

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022264.D
 Acq On : 15 May 2025 15:12
 Operator : SY/MD
 Sample : Q1984-01
 Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-33-050725

Quant Time: May 16 01:56:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	335713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	583367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	455663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163510	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162950	44.412	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.820%
35) Dibromofluoromethane	7.634	113	170196	48.881	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.760%
50) Toluene-d8	10.109	98	693172	48.609	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.220%
62) 4-Bromofluorobenzene	12.408	95	177590	39.290	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.580%

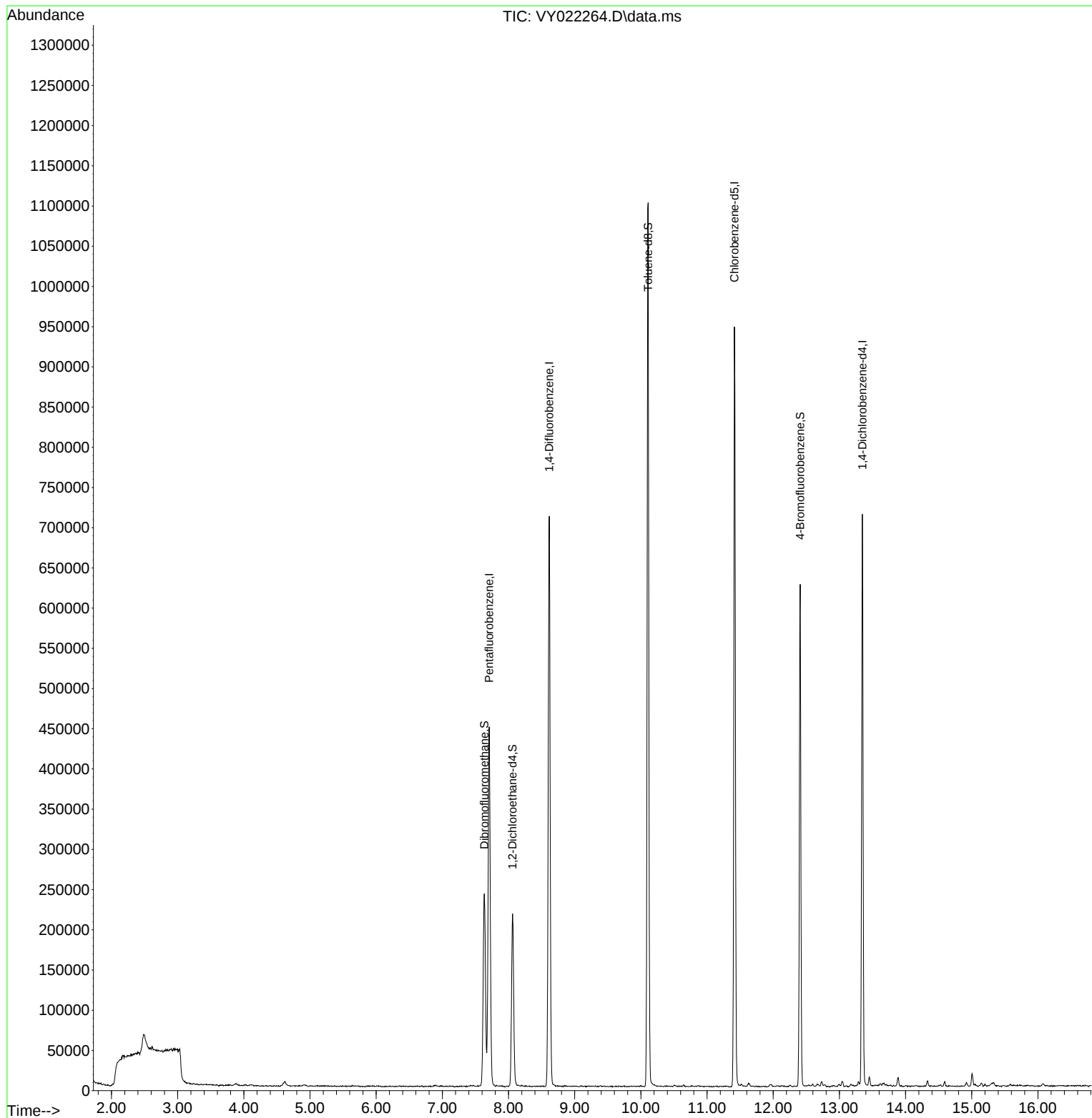
Target Compounds	Qvalue

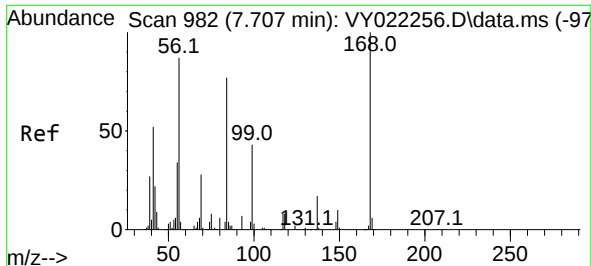
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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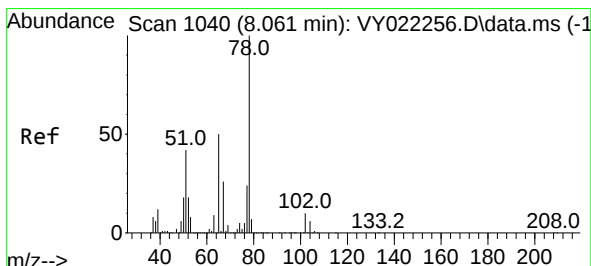
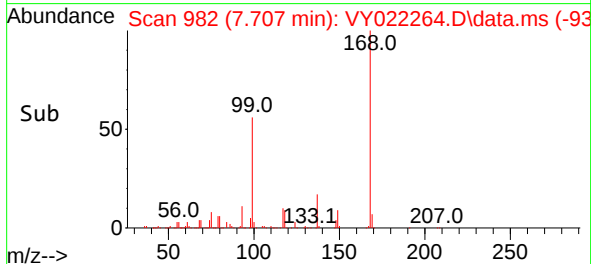
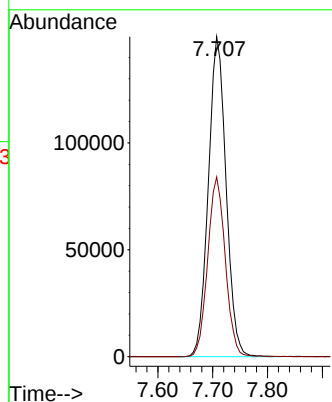
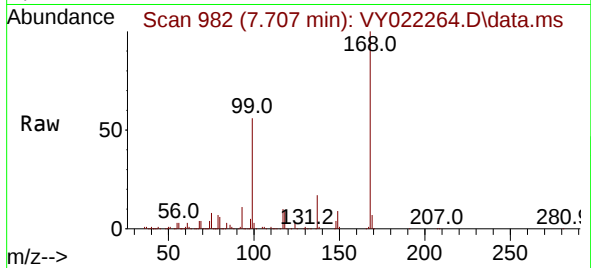




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

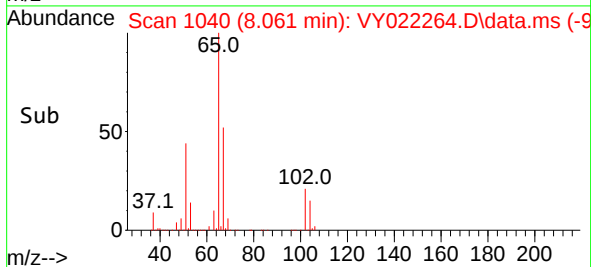
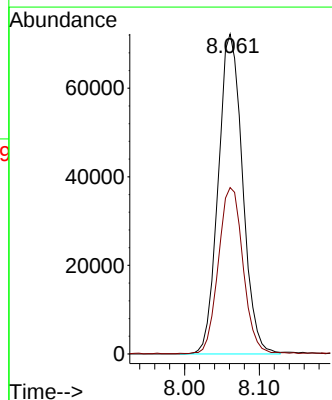
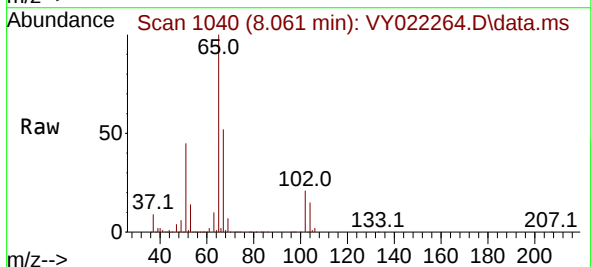
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-33-050725

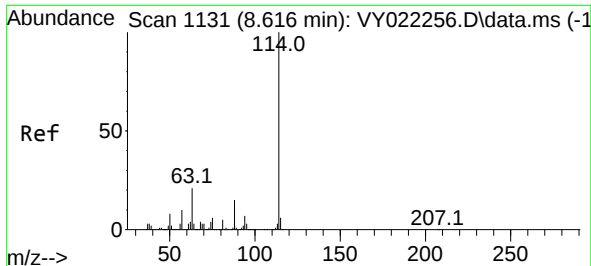
Tgt Ion:168 Resp: 335713
Ion Ratio Lower Upper
168 100
99 56.2 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 44.412 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Tgt Ion: 65 Resp: 162950
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.6

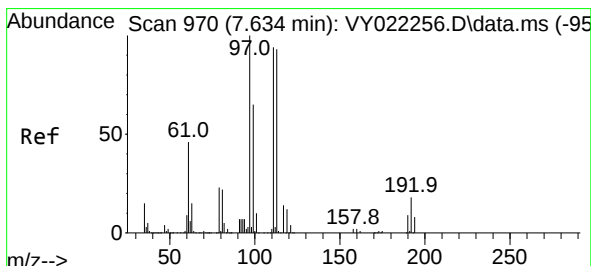
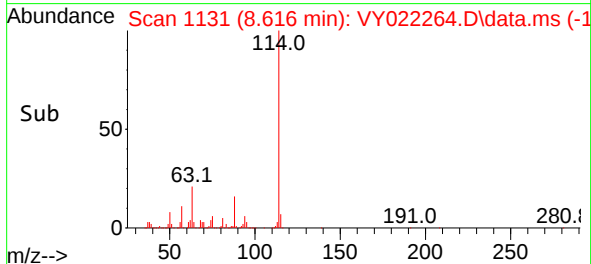
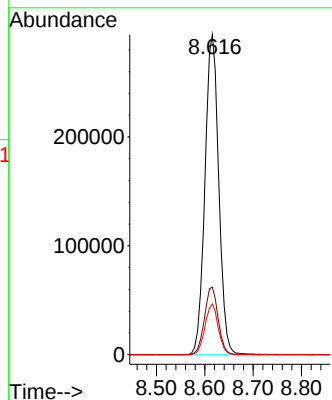
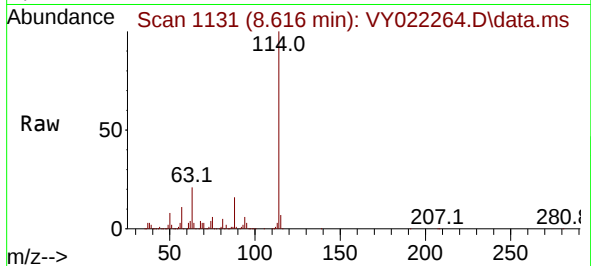




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

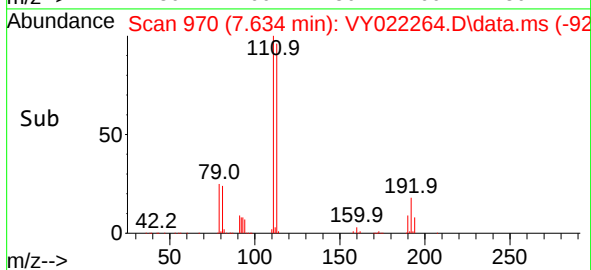
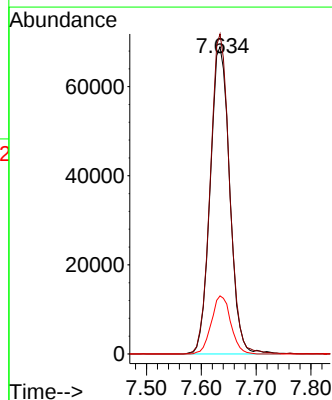
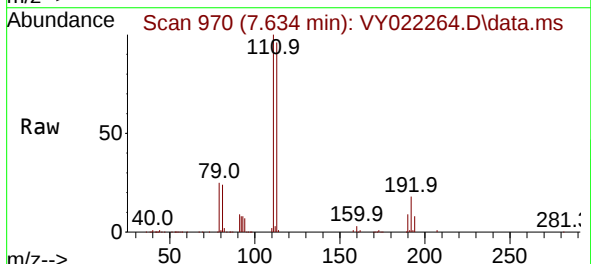
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ClientSampleId :
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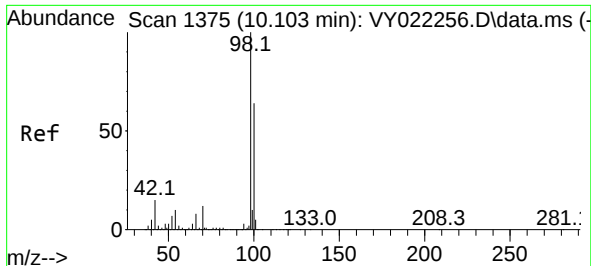
Tgt Ion:114 Resp: 583367
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.0
88 15.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.881 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Tgt Ion:113 Resp: 170196
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 18.8 15.2 22.8

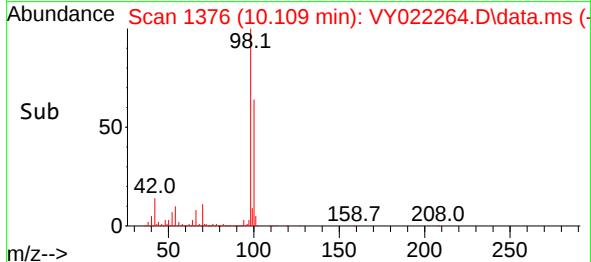
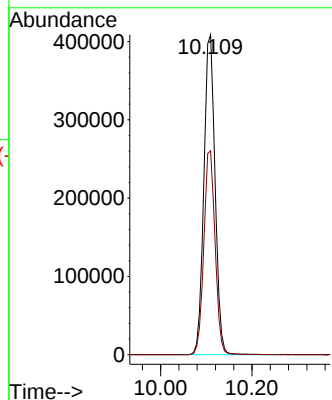
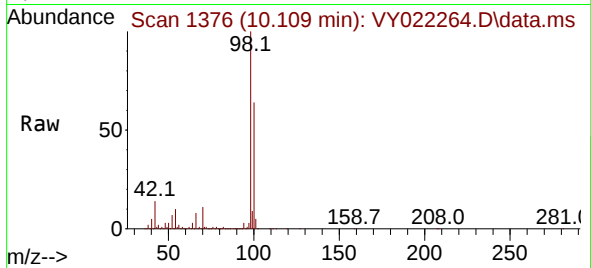




#50
Toluene-d8
Concen: 48.609 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

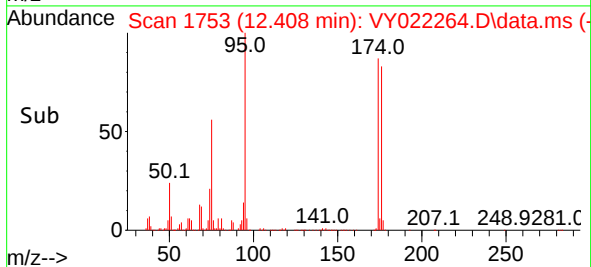
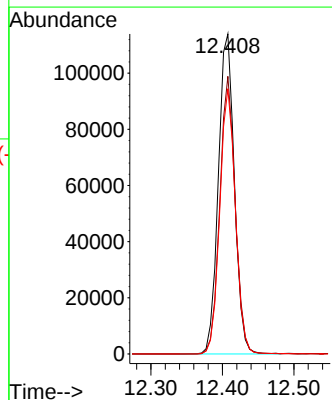
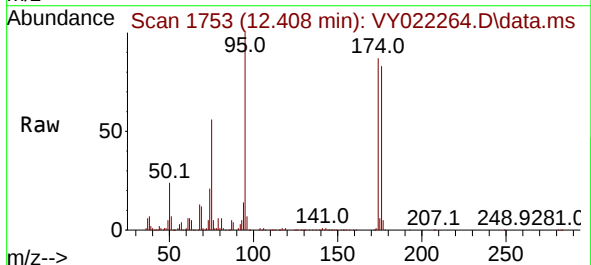
Instrument :
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ClientSampleId :
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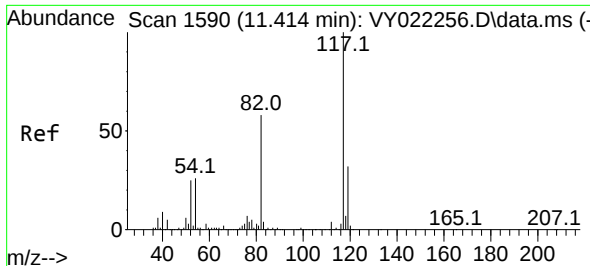
Tgt Ion: 98 Resp: 693172
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 39.290 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Tgt Ion: 95 Resp: 177590
Ion Ratio Lower Upper
95 100
174 83.5 0.0 166.8
176 80.7 0.0 160.8

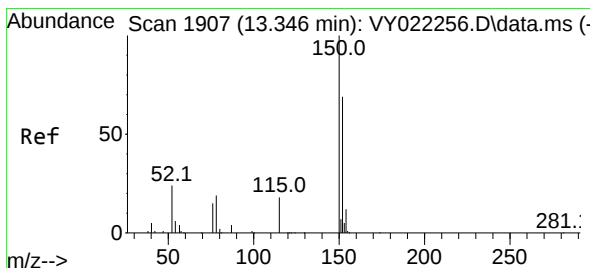
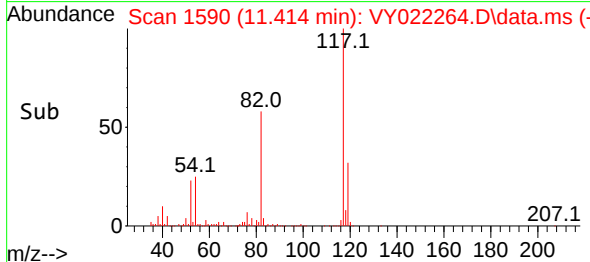
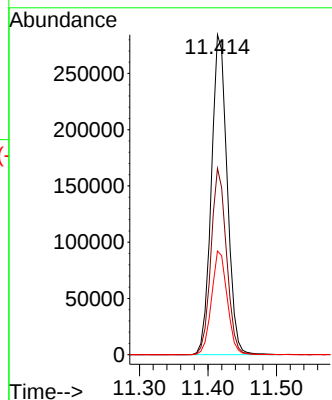
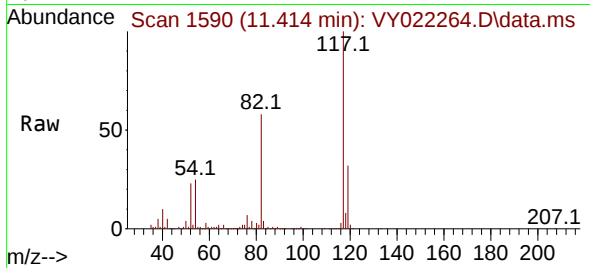




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-33-050725

Tgt Ion:117 Resp: 455663
Ion Ratio Lower Upper
117 100
82 58.3 46.6 70.0
119 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022264.D
Acq: 15 May 2025 15:12

Tgt Ion:152 Resp: 163510
Ion Ratio Lower Upper
152 100
115 57.1 29.4 88.2
150 156.1 0.0 353.8

