

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023968.D
 Acq On : 15 Dec 2025 11:52
 Operator : SY/MD
 Sample : Q3862-02
 Misc : 6.65g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP02-MH09-VOC

Quant Time: Dec 16 02:13:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.726	168	17059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	24155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	17510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	2202	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	8455	56.058	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.120%
35) Dibromofluoromethane	7.646	113	7589	48.063	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.120%
50) Toluene-d8	10.115	98	25489	43.358	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.720%
62) 4-Bromofluorobenzene	12.414	95	3135	15.968	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	31.940%

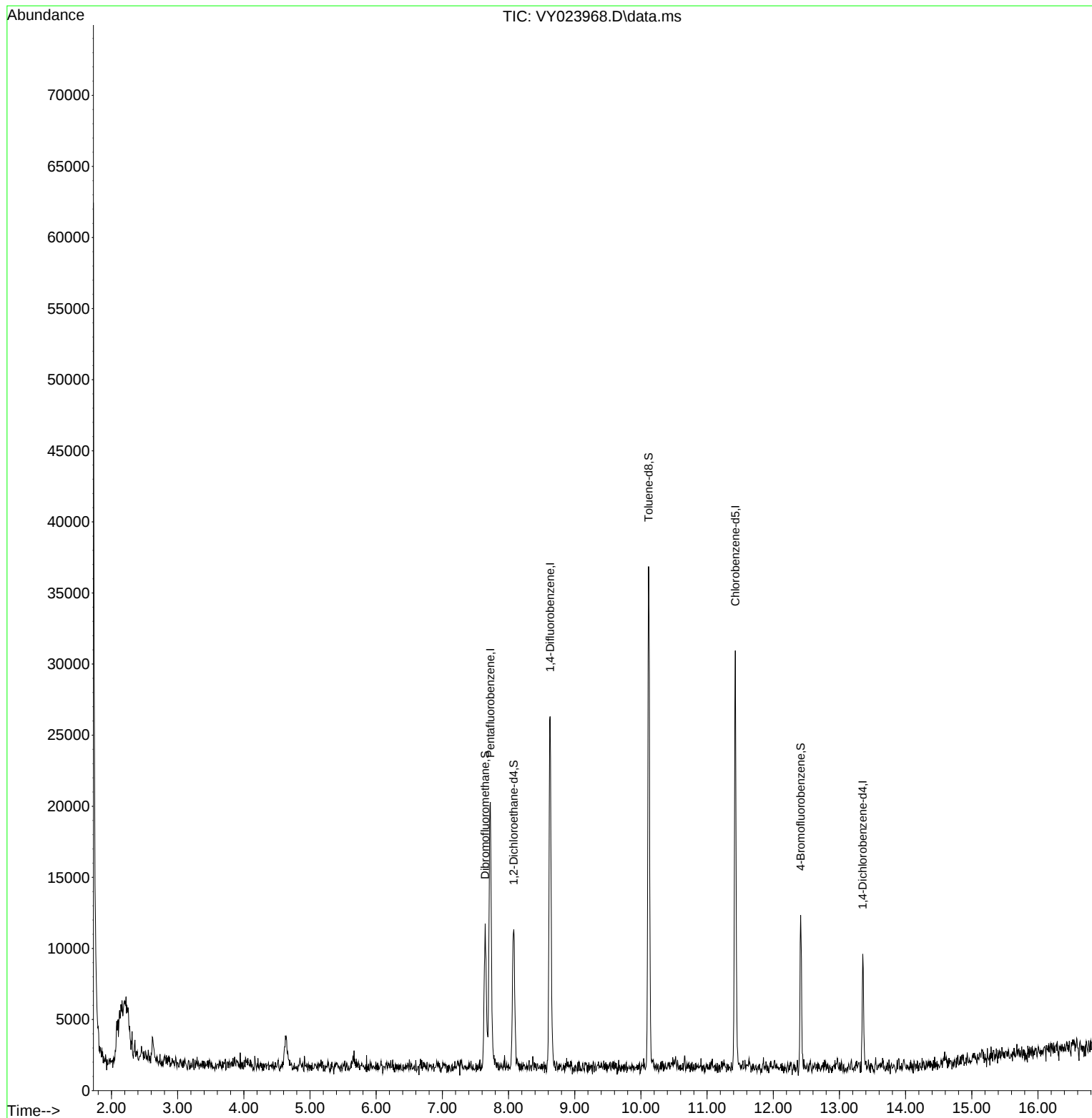
Target Compounds	Qvalue

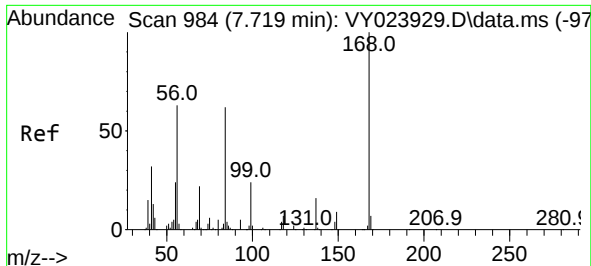
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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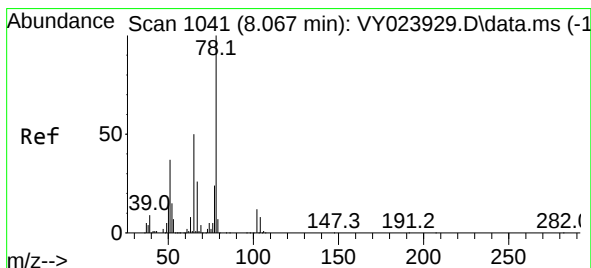
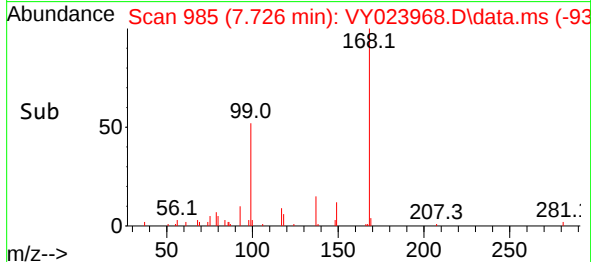
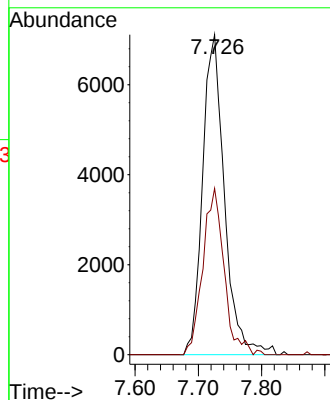
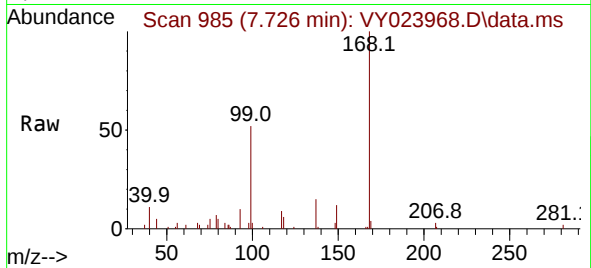




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.726 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY023968.D
Acq: 15 Dec 2025 11:52

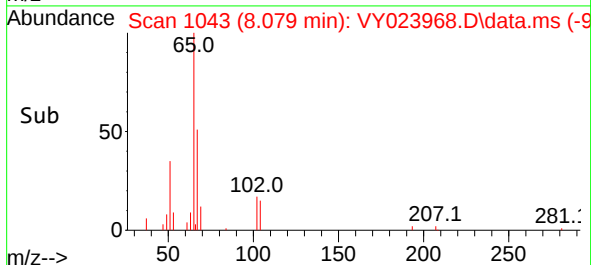
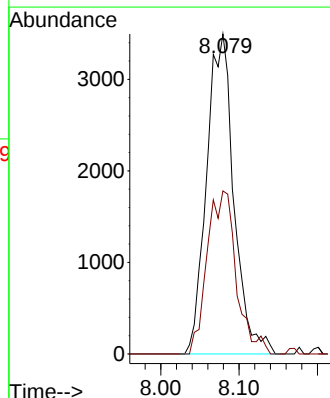
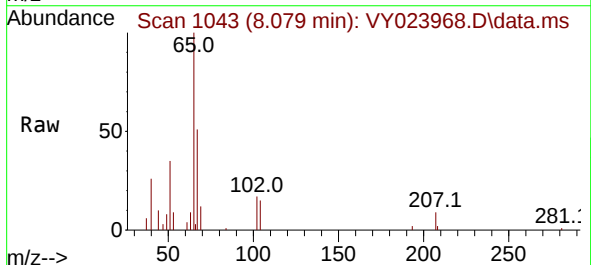
Instrument :
MSVOA_Y
ClientSampleId :
TP02-MH09-VOC

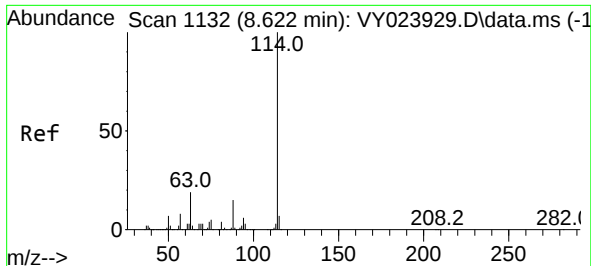
Tgt Ion:168 Resp: 17059
Ion Ratio Lower Upper
168 100
99 51.9 38.9 58.3



#33
1,2-Dichloroethane-d4
Concen: 56.058 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.012 min
Lab File: VY023968.D
Acq: 15 Dec 2025 11:52

Tgt Ion: 65 Resp: 8455
Ion Ratio Lower Upper
65 100
67 54.3 0.0 106.2

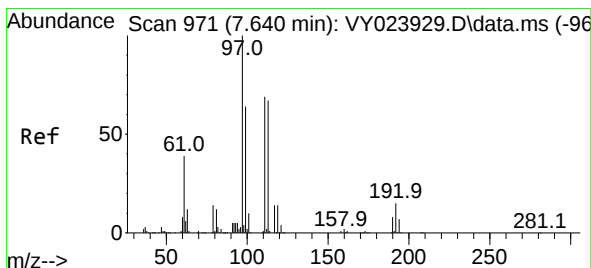
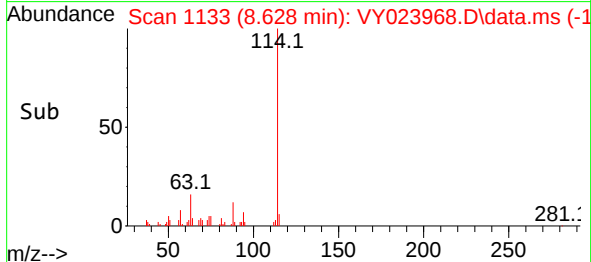
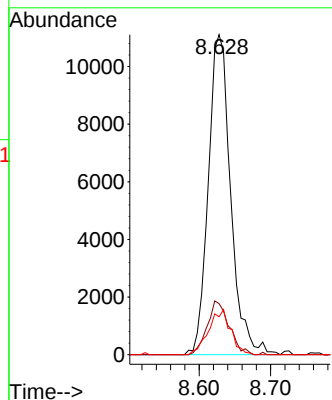
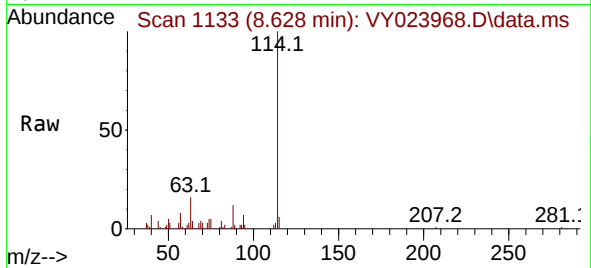




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.628 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY023968.D
Acq: 15 Dec 2025 11:52

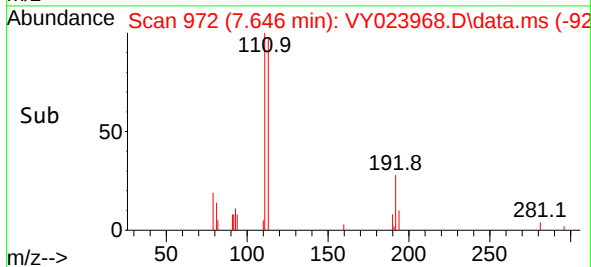
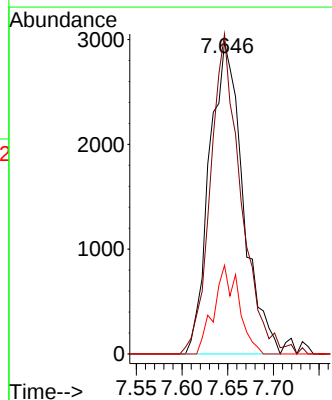
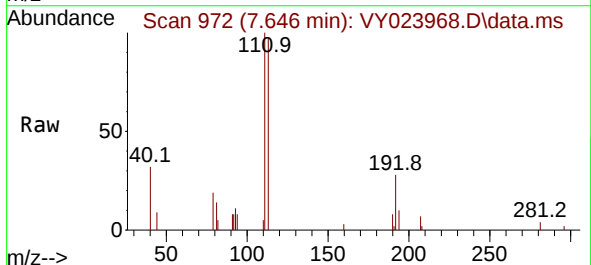
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TP02-MH09-VOC

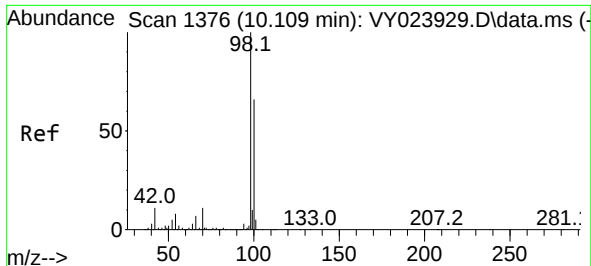
Tgt Ion:	114	Resp:	24155
Ion Ratio	Lower	Upper	
114	100		
63	15.9	0.0	37.2
88	11.9	0.0	29.4



#35
Dibromofluoromethane
Concen: 48.063 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY023968.D
Acq: 15 Dec 2025 11:52

Tgt Ion:	113	Resp:	7589
Ion Ratio	Lower	Upper	
113	100		
111	93.5	82.4	123.6
192	21.1	17.9	26.9

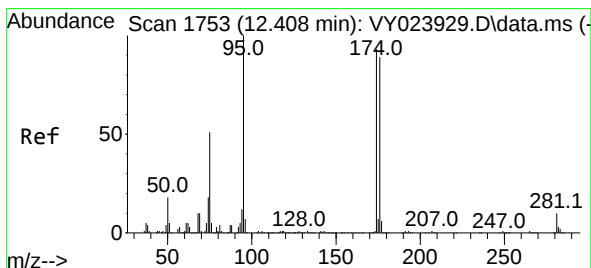
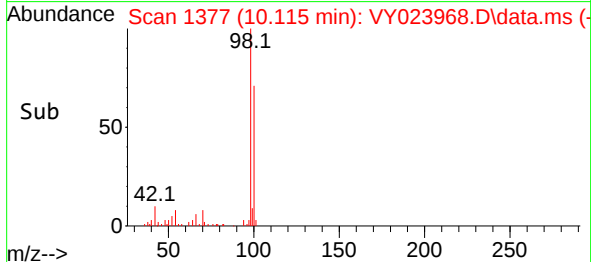
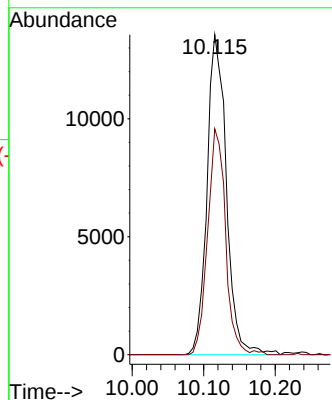
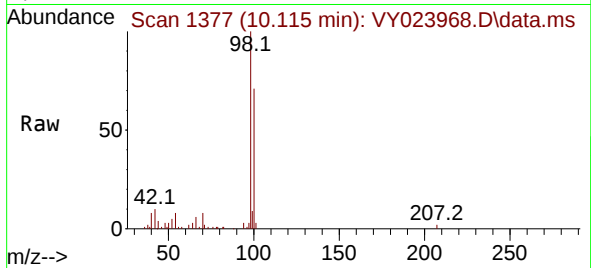




#50
Toluene-d8
Concen: 43.358 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023968.D
Acq: 15 Dec 2025 11:52

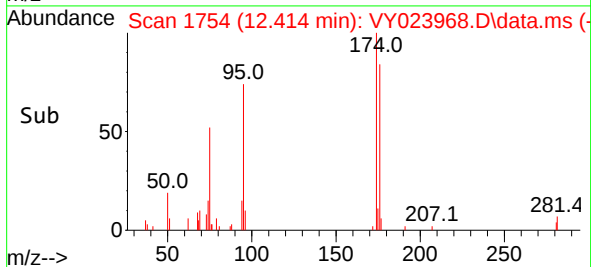
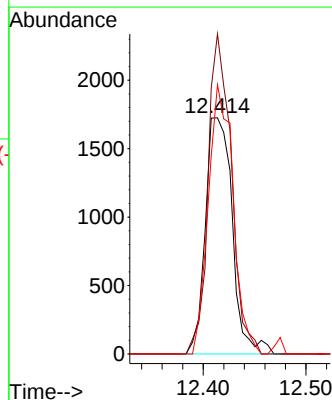
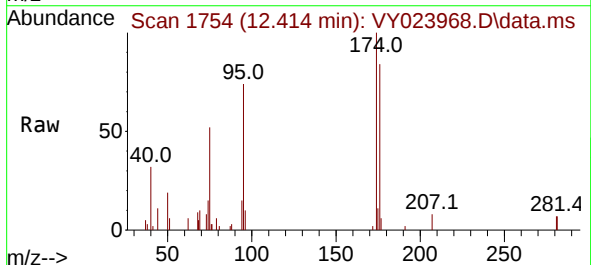
Instrument :
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ClientSampleId :
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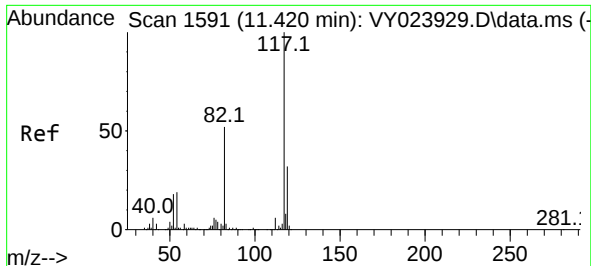
Tgt Ion: 98 Resp: 25489
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 15.968 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023968.D
Acq: 15 Dec 2025 11:52

Tgt Ion: 95 Resp: 3135
Ion Ratio Lower Upper
95 100
174 116.9 0.0 187.4
176 105.2 0.0 179.6

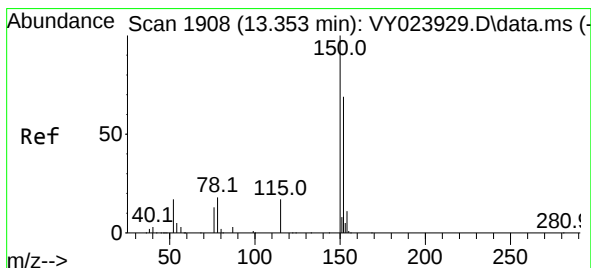
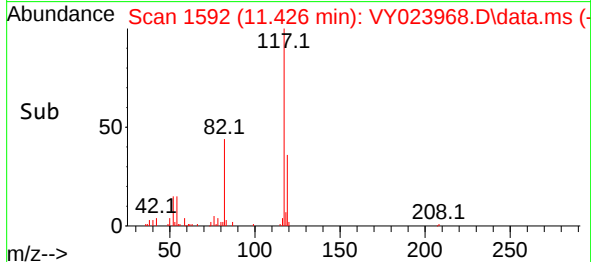
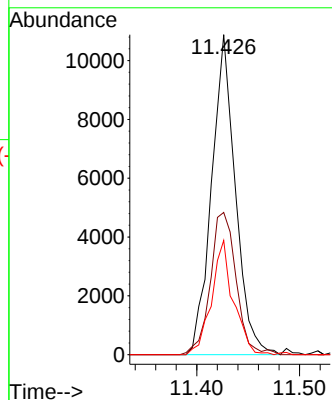
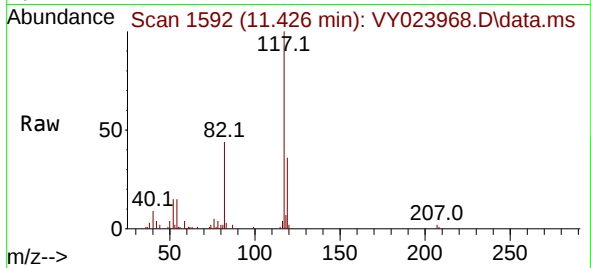




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VY023968.D
Acq: 15 Dec 2025 11:52

Instrument :
MSVOA_Y
ClientSampleId :
TP02-MH09-VOC

Tgt Ion:117	Resp:	17510
Ion Ratio	Lower	Upper
117	100	
82	44.4	41.4 62.2
119	35.7	25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY023968.D
Acq: 15 Dec 2025 11:52

Tgt Ion:152	Resp:	2202
Ion Ratio	Lower	Upper
152	100	
115	53.7	27.3 81.9
150	160.0	0.0 347.6

