

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023741.D
 Acq On : 11 Nov 2025 15:37
 Operator : SY/MD
 Sample : Q3581-07
 Misc : 5.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200059

Quant Time: Nov 12 03:38:16 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	822650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1385263	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1175350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	499406	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	372167	54.101	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.200%
35) Dibromofluoromethane	7.640	113	434695	51.070	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.140%
50) Toluene-d8	10.109	98	1550030	48.899	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.800%
62) 4-Bromofluorobenzene	12.408	95	459527	43.910	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.820%

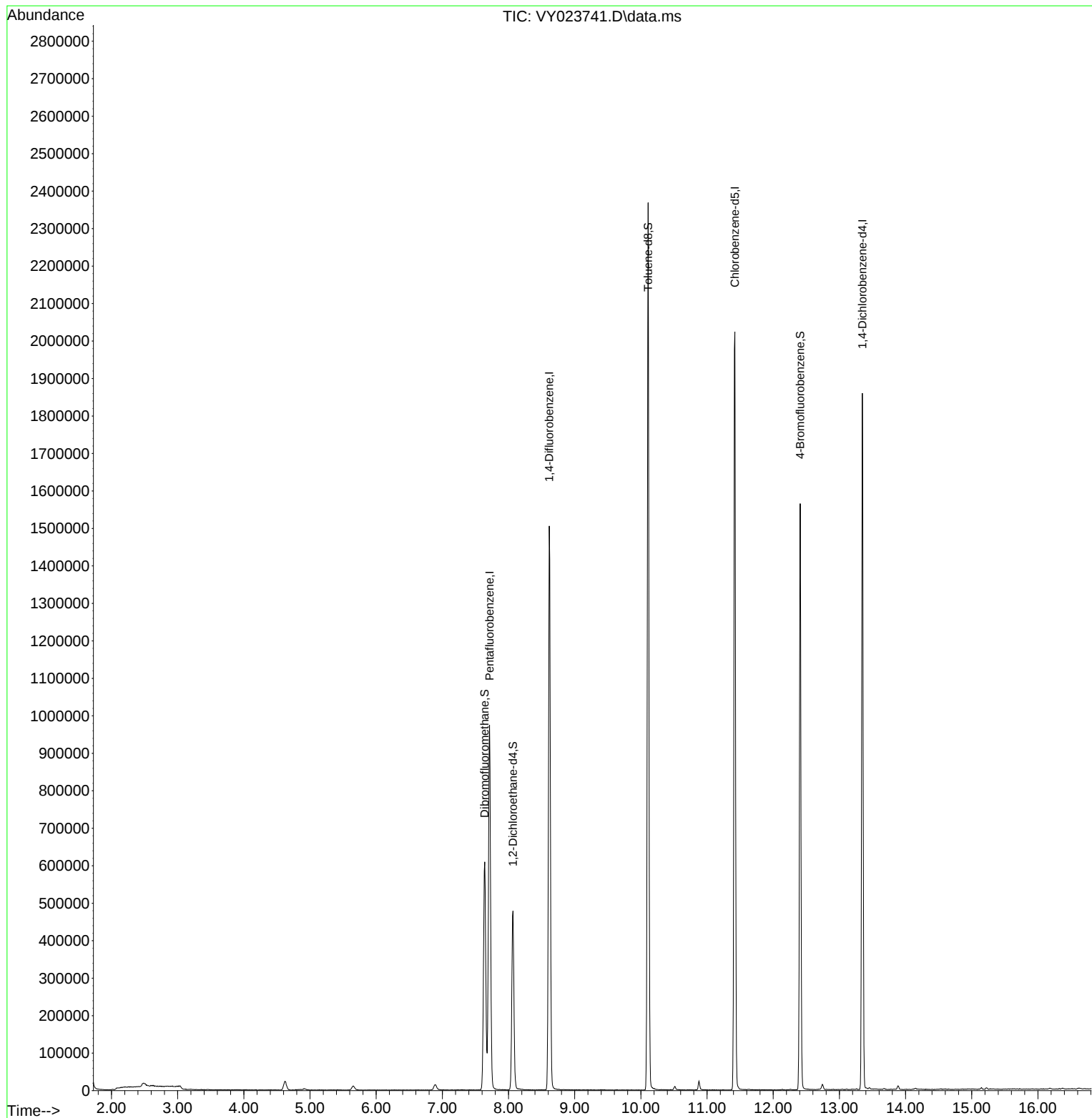
Target Compounds	Qvalue

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

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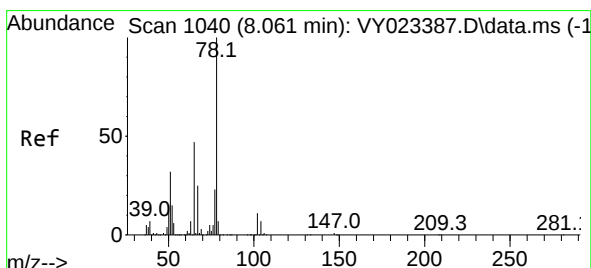
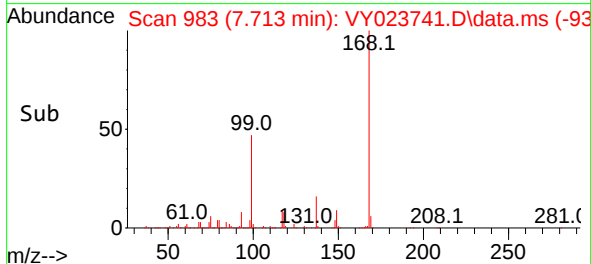
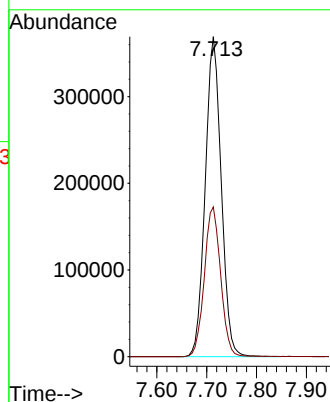
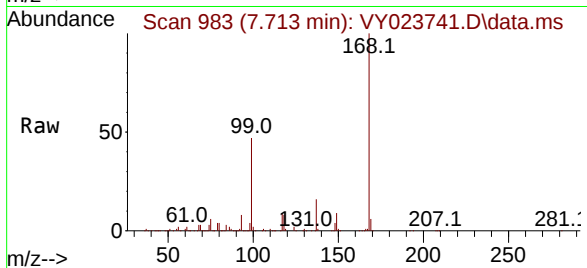




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023741.D
Acq: 11 Nov 2025 15:37

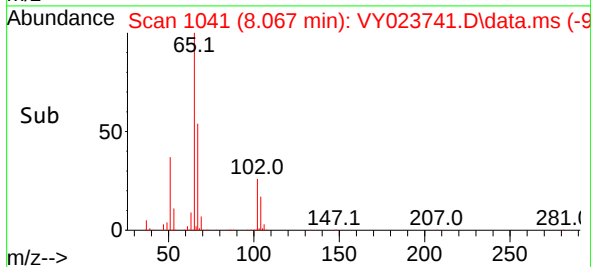
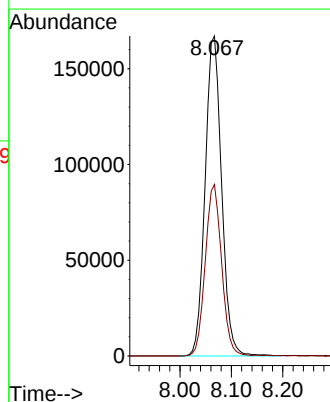
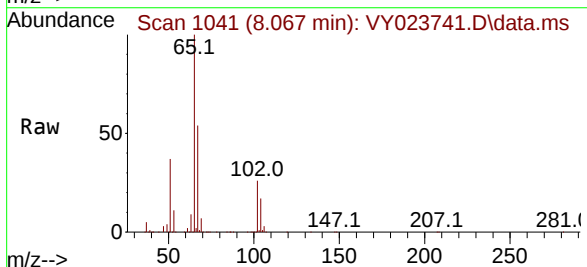
Instrument :
MSVOA_Y
ClientSampleId :
RBR200059

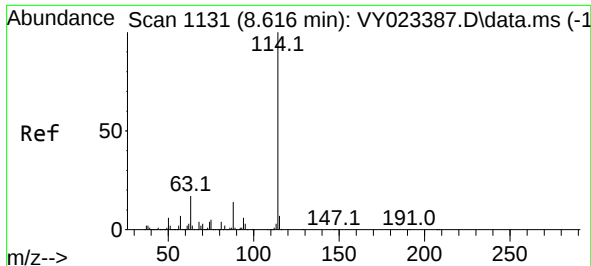
Tgt Ion:168 Resp: 822650
Ion Ratio Lower Upper
168 100
99 46.8 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 54.101 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023741.D
Acq: 11 Nov 2025 15:37

Tgt Ion: 65 Resp: 372167
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8

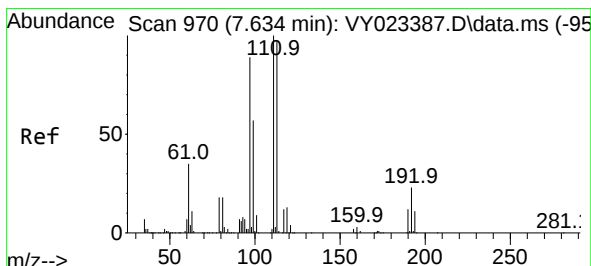
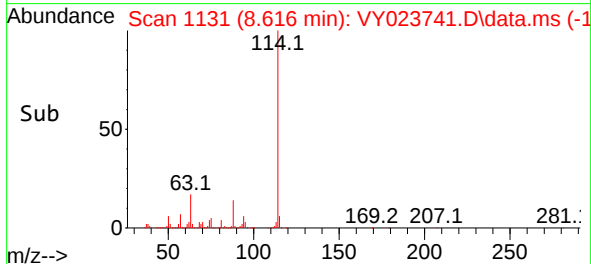
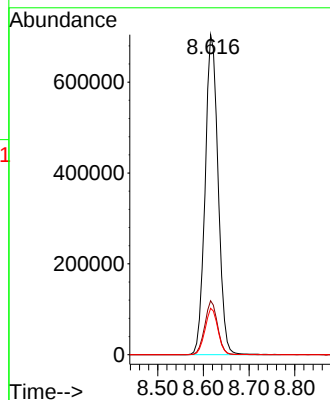
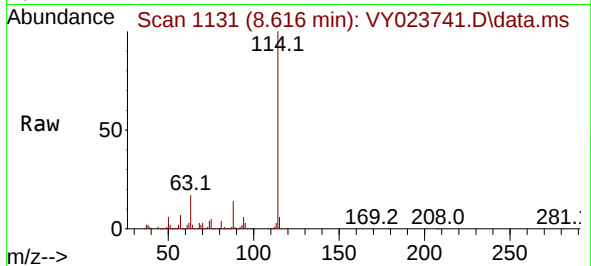




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023741.D
Acq: 11 Nov 2025 15:37

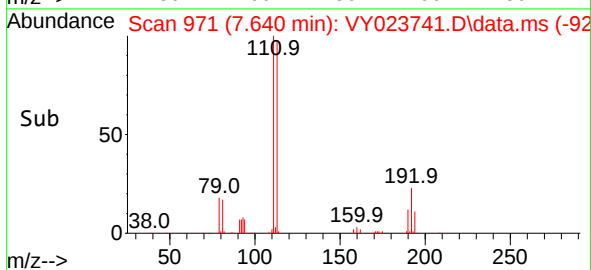
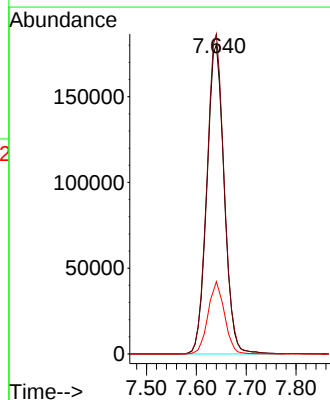
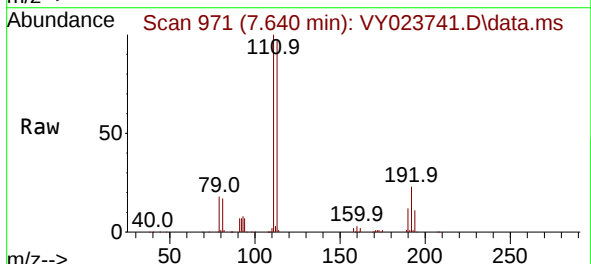
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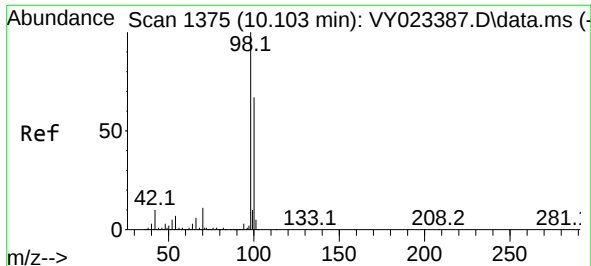
Tgt Ion:114 Resp: 1385263
Ion Ratio Lower Upper
114 100
63 16.9 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.070 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023741.D
Acq: 11 Nov 2025 15:37

Tgt Ion:113 Resp: 434695
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.6
192 22.3 18.0 27.0

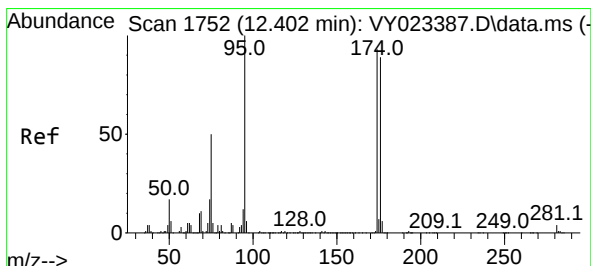
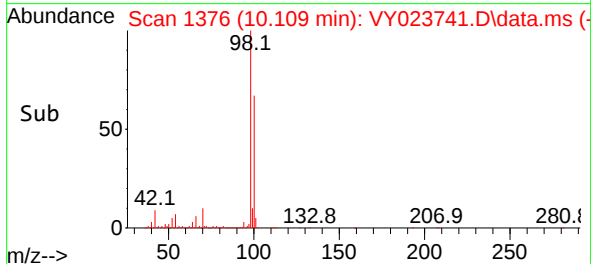
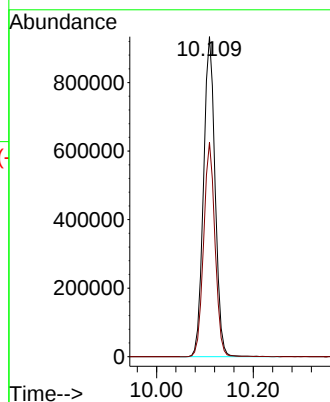
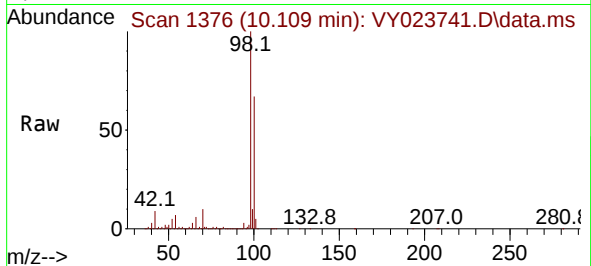




#50
Toluene-d8
Concen: 48.899 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023741.D
Acq: 11 Nov 2025 15:37

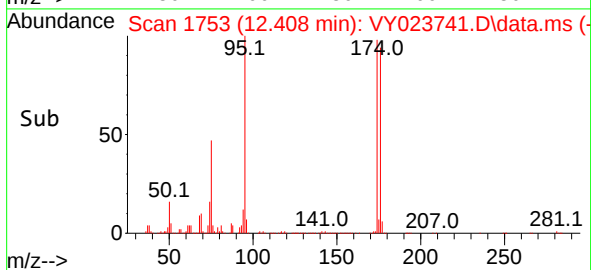
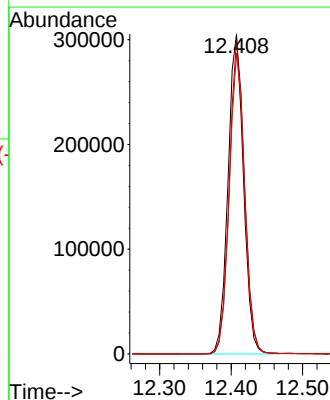
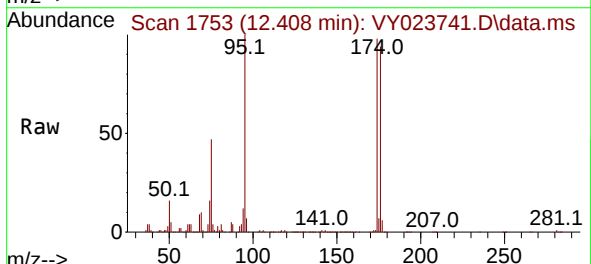
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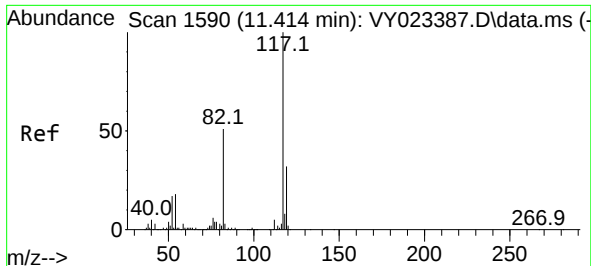
Tgt Ion: 98 Resp: 1550030
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 43.910 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023741.D
Acq: 11 Nov 2025 15:37

Tgt Ion: 95 Resp: 459527
Ion Ratio Lower Upper
95 100
174 97.2 0.0 192.8
176 93.2 0.0 187.6

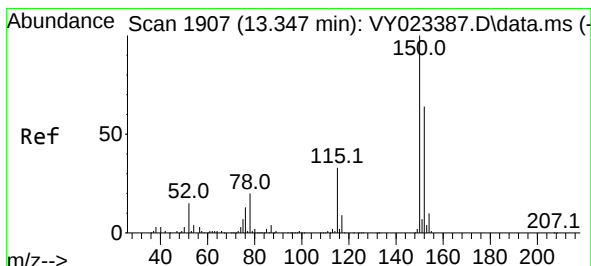
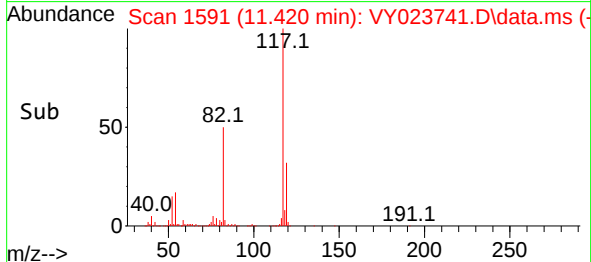
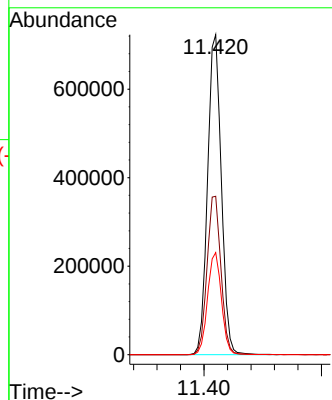
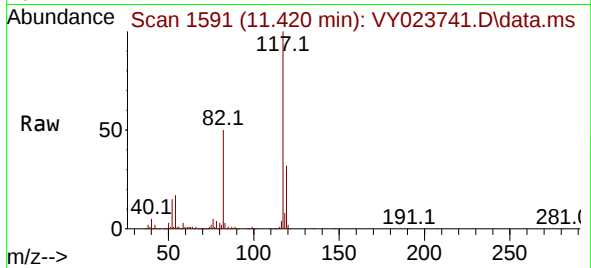




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1175350
Delta R.T. 0.006 min
Lab File: VY023741.D
Acq: 11 Nov 2025 15:37

Instrument :
MSVOA_Y
ClientSampleId :
RBR200059

Tgt Ion:117 Resp: 1175350
Ion Ratio Lower Upper
117 100
82 49.5 41.0 61.4
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023741.D
Acq: 11 Nov 2025 15:37

Tgt Ion:152 Resp: 499406
Ion Ratio Lower Upper
152 100
115 54.6 27.1 81.2
150 156.4 0.0 347.4

