

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022845.D
 Acq On : 26 Jun 2025 13:20
 Operator : SY/MD
 Sample : Q2413-06
 Misc : 6.53g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-72

Quant Time: Jun 27 01:27:35 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)

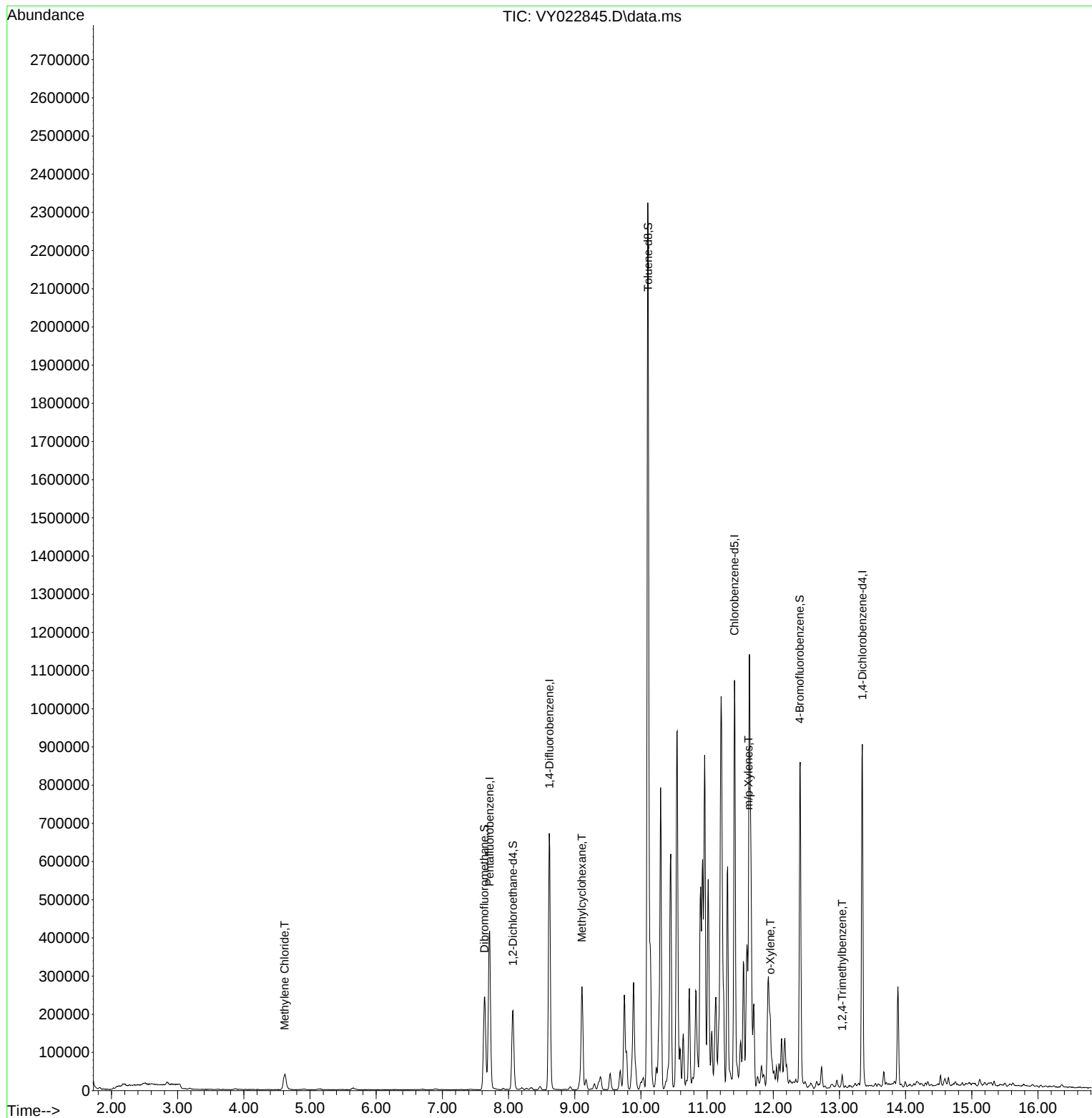
Internal Standards						
1) Pentafluorobenzene	7.713	168	313811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	566645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	546225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	218308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	167448	47.809	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.620%
35) Dibromofluoromethane	7.634	113	173987	50.489	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.980%
50) Toluene-d8	10.109	98	778733	56.948	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	113.900%
62) 4-Bromofluorobenzene	12.401	95	236495	53.799	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.600%
Target Compounds						
20) Methylene Chloride	4.616	84	29475	7.050	ug/l	89
39) Methylcyclohexane	9.109	83	106071	15.692	ug/l	96
68) m/p-Xylenes	11.627	106	31440	3.857	ug/l	90
69) o-Xylene	11.956	106	17793	2.316	ug/l	90
84) 1,2,4-Trimethylbenzene	13.041	105	15894	1.218	ug/l	97

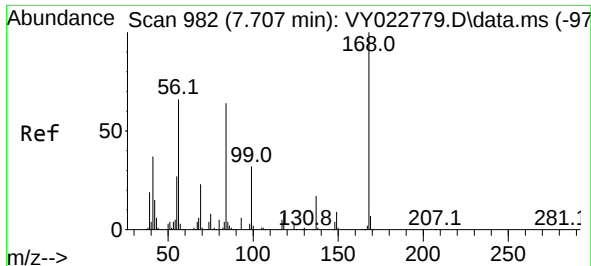
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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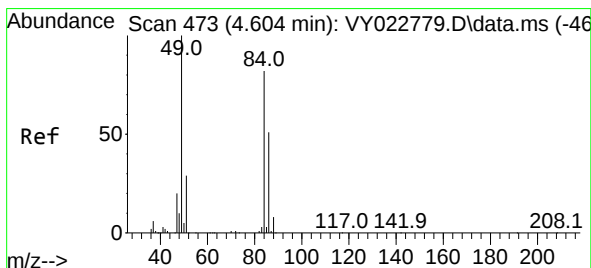
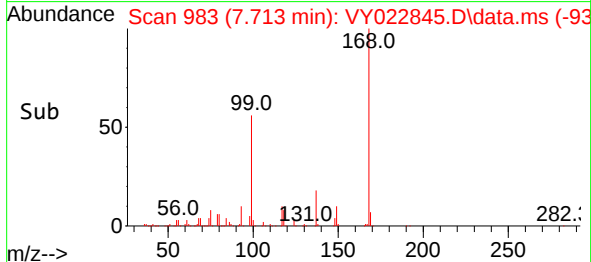
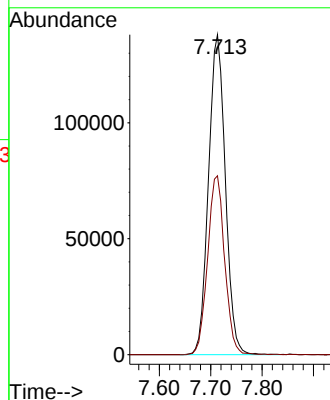
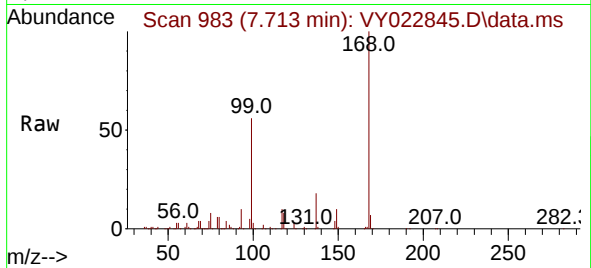




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022845.D
Acq: 26 Jun 2025 13:20

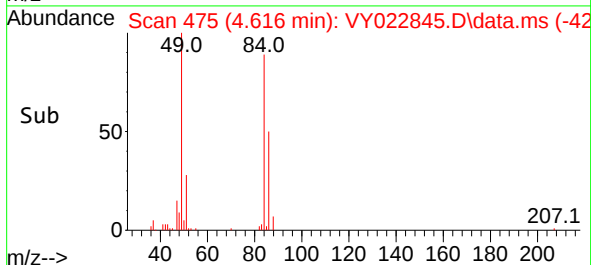
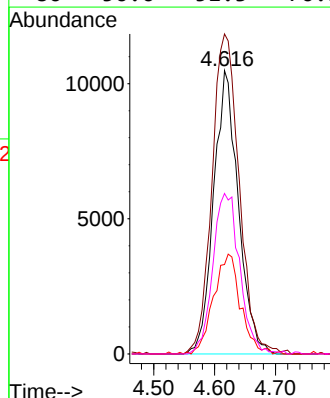
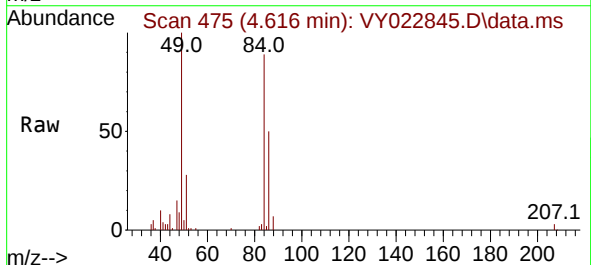
Instrument :
MSVOA_Y
ClientSampleId :
TP-72

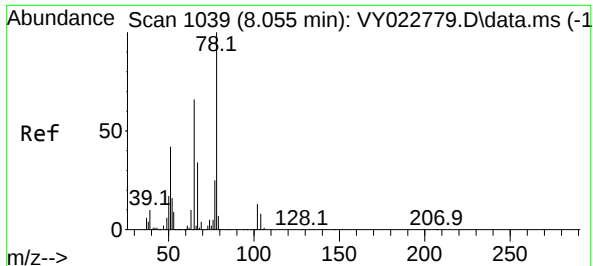
Tgt Ion:168 Resp: 313811
Ion Ratio Lower Upper
168 100
99 55.9 44.3 66.5



#20
Methylene Chloride
Concen: 7.050 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022845.D
Acq: 26 Jun 2025 13:20

Tgt Ion: 84 Resp: 29475
Ion Ratio Lower Upper
84 100
49 112.9 101.9 152.9
51 31.0 29.8 44.8
86 56.6 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 47.809 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022845.D

Acq: 26 Jun 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

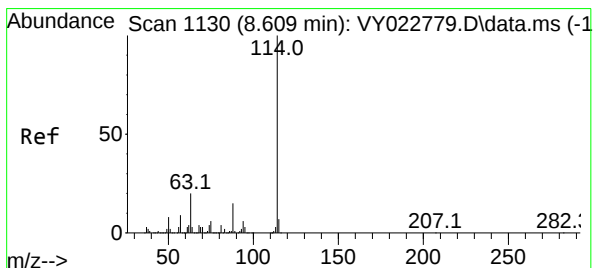
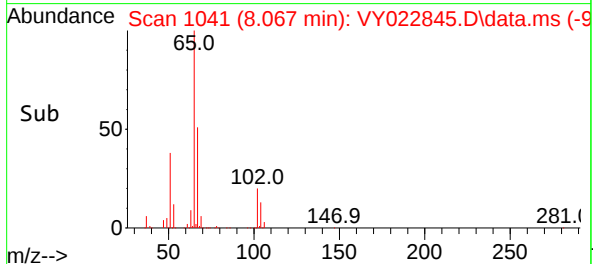
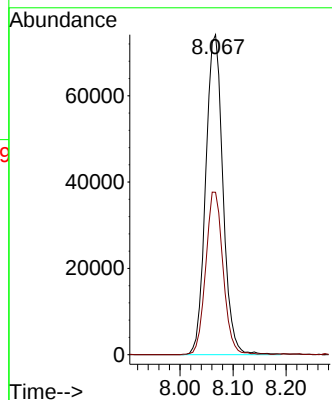
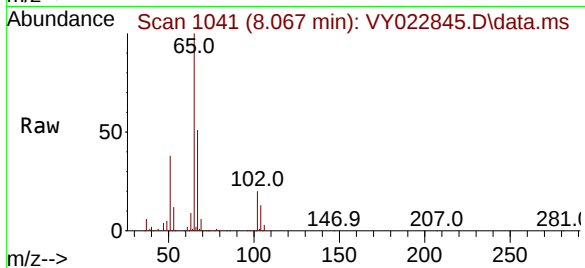
TP-72

Tgt Ion: 65 Resp: 167448

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022845.D

Acq: 26 Jun 2025 13:20

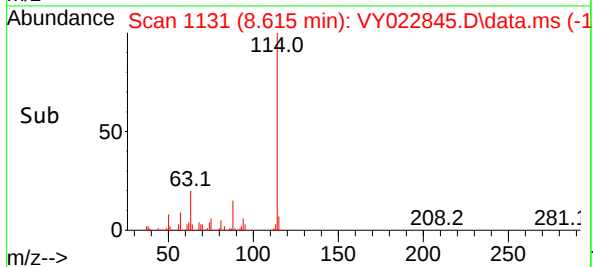
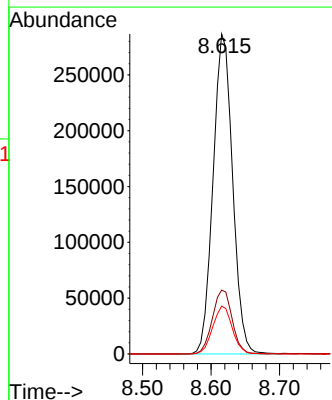
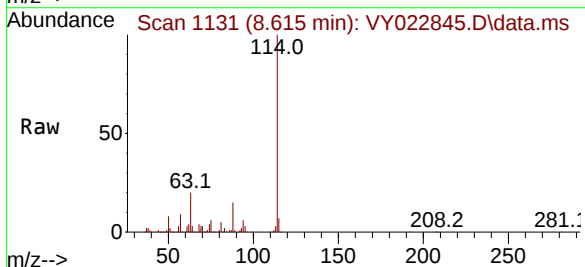
Tgt Ion:114 Resp: 566645

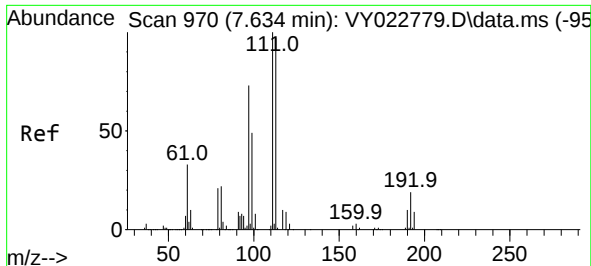
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 14.9 0.0 27.8

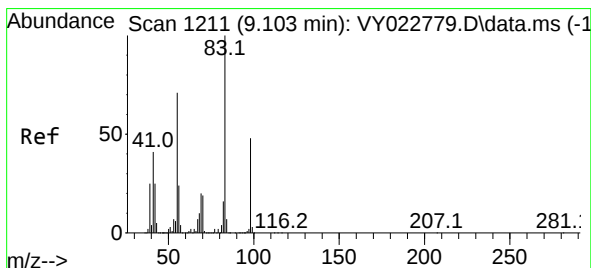
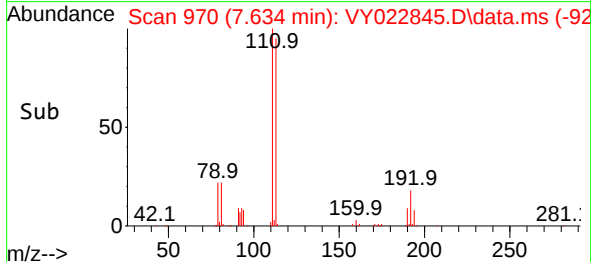
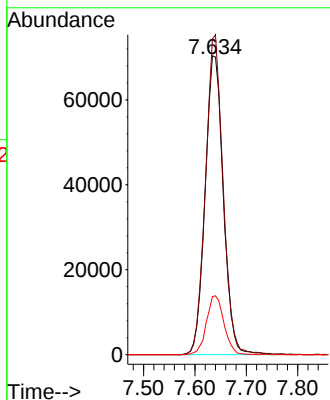
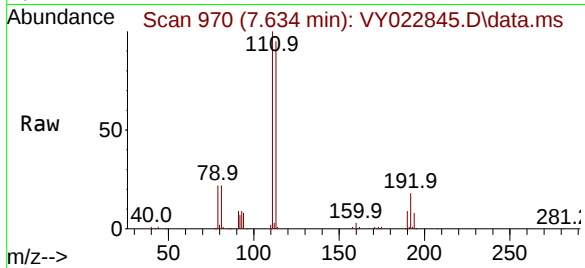




#35
Dibromofluoromethane
Concen: 50.489 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022845.D
Acq: 26 Jun 2025 13:20

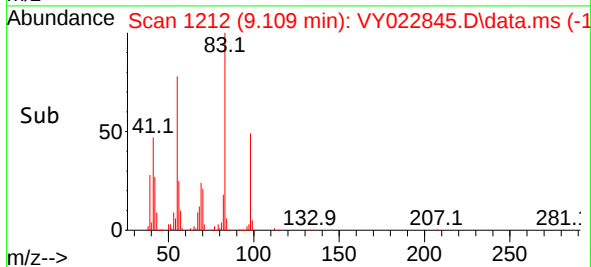
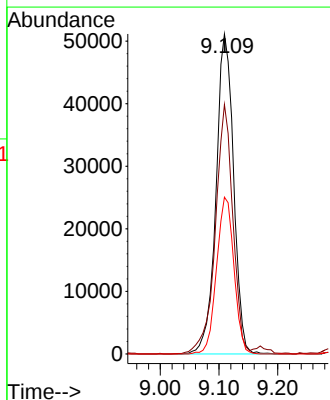
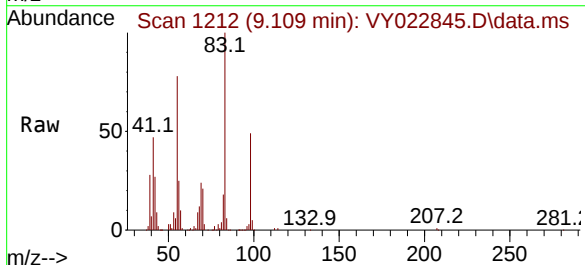
Instrument :
MSVOA_Y
ClientSampleId :
TP-72

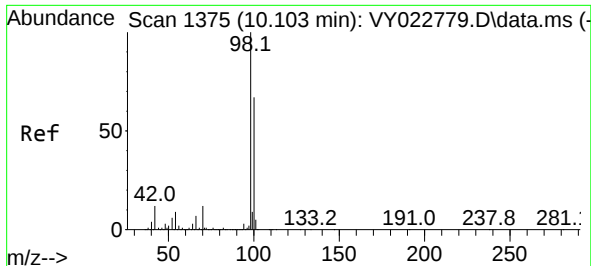
Tgt Ion:113 Resp: 173987
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 18.9 14.2 21.2



#39
Methylcyclohexane
Concen: 15.692 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.006 min
Lab File: VY022845.D
Acq: 26 Jun 2025 13:20

Tgt Ion: 83 Resp: 106071
Ion Ratio Lower Upper
83 100
55 77.8 58.1 87.1
98 49.0 39.0 58.6

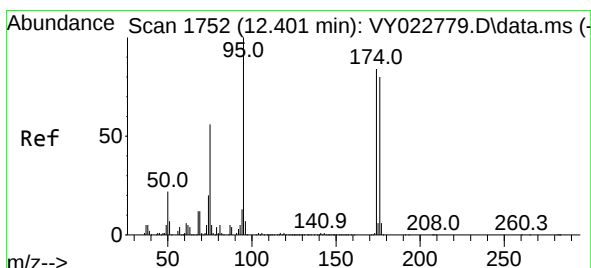
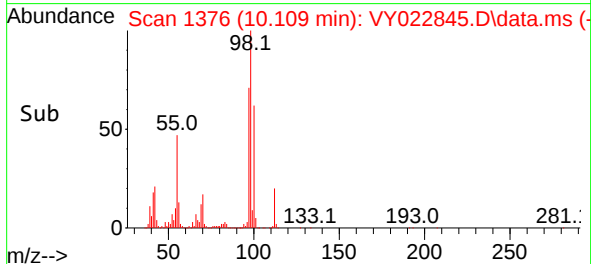
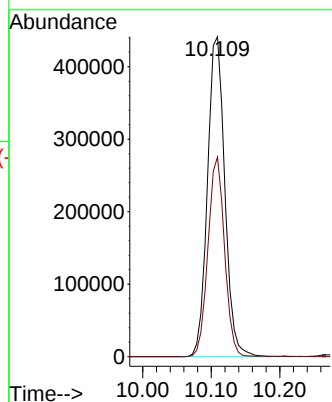
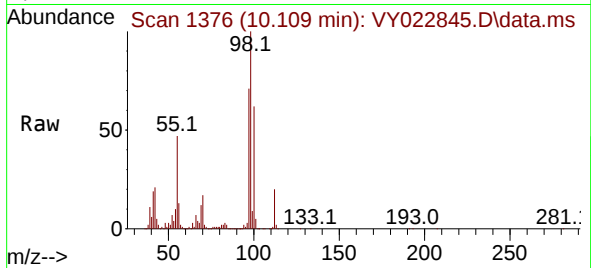




#50
Toluene-d8
Concen: 56.948 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022845.D
Acq: 26 Jun 2025 13:20

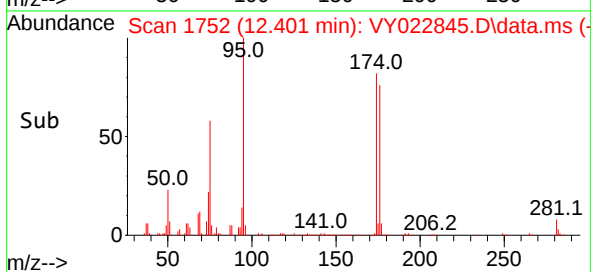
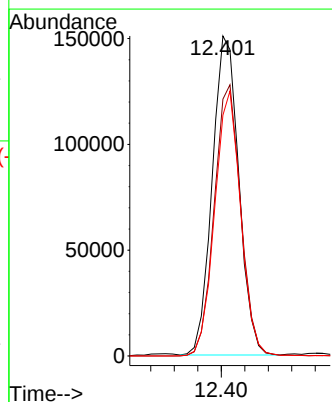
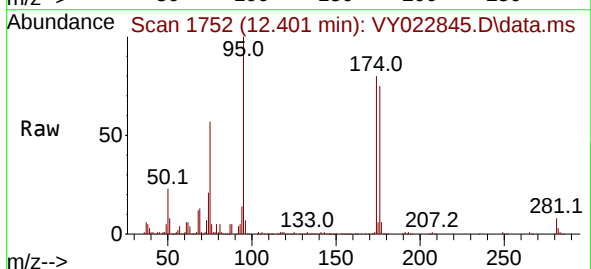
Instrument :
MSVOA_Y
ClientSampleId :
TP-72

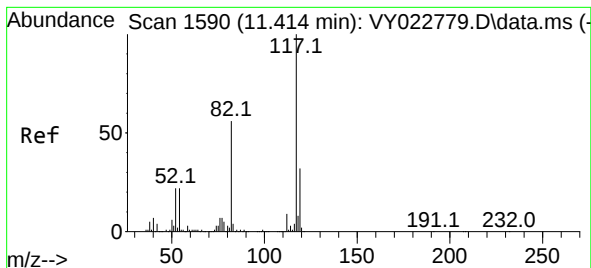
Tgt Ion: 98 Resp: 778733
Ion Ratio Lower Upper
98 100
100 59.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 53.799 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022845.D
Acq: 26 Jun 2025 13:20

Tgt Ion: 95 Resp: 236495
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.0
176 81.5 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: VY022845.D

Acq: 26 Jun 2025 13:20

Instrument :

MSVOA_Y

ClientSampleId :

TP-72

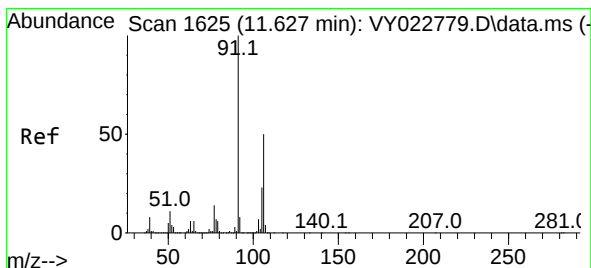
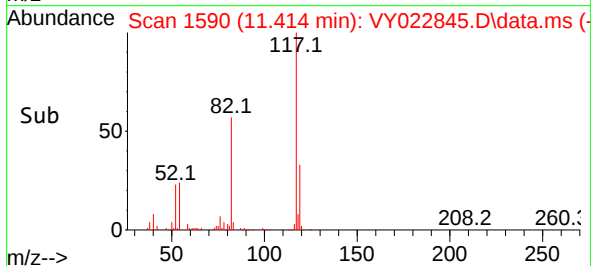
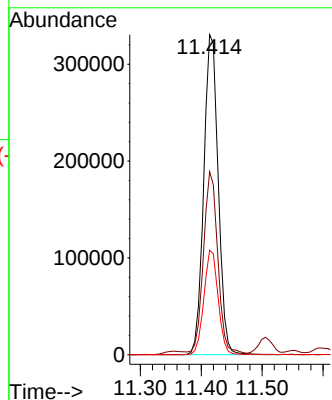
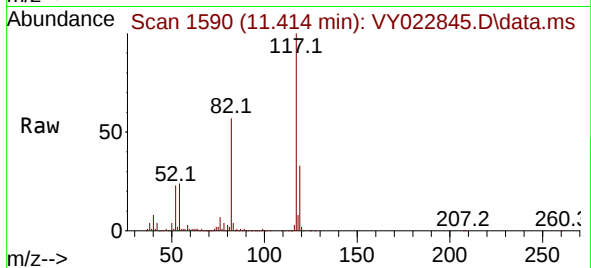
Tgt Ion:117 Resp: 546225

Ion Ratio Lower Upper

117 100

82 56.5 44.6 66.8

119 32.7 25.4 38.0



#68

m/p-Xylenes

Concen: 3.857 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY022845.D

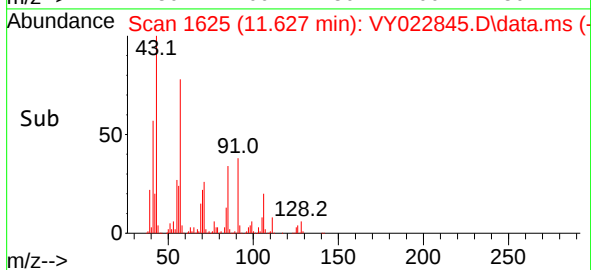
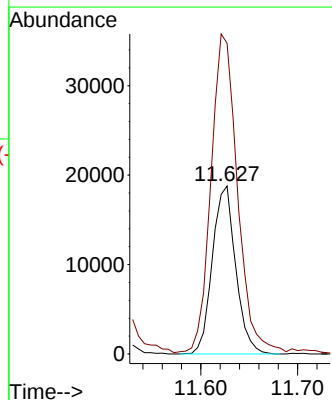
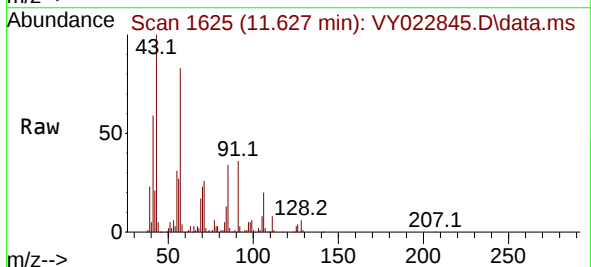
Acq: 26 Jun 2025 13:20

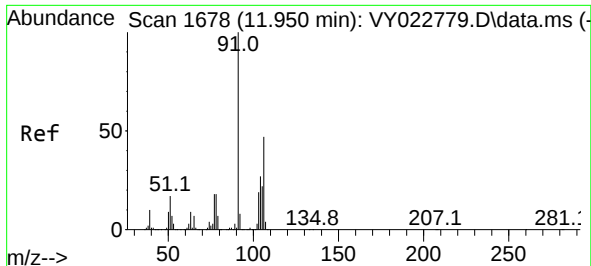
Tgt Ion:106 Resp: 31440

Ion Ratio Lower Upper

106 100

91 214.8 159.4 239.0

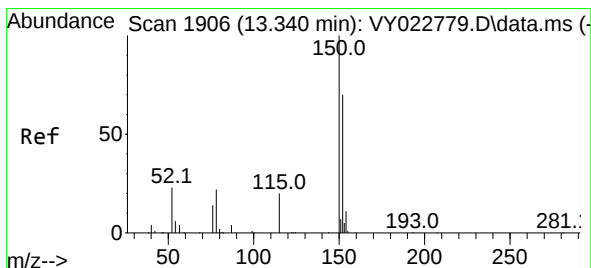
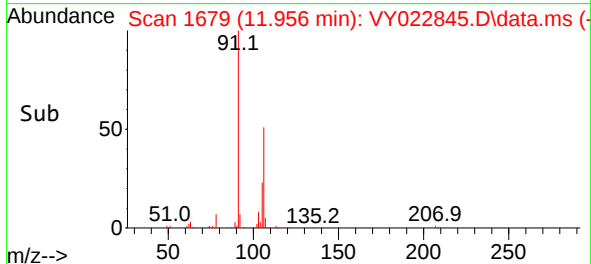
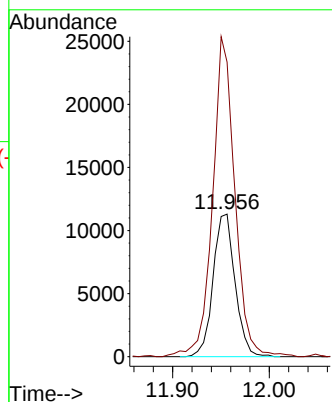
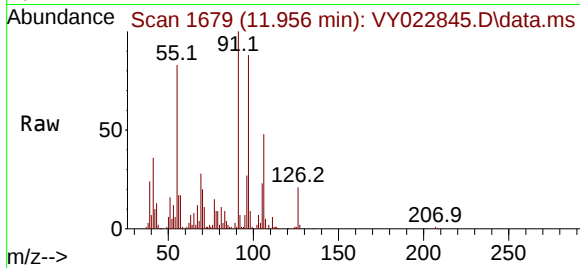




#69
o-Xylene
Concen: 2.316 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022845.D
Acq: 26 Jun 2025 13:20

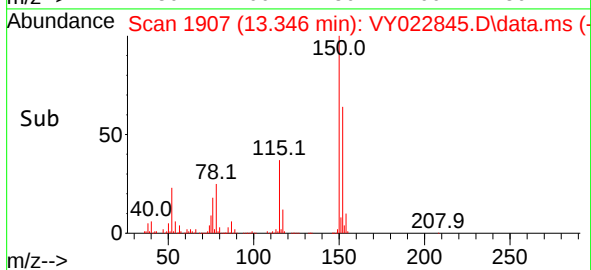
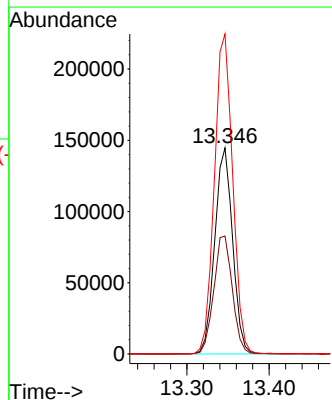
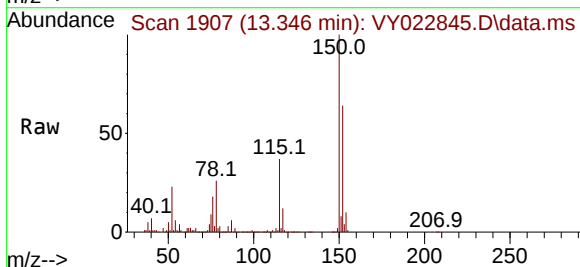
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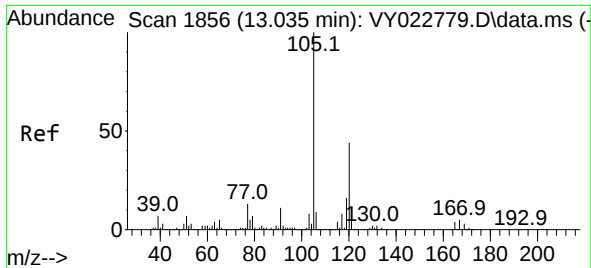
Tgt Ion:106 Resp: 17793
Ion Ratio Lower Upper
106 100
91 227.7 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022845.D
Acq: 26 Jun 2025 13:20

Tgt Ion:152 Resp: 218308
Ion Ratio Lower Upper
152 100
115 59.3 28.9 86.7
150 159.2 0.0 349.6





#84
 1,2,4-Trimethylbenzene
 Concen: 1.218 ug/l
 RT: 13.041 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY022845.D
 Acq: 26 Jun 2025 13:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-72

Tgt Ion:105 Resp: 15894
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.7 68.1

