

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022461.D
 Acq On : 29 May 2025 12:49
 Operator : SY/MD
 Sample : Q2150-02
 Misc : 6.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-42

Quant Time: May 30 05:33:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

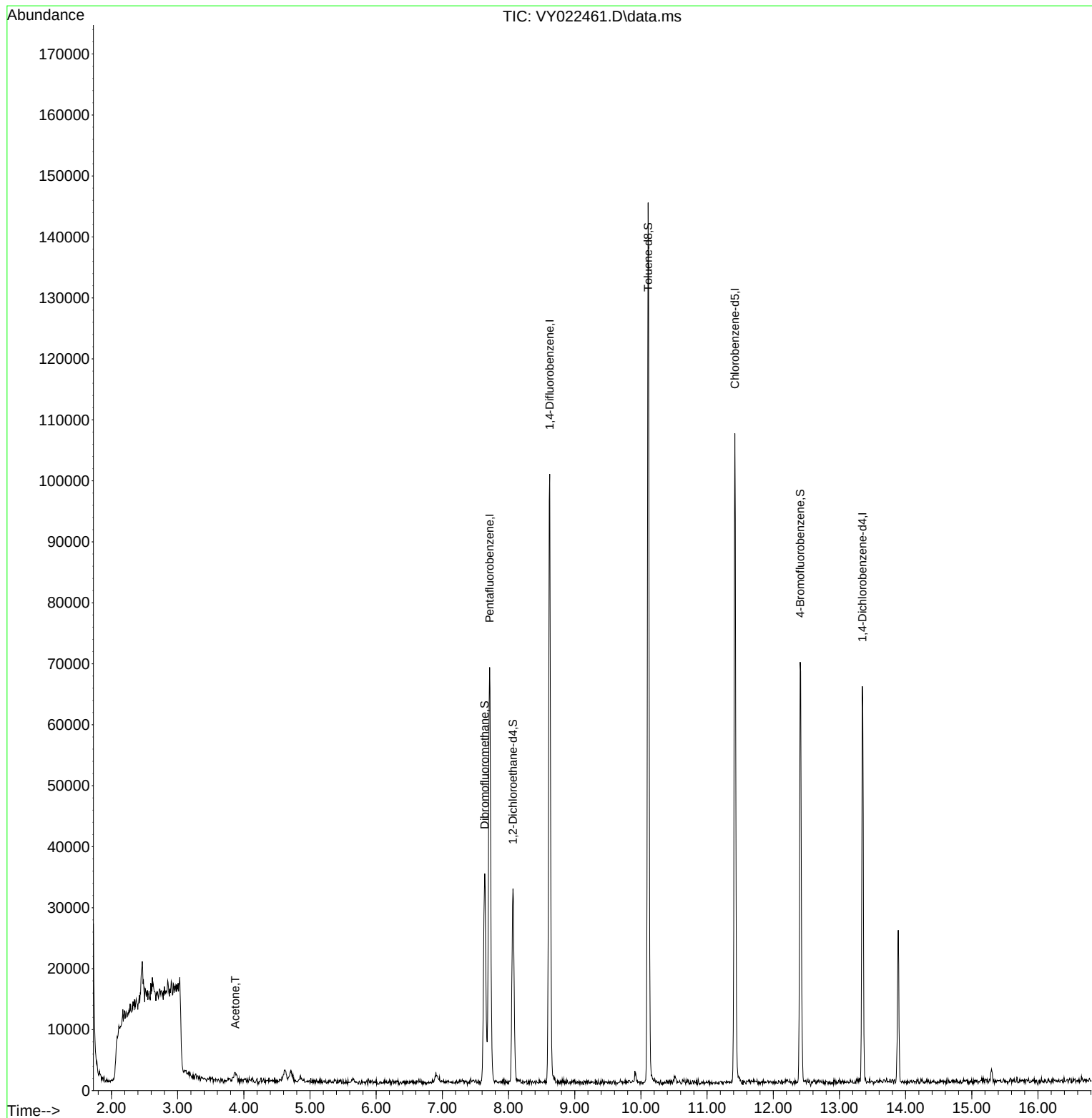
Internal Standards						
1) Pentafluorobenzene	7.713	168	51659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	80393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	54066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	14413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	23943	44.002	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.000%
35) Dibromofluoromethane	7.640	113	24189	51.378	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.760%
50) Toluene-d8	10.109	98	90655	47.234	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.460%
62) 4-Bromofluorobenzene	12.408	95	17581	30.283	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.560%
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	2297	25.690	ug/l #	83

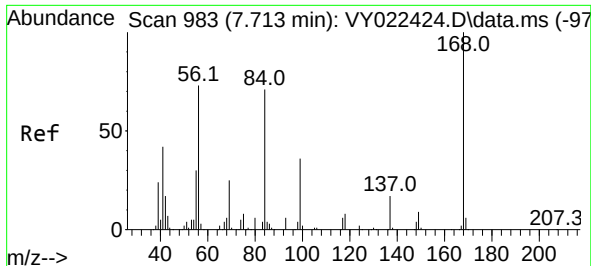
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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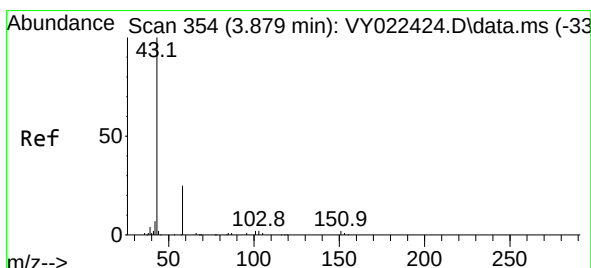
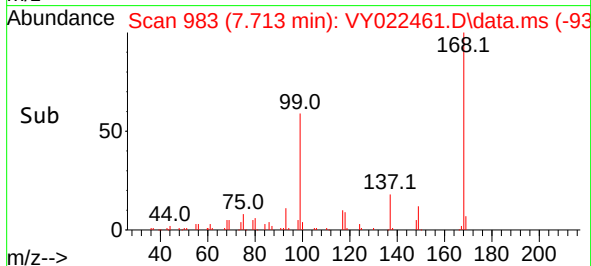
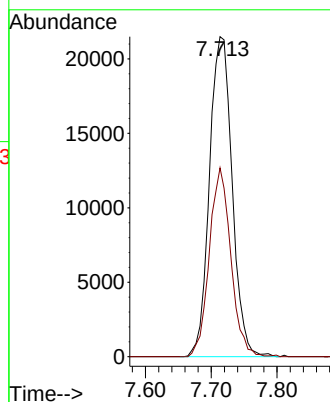
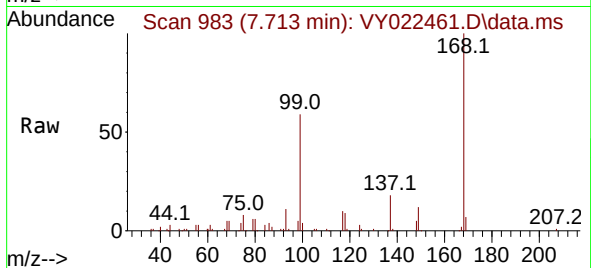




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

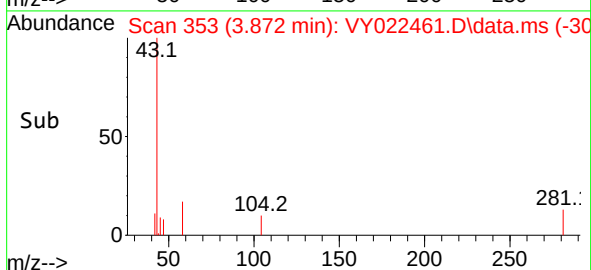
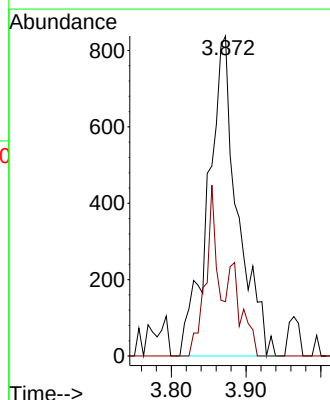
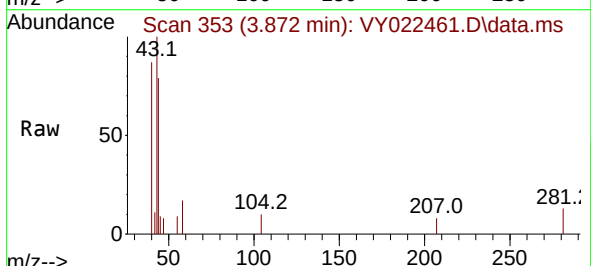
Instrument :
MSVOA_Y
ClientSampleId :
TP-42

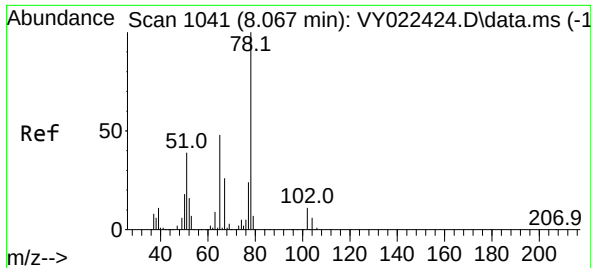
Tgt Ion:168 Resp: 51659
Ion Ratio Lower Upper
168 100
99 59.0 44.7 67.1



#16
Acetone
Concen: 25.690 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

Tgt Ion: 43 Resp: 2297
Ion Ratio Lower Upper
43 100
58 16.9 20.6 30.8#

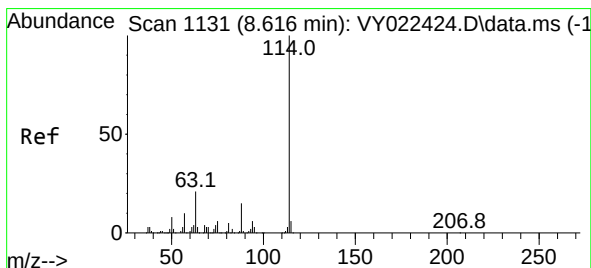
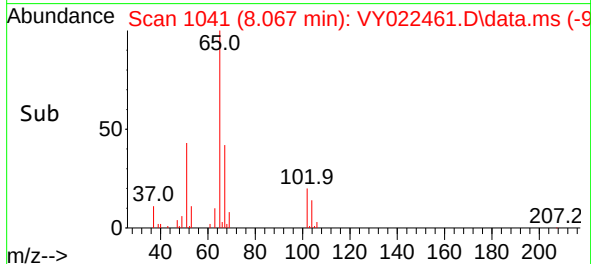
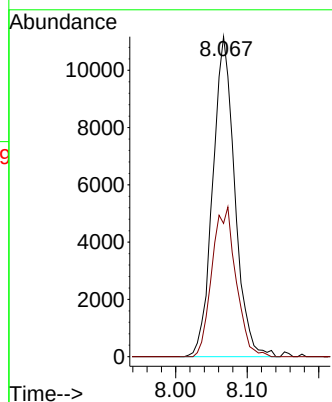
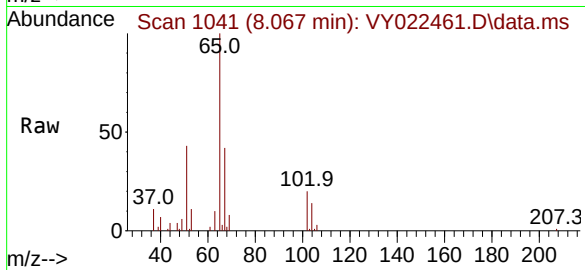




#33
 1,2-Dichloroethane-d4
 Concen: 44.002 ug/l
 RT: 8.067 min Scan# 1041
 Delta R.T. 0.000 min
 Lab File: VY022461.D
 Acq: 29 May 2025 12:49

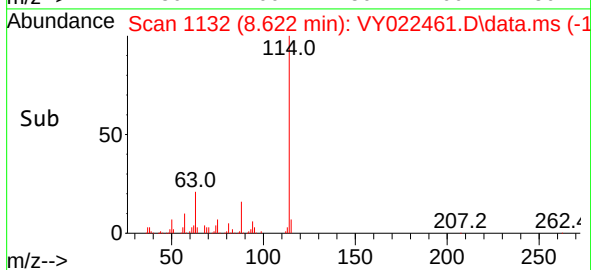
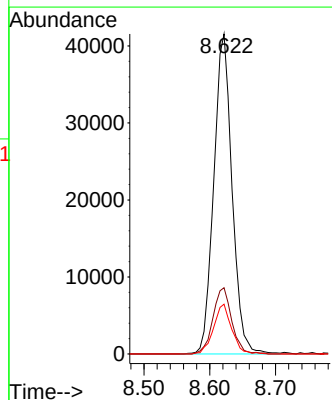
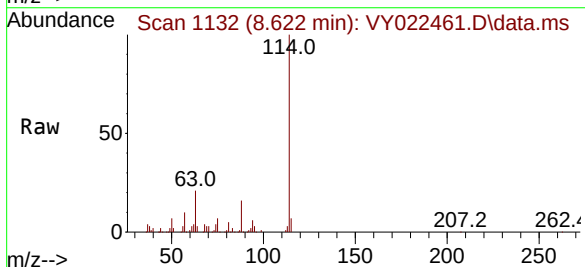
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-42

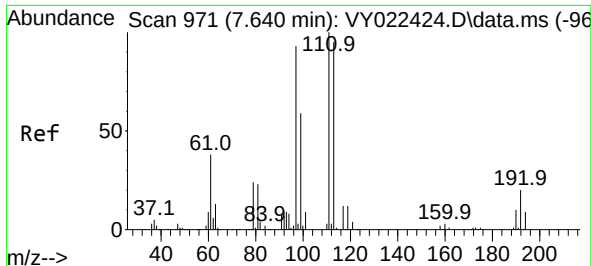
Tgt Ion: 65 Resp: 23943
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.622 min Scan# 1132
 Delta R.T. 0.006 min
 Lab File: VY022461.D
 Acq: 29 May 2025 12:49

Tgt Ion: 114 Resp: 80393
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 15.6 0.0 29.4

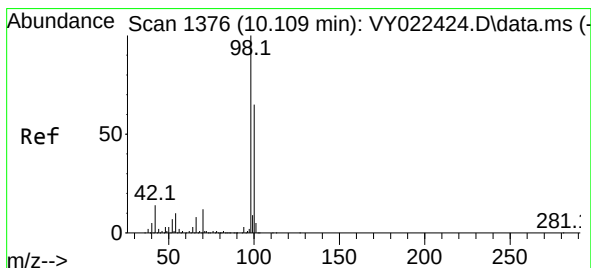
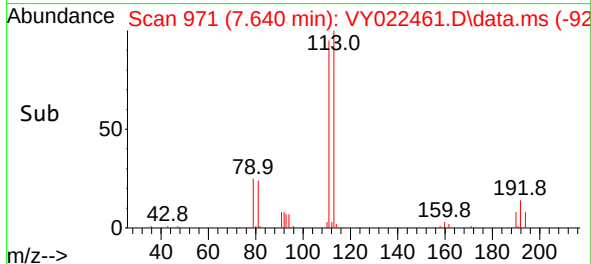
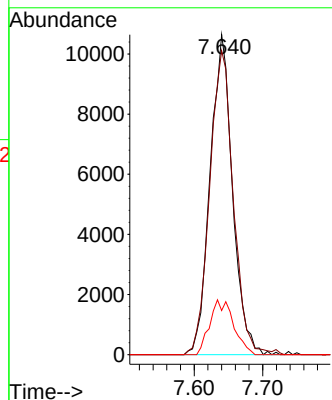
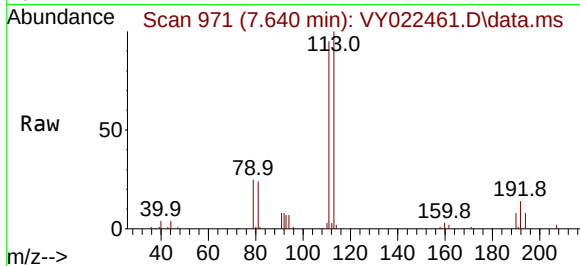




#35
Dibromofluoromethane
Concen: 51.378 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

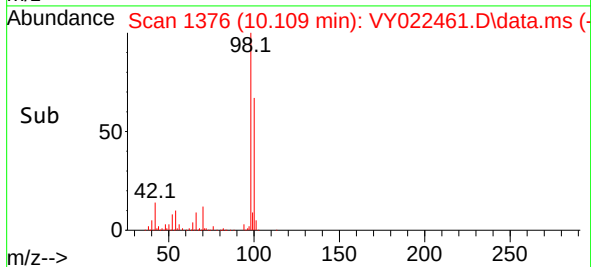
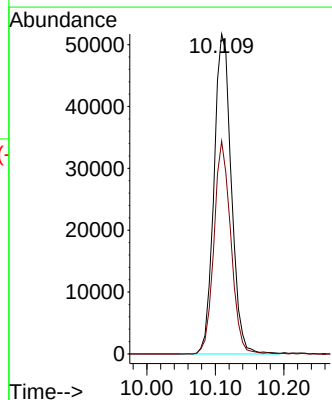
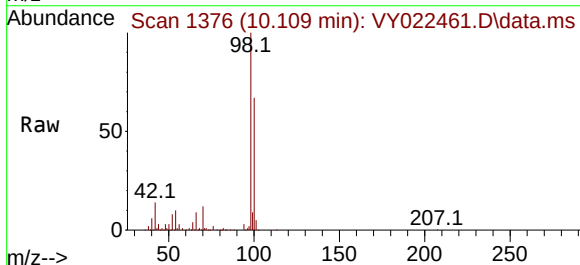
Instrument :
MSVOA_Y
ClientSampleId :
TP-42

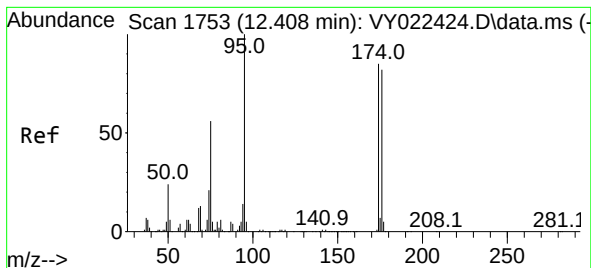
Tgt Ion:113 Resp: 24189
Ion Ratio Lower Upper
113 100
111 100.1 82.4 123.6
192 18.2 15.2 22.8



#50
Toluene-d8
Concen: 47.234 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

Tgt Ion: 98 Resp: 90655
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2

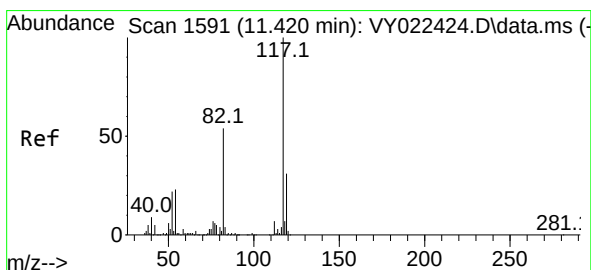
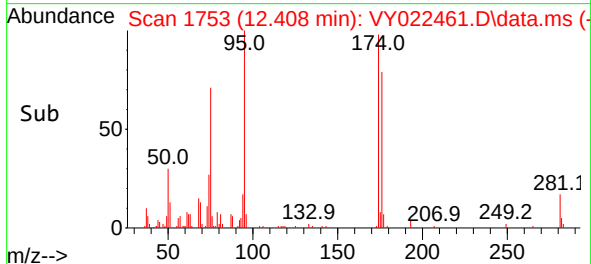
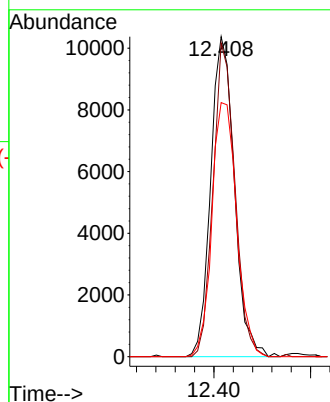
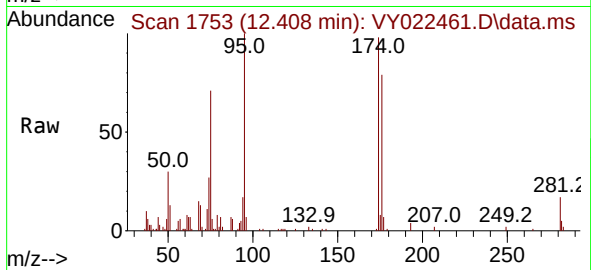




#62
4-Bromofluorobenzene
Concen: 30.283 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

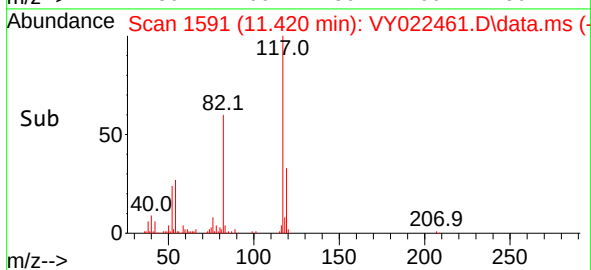
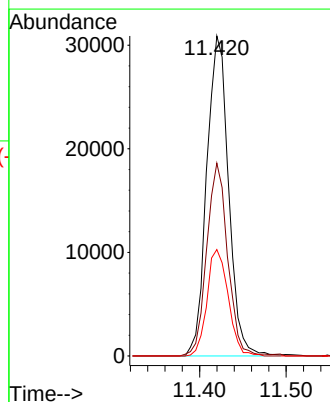
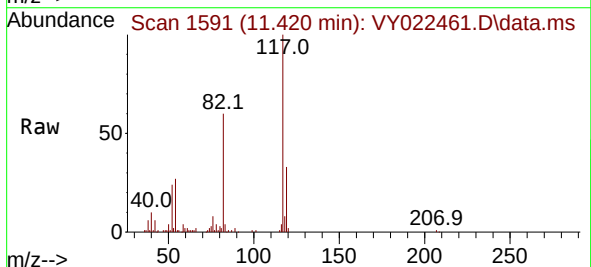
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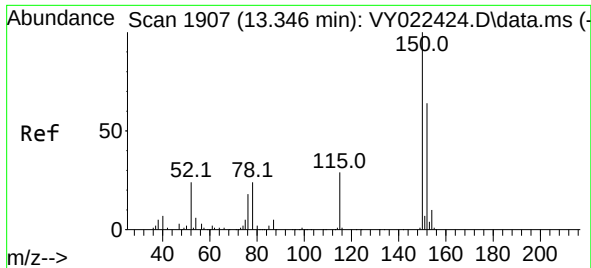
Tgt Ion:	95	Resp:	17581
Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	171.6
176	82.9	0.0	164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY022461.D
Acq: 29 May 2025 12:49

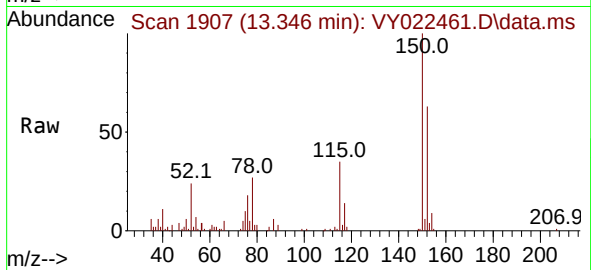
Tgt Ion:	117	Resp:	54066
Ion	Ratio	Lower	Upper
117	100		
82	60.3	43.3	64.9
119	33.2	24.5	36.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022461.D
 Acq: 29 May 2025 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-42



Tgt Ion:	152	Resp:	14413
Ion Ratio	Lower	Upper	
152	100		
115	61.9	28.4	85.3
150	174.2	0.0	345.8

