

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022571.D
 Acq On : 05 Jun 2025 13:56
 Operator : SY/MD
 Sample : Q2224-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-06042025

Quant Time: Jun 06 01:24:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	37908	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	56851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	36199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	9835	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	15086	35.582	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.160%
35) Dibromofluoromethane	7.634	113	15994	47.134	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.260%
50) Toluene-d8	10.103	98	64069	46.728	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.460%
62) 4-Bromofluorobenzene	12.402	95	11393	27.888	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	55.780%

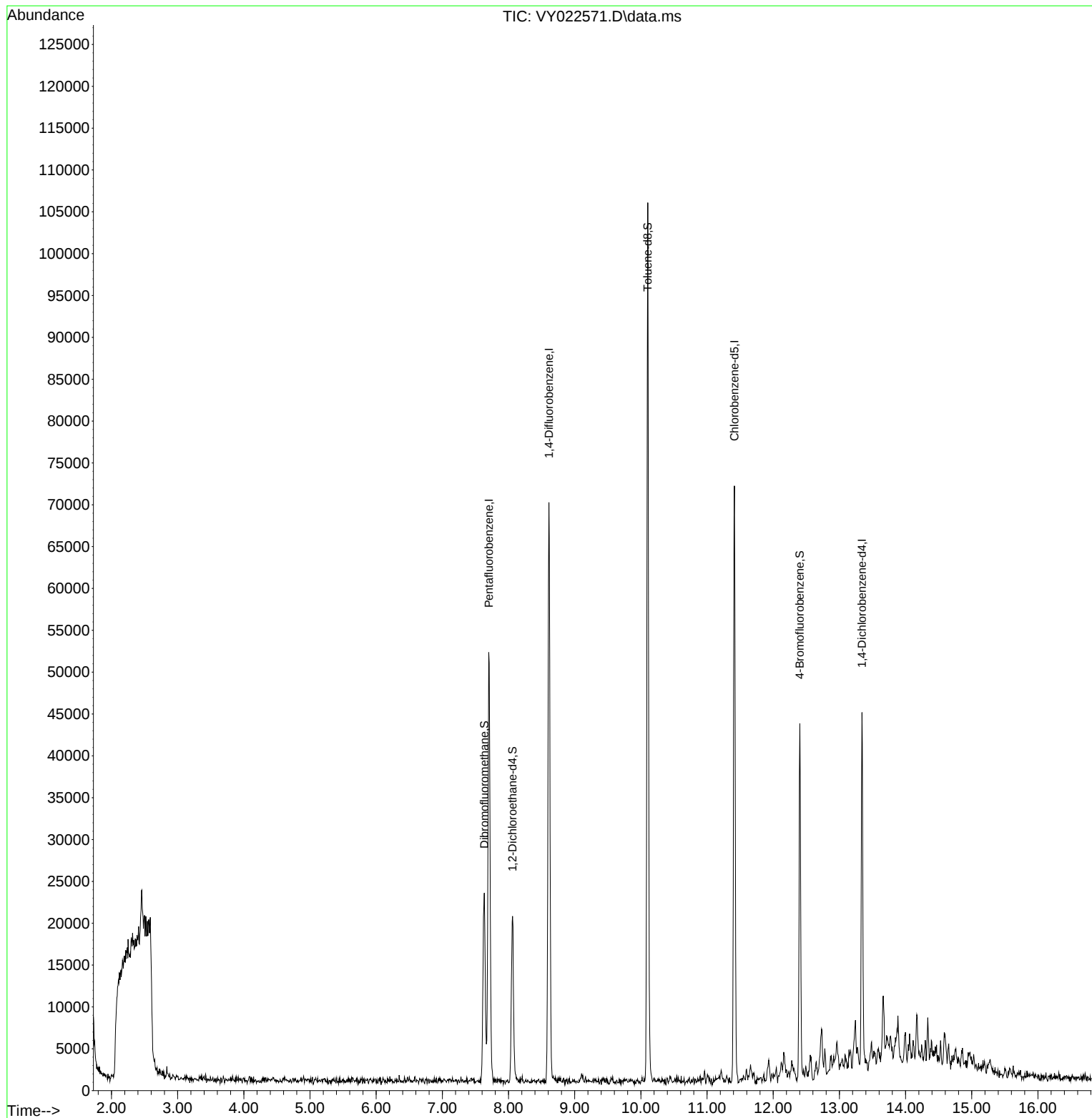
Target Compounds	Qvalue

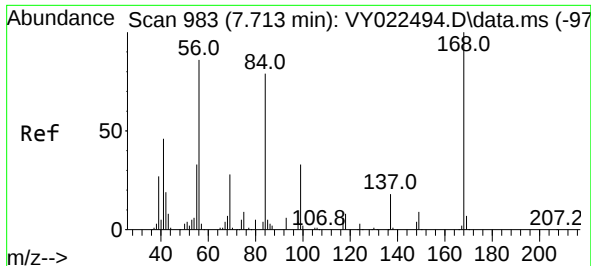
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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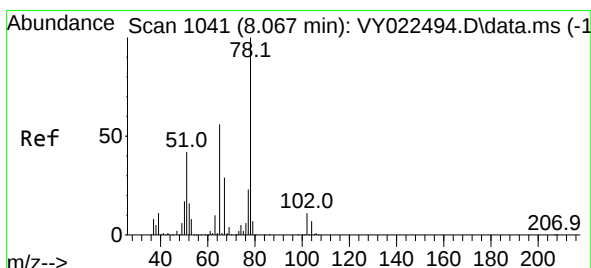
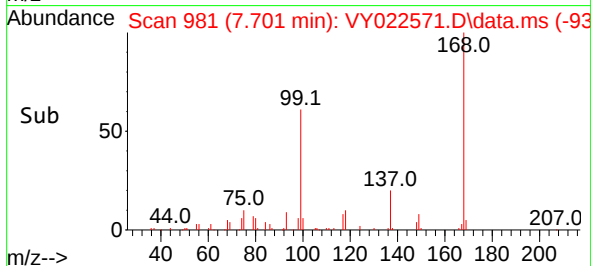
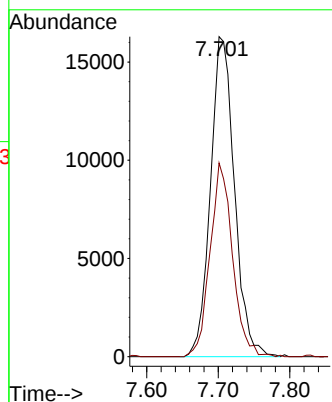
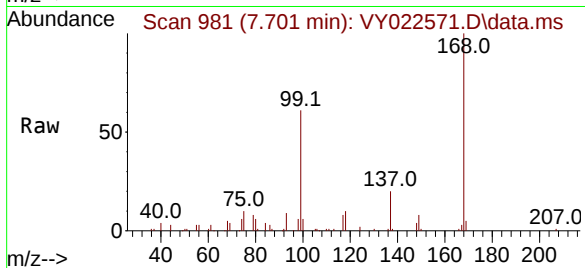




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022571.D
Acq: 05 Jun 2025 13:56

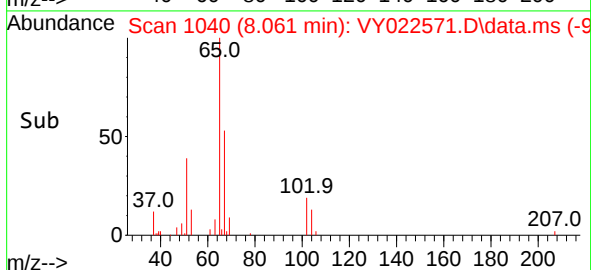
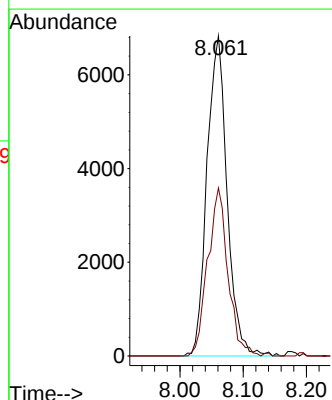
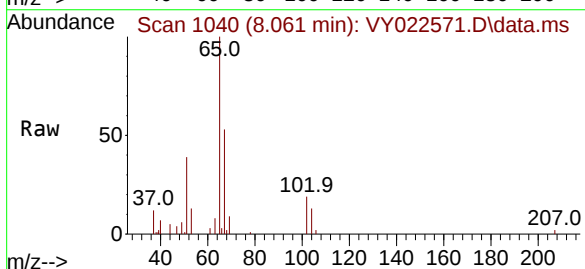
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

Tgt Ion:168 Resp: 37908
Ion Ratio Lower Upper
168 100
99 60.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 35.582 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022571.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 65 Resp: 15086
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.4

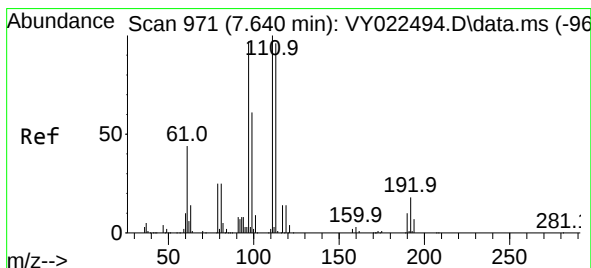
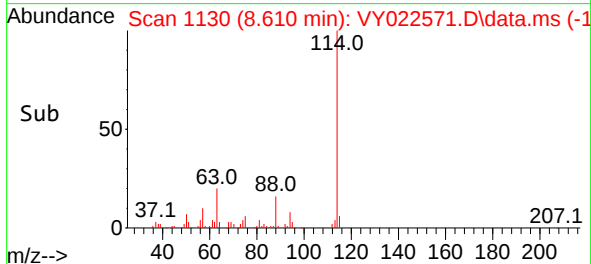
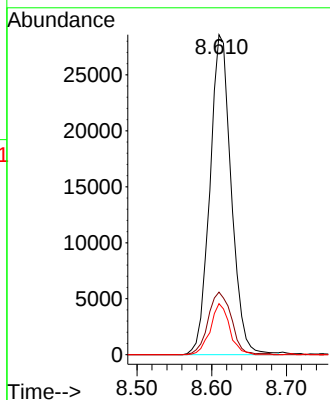
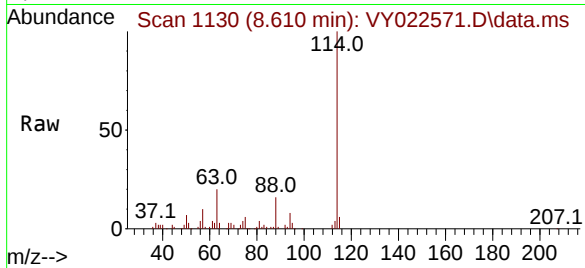




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022571.D
Acq: 05 Jun 2025 13:56

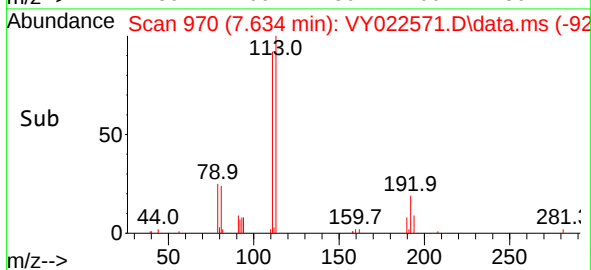
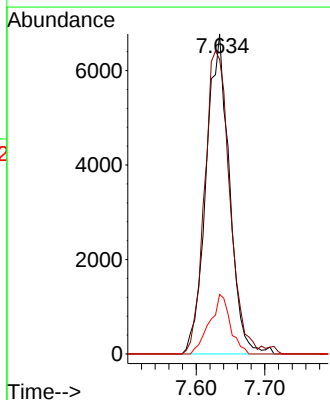
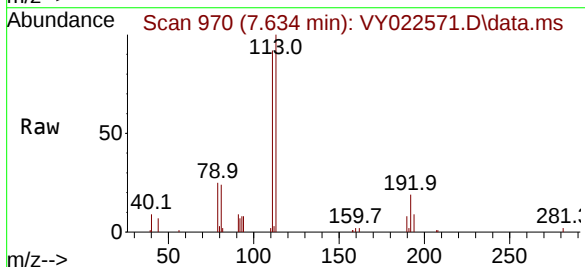
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

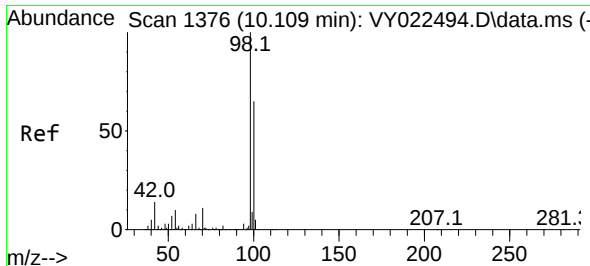
Tgt Ion:	114	Resp:	56851
Ion Ratio	Lower	Upper	
114	100		
63	19.6	0.0	40.8
88	15.9	0.0	27.8



#35
Dibromofluoromethane
Concen: 47.134 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022571.D
Acq: 05 Jun 2025 13:56

Tgt Ion:	113	Resp:	15994
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.1	121.7
192	16.4	14.2	21.2

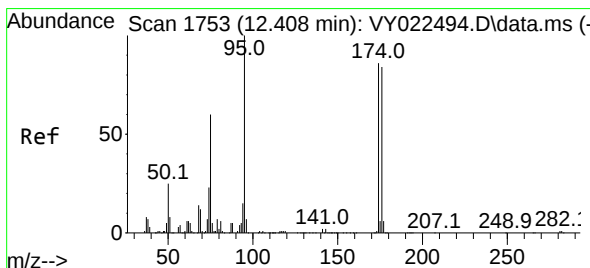
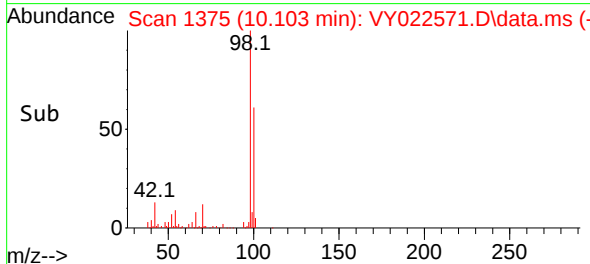
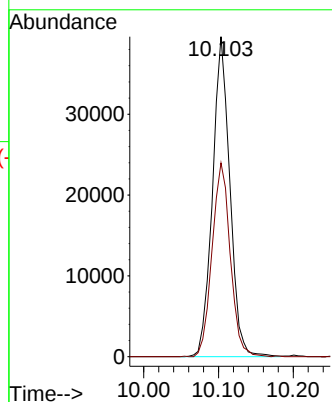
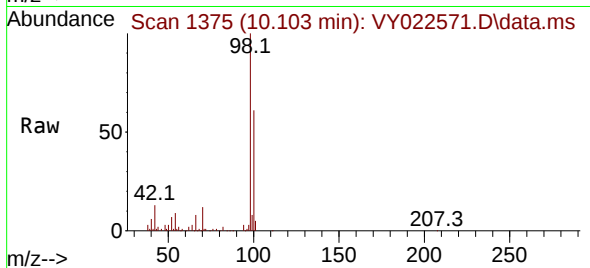




#50
Toluene-d8
Concen: 46.728 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022571.D
Acq: 05 Jun 2025 13:56

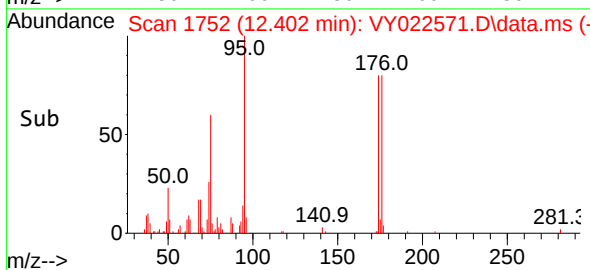
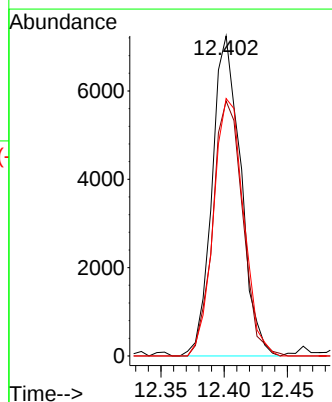
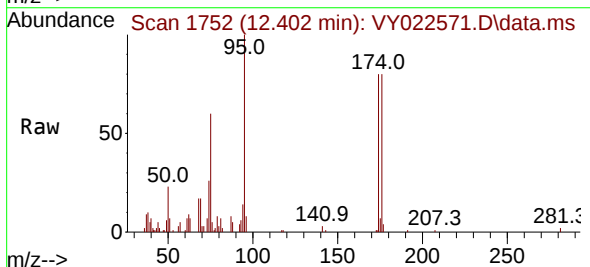
Instrument :
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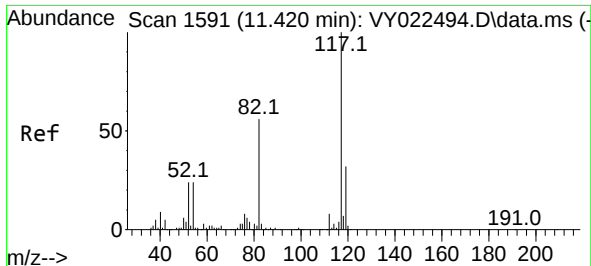
Tgt Ion: 98 Resp: 64069
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 27.888 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022571.D
Acq: 05 Jun 2025 13:56

Tgt Ion: 95 Resp: 11393
Ion Ratio Lower Upper
95 100
174 82.9 0.0 170.0
176 84.7 0.0 166.2

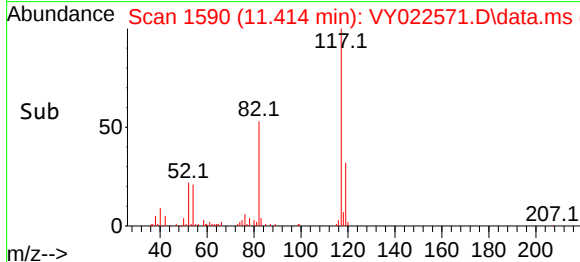
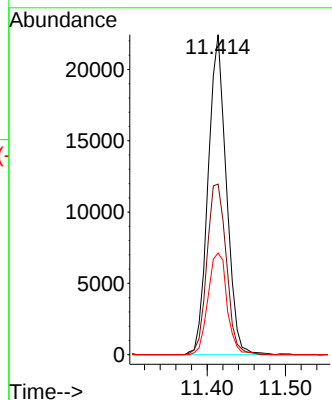
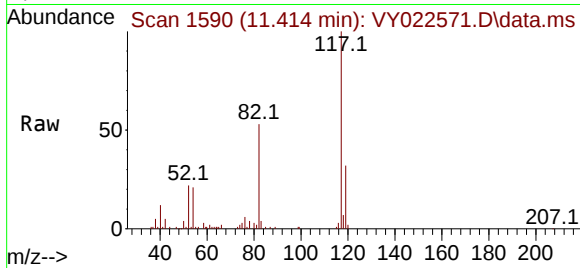




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022571.D
Acq: 05 Jun 2025 13:56

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-06042025

Tgt Ion:117 Resp: 36199
Ion Ratio Lower Upper
117 100
82 53.3 44.6 66.8
119 31.8 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: VY022571.D
Acq: 05 Jun 2025 13:56

Tgt Ion:152 Resp: 9835
Ion Ratio Lower Upper
152 100
115 58.6 28.9 86.7
150 148.2 0.0 349.6

