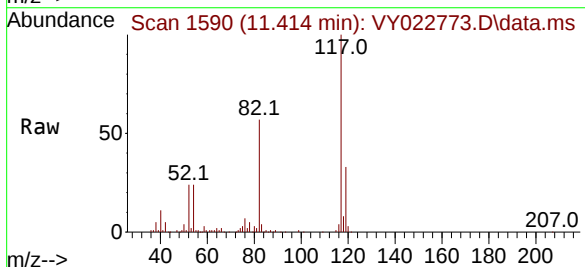
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

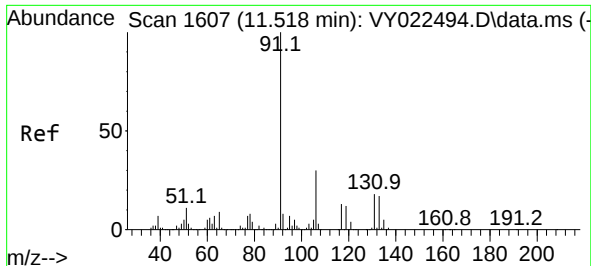
Tgt Ion: 95 Resp: 54622
Ion Ratio Lower Upper
95 100
174 87.8 0.0 170.0
176 84.4 0.0 166.2



#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

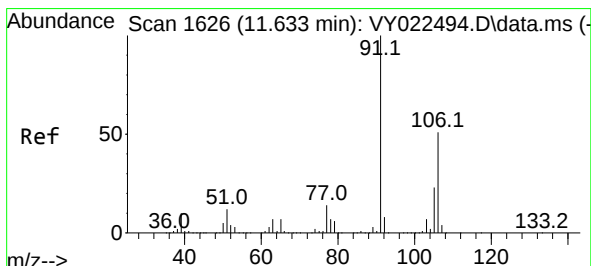
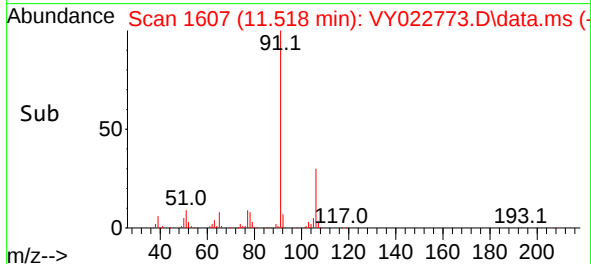
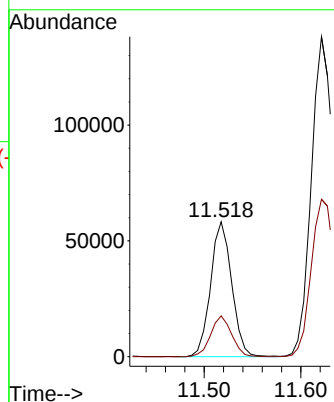
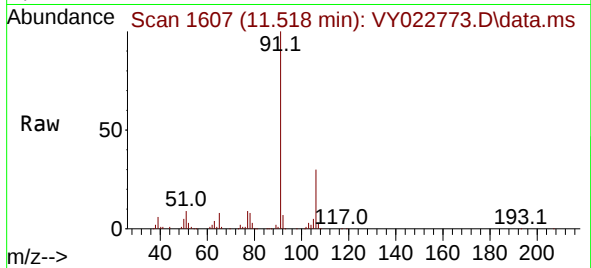




#67
Ethyl Benzene
Concen: 14.638 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022773.D
Acq: 20 Jun 2025 19:02

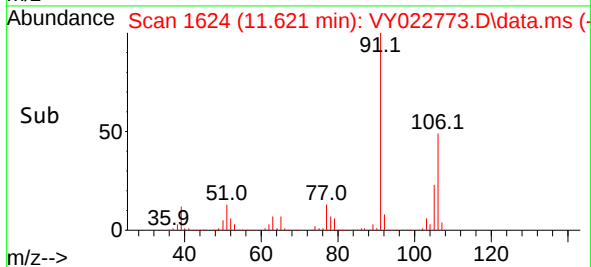
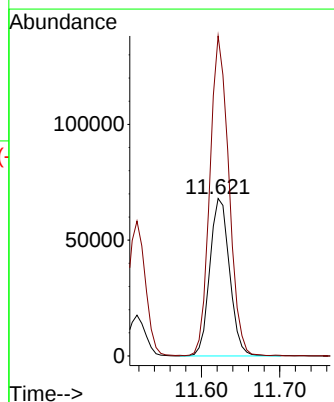
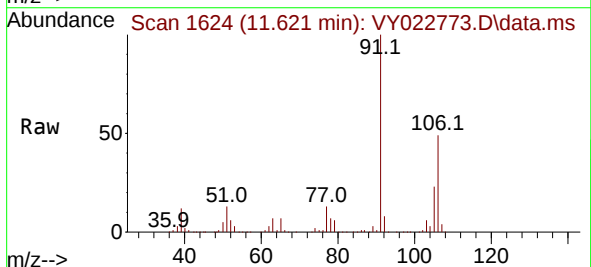
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

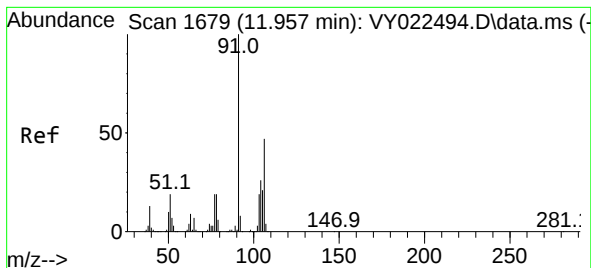
Tgt Ion: 91 Resp: 88428
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.4



#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 :

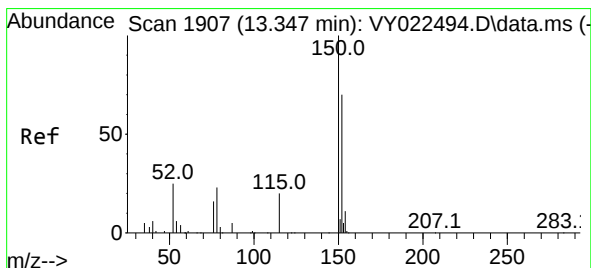
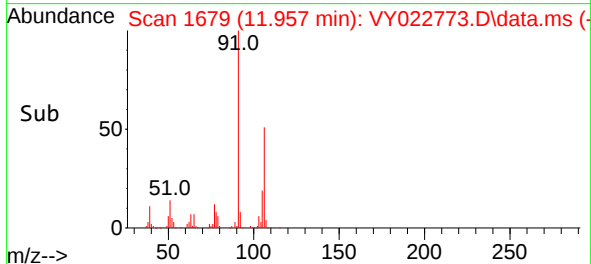
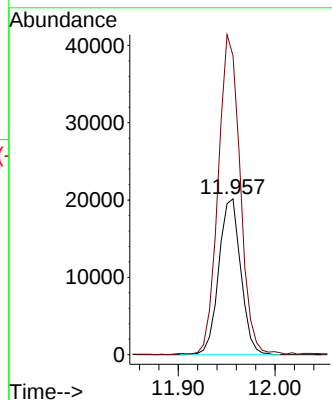
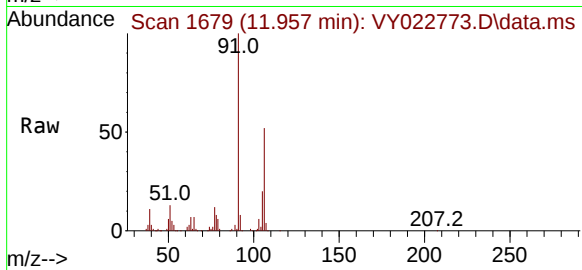
VIBLK

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

