

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023496.D
 Acq On : 20 Oct 2025 09:37
 Operator : SY/MD
 Sample : VY1020SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1020SBL01

Quant Time: Oct 21 03:54:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	824447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1344685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1118365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	444219	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	342584	49.692	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.380%
35) Dibromofluoromethane	7.640	113	424251	51.347	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.700%
50) Toluene-d8	10.109	98	1507991	49.008	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.020%
62) 4-Bromofluorobenzene	12.408	95	412361	40.592	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.180%

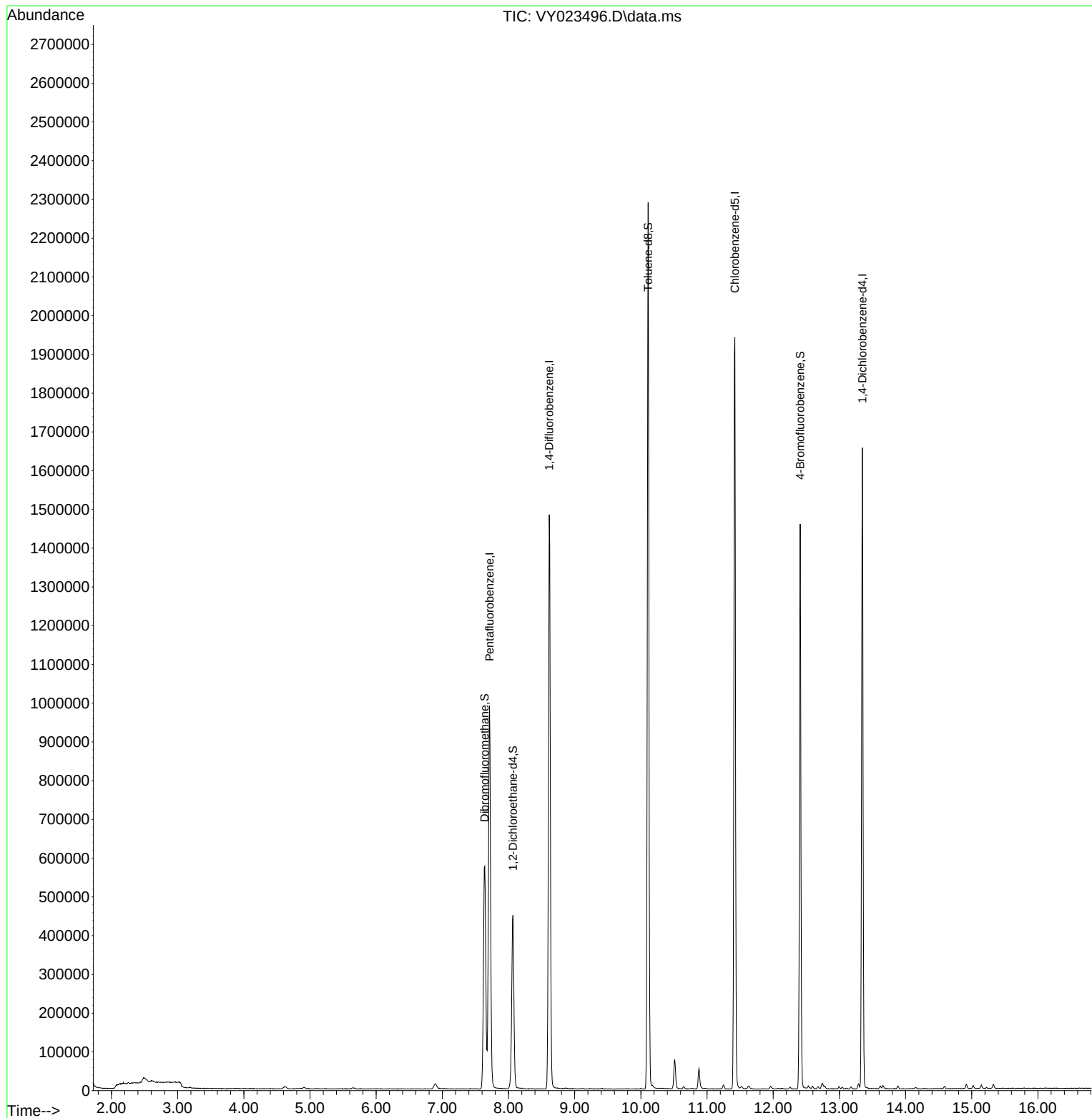
Target Compounds	Qvalue

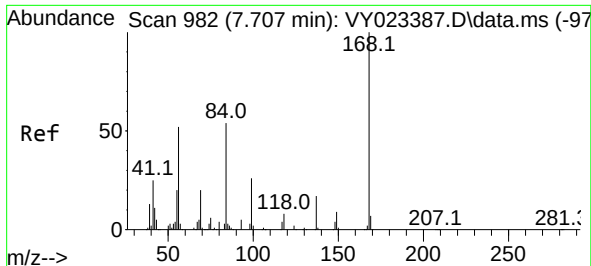
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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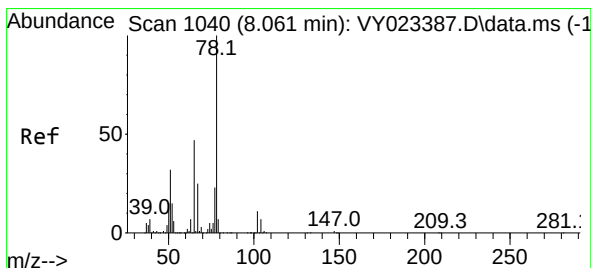
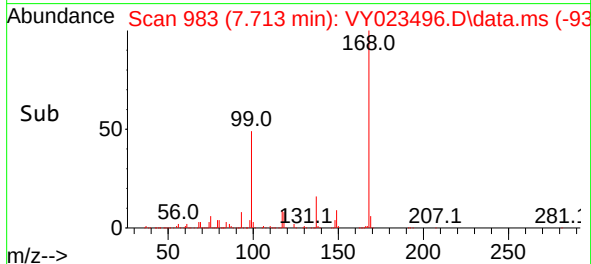
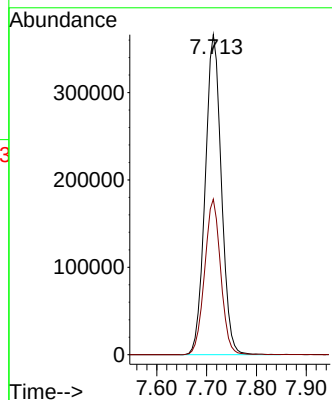
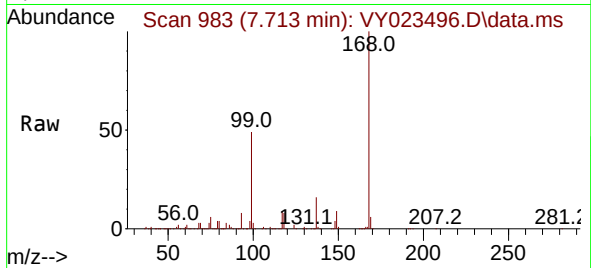




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023496.D
Acq: 20 Oct 2025 09:37

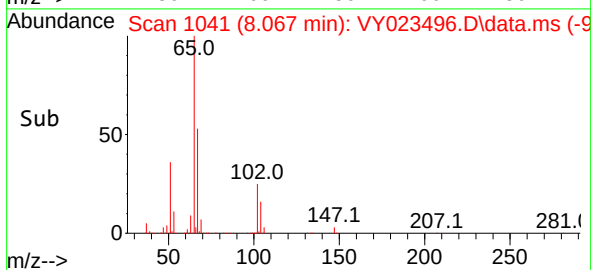
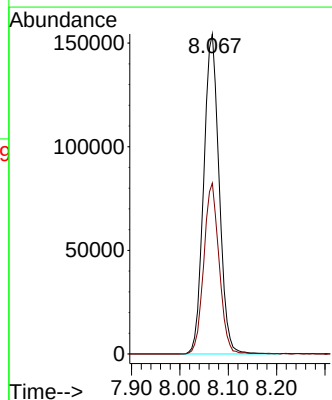
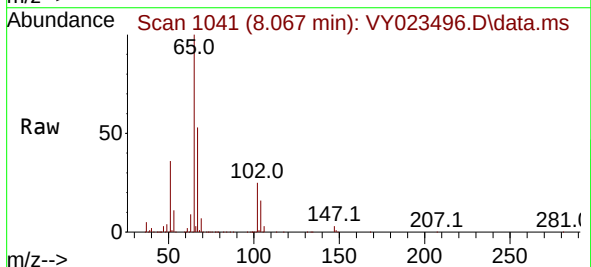
Instrument :
MSVOA_Y
ClientSampleId :
VY1020SBL01

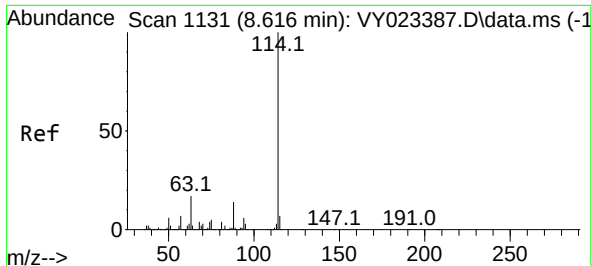
Tgt Ion:168 Resp: 824447
Ion Ratio Lower Upper
168 100
99 48.6 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 49.692 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023496.D
Acq: 20 Oct 2025 09:37

Tgt Ion: 65 Resp: 342584
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8

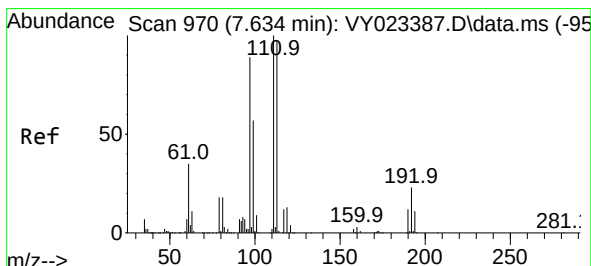
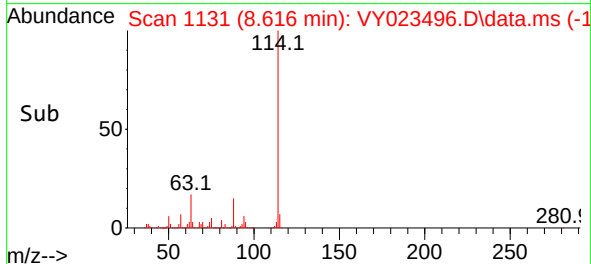
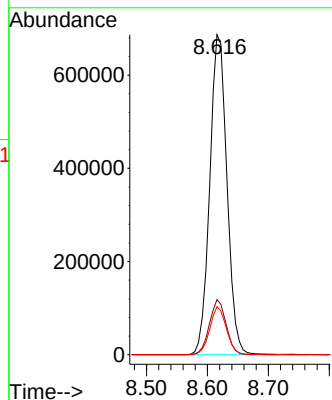
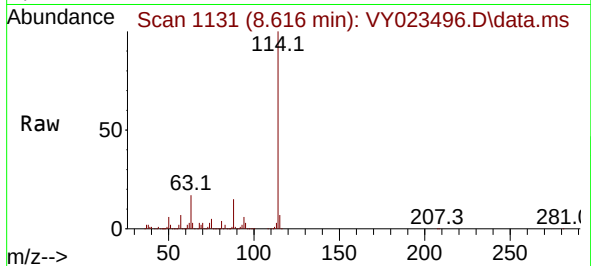




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023496.D
Acq: 20 Oct 2025 09:37

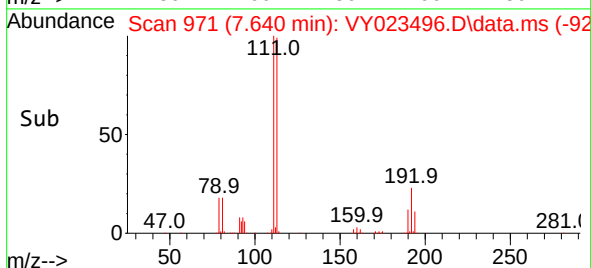
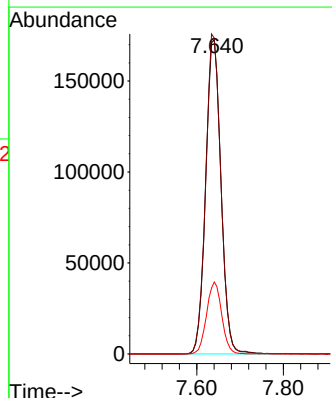
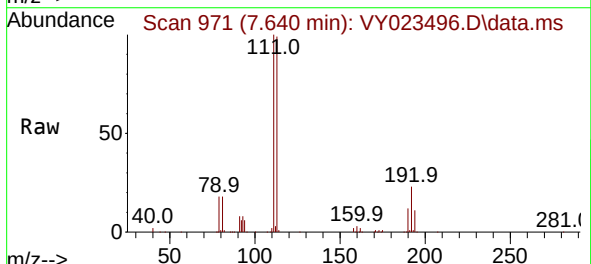
Instrument :
MSVOA_Y
ClientSampleId :
VY1020SBL01

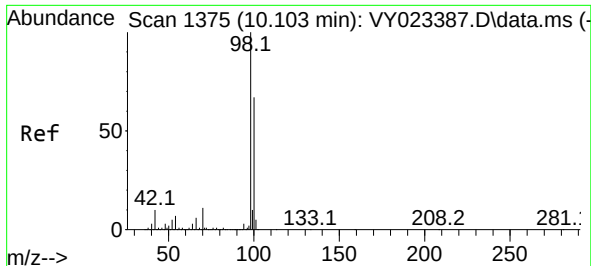
Tgt Ion:114 Resp: 1344685
Ion Ratio Lower Upper
114 100
63 17.2 0.0 34.2
88 15.0 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.347 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023496.D
Acq: 20 Oct 2025 09:37

Tgt Ion:113 Resp: 424251
Ion Ratio Lower Upper
113 100
111 100.9 81.8 122.6
192 22.6 18.0 27.0

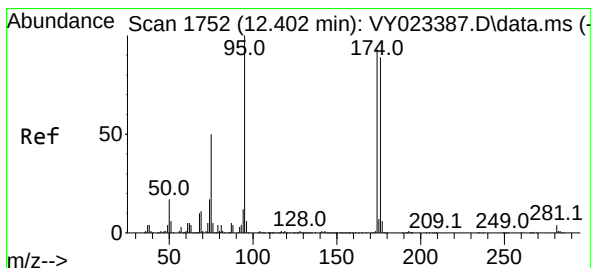
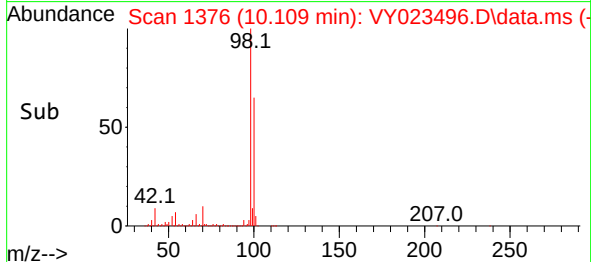
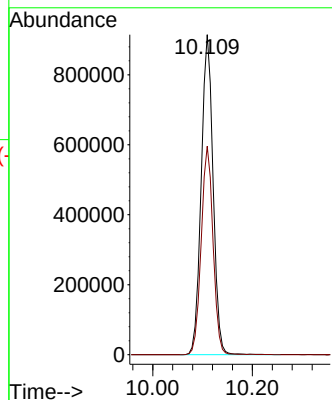
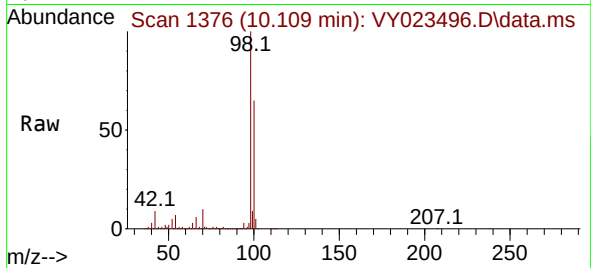




#50
Toluene-d8
Concen: 49.008 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023496.D
Acq: 20 Oct 2025 09:37

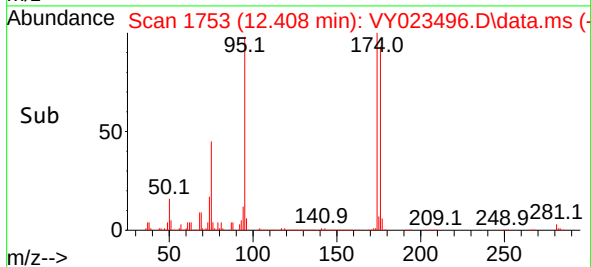
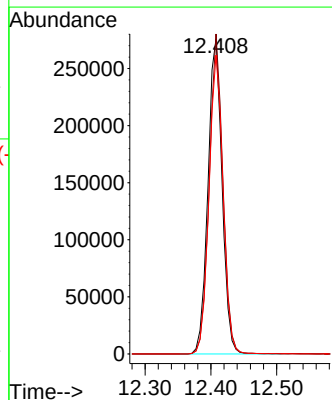
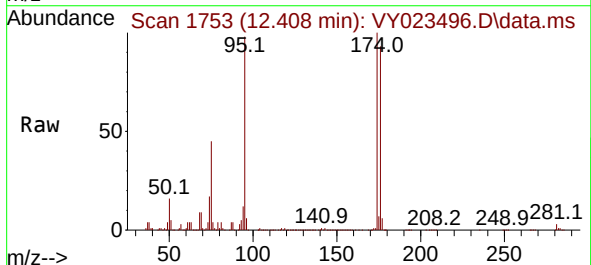
Instrument :
MSVOA_Y
ClientSampleId :
VY1020SBL01

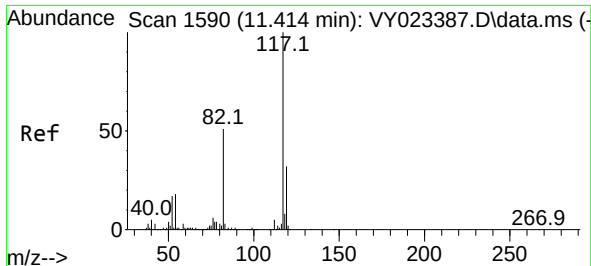
Tgt Ion: 98 Resp: 1507991
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 40.592 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023496.D
Acq: 20 Oct 2025 09:37

Tgt Ion: 95 Resp: 412361
Ion Ratio Lower Upper
95 100
174 98.7 0.0 192.8
176 94.5 0.0 187.6

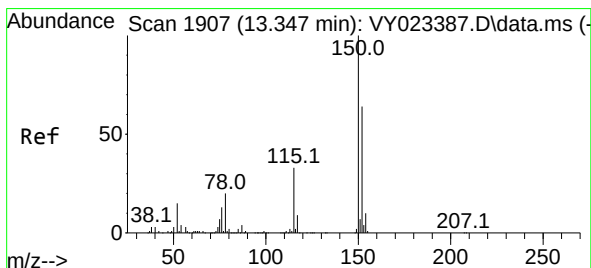
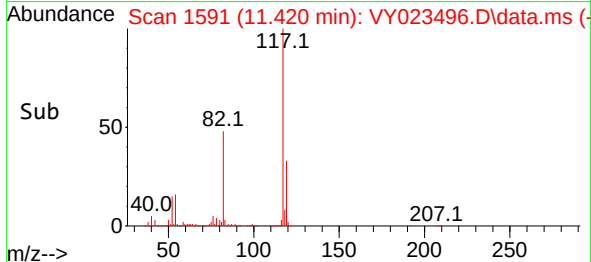
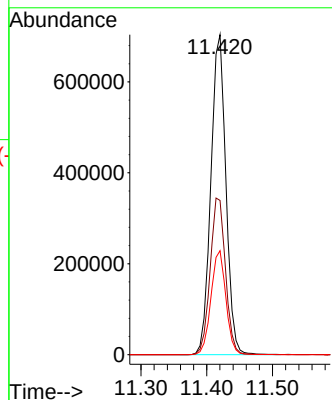
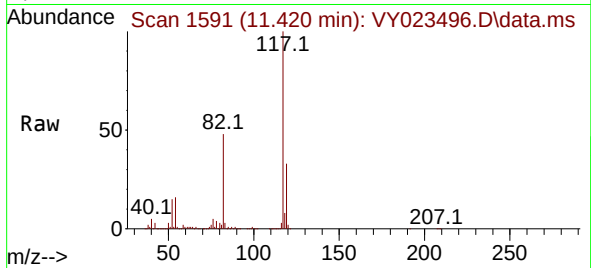




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023496.D
Acq: 20 Oct 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY1020SBL01

Tgt Ion:117 Resp: 1118365
Ion Ratio Lower Upper
117 100
82 48.2 41.0 61.4
119 32.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023496.D
Acq: 20 Oct 2025 09:37

Tgt Ion:152 Resp: 444219
Ion Ratio Lower Upper
152 100
115 54.1 27.1 81.2
150 156.7 0.0 347.4

