

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023766.D
 Acq On : 12 Nov 2025 16:08
 Operator : SY/MD
 Sample : Q3609-11
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-713-VOC-04

Quant Time: Nov 14 03:40:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	759244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1331691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1185801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	484603	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	388631	60.007	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.020%
35) Dibromofluoromethane	7.634	113	427929	51.420	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.840%
50) Toluene-d8	10.109	98	1513882	48.834	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.660%
62) 4-Bromofluorobenzene	12.402	95	464808	46.363	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.720%

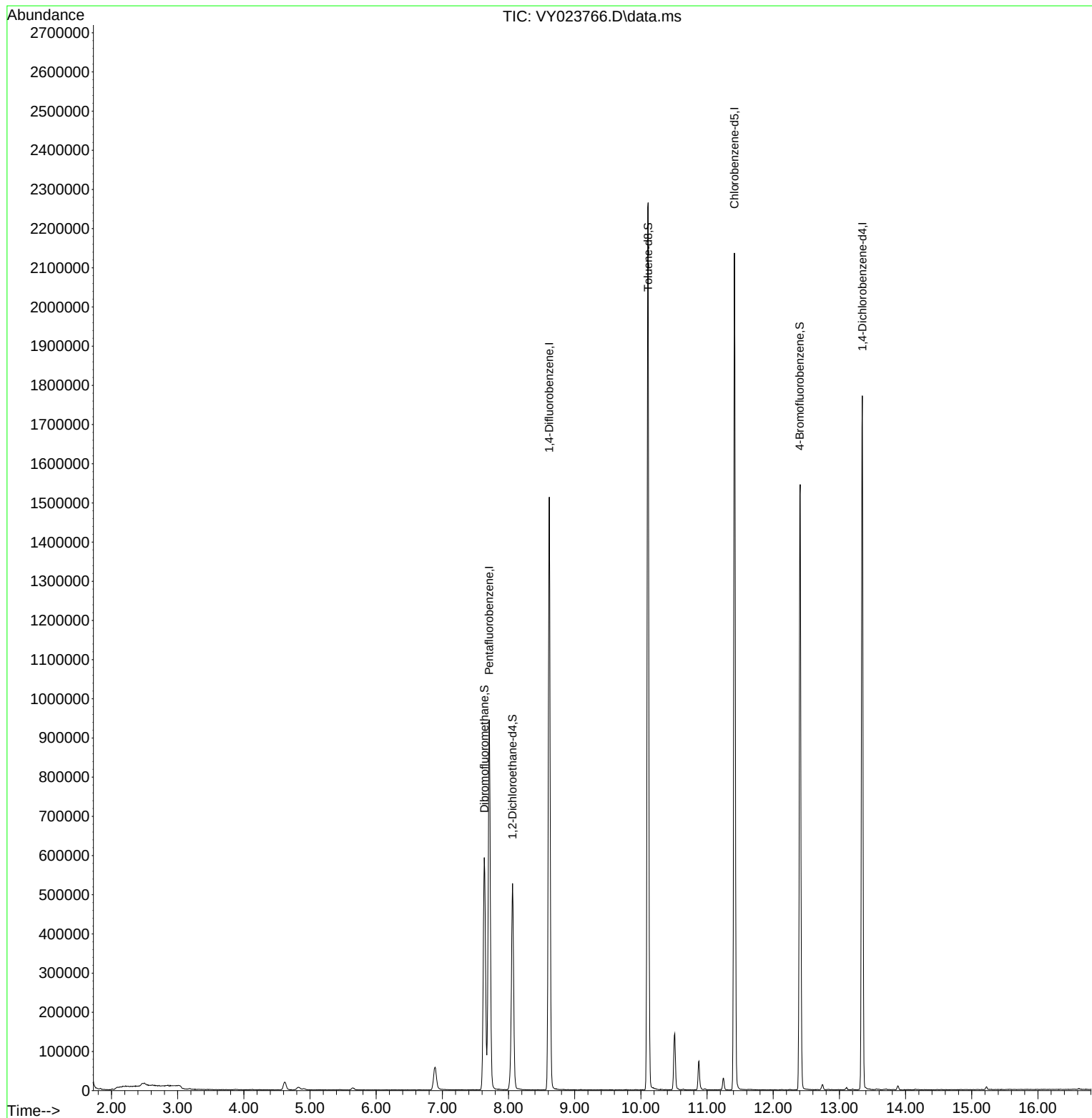
Target Compounds	Qvalue

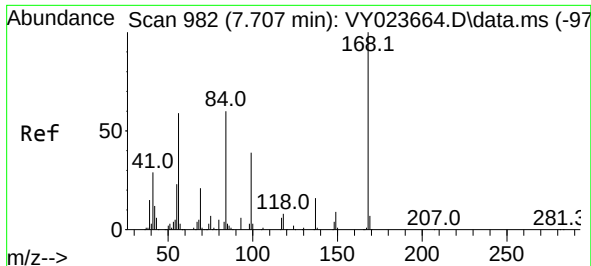
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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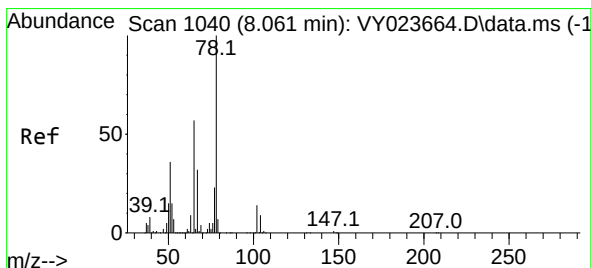
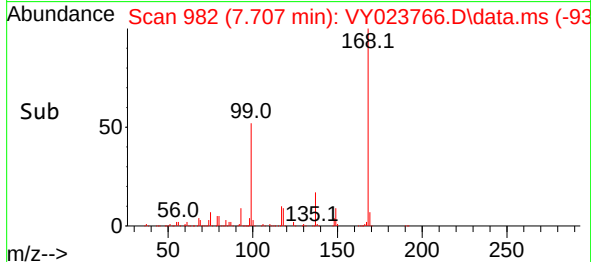
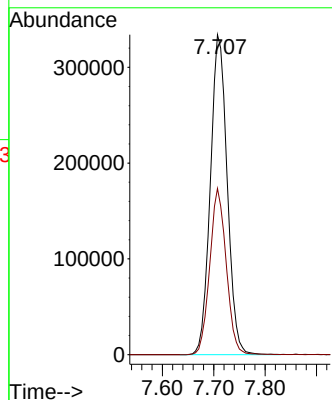
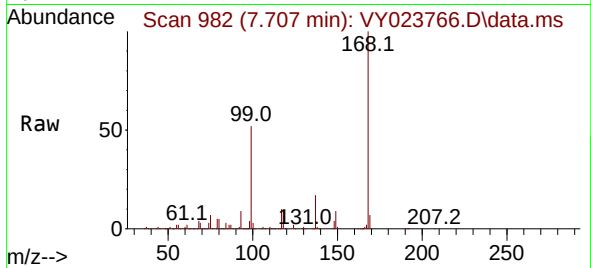




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

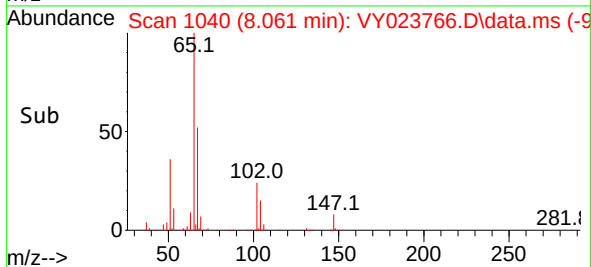
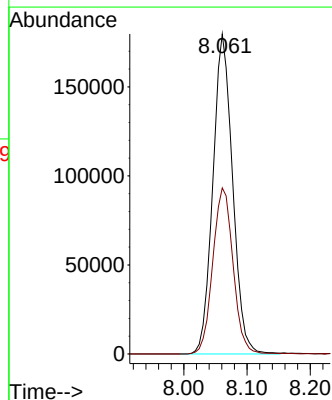
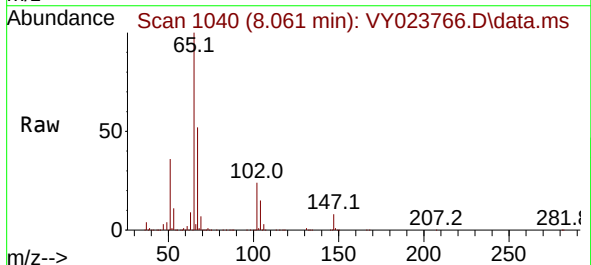
Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-04

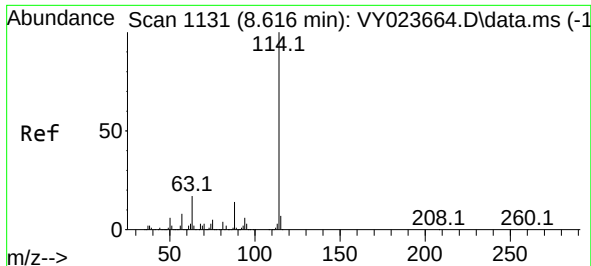
Tgt Ion:168 Resp: 759244
Ion Ratio Lower Upper
168 100
99 51.9 41.0 61.4



#33
1,2-Dichloroethane-d4
Concen: 60.007 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

Tgt Ion: 65 Resp: 388631
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.4

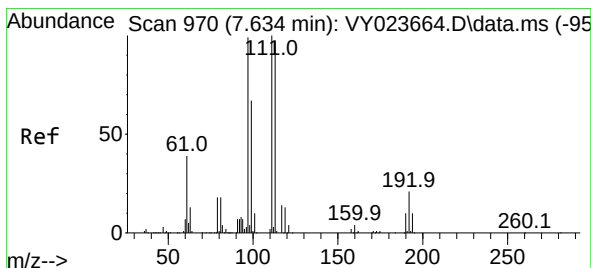
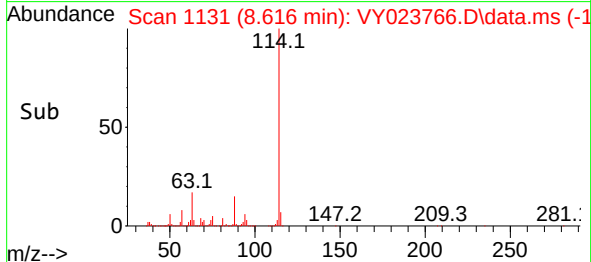
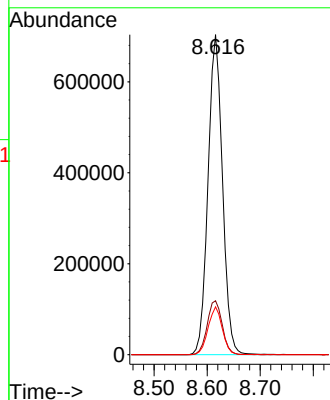
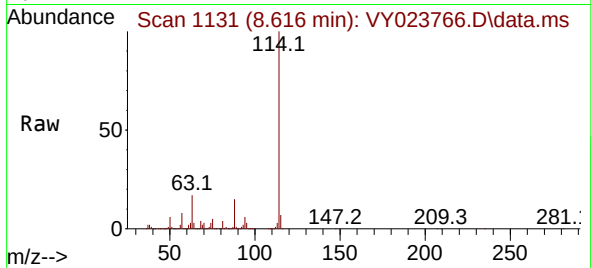




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

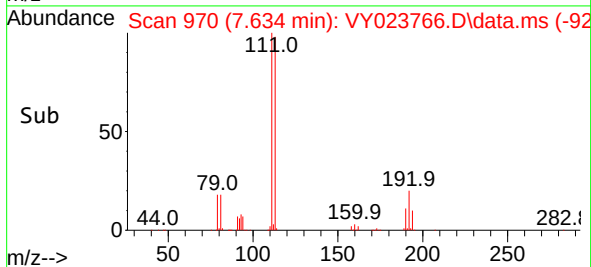
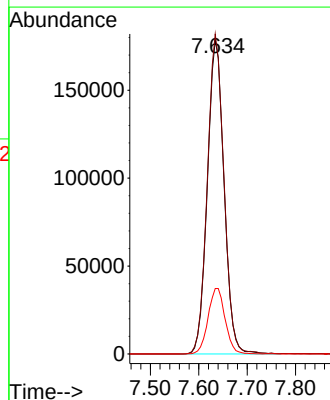
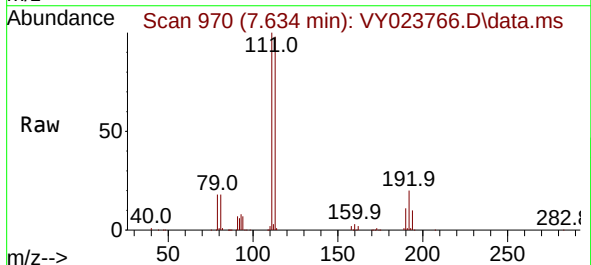
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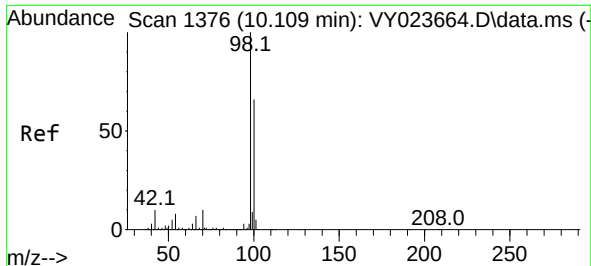
Tgt Ion:114 Resp: 1331691
Ion Ratio Lower Upper
114 100
63 16.8 0.0 33.8
88 14.9 0.0 29.0



#35
Dibromofluoromethane
Concen: 51.420 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

Tgt Ion:113 Resp: 427929
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.4
192 21.3 17.3 25.9

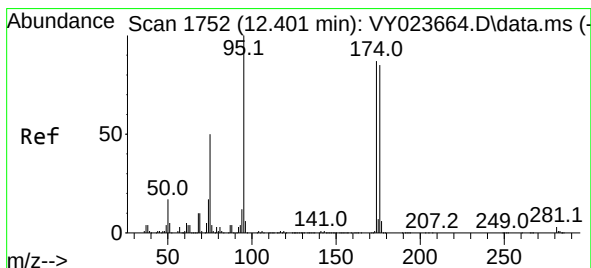
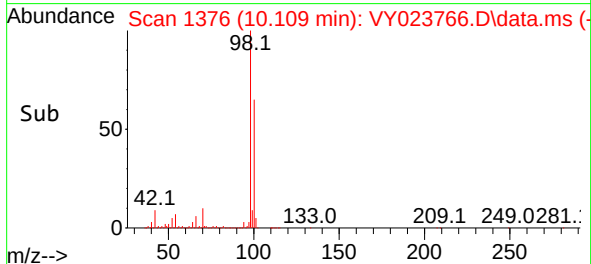
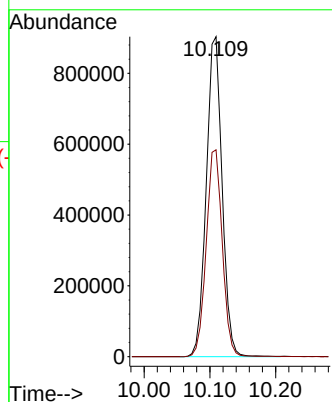
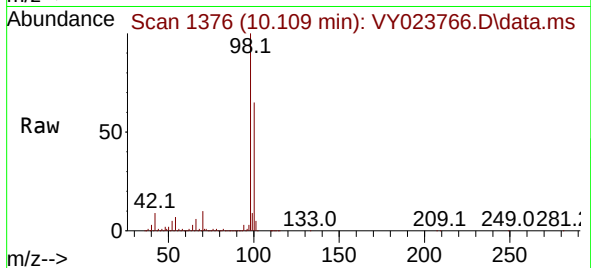




#50
Toluene-d8
Concen: 48.834 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

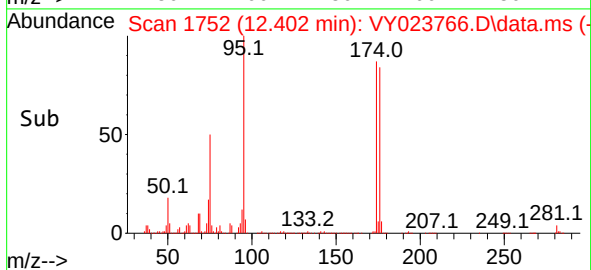
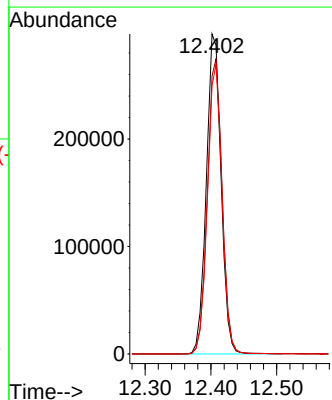
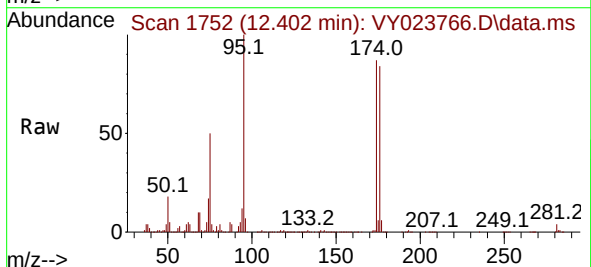
Instrument :
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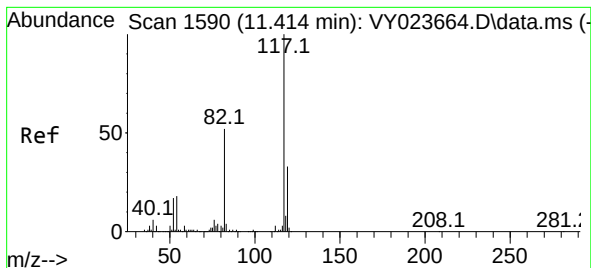
Tgt Ion: 98 Resp: 1513882
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 46.363 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

Tgt Ion: 95 Resp: 464808
Ion Ratio Lower Upper
95 100
174 92.5 0.0 184.8
176 89.4 0.0 181.6

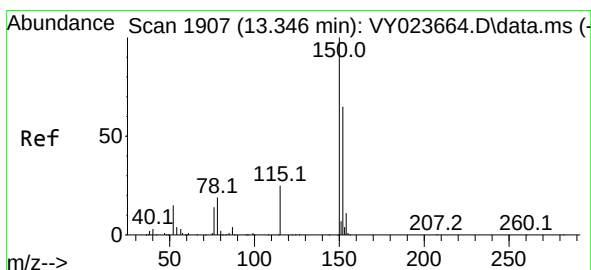
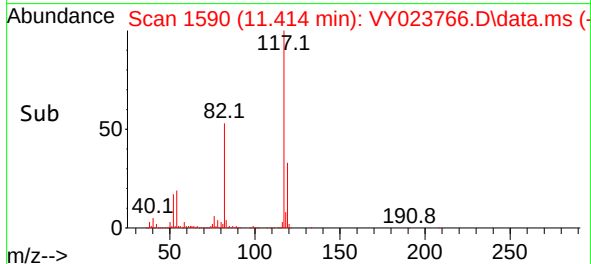
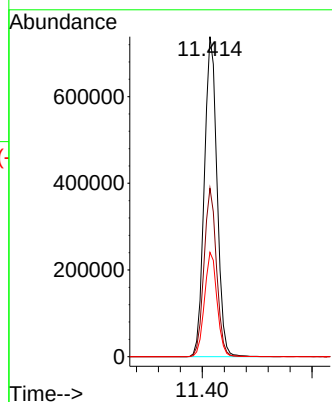
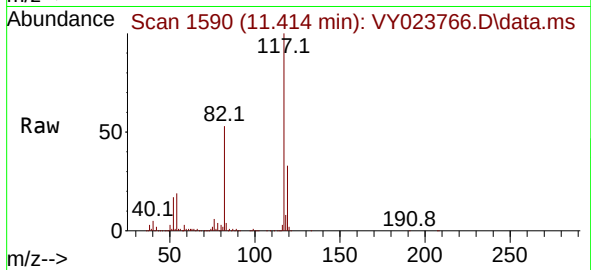




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

Instrument :
MSVOA_Y
ClientSampleId :
AU-713-VOC-04

Tgt Ion:117 Resp: 1185801
Ion Ratio Lower Upper
117 100
82 52.6 41.2 61.8
119 32.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023766.D
Acq: 12 Nov 2025 16:08

Tgt Ion:152 Resp: 484603
Ion Ratio Lower Upper
152 100
115 56.6 27.5 82.5
150 157.5 0.0 349.0

