

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023748.D
 Acq On : 11 Nov 2025 18:21
 Operator : SY/MD
 Sample : Q3601-19
 Misc : 3.96g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5-VOC

Quant Time: Nov 12 03:40:46 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	768638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1288378	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1070383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	421732	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	328729	51.144	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.280%
35) Dibromofluoromethane	7.634	113	400769	50.625	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.240%
50) Toluene-d8	10.109	98	1432295	48.582	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.160%
62) 4-Bromofluorobenzene	12.408	95	404947	41.604	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.200%

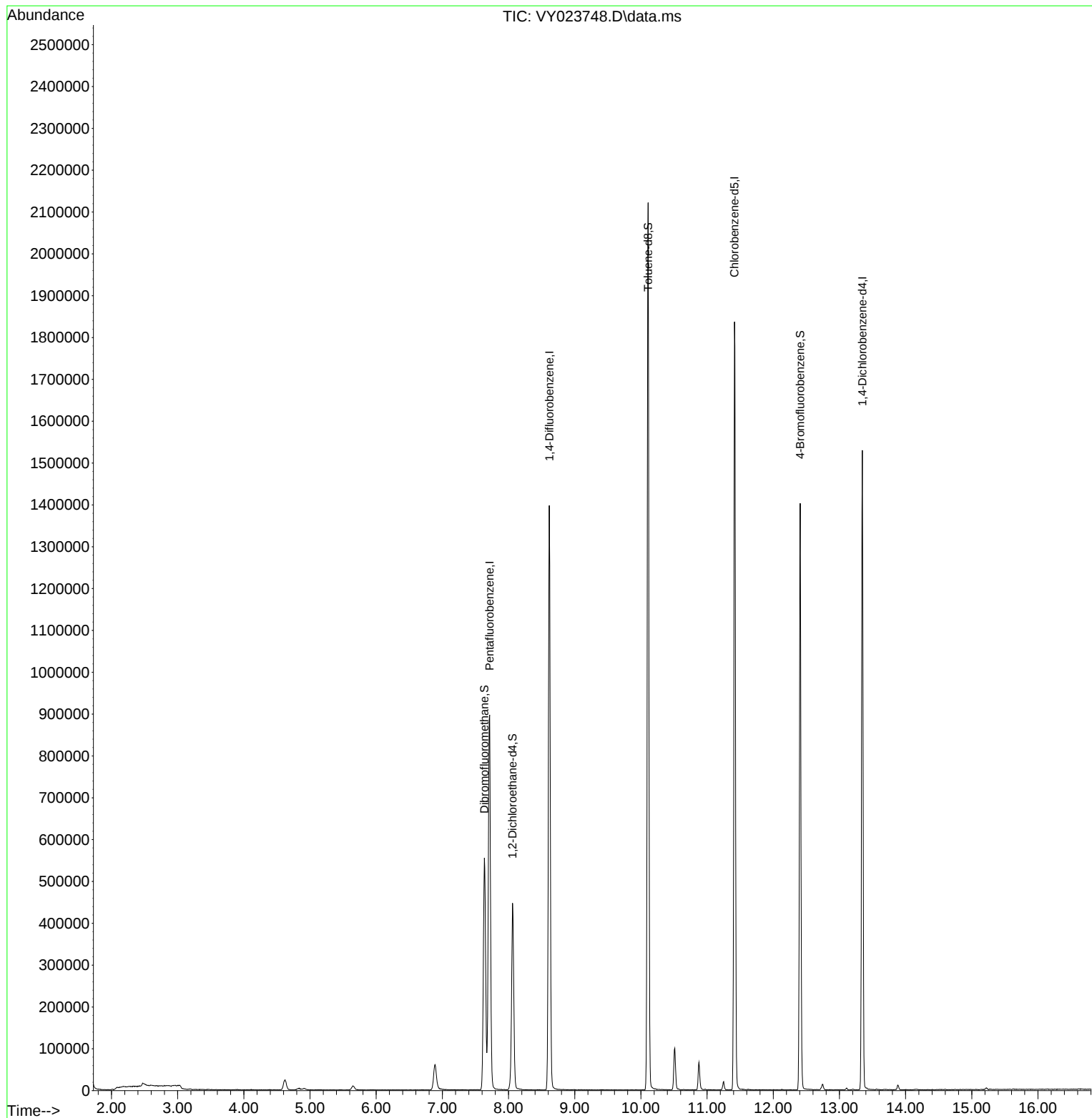
Target Compounds	Qvalue

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

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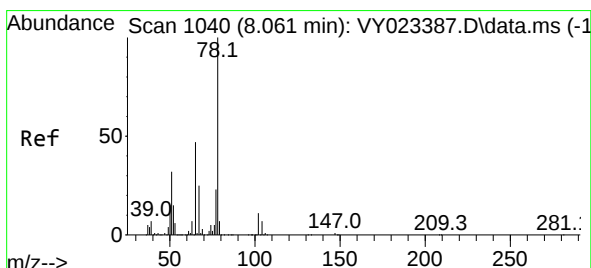
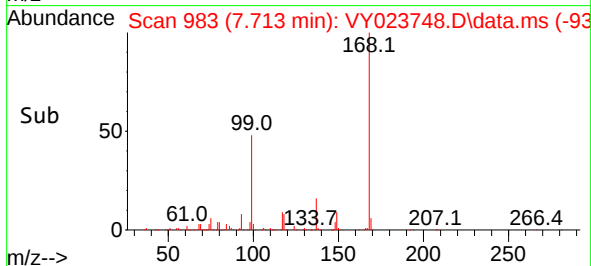
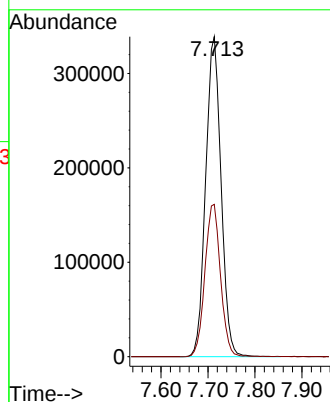
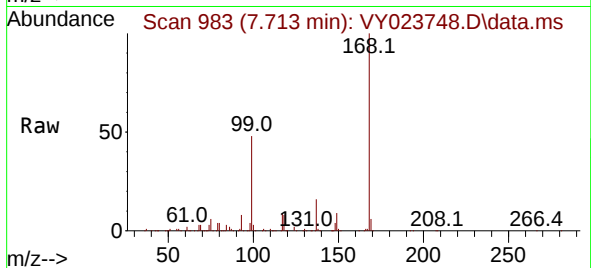




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

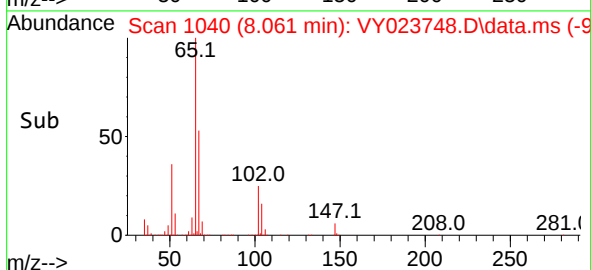
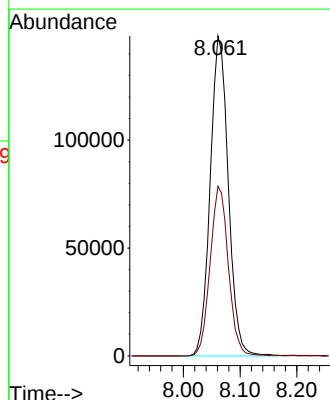
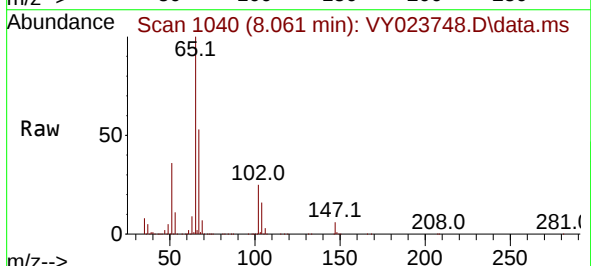
Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

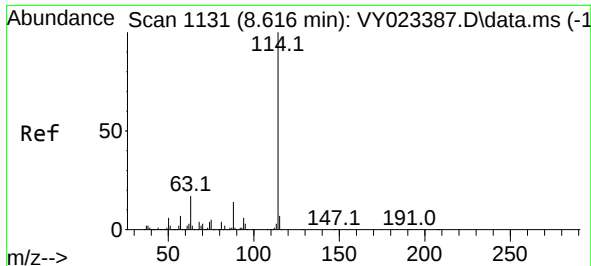
Tgt Ion:168 Resp: 768638
Ion Ratio Lower Upper
168 100
99 47.6 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 51.144 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

Tgt Ion: 65 Resp: 328729
Ion Ratio Lower Upper
65 100
67 53.3 0.0 105.8

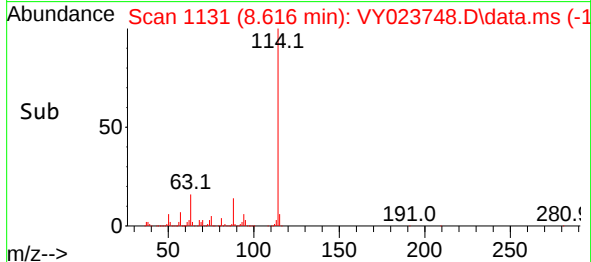
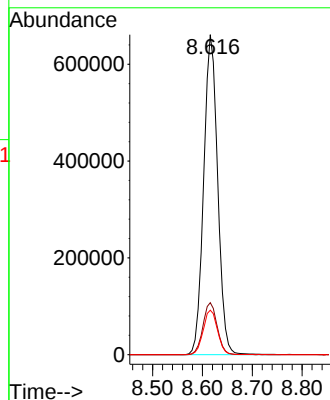
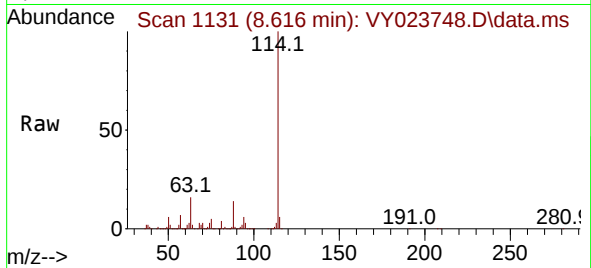




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

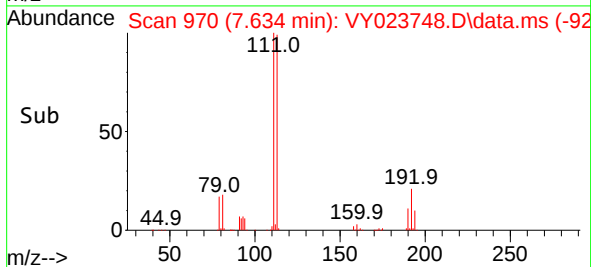
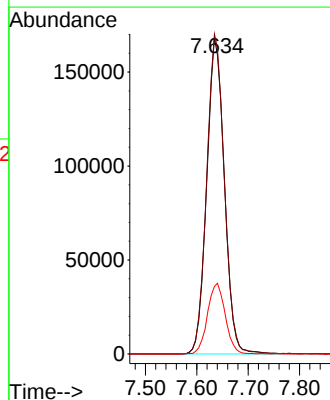
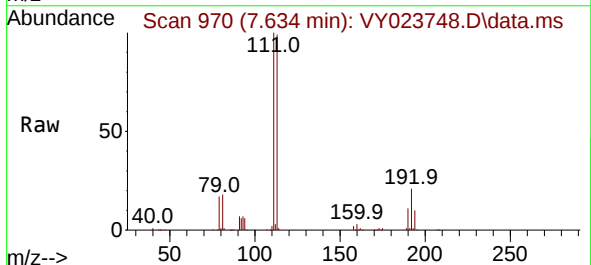
Instrument :
MSVOA_Y
ClientSampleId :
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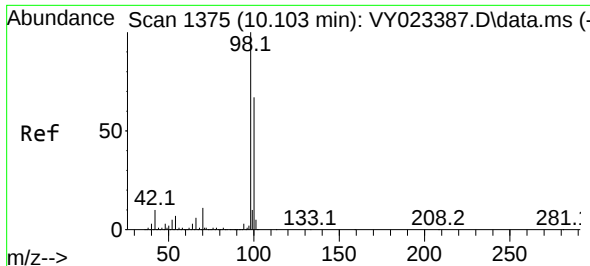
Tgt Ion:114 Resp: 1288378
Ion Ratio Lower Upper
114 100
63 16.2 0.0 34.2
88 13.9 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.625 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

Tgt Ion:113 Resp: 400769
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.6
192 22.5 18.0 27.0

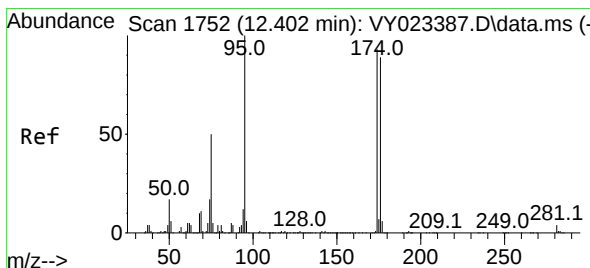
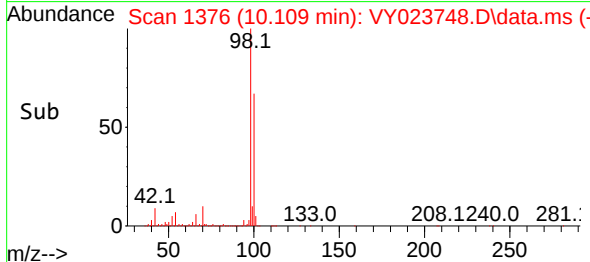
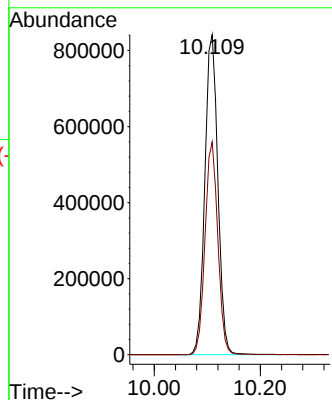
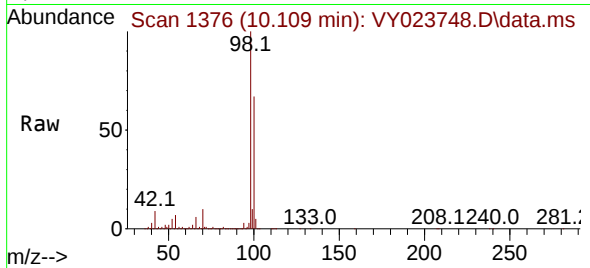




#50
Toluene-d8
Concen: 48.582 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

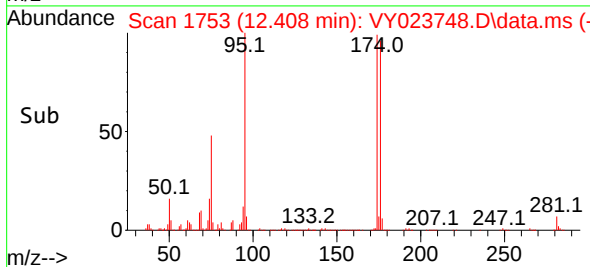
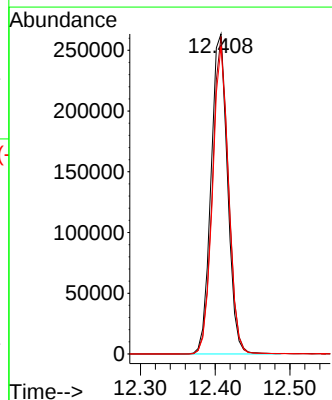
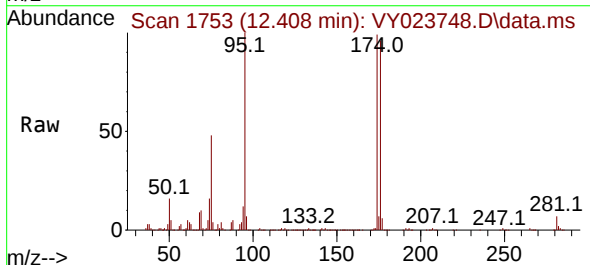
Instrument :
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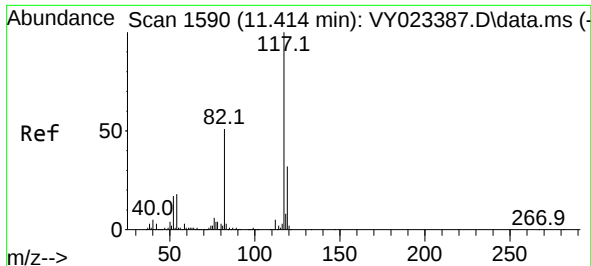
Tgt Ion: 98 Resp: 1432295
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 41.604 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

Tgt Ion: 95 Resp: 404947
Ion Ratio Lower Upper
95 100
174 96.1 0.0 192.8
176 92.8 0.0 187.6

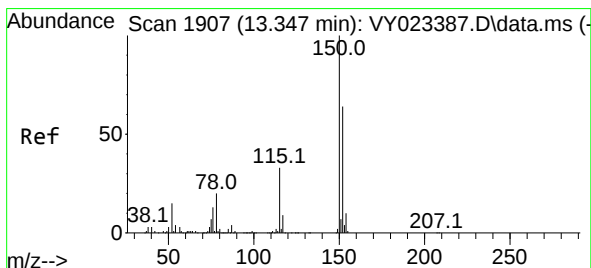
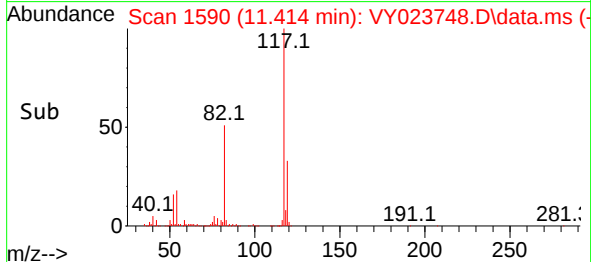
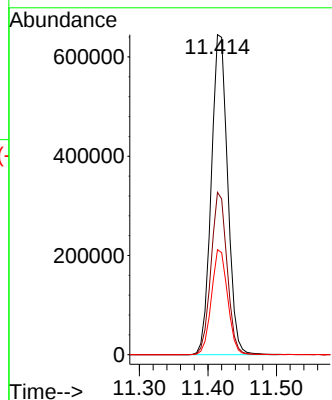
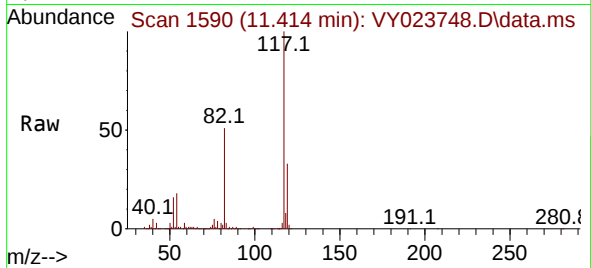




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023748.D
Acq: 11 Nov 2025 18:21

Instrument :
MSVOA_Y
ClientSampleId :
TP-5-VOC

Tgt Ion:117 Resp: 1070383
Ion Ratio Lower Upper
117 100
82 50.7 41.0 61.4
119 32.8 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: VY023748.D
Acq: 11 Nov 2025 18:21

Tgt Ion:152 Resp: 421732
Ion Ratio Lower Upper
152 100
115 54.4 27.1 81.2
150 156.4 0.0 347.4

