

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021932.D
 Acq On : 18 Apr 2025 15:44
 Operator : SY/MD
 Sample : Q1840-01
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-04-04182025

Quant Time: Apr 19 01:14:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	39363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	85293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	90057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	29466	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	41843	98.111	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	196.220%#
35) Dibromofluoromethane	7.634	113	39274	70.984	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	141.960%
50) Toluene-d8	10.109	98	107207	50.933	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.860%
62) 4-Bromofluorobenzene	12.408	95	31936	44.856	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.720%

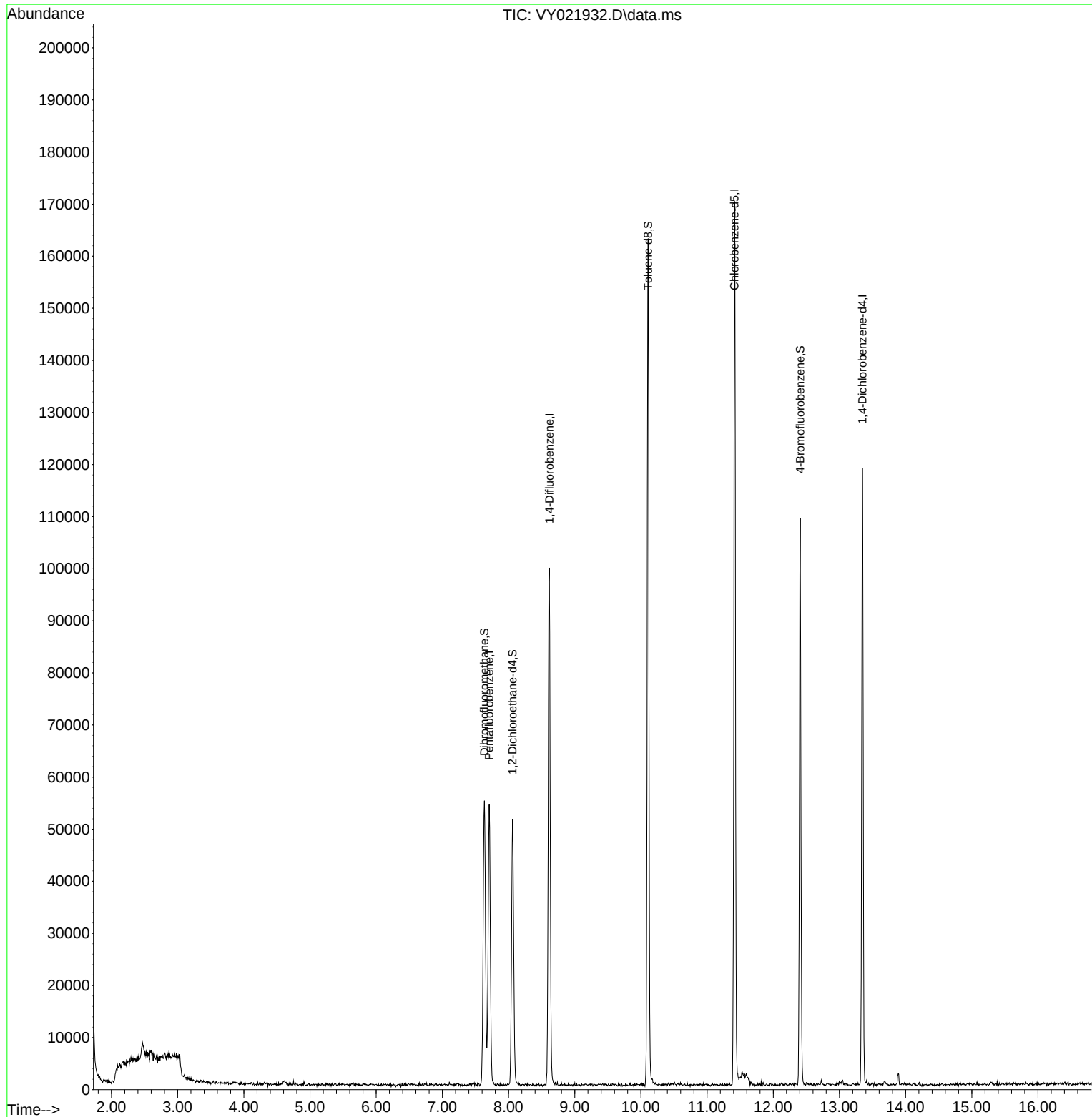
Target Compounds	Qvalue

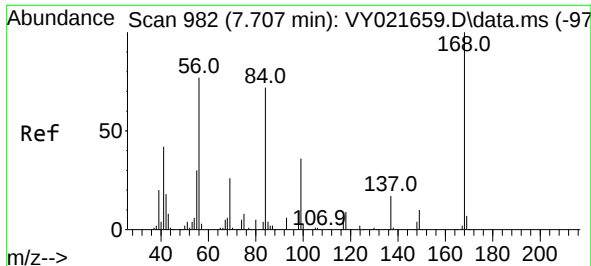
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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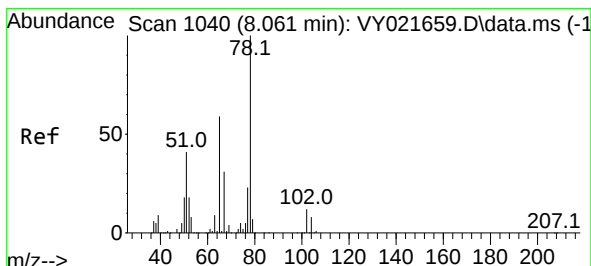
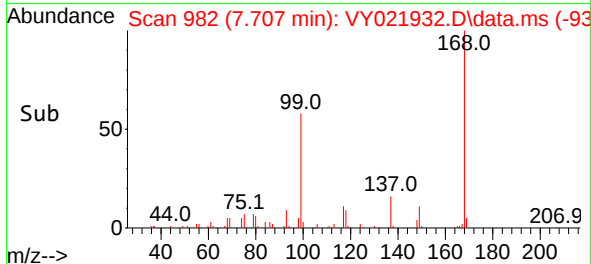
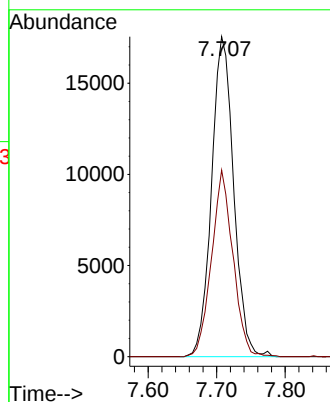
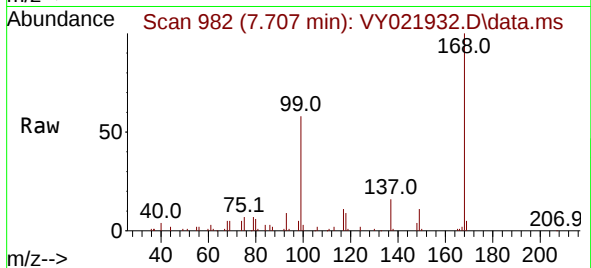




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

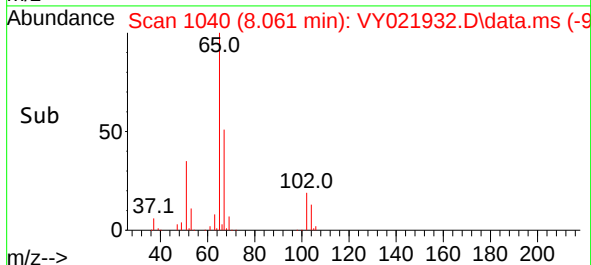
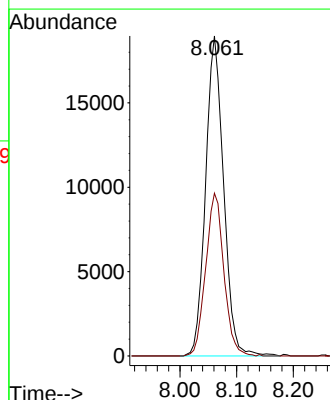
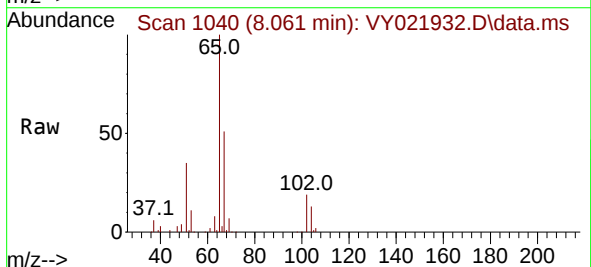
Instrument :
MSVOA_Y
ClientSampleId :
OK-04-04182025

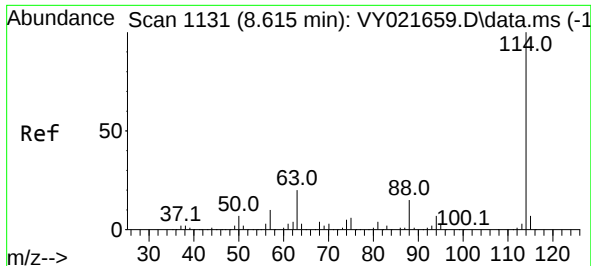
Tgt Ion:168 Resp: 39363
Ion Ratio Lower Upper
168 100
99 58.3 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 98.111 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

Tgt Ion: 65 Resp: 41843
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6

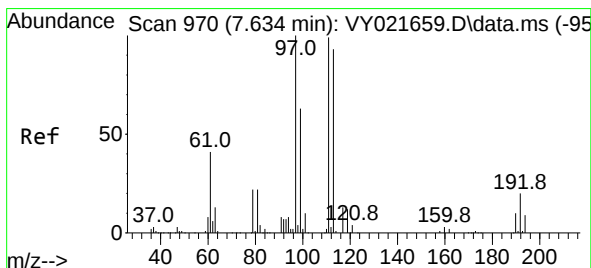
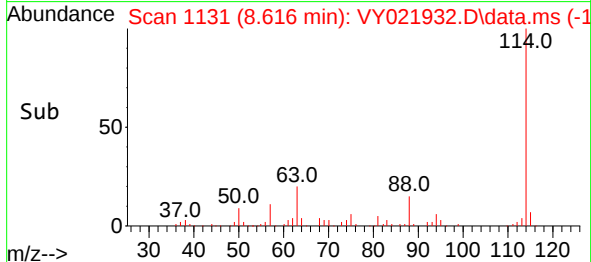
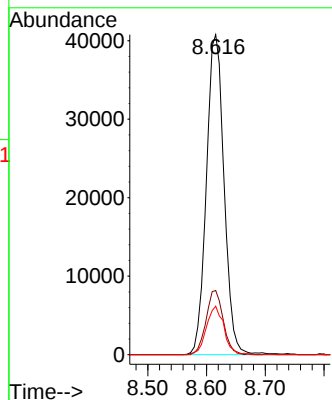
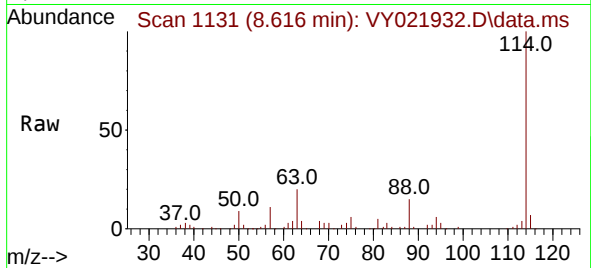




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

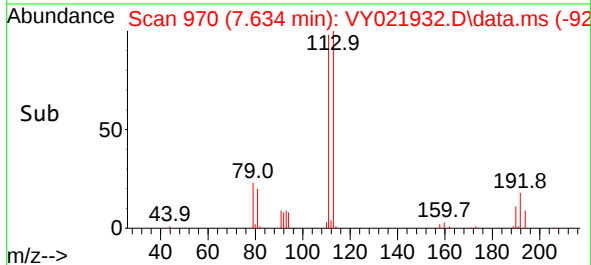
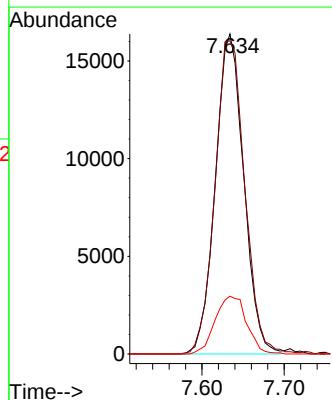
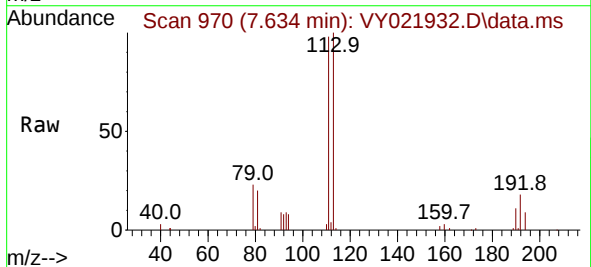
Instrument :
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ClientSampleId :
OK-04-04182025

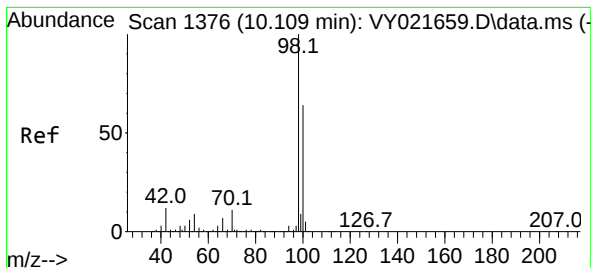
Tgt Ion:114 Resp: 85293
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.2
88 15.2 0.0 29.8



#35
Dibromofluoromethane
Concen: 70.984 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

Tgt Ion:113 Resp: 39274
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 20.0 16.2 24.4

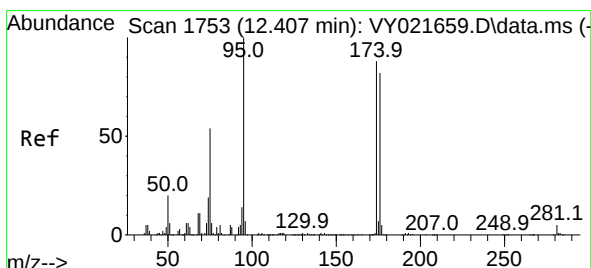
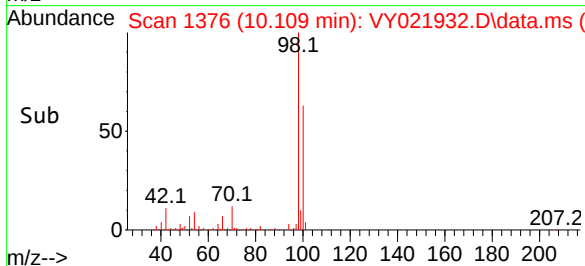
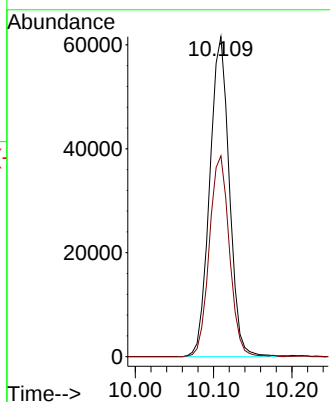
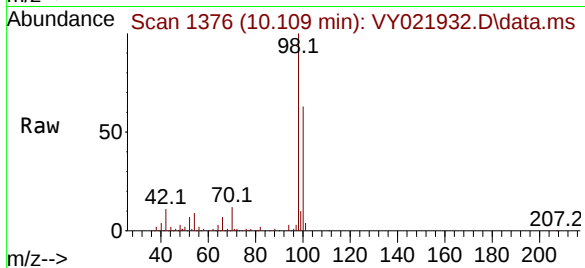




#50
Toluene-d8
Concen: 50.933 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

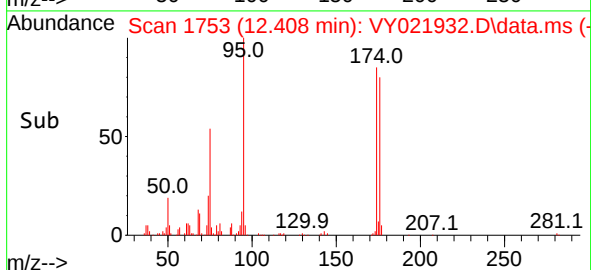
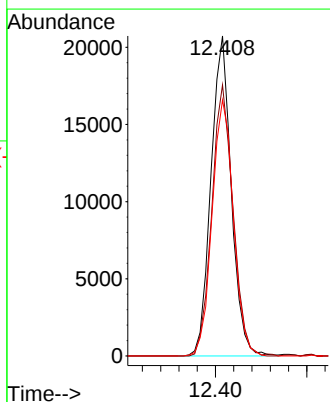
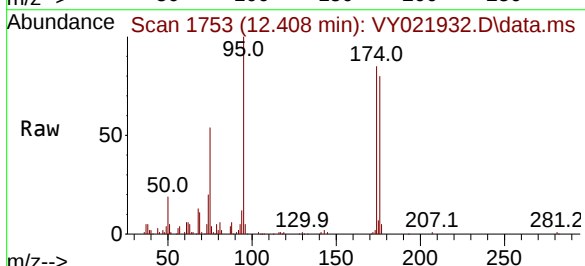
Instrument :
MSVOA_Y
ClientSampleId :
OK-04-04182025

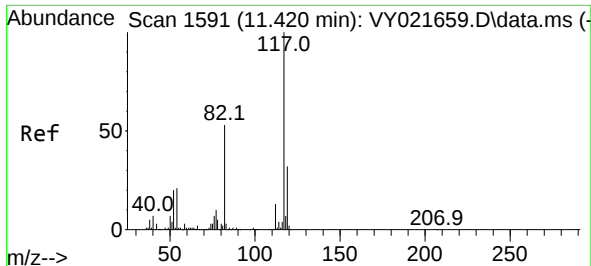
Tgt Ion: 98 Resp: 107207
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 44.856 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

Tgt Ion: 95 Resp: 31936
Ion Ratio Lower Upper
95 100
174 88.3 0.0 170.8
176 84.1 0.0 162.0

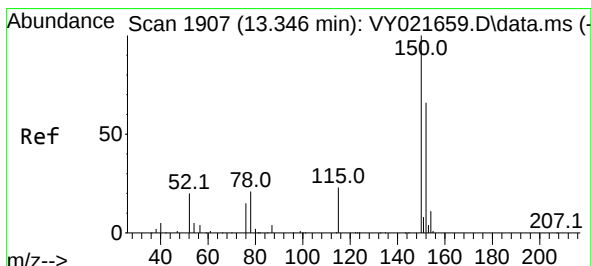
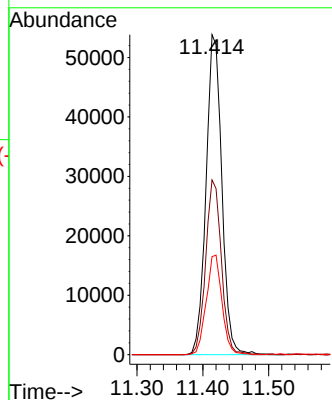
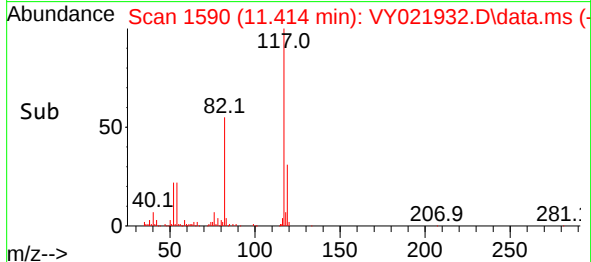
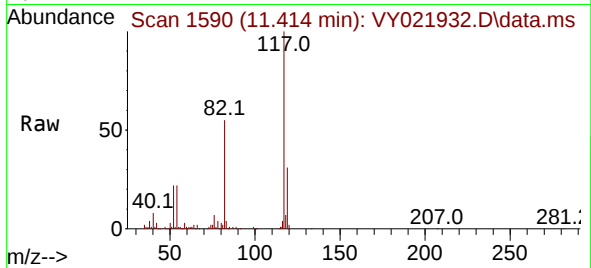




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

Instrument :
MSVOA_Y
ClientSampleId :
OK-04-04182025

Tgt Ion:117 Resp: 90057
Ion Ratio Lower Upper
117 100
82 54.6 42.8 64.2
119 30.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021932.D
Acq: 18 Apr 2025 15:44

Tgt Ion:152 Resp: 29466
Ion Ratio Lower Upper
152 100
115 55.7 28.8 86.5
150 155.0 0.0 348.4

