

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120925\
 Data File : VY023899.D
 Acq On : 09 Dec 2025 10:57
 Operator : SY/MD
 Sample : VY1209SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1209SBL01

Quant Time: Dec 10 04:46:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.726	168	883793	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	1456240	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.426	117	1187327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	467482	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	390320	44.148	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.300%
35) Dibromofluoromethane	7.652	113	450483	48.232	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.460%
50) Toluene-d8	10.121	98	1627020	44.766	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.540%
62) 4-Bromofluorobenzene	12.414	95	463141	37.360	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.720%

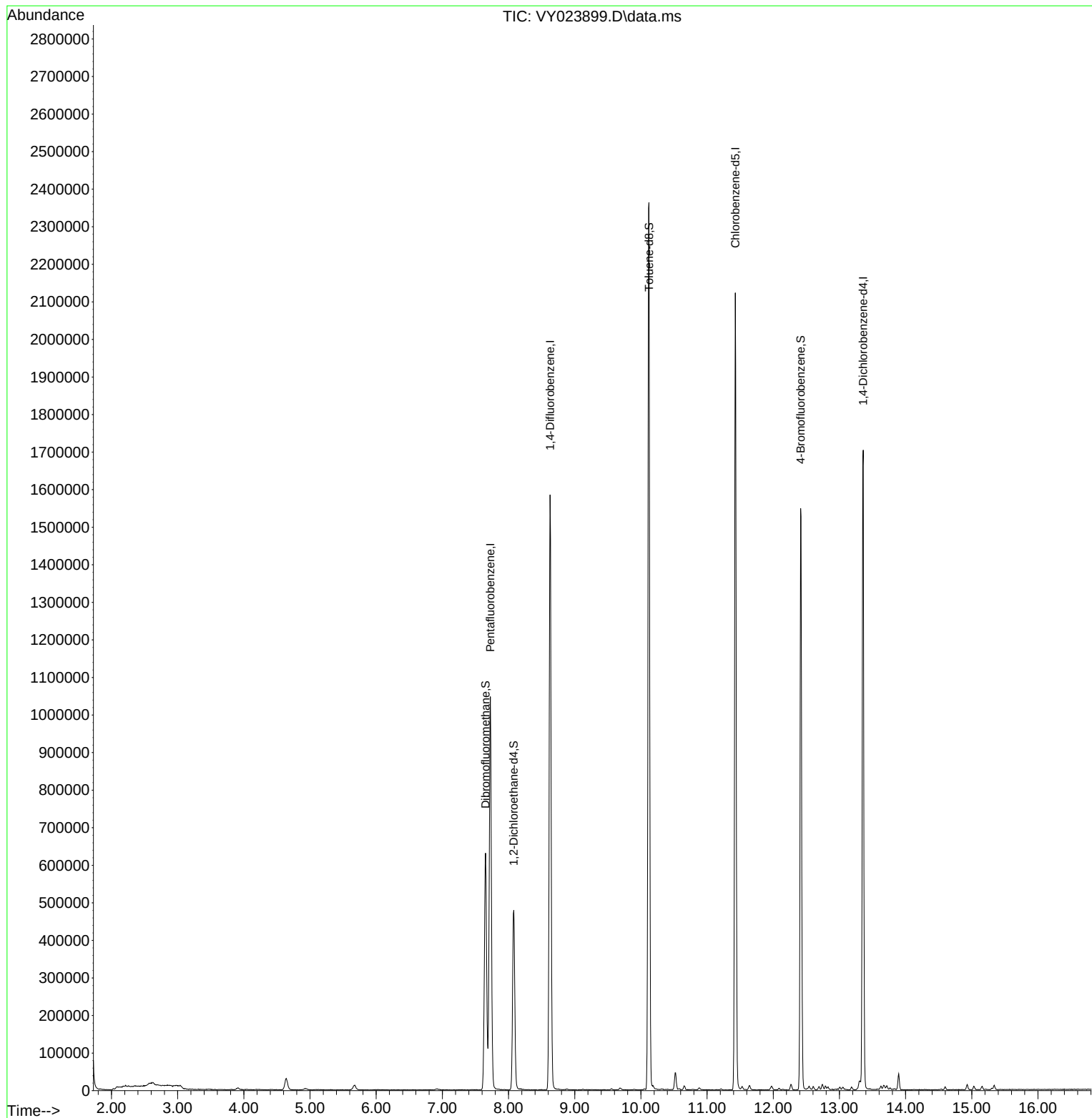
Target Compounds	Qvalue

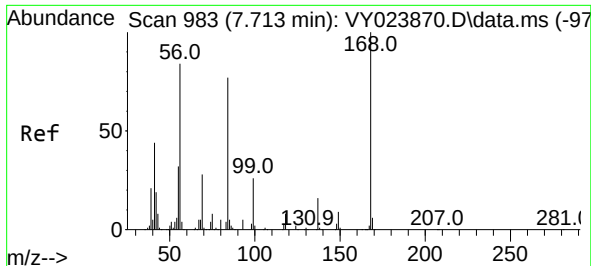
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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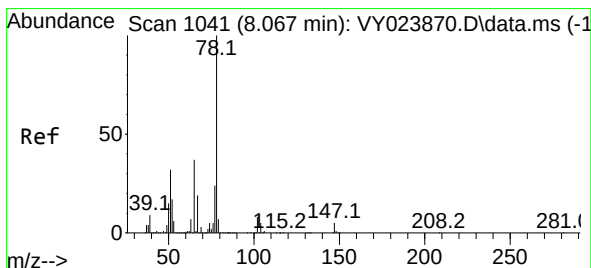
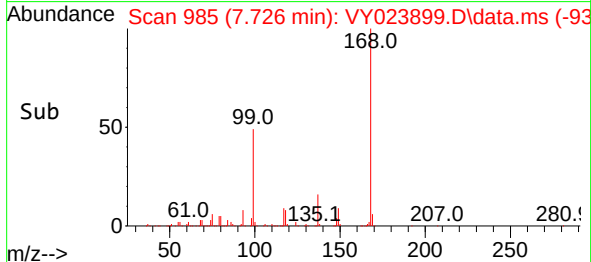
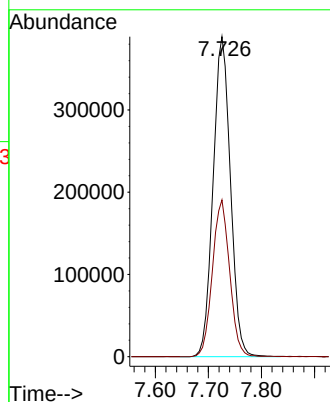
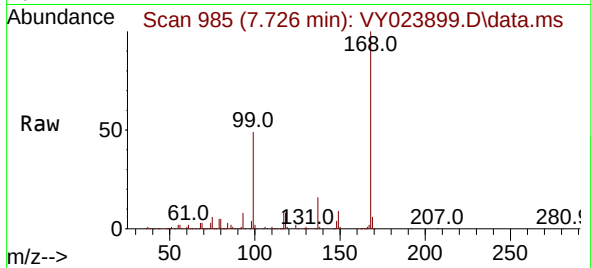




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.726 min Scan# 91
Delta R.T. 0.013 min
Lab File: VY023899.D
Acq: 09 Dec 2025 10:57

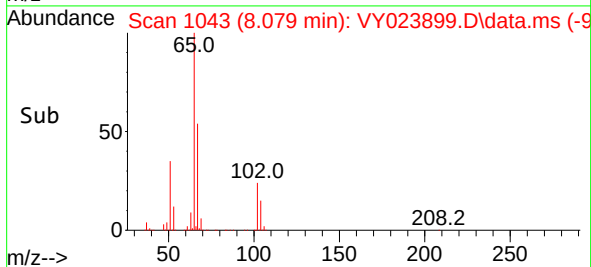
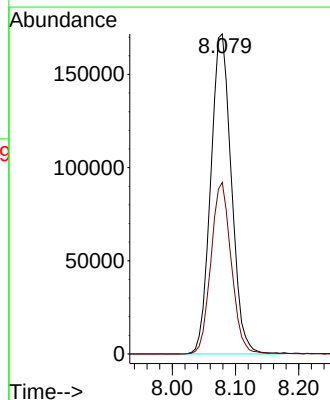
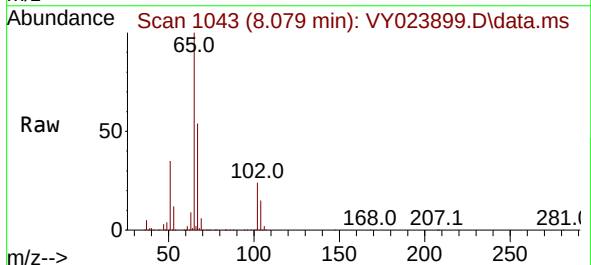
Instrument :
MSVOA_Y
ClientSampleId :
VY1209SBL01

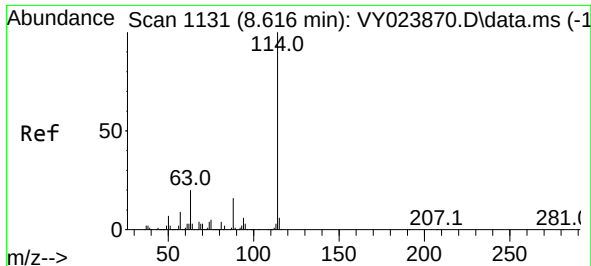
Tgt Ion:168 Resp: 883793
Ion Ratio Lower Upper
168 100
99 49.0 42.5 63.7



#33
1,2-Dichloroethane-d4
Concen: 44.148 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VY023899.D
Acq: 09 Dec 2025 10:57

Tgt Ion: 65 Resp: 390320
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.2

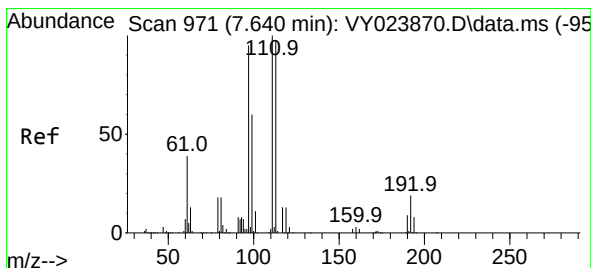
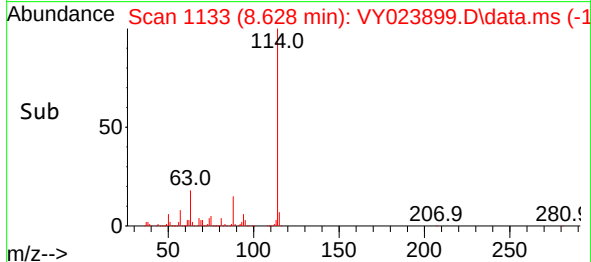
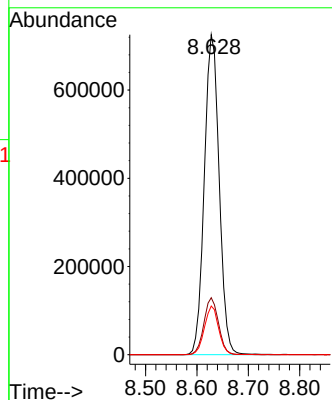
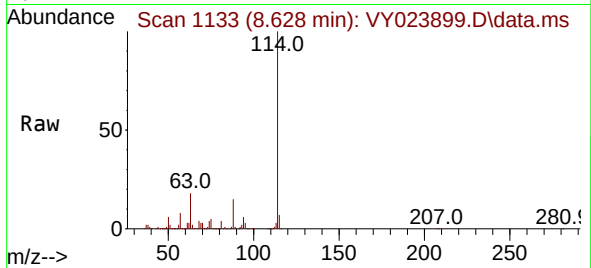




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1131
Delta R.T. 0.012 min
Lab File: VY023899.D
Acq: 09 Dec 2025 10:57

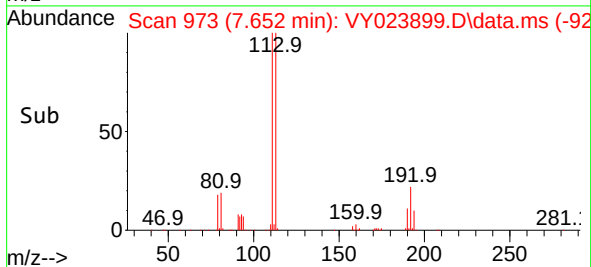
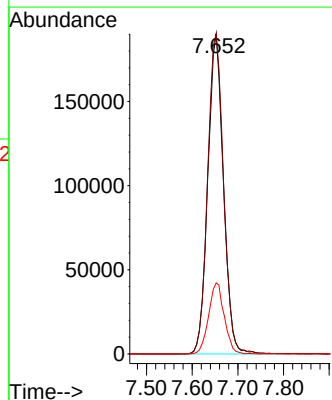
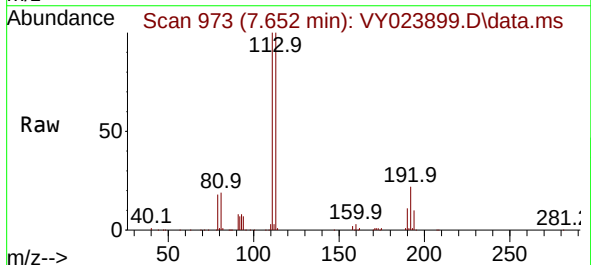
Instrument :
MSVOA_Y
ClientSampleId :
VY1209SBL01

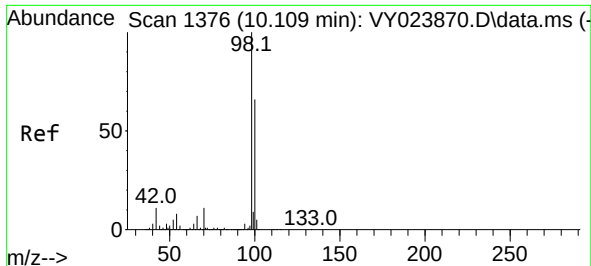
Tgt Ion:114 Resp: 1456240
Ion Ratio Lower Upper
114 100
63 17.8 0.0 39.2
88 15.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 48.232 ug/l
RT: 7.652 min Scan# 973
Delta R.T. 0.012 min
Lab File: VY023899.D
Acq: 09 Dec 2025 10:57

Tgt Ion:113 Resp: 450483
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 22.3 15.8 23.8

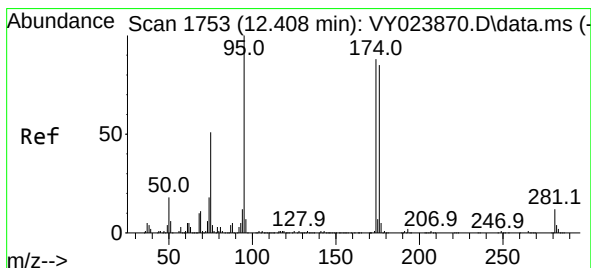
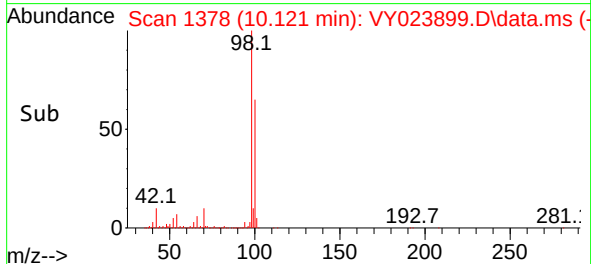
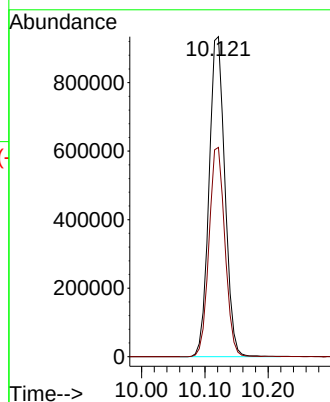
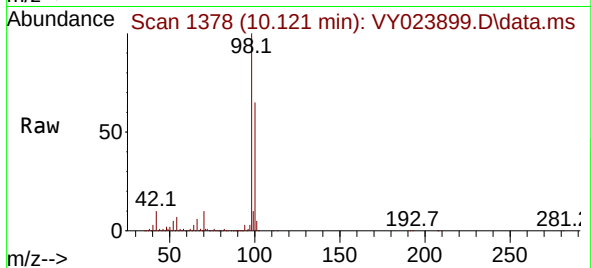




#50
Toluene-d8
Concen: 44.766 ug/l
RT: 10.121 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY023899.D
Acq: 09 Dec 2025 10:57

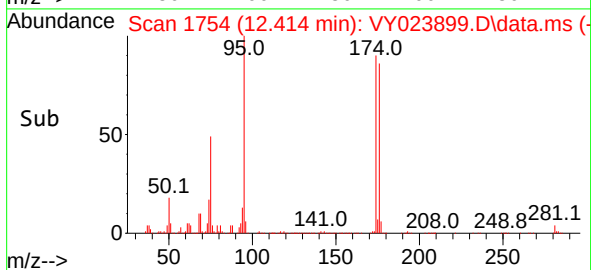
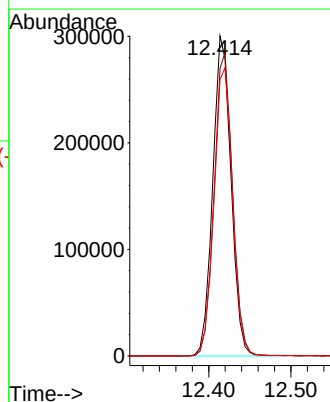
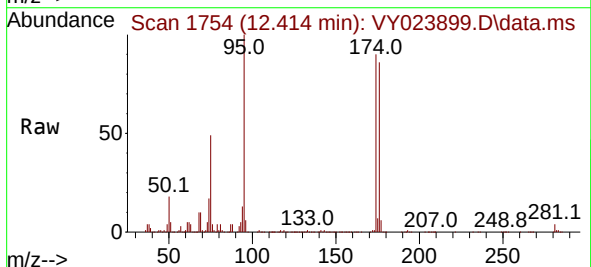
Instrument :
MSVOA_Y
ClientSampleId :
VY1209SBL01

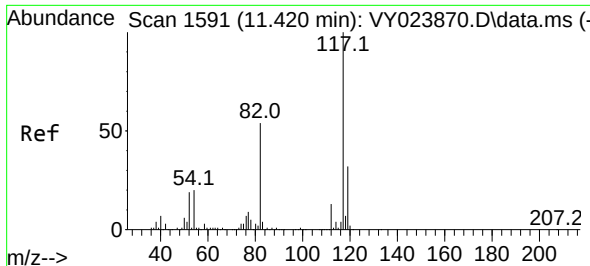
Tgt Ion: 98 Resp: 1627020
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 37.360 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023899.D
Acq: 09 Dec 2025 10:57

Tgt Ion: 95 Resp: 463141
Ion Ratio Lower Upper
95 100
174 95.8 0.0 169.6
176 91.9 0.0 164.4

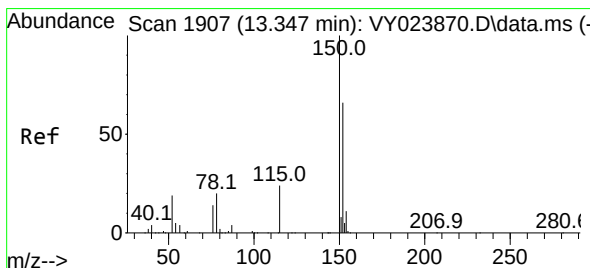
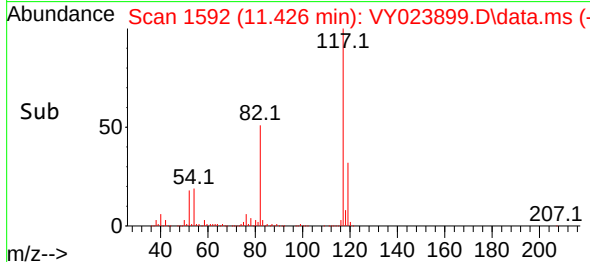
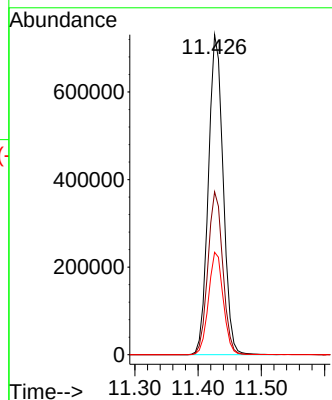
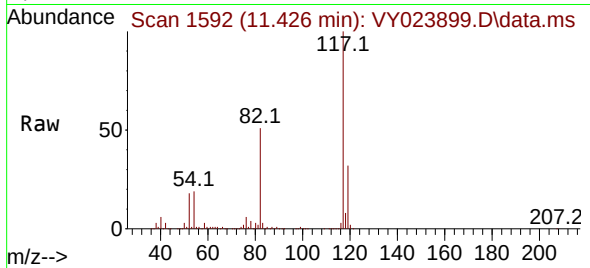




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023899.D
Acq: 09 Dec 2025 10:57

Instrument :
MSVOA_Y
ClientSampleId :
VY1209SBL01

Tgt Ion:117 Resp: 1187327
Ion Ratio Lower Upper
117 100
82 50.9 43.1 64.7
119 32.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.012 min
Lab File: VY023899.D
Acq: 09 Dec 2025 10:57

Tgt Ion:152 Resp: 467482
Ion Ratio Lower Upper
152 100
115 54.8 28.8 86.4
150 156.3 0.0 352.2

