

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023568.D
 Acq On : 24 Oct 2025 13:17
 Operator : SY/MD
 Sample : Q3439-03
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9-VOC

Quant Time: Oct 24 23:50:32 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	826591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1341890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1125144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	472983	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	339744	49.152	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.300%
35) Dibromofluoromethane	7.634	113	419565	50.885	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.780%
50) Toluene-d8	10.109	98	1485661	48.383	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.760%
62) 4-Bromofluorobenzene	12.408	95	427014	42.122	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.240%

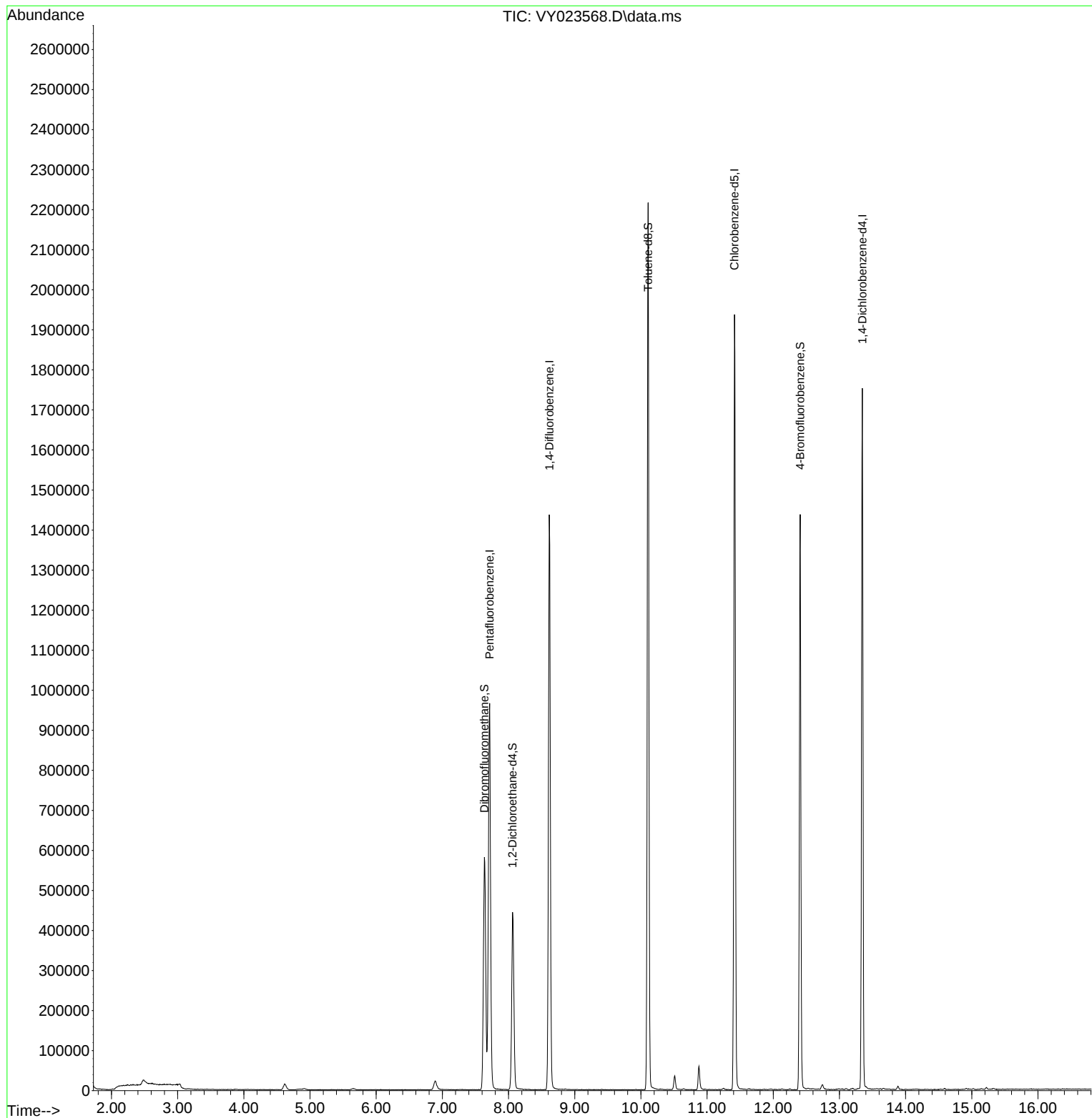
Target Compounds	Qvalue

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

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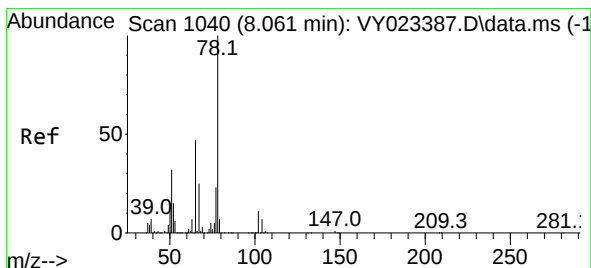
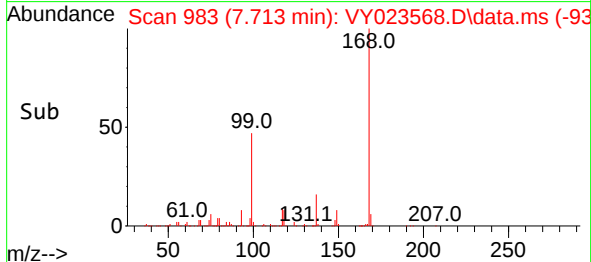
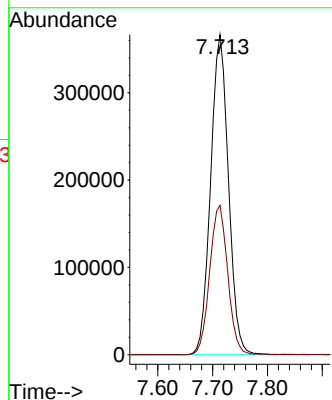
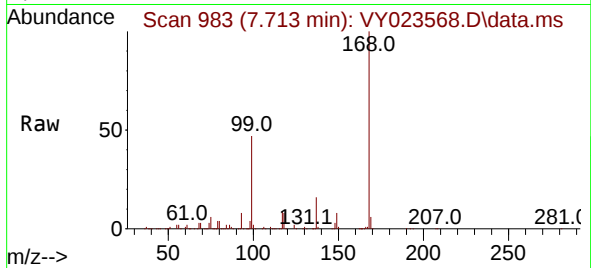




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

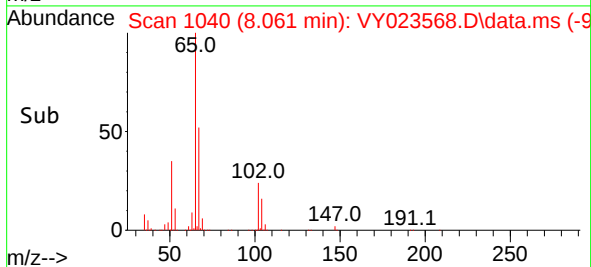
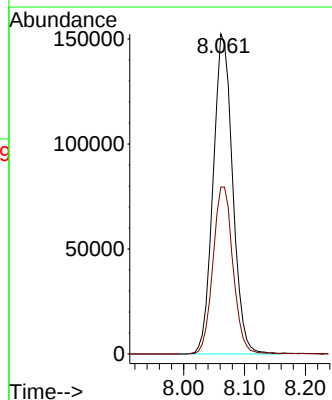
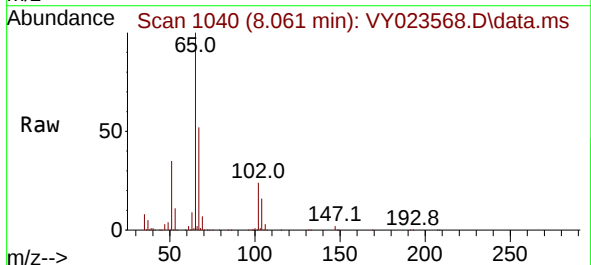
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

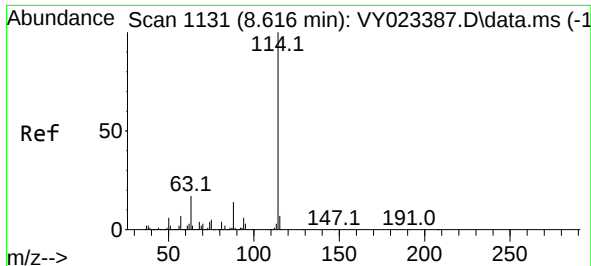
Tgt Ion:168 Resp: 826591
Ion Ratio Lower Upper
168 100
99 46.6 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 49.152 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

Tgt Ion: 65 Resp: 339744
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

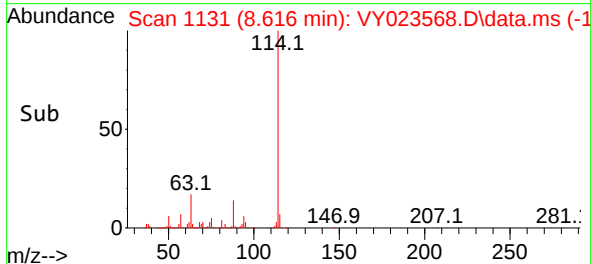
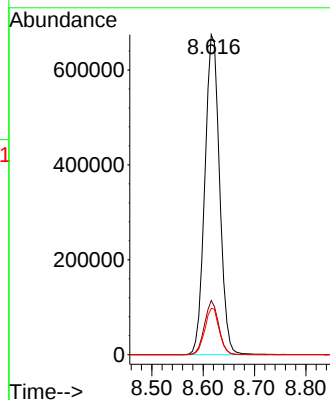
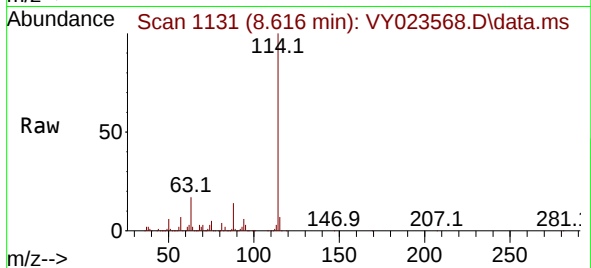




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

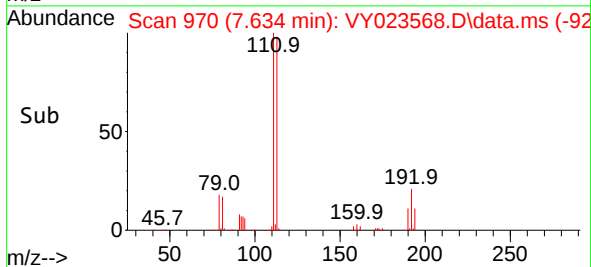
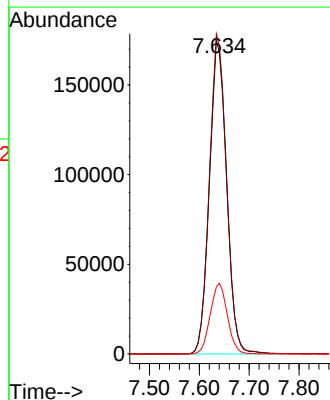
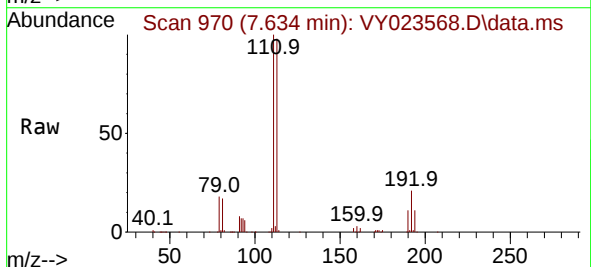
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

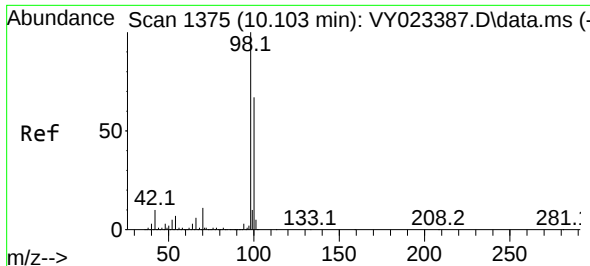
Tgt Ion:114 Resp: 1341890
Ion Ratio Lower Upper
114 100
63 16.9 0.0 34.2
88 14.5 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.885 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

Tgt Ion:113 Resp: 419565
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.6
192 22.4 18.0 27.0

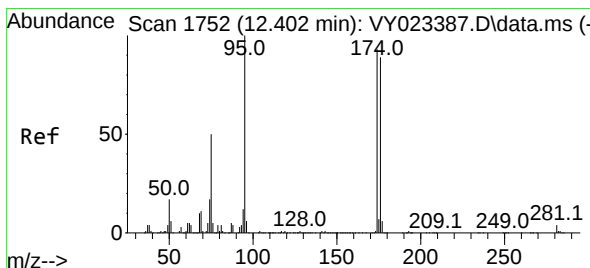
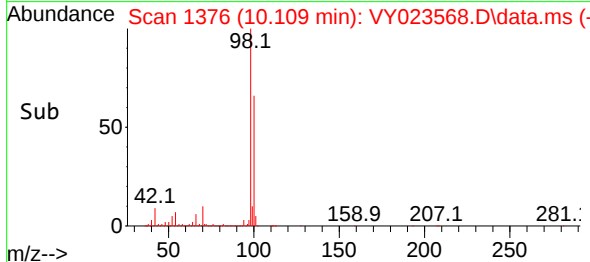
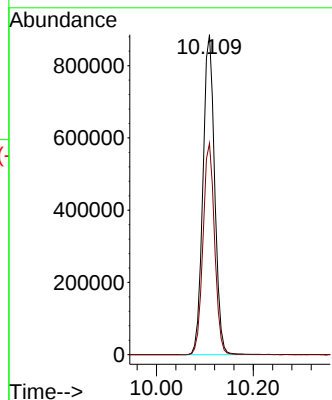
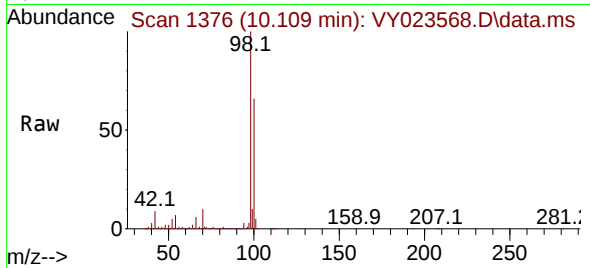




#50
Toluene-d8
Concen: 48.383 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

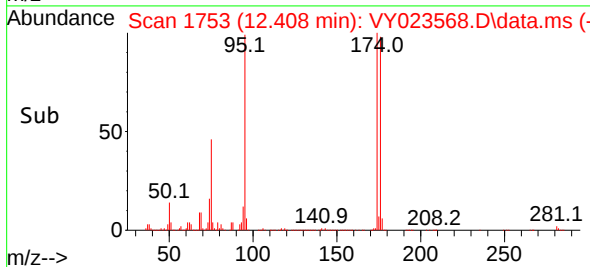
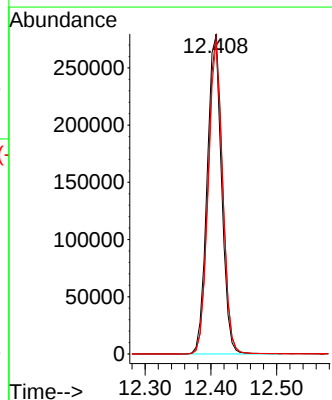
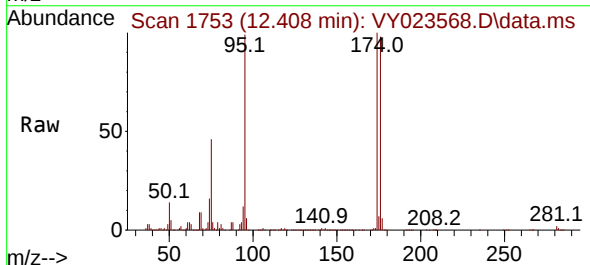
Instrument :
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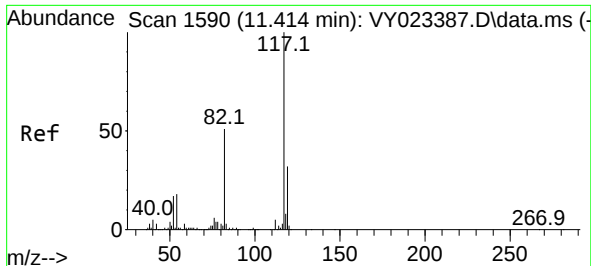
Tgt Ion: 98 Resp: 1485661
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.122 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

Tgt Ion: 95 Resp: 427014
Ion Ratio Lower Upper
95 100
174 100.4 0.0 192.8
176 96.5 0.0 187.6

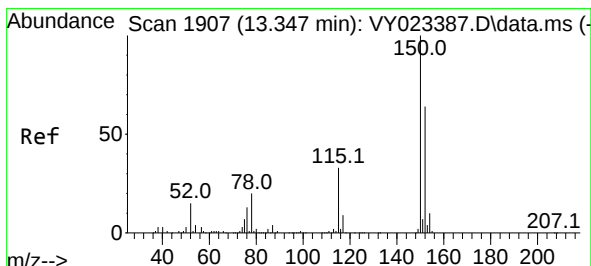
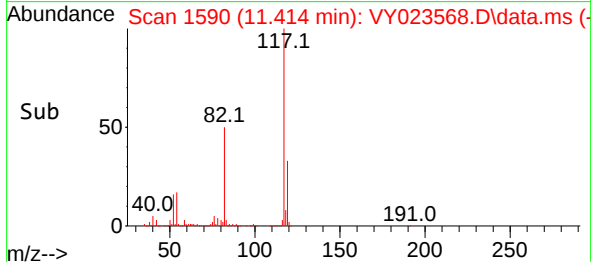
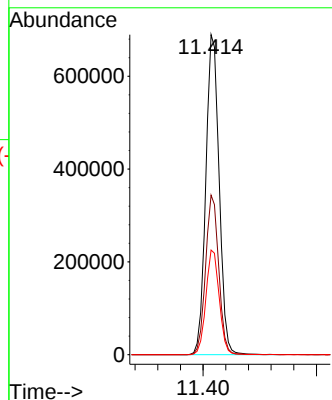
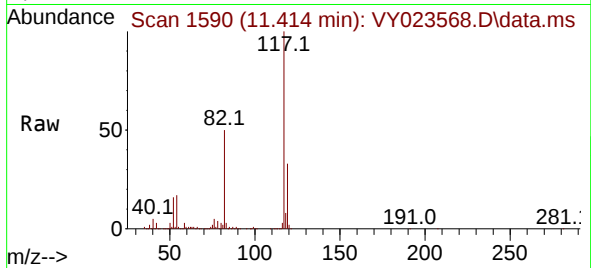




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023568.D
Acq: 24 Oct 2025 13:17

Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

Tgt Ion:117 Resp: 1125144
Ion Ratio Lower Upper
117 100
82 49.9 41.0 61.4
119 32.7 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: VY023568.D
Acq: 24 Oct 2025 13:17

Tgt Ion:152 Resp: 472983
Ion Ratio Lower Upper
152 100
115 53.6 27.1 81.2
150 156.1 0.0 347.4

