

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY053025\
 Data File : VY022485.D
 Acq On : 30 May 2025 17:48
 Operator : SY/MD
 Sample : Q2161-02
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B28-SOIL-SAMPLE

Quant Time: May 31 02:31:28 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	21427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	29760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	15121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	2932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	6140	27.205	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	54.420%
35) Dibromofluoromethane	7.640	113	3635	20.857	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	41.720%#
50) Toluene-d8	10.103	98	29970	42.183	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.360%
62) 4-Bromofluorobenzene	12.402	95	4550	21.172	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	42.340%

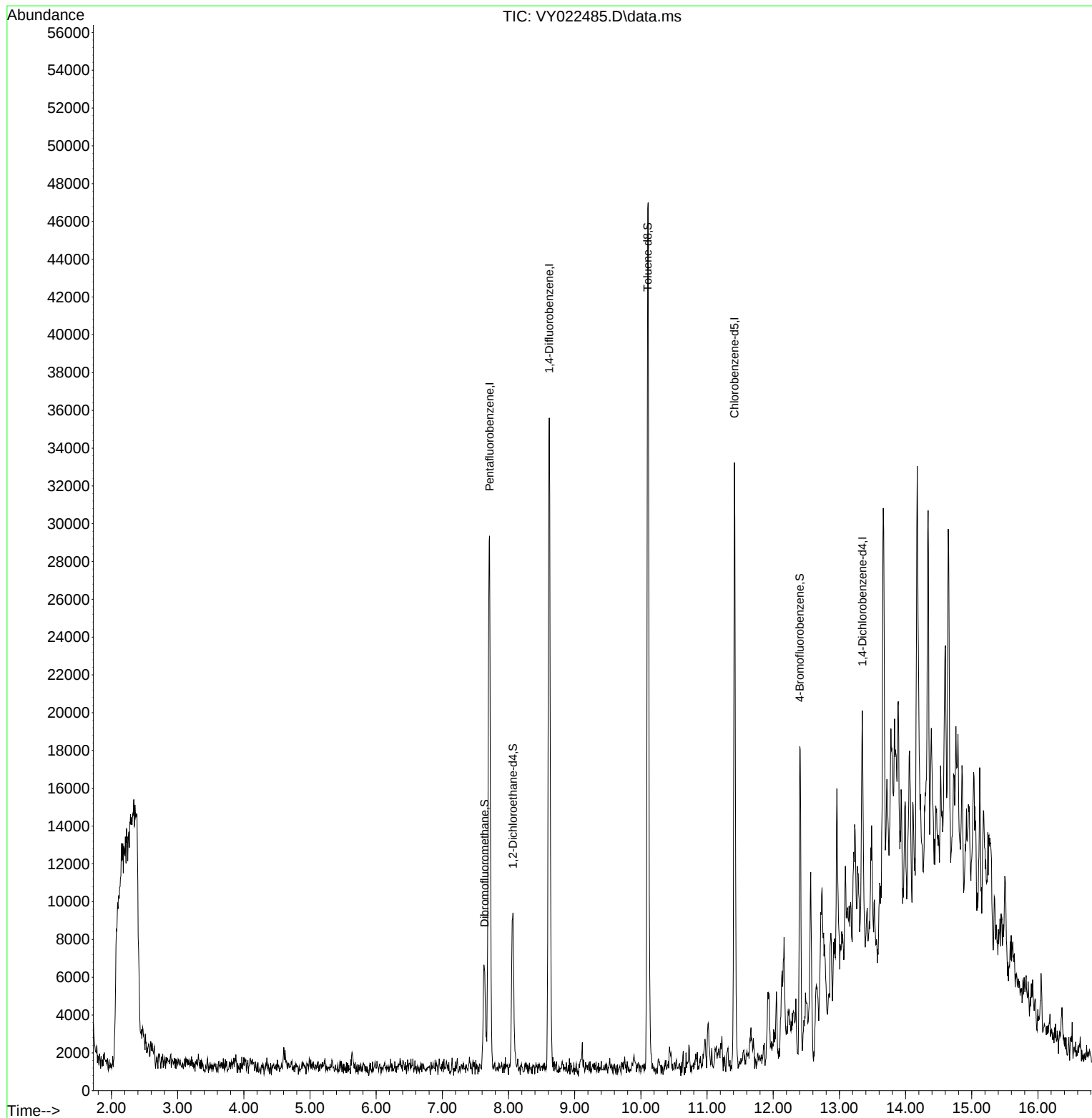
Target Compounds	Qvalue

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

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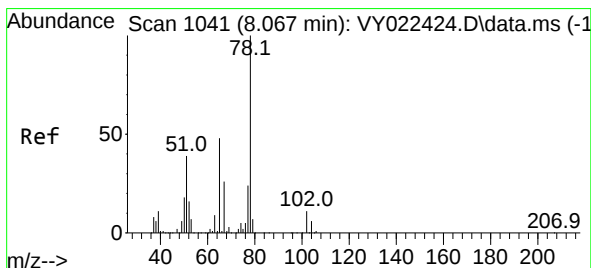
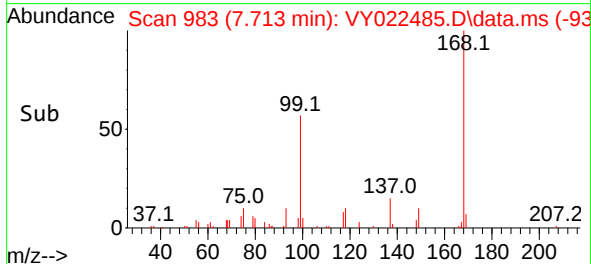
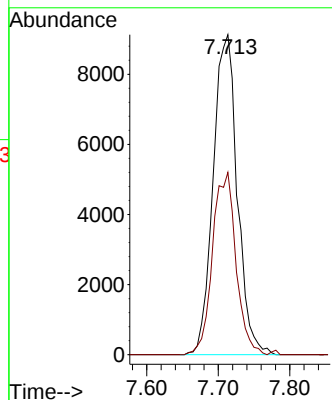
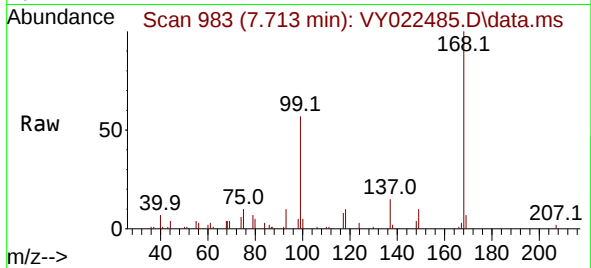




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

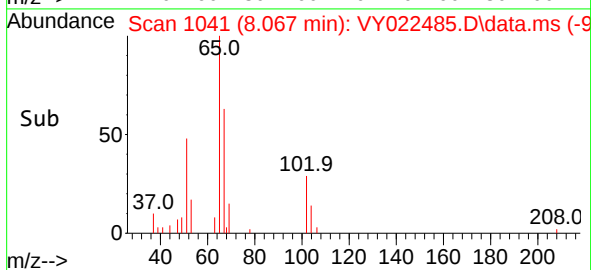
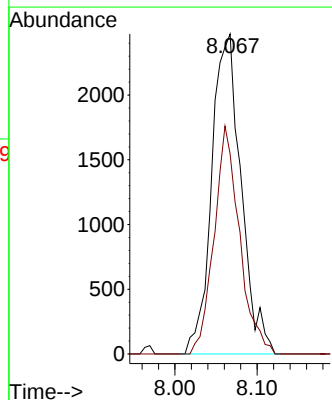
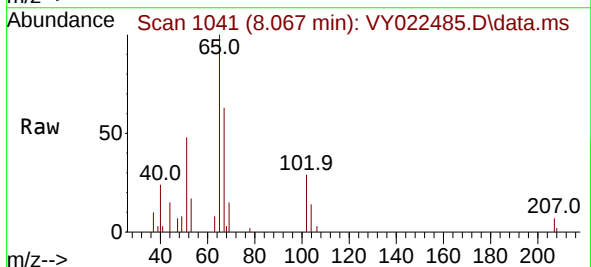
Instrument :
MSVOA_Y
ClientSampleId :
B28-SOIL-SAMPLE

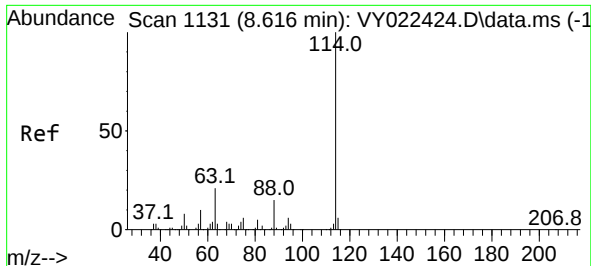
Tgt Ion:168 Resp: 21427
Ion Ratio Lower Upper
168 100
99 56.9 44.7 67.1



#33
1,2-Dichloroethane-d4
Concen: 27.205 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

Tgt Ion: 65 Resp: 6140
Ion Ratio Lower Upper
65 100
67 61.7 0.0 104.4

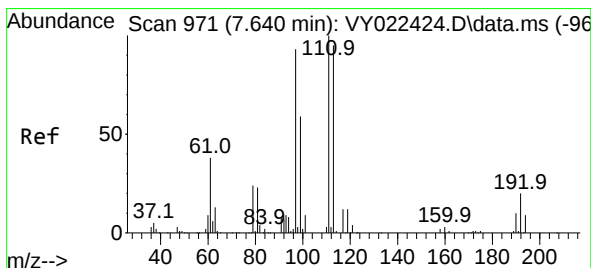
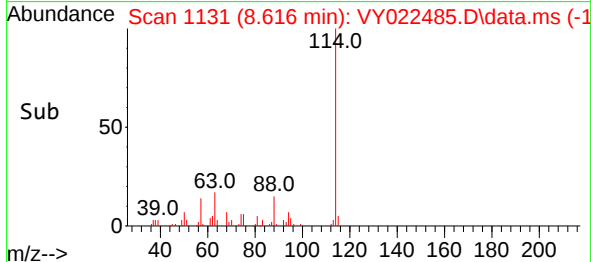
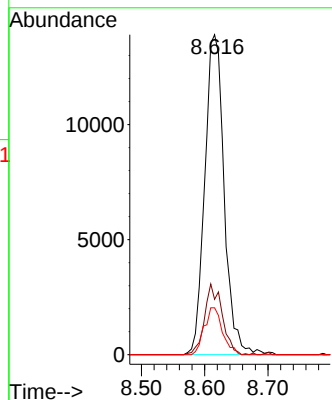
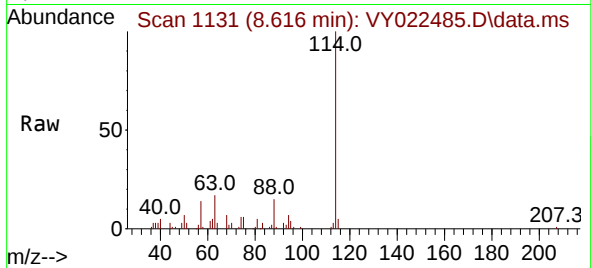




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

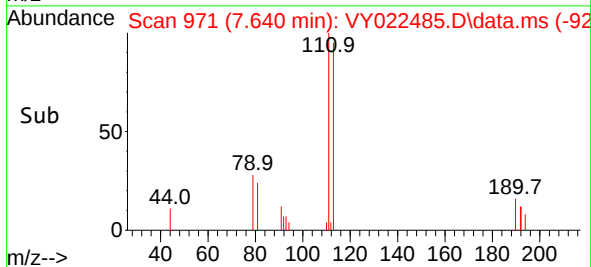
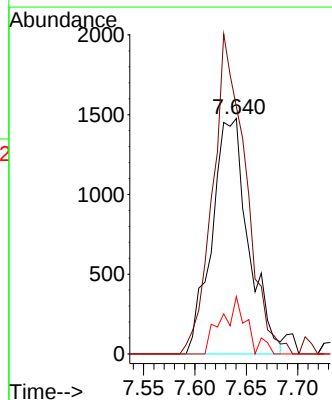
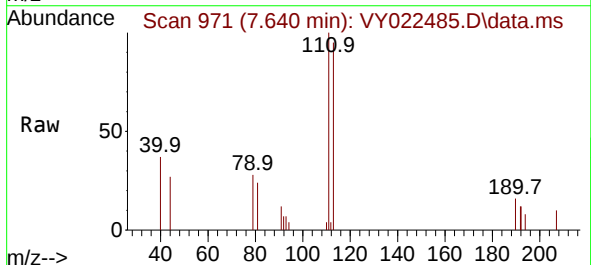
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ClientSampleId :
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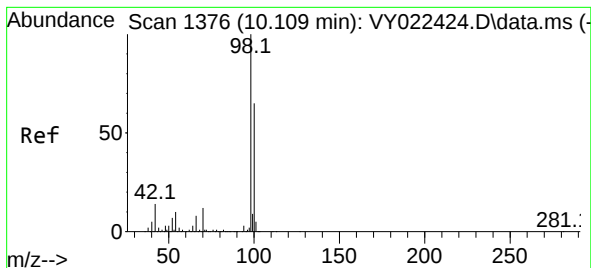
Tgt Ion:	114	Resp:	29760
Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	42.6
88	14.7	0.0	29.4



#35
Dibromofluoromethane
Concen: 20.857 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.000 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

Tgt Ion:	113	Resp:	3635
Ion	Ratio	Lower	Upper
113	100		
111	123.1	82.4	123.6
192	17.4	15.2	22.8

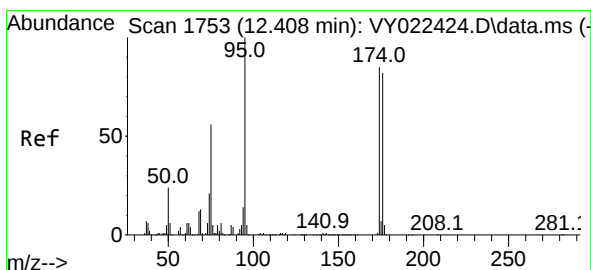
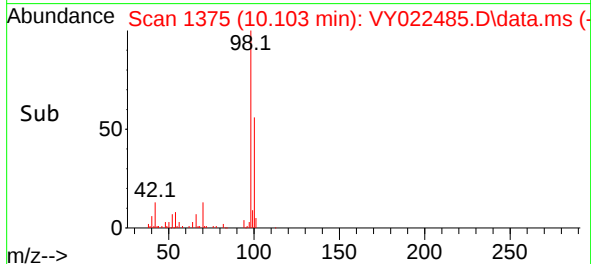
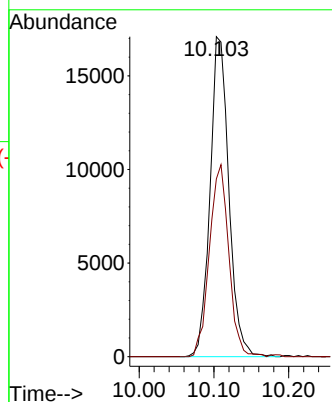
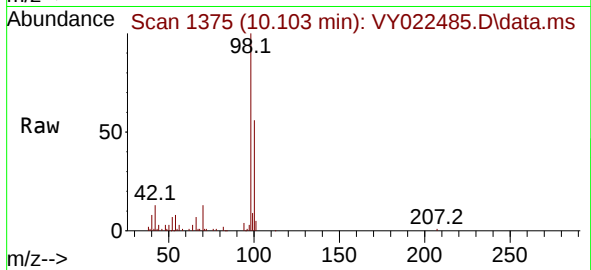




#50
Toluene-d8
Concen: 42.183 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

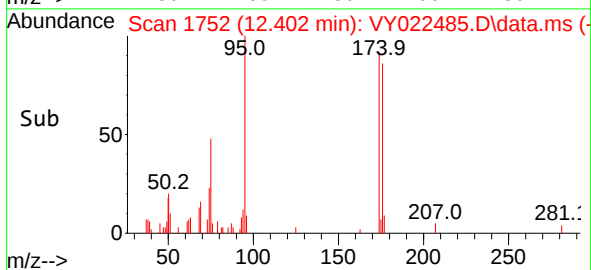
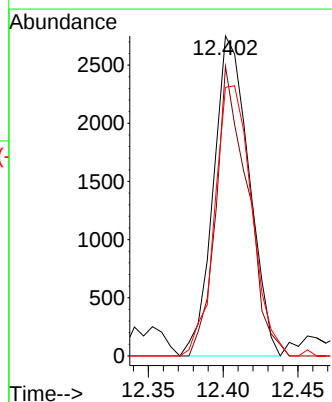
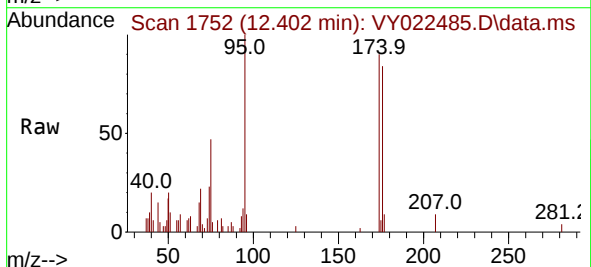
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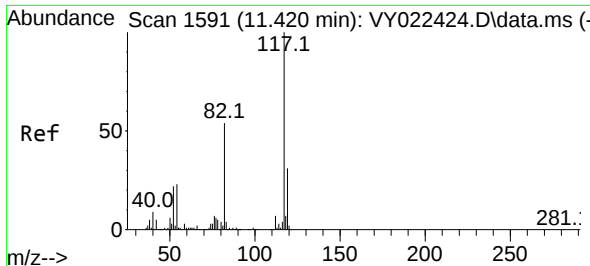
Tgt Ion: 98 Resp: 29970
Ion Ratio Lower Upper
98 100
100 61.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 21.172 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

Tgt Ion: 95 Resp: 4550
Ion Ratio Lower Upper
95 100
174 80.4 0.0 171.6
176 87.4 0.0 164.6

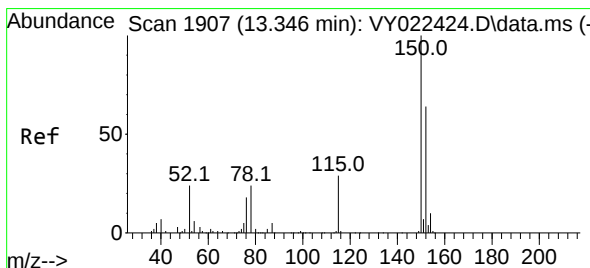
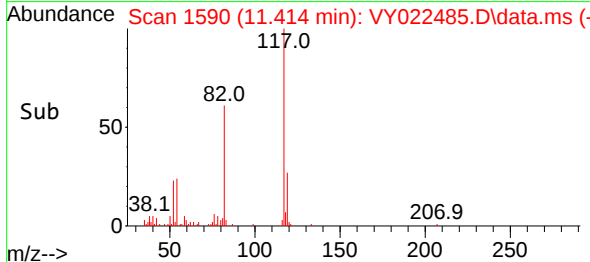
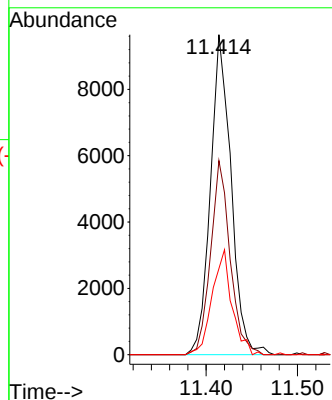
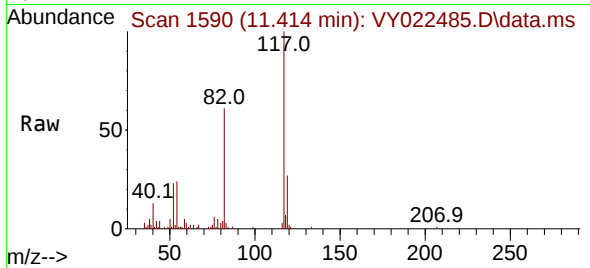




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

Instrument :
MSVOA_Y
ClientSampleId :
B28-SOIL-SAMPLE

Tgt Ion:117	Resp:	15121
Ion Ratio	Lower	Upper
117	100	
82	60.6	43.3 64.9
119	26.9	24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022485.D
Acq: 30 May 2025 17:48

Tgt Ion:152	Resp:	2932
Ion Ratio	Lower	Upper
152	100	
115	61.1	28.4 85.3
150	152.0	0.0 345.8

