

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023245.D
 Acq On : 29 Aug 2025 14:18
 Operator : SY/MD
 Sample : Q2986-05
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NORTH-TP-3

Quant Time: Aug 30 01:22:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	517425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	988166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	907933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	370766	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	282466	57.279	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.560%
35) Dibromofluoromethane	7.634	113	318449	53.857	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.720%
50) Toluene-d8	10.109	98	1190041	51.519	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.040%
62) 4-Bromofluorobenzene	12.408	95	352504	47.452	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.900%

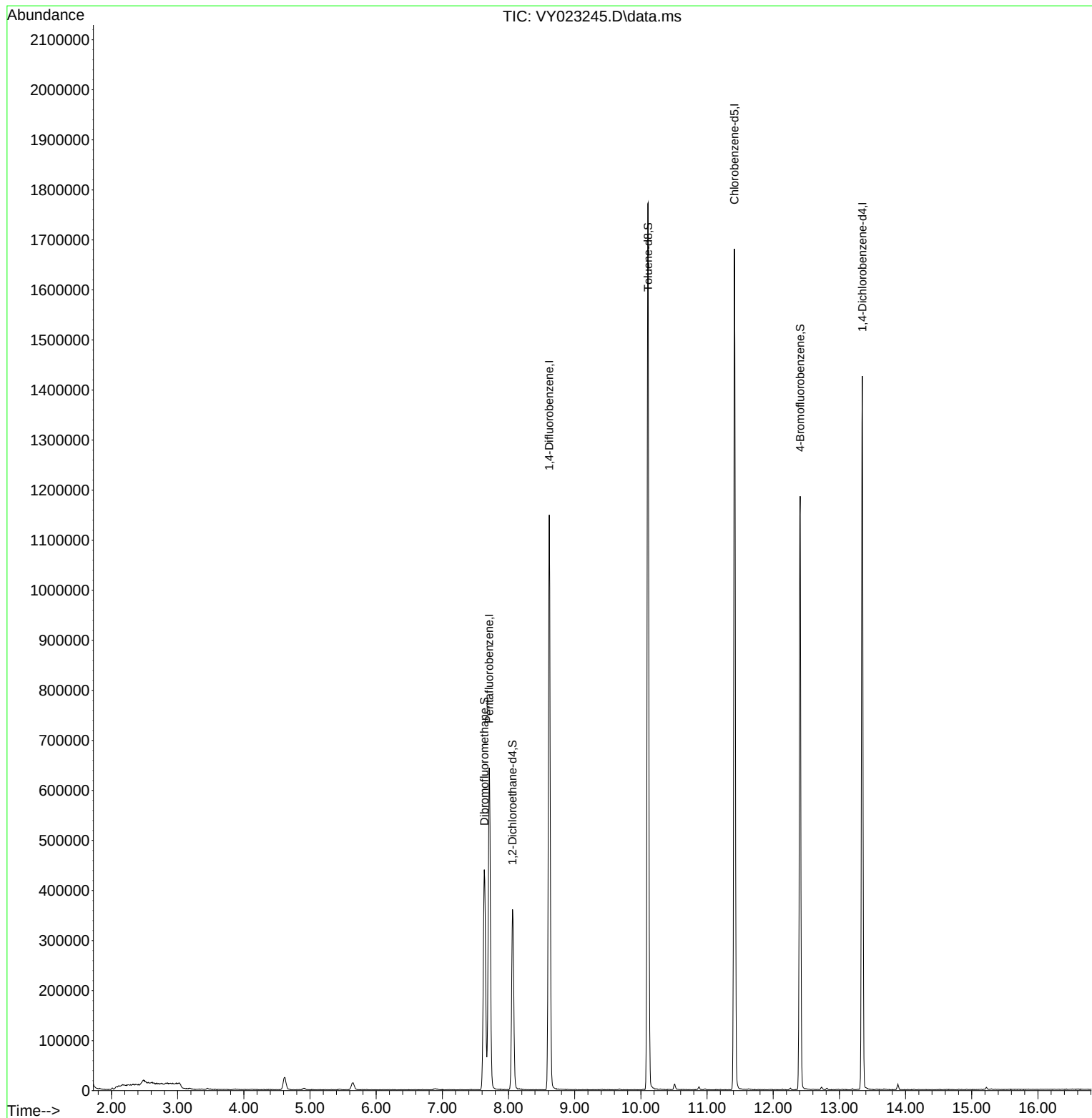
Target Compounds	Qvalue

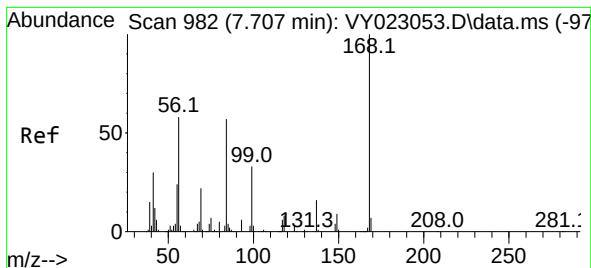
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY023245.D

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Instrument :

MSVOA_Y

ClientSampleId :

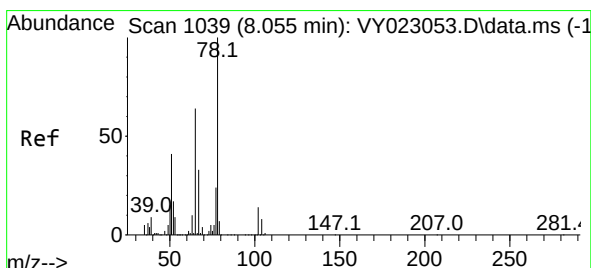
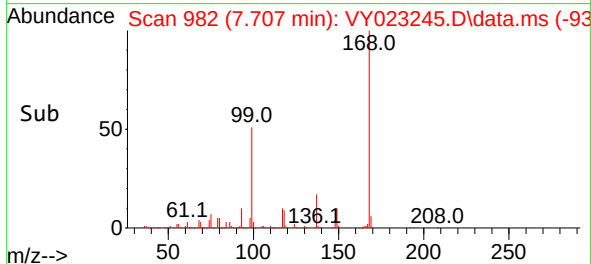
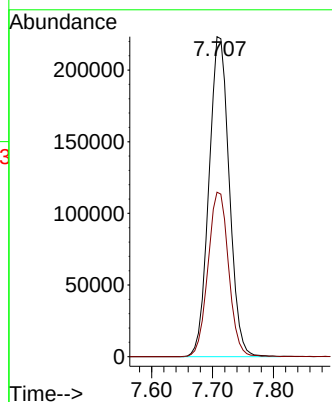
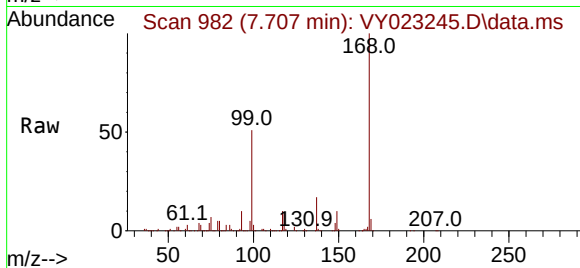
NORTH-TP-3

Tgt Ion:168 Resp: 517425

Ion Ratio Lower Upper

168 100

99 51.4 42.8 64.2



#33

1,2-Dichloroethane-d4

Concen: 57.279 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023245.D

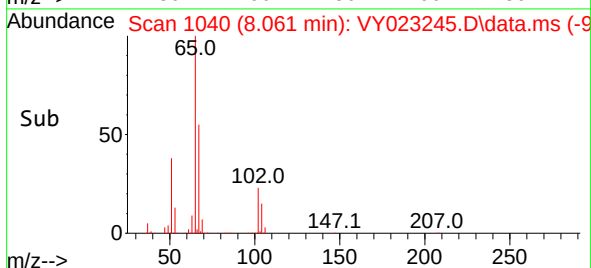
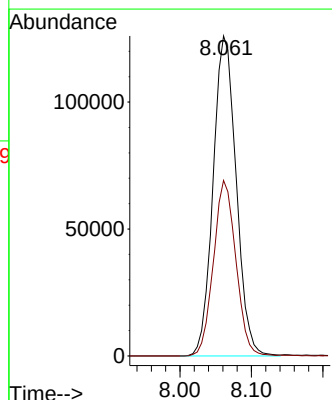
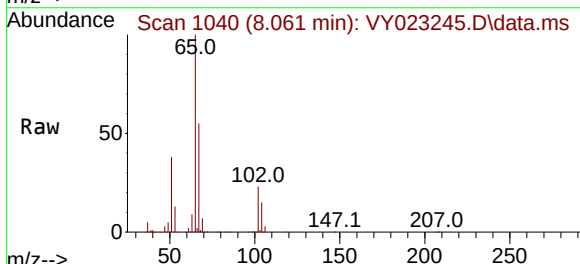
Acq: 29 Aug 2025 14:18

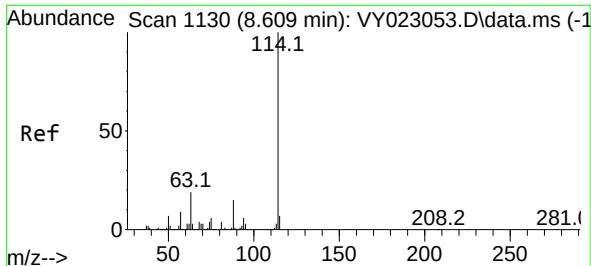
Tgt Ion: 65 Resp: 282466

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.8

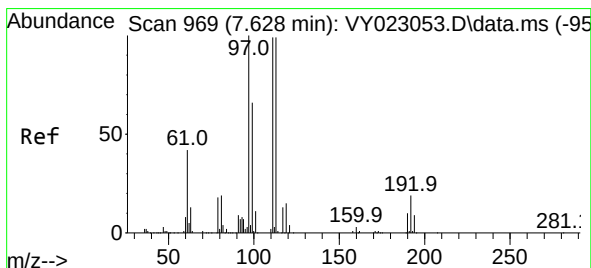
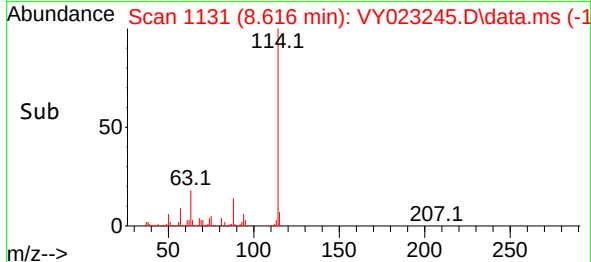
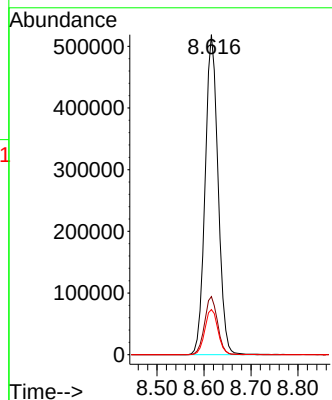
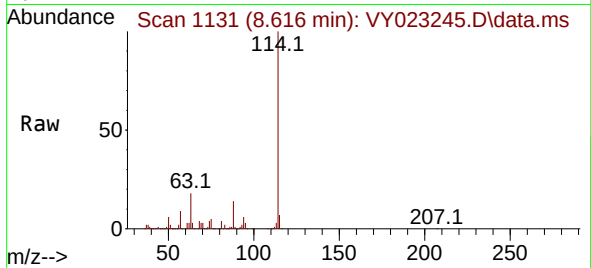




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023245.D
Acq: 29 Aug 2025 14:18

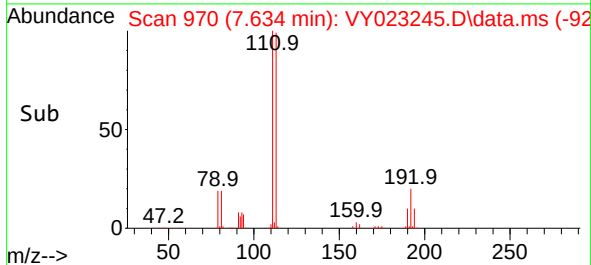
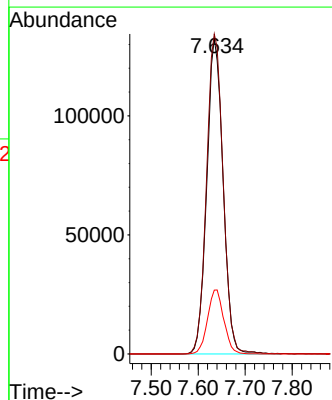
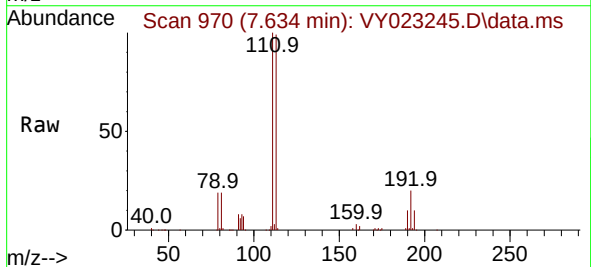
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-TP-3

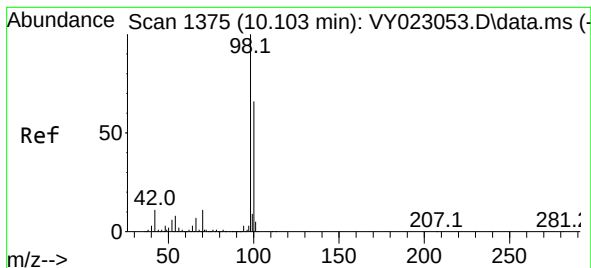
Tgt Ion:114 Resp: 988166
Ion Ratio Lower Upper
114 100
63 18.1 0.0 38.4
88 14.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 53.857 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023245.D
Acq: 29 Aug 2025 14:18

Tgt Ion:113 Resp: 318449
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 20.3 16.2 24.4

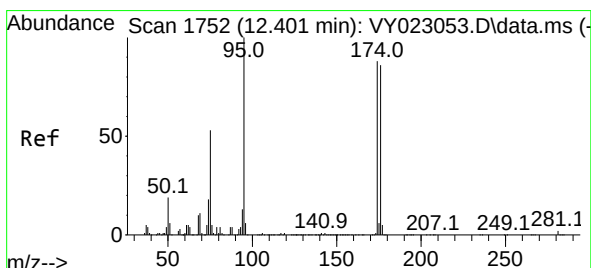
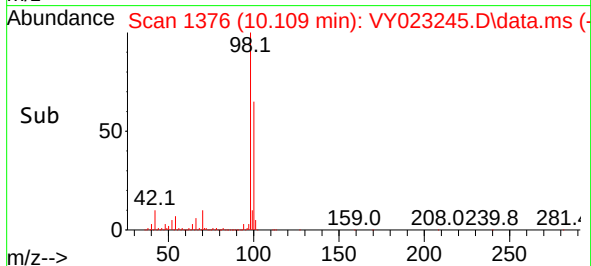
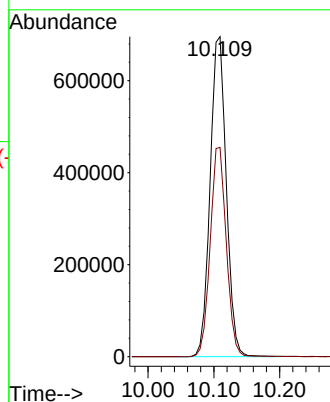
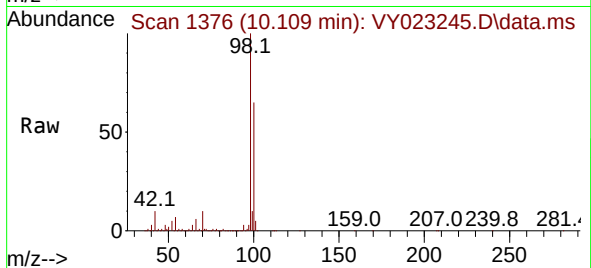




#50
Toluene-d8
Concen: 51.519 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023245.D
Acq: 29 Aug 2025 14:18

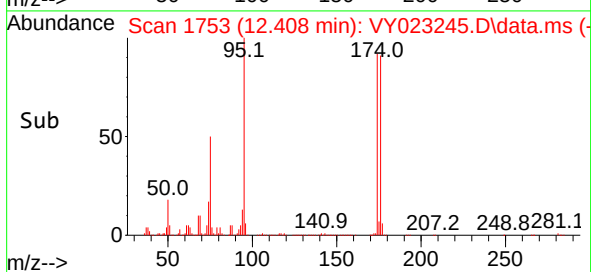
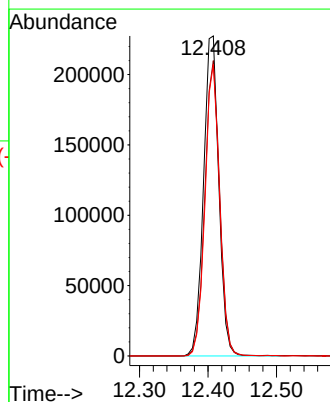
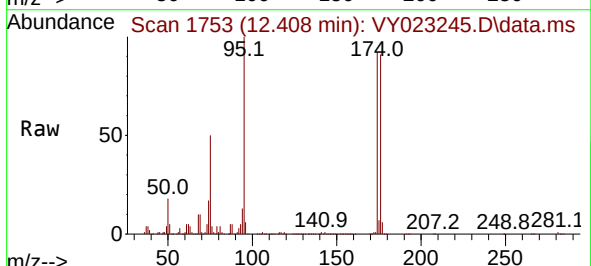
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-TP-3

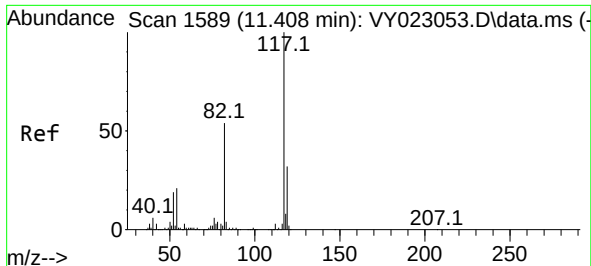
Tgt Ion: 98 Resp: 1190041
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 47.452 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023245.D
Acq: 29 Aug 2025 14:18

Tgt Ion: 95 Resp: 352504
Ion Ratio Lower Upper
95 100
174 90.3 0.0 171.6
176 87.4 0.0 167.6

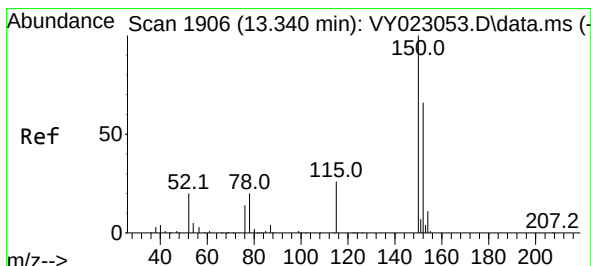
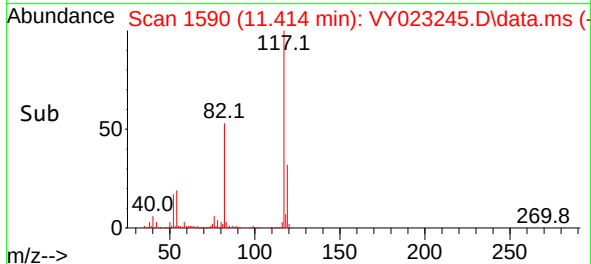
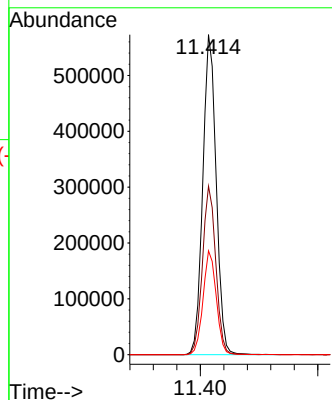
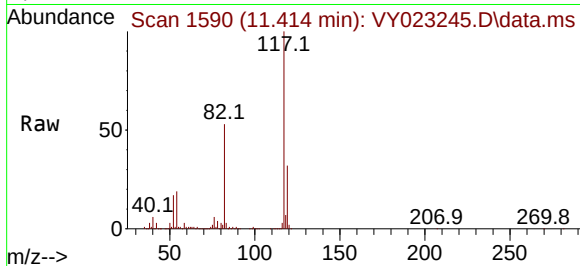




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023245.D
Acq: 29 Aug 2025 14:18

Instrument :
MSVOA_Y
ClientSampleId :
NORTH-TP-3

Tgt Ion:117 Resp: 907933
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.0
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023245.D
Acq: 29 Aug 2025 14:18

Tgt Ion:152 Resp: 370766
Ion Ratio Lower Upper
152 100
115 56.1 28.2 84.6
150 158.8 0.0 348.0

