

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070125\
 Data File : VY022895.D
 Acq On : 01 Jul 2025 12:34
 Operator : SY/MD
 Sample : Q2457-01RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-2-062725RE

Quant Time: Jul 02 04:29:25 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)

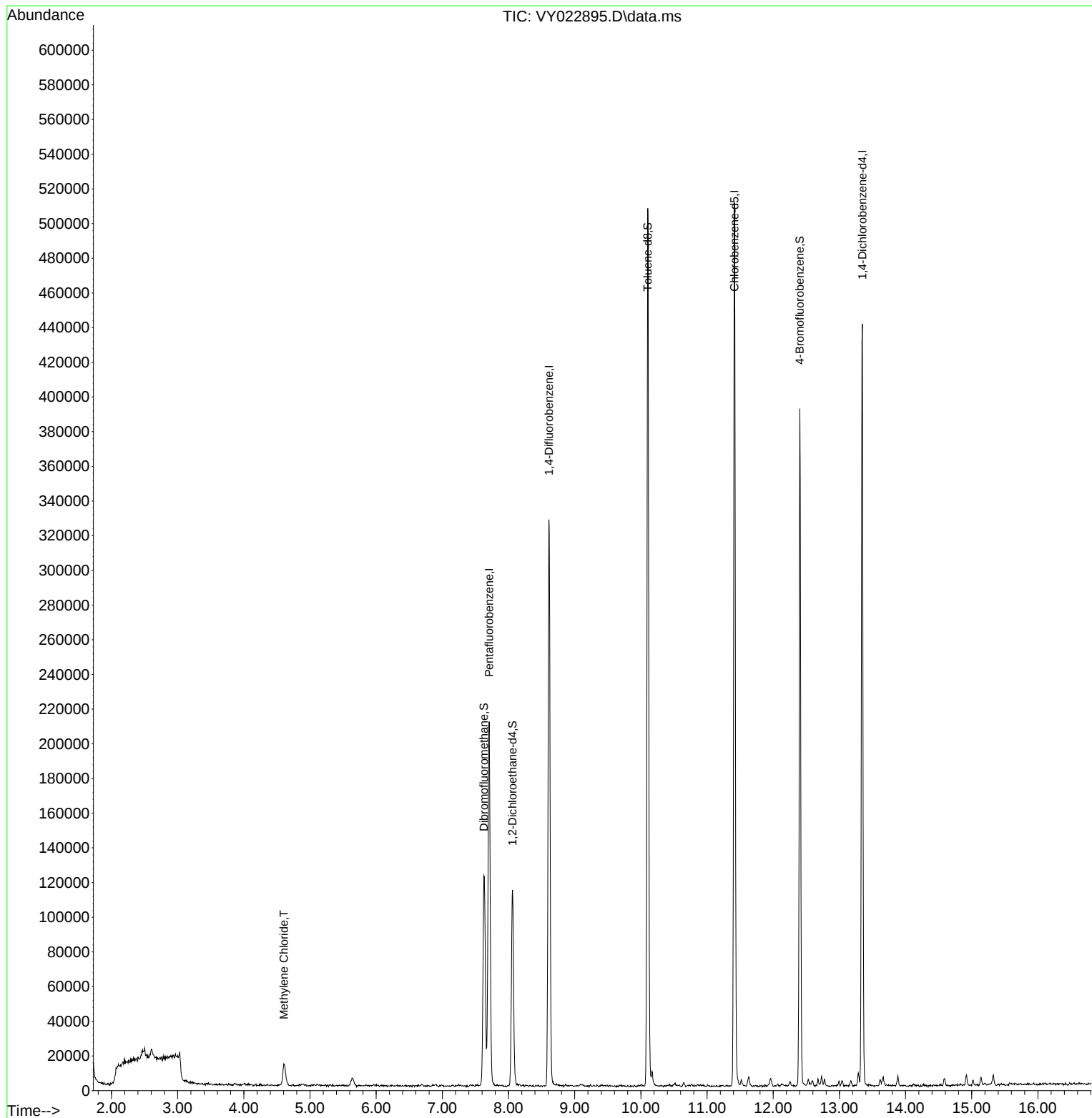
Internal Standards						
1) Pentafluorobenzene	7.707	168	159831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	281268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	263568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	109145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	90148	50.535	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.060%
35) Dibromofluoromethane	7.628	113	88860	51.949	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.900%
50) Toluene-d8	10.103	98	332025	48.916	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.840%
62) 4-Bromofluorobenzene	12.401	95	110833	50.794	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.580%
Target Compounds						
20) Methylene Chloride	4.604	84	8538	4.010	ug/l	Qvalue # 79

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

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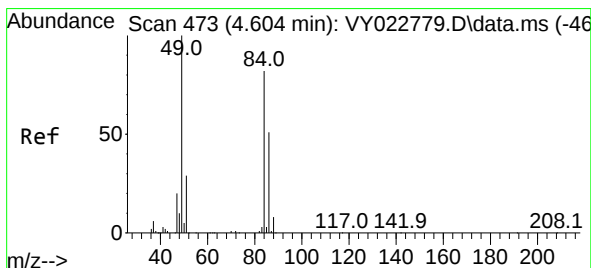
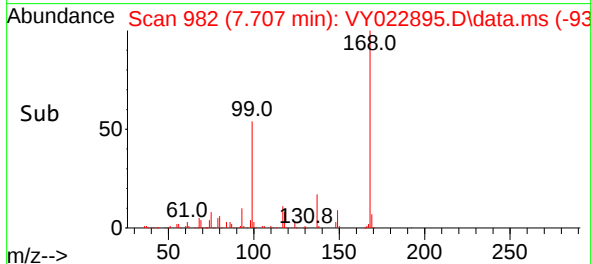
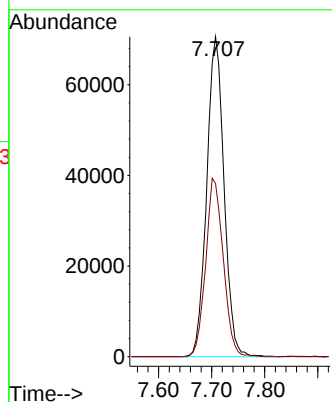
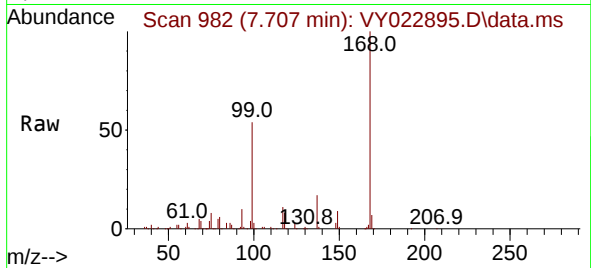




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022895.D
Acq: 01 Jul 2025 12:34

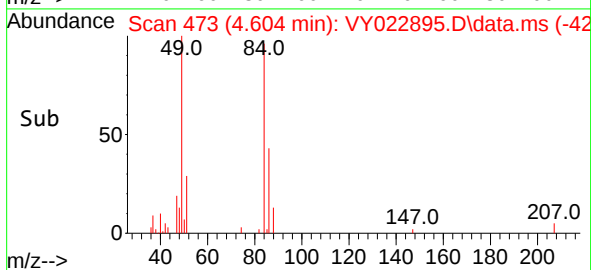
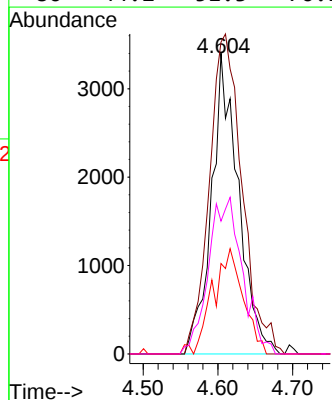
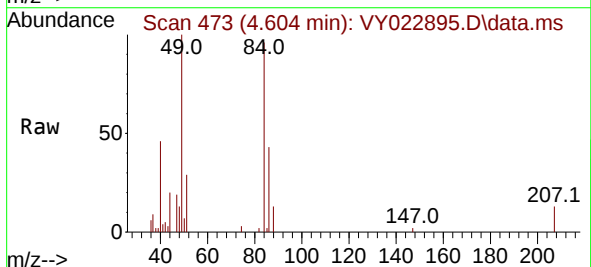
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-062725RE

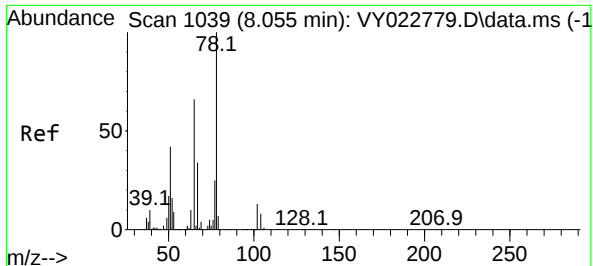
Tgt Ion:168 Resp: 159831
Ion Ratio Lower Upper
168 100
99 54.1 44.3 66.5



#20
Methylene Chloride
Concen: 4.010 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.019 min
Lab File: VY022895.D
Acq: 01 Jul 2025 12:34

Tgt Ion: 84 Resp: 8538
Ion Ratio Lower Upper
84 100
49 103.6 101.9 152.9
51 30.1 29.8 44.8
86 44.2 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 50.535 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022895.D

Acq: 01 Jul 2025 12:34

Instrument :

MSVOA_Y

ClientSampleId :

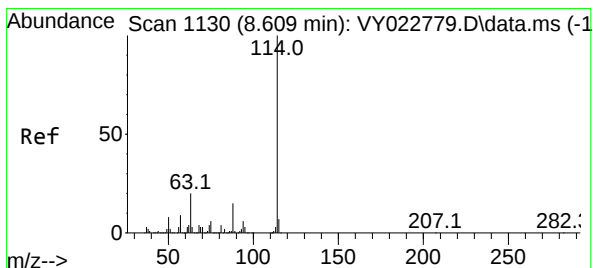
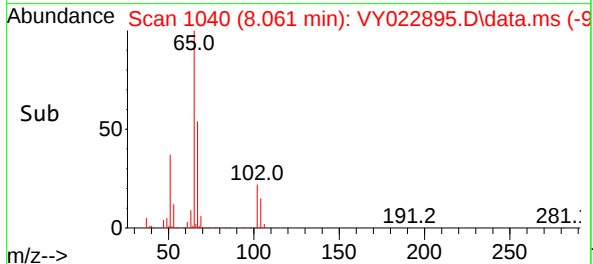
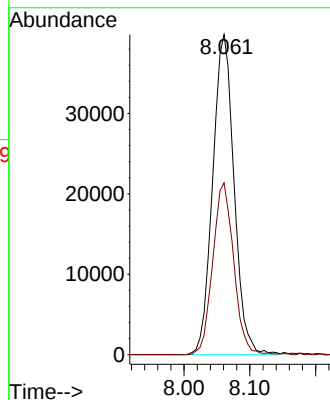
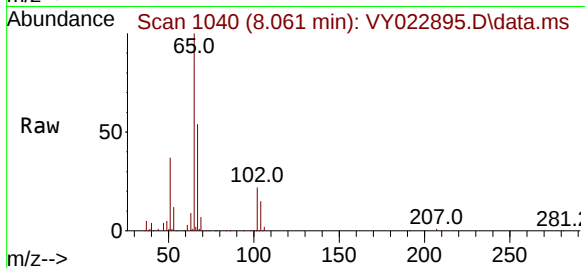
OK-2-062725RE

Tgt Ion: 65 Resp: 90148

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022895.D

Acq: 01 Jul 2025 12:34

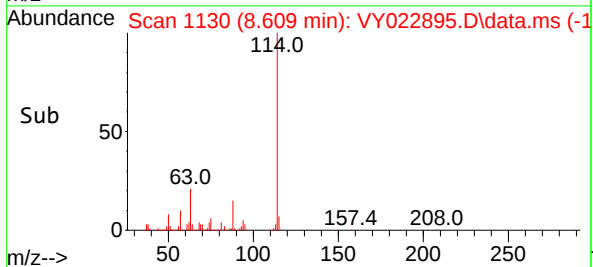
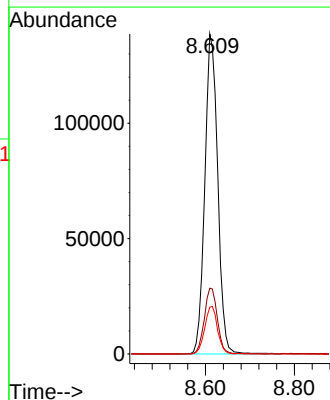
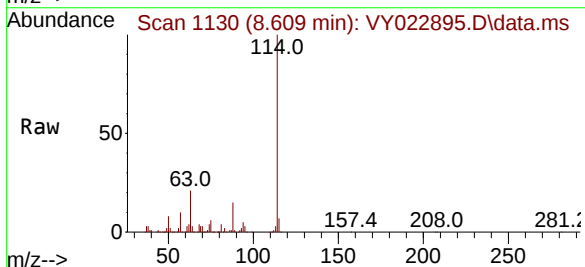
Tgt Ion: 114 Resp: 281268

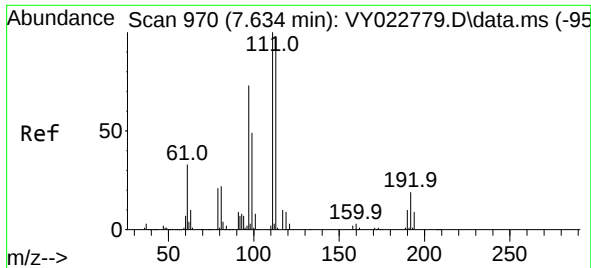
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 14.6 0.0 27.8

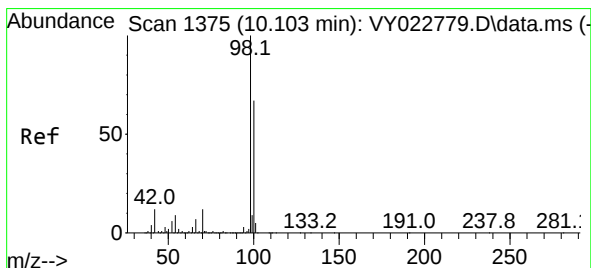
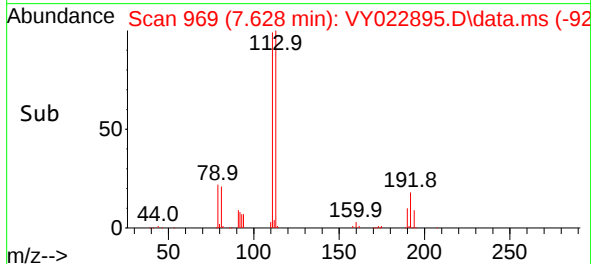
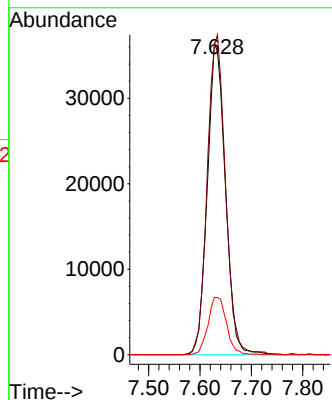
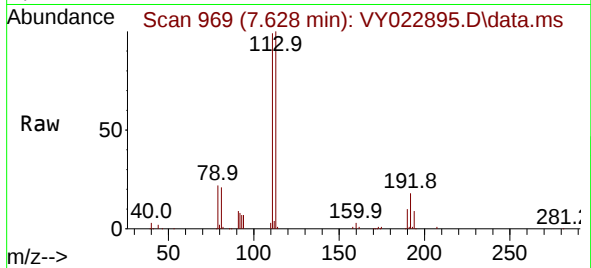




#35
Dibromofluoromethane
Concen: 51.949 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022895.D
Acq: 01 Jul 2025 12:34

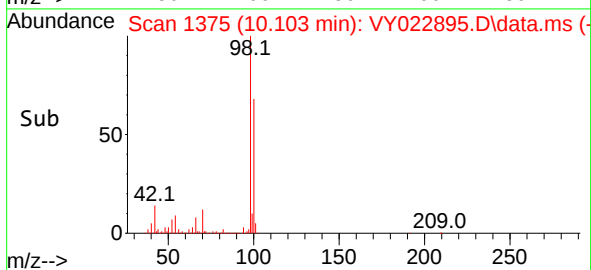
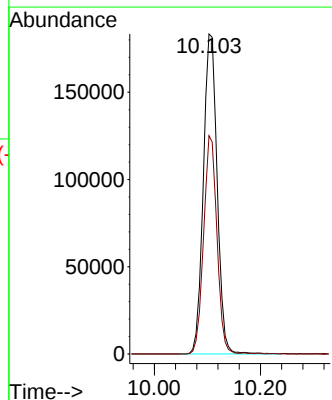
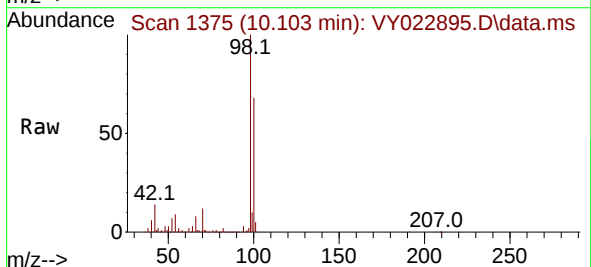
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-062725RE

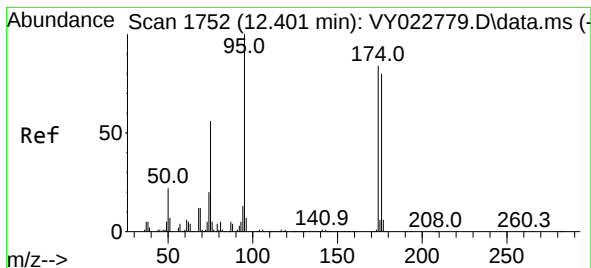
Tgt Ion:113 Resp: 88860
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 18.9 14.2 21.2



#50
Toluene-d8
Concen: 48.916 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022895.D
Acq: 01 Jul 2025 12:34

Tgt Ion: 98 Resp: 332025
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.0

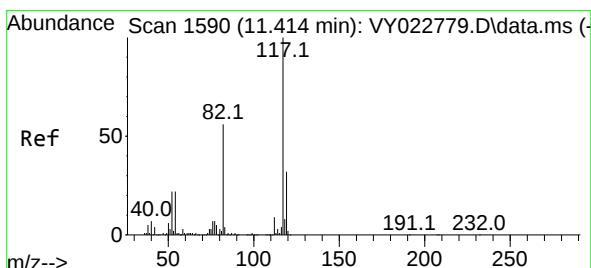
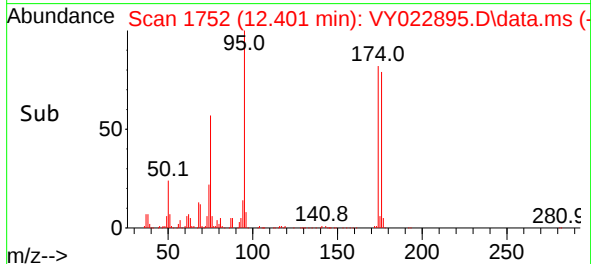
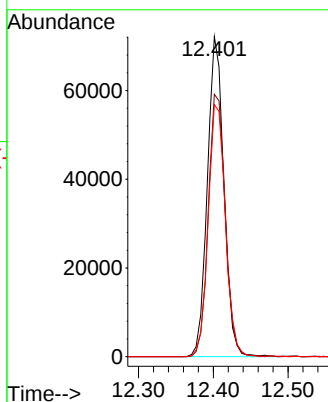
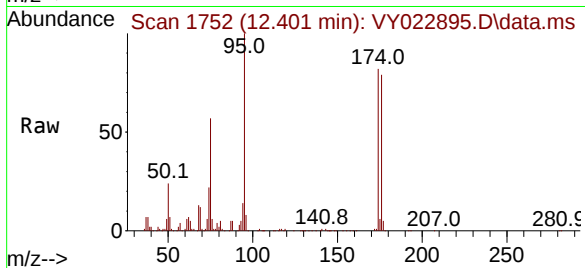




#62
4-Bromofluorobenzene
Concen: 50.794 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022895.D
Acq: 01 Jul 2025 12:34

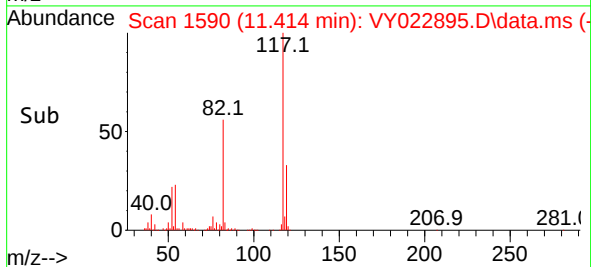
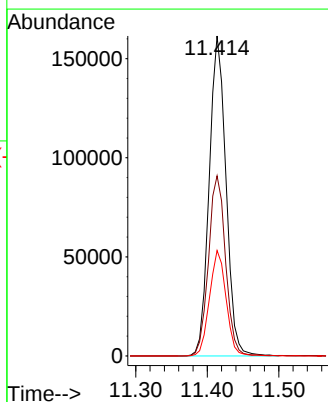
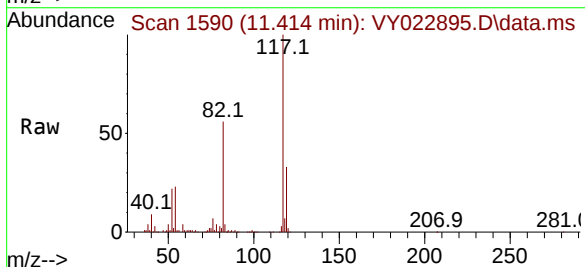
Instrument :
MSVOA_Y
ClientSampleId :
OK-2-062725RE

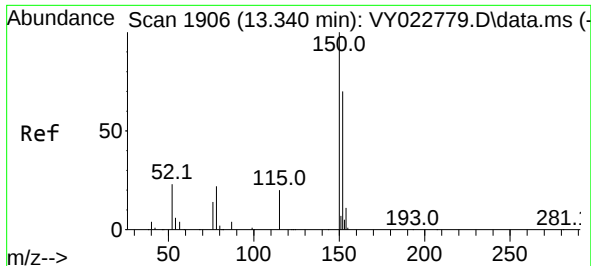
Tgt Ion: 95 Resp: 110833
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.0
176 81.8 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022895.D
Acq: 01 Jul 2025 12:34

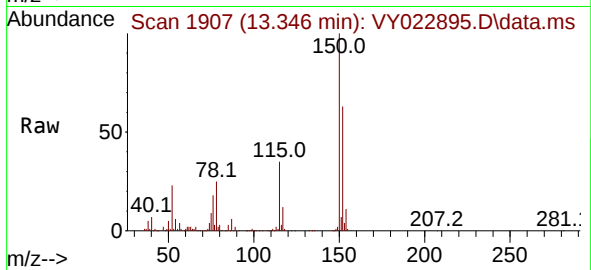
Tgt Ion: 117 Resp: 263568
Ion Ratio Lower Upper
117 100
82 56.3 44.6 66.8
119 32.9 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022895.D
 Acq: 01 Jul 2025 12:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-2-062725RE



Tgt Ion:152 Resp: 109145
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.9 86.7
 150 156.6 0.0 349.6

