

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023539.D
 Acq On : 21 Oct 2025 16:57
 Operator : SY/MD
 Sample : Q3412-03
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6-VOC

Quant Time: Oct 24 01:38:07 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	785628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1287276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1118313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	471402	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	351428	53.494	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.980%
35) Dibromofluoromethane	7.634	113	410441	51.891	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.780%
50) Toluene-d8	10.109	98	1460077	49.567	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.140%
62) 4-Bromofluorobenzene	12.407	95	429018	44.115	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.220%

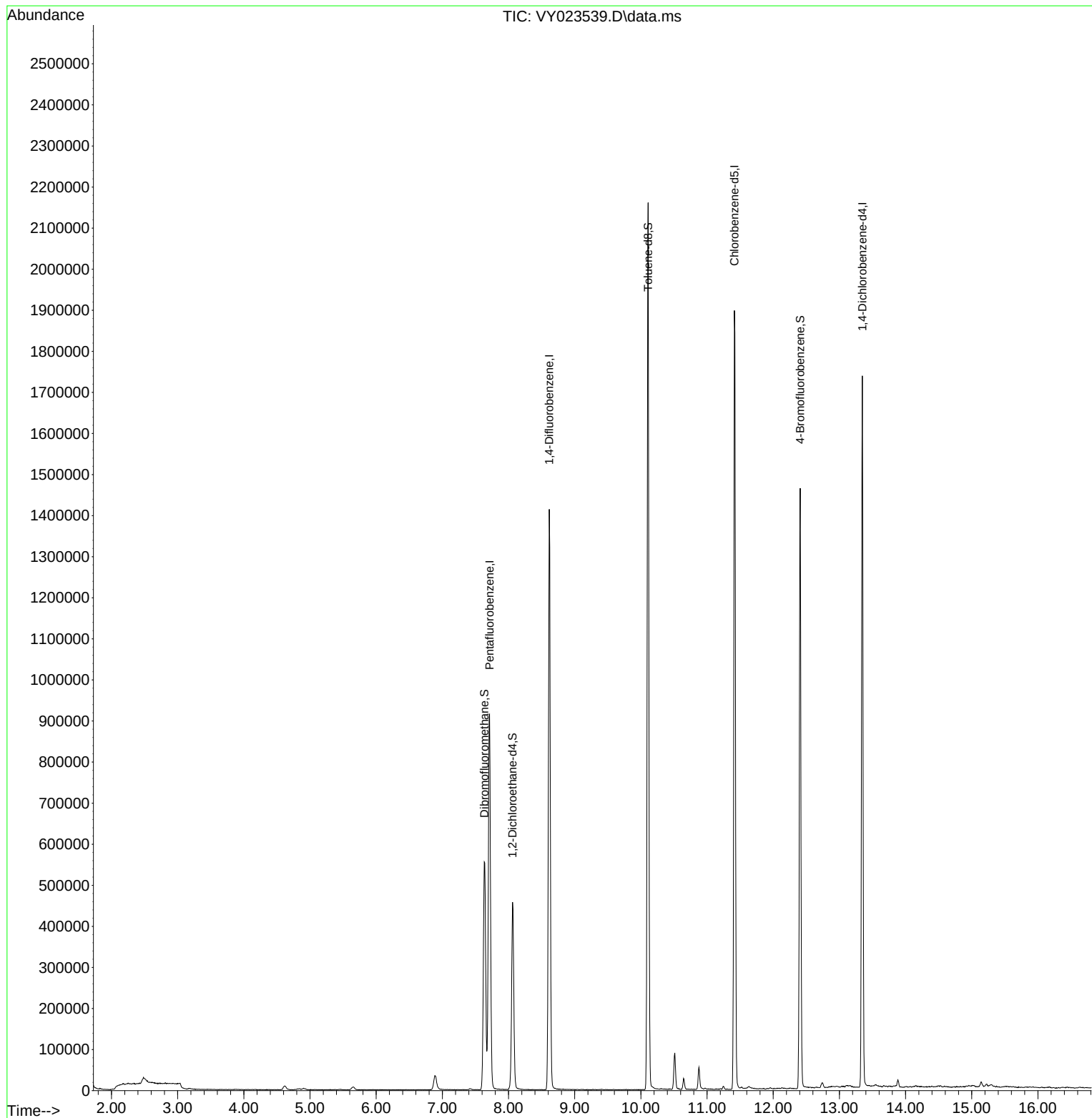
Target Compounds	Qvalue

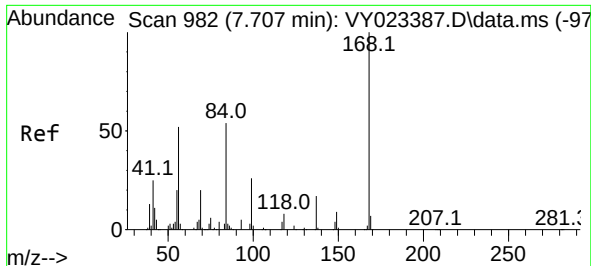
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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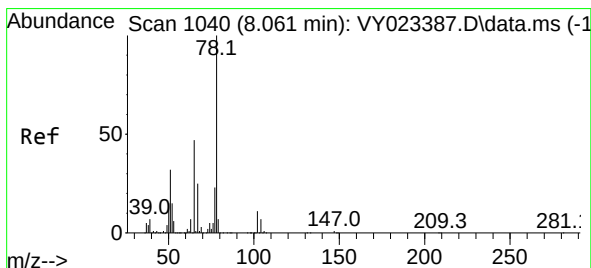
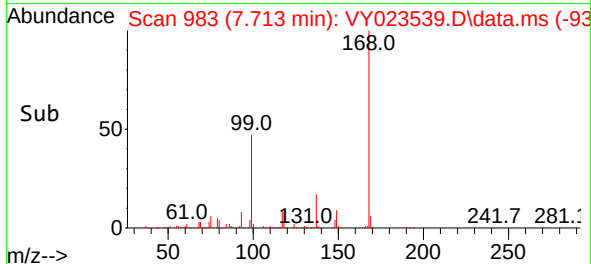
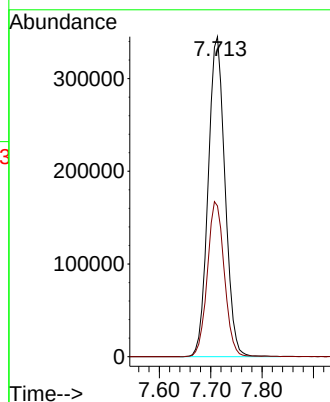
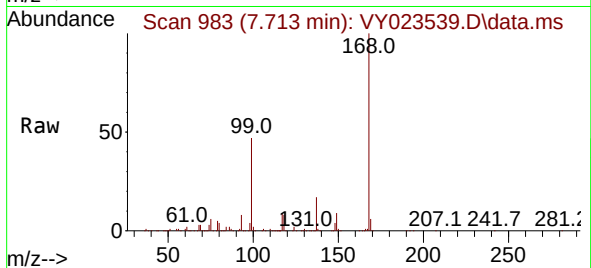




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

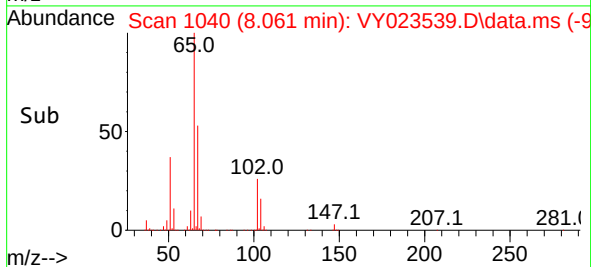
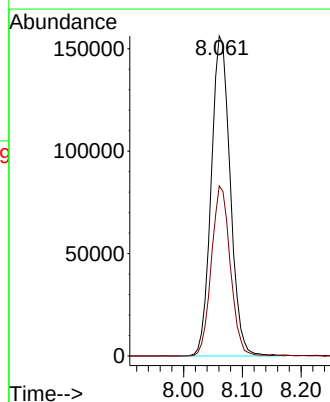
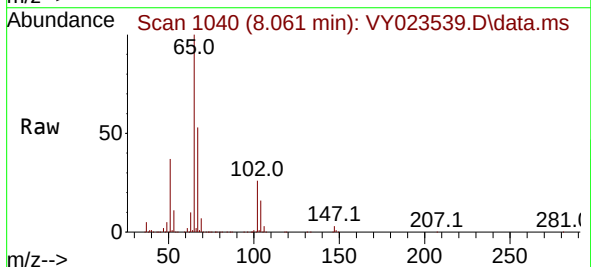
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-VOC

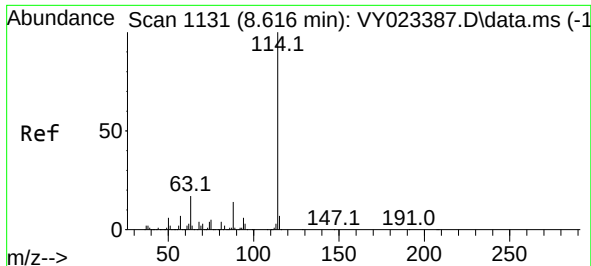
Tgt Ion:168 Resp: 785628
Ion Ratio Lower Upper
168 100
99 47.1 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 53.494 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

Tgt Ion: 65 Resp: 351428
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8

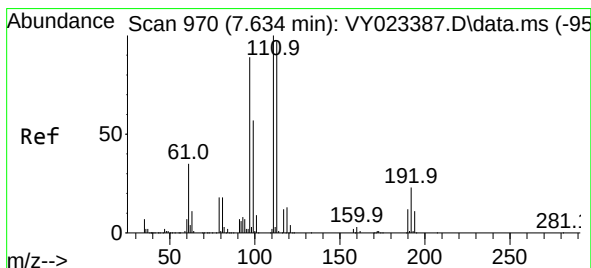
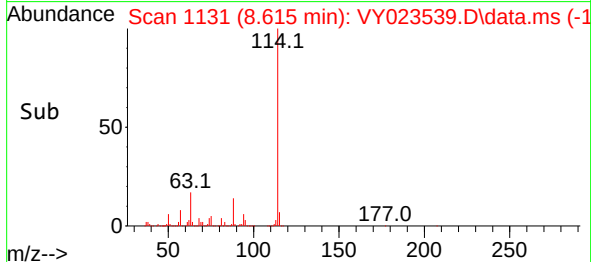
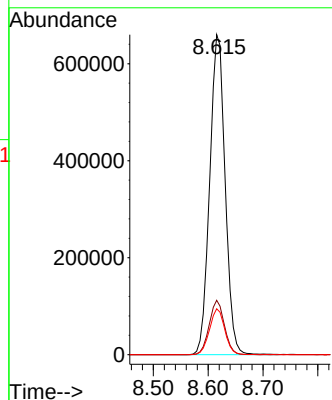
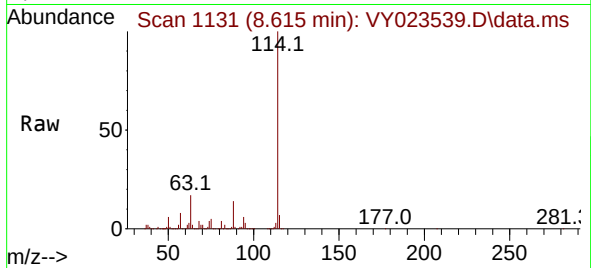




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

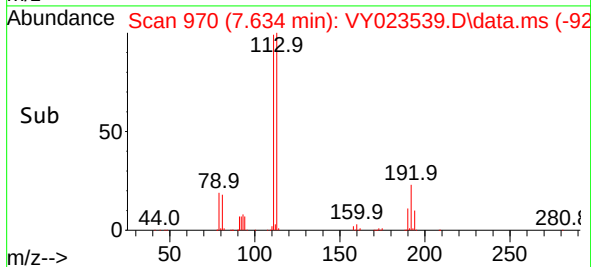
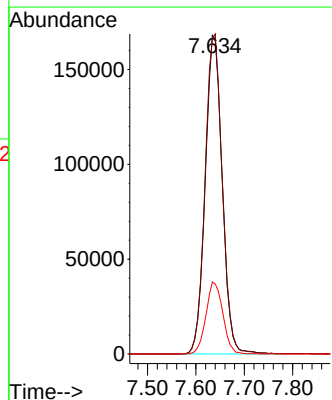
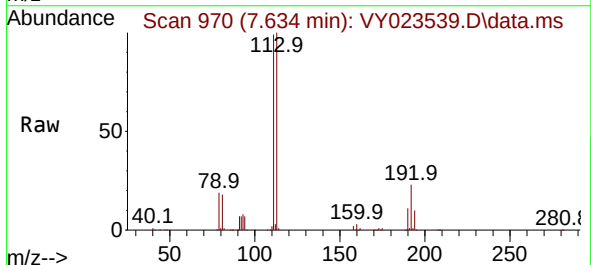
Instrument :
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ClientSampleId :
TP-6-VOC

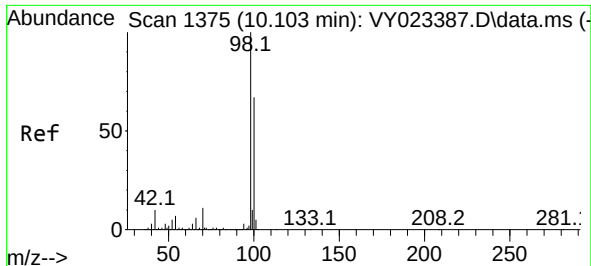
Tgt Ion:114 Resp: 1287276
Ion Ratio Lower Upper
114 100
63 17.0 0.0 34.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.891 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

Tgt Ion:113 Resp: 410441
Ion Ratio Lower Upper
113 100
111 101.4 81.8 122.6
192 22.4 18.0 27.0

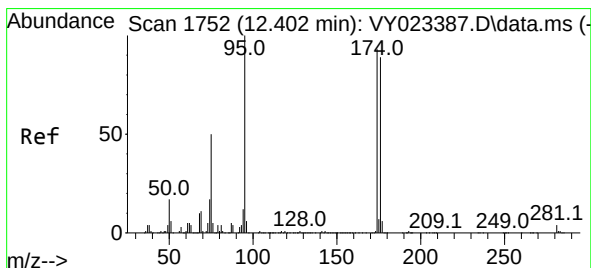
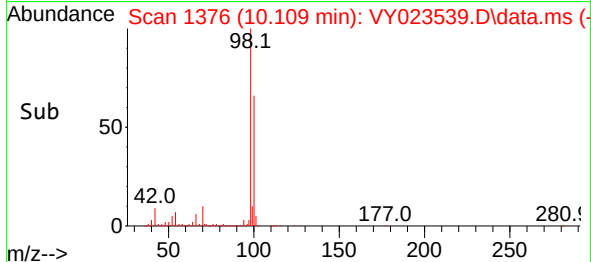
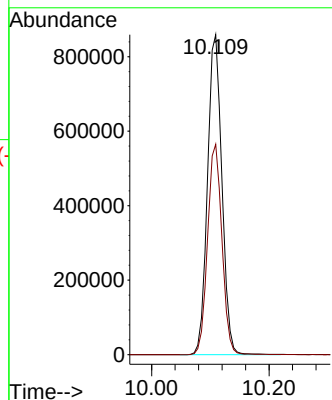
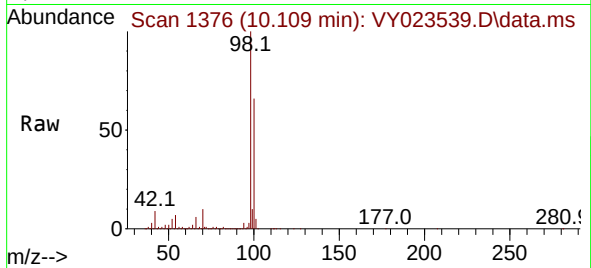




#50
Toluene-d8
Concen: 49.567 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

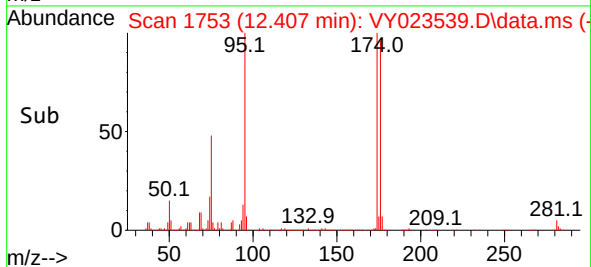
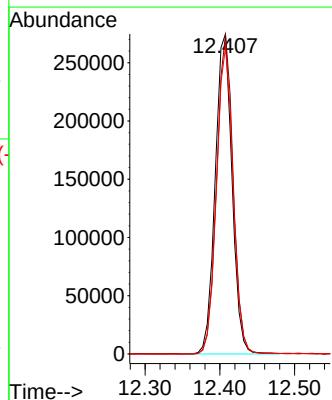
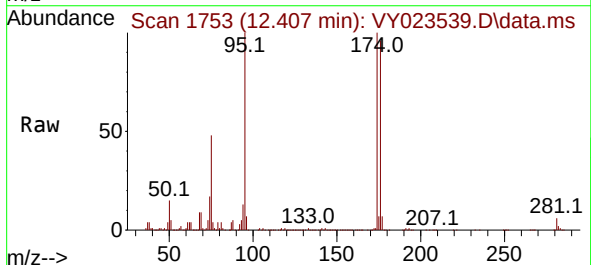
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-VOC

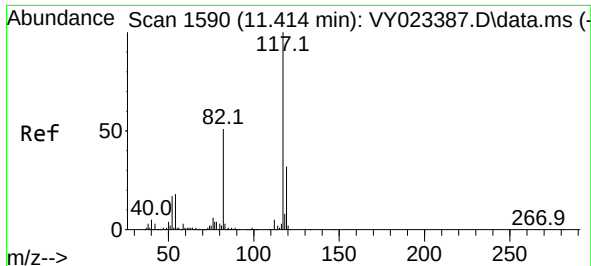
Tgt Ion: 98 Resp: 1460077
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 44.115 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

Tgt Ion: 95 Resp: 429018
Ion Ratio Lower Upper
95 100
174 98.3 0.0 192.8
176 95.0 0.0 187.6

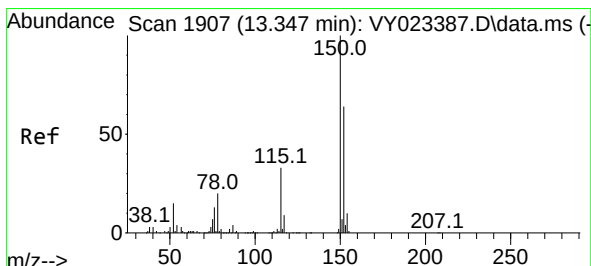
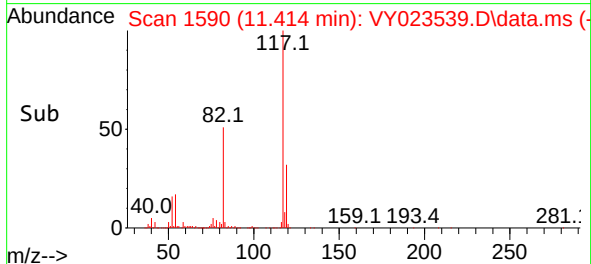
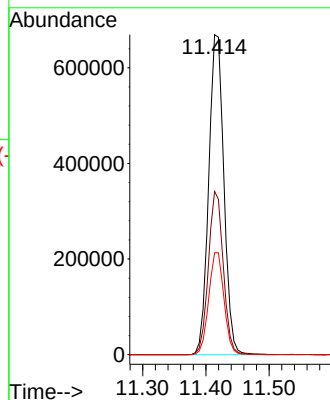
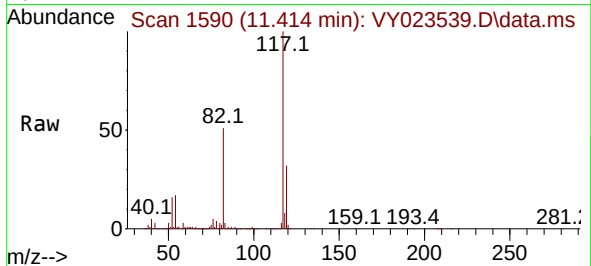




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1118313
Delta R.T. -0.000 min
Lab File: VY023539.D
Acq: 21 Oct 2025 16:57

Instrument :
MSVOA_Y
ClientSampleId :
TP-6-VOC

Tgt Ion:117 Resp: 1118313
Ion Ratio Lower Upper
117 100
82 51.1 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: VY023539.D
Acq: 21 Oct 2025 16:57

Tgt Ion:152 Resp: 471402
Ion Ratio Lower Upper
152 100
115 53.7 27.1 81.2
150 157.2 0.0 347.4

