

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022595.D
 Acq On : 06 Jun 2025 13:14
 Operator : SY/MD
 Sample : Q2208-11
 Misc : 5.52g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-07

Quant Time: Jun 06 23:42:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	304599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	568658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	464084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	175922	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	169628	49.791	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.580%
35) Dibromofluoromethane	7.628	113	172370	50.784	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.560%
50) Toluene-d8	10.103	98	688082	50.171	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.340%
62) 4-Bromofluorobenzene	12.401	95	174566	42.720	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.440%

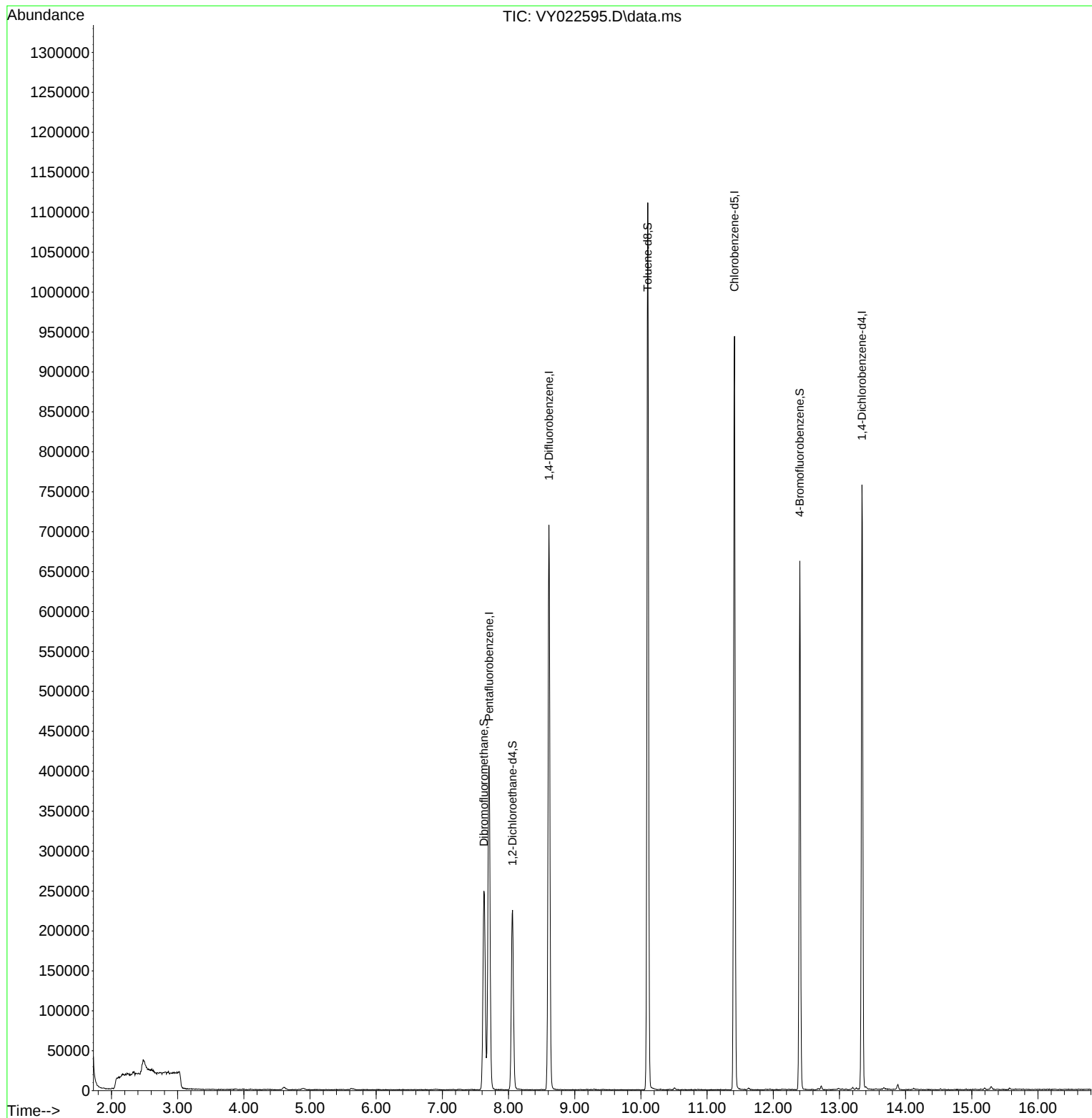
Target Compounds	Qvalue

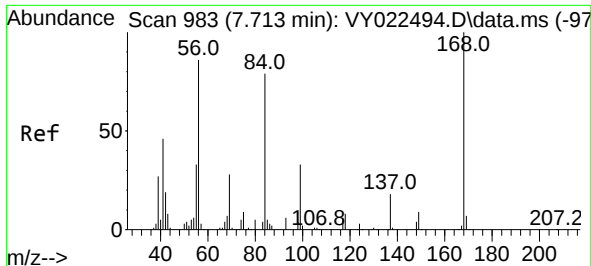
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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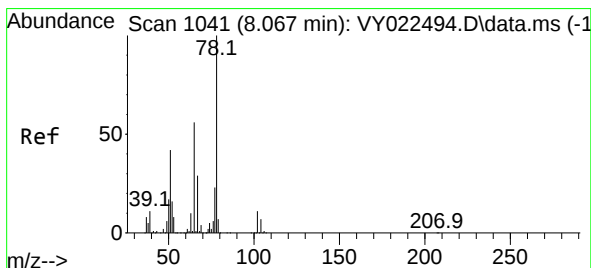
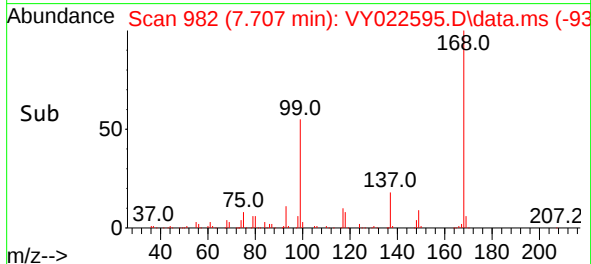
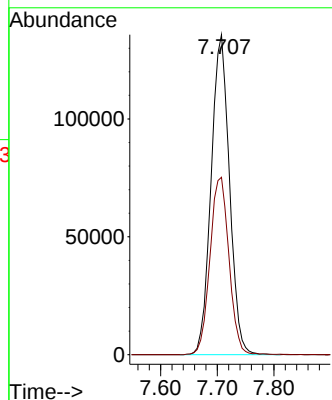
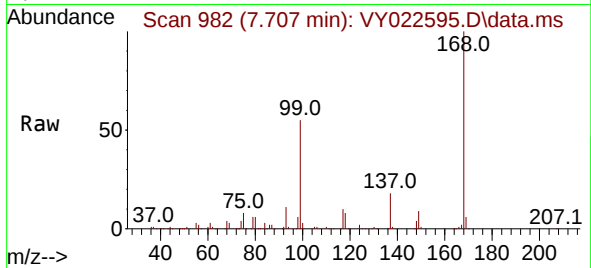




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

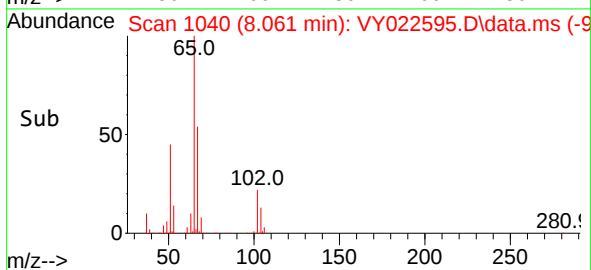
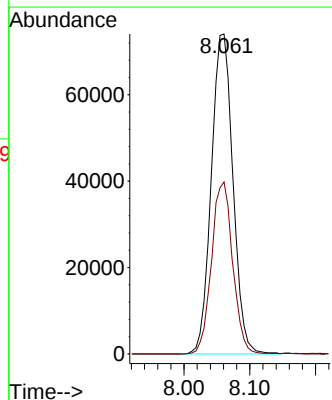
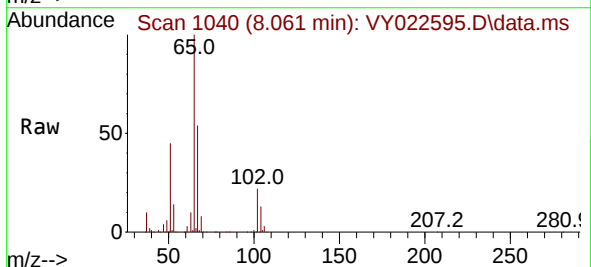
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-07

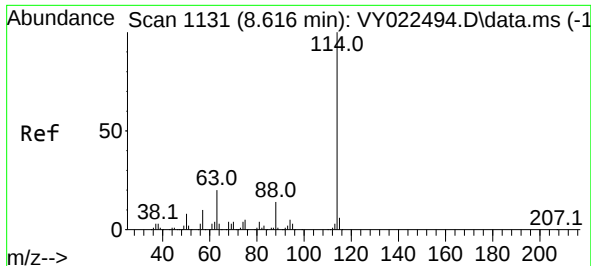
Tgt Ion:168 Resp: 304599
Ion Ratio Lower Upper
168 100
99 55.4 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.791 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 65 Resp: 169628
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4

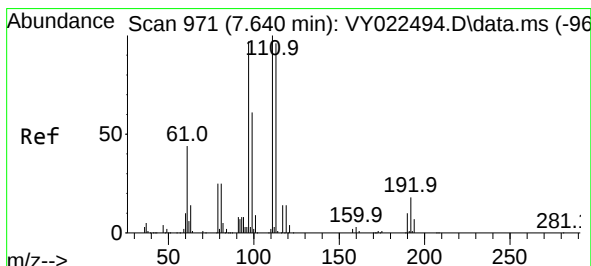
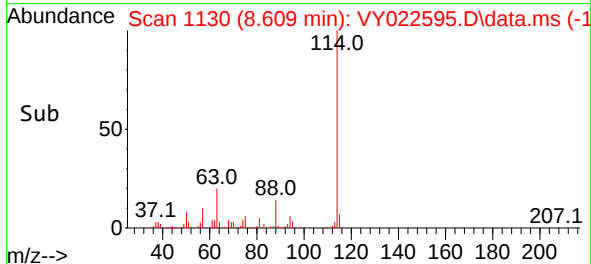
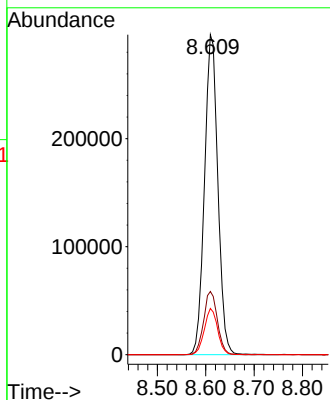
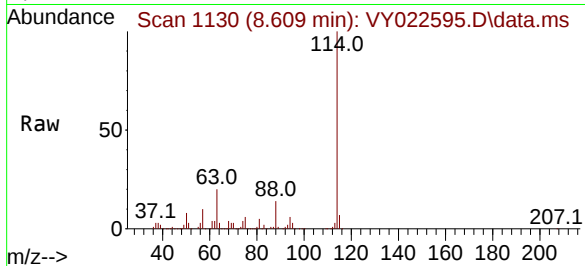




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

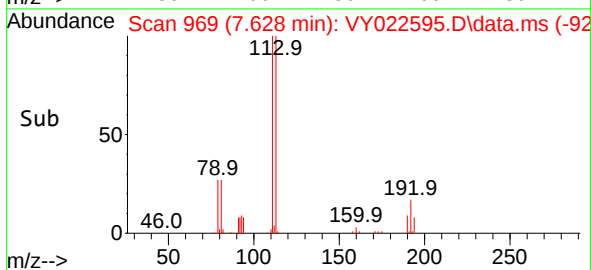
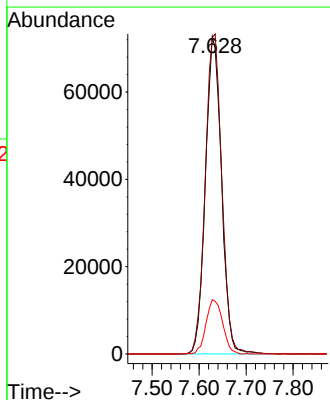
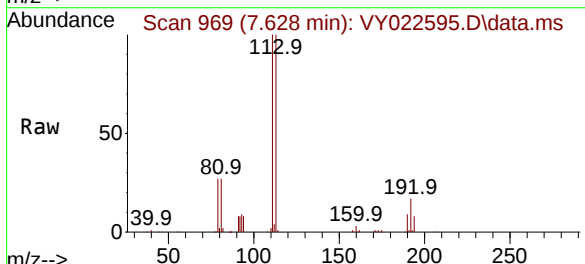
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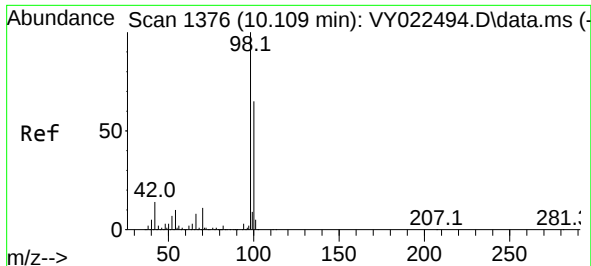
Tgt Ion:114 Resp: 568658
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.8
88 14.4 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.784 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

Tgt Ion:113 Resp: 172370
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 17.6 14.2 21.2

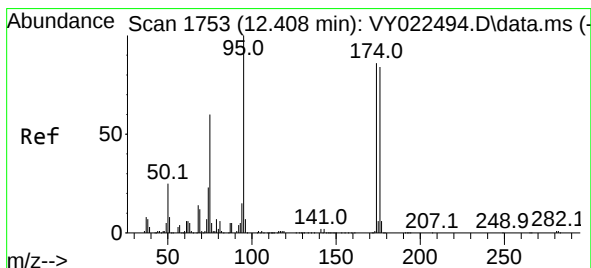
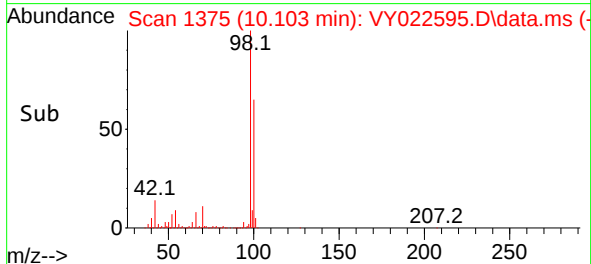
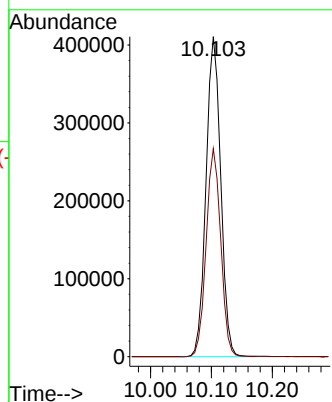
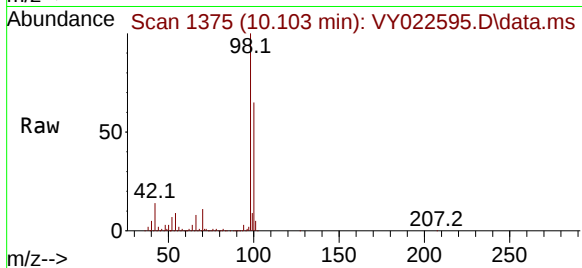




#50
Toluene-d8
Concen: 50.171 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

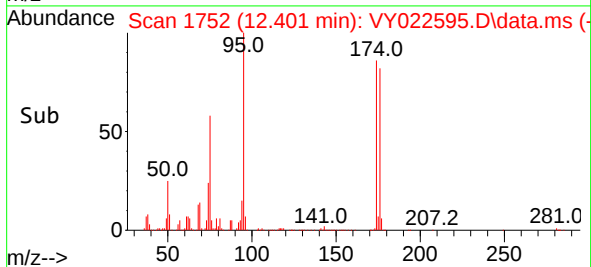
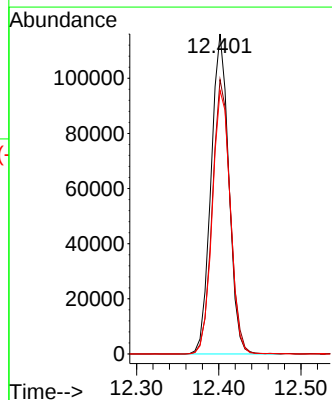
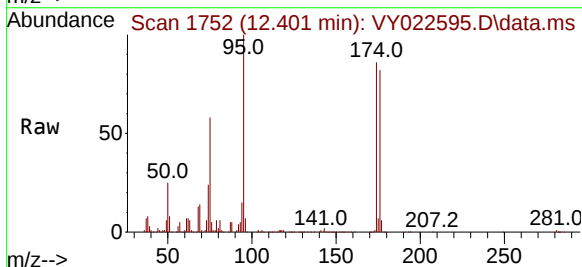
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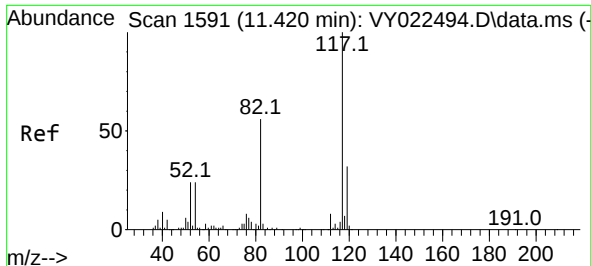
Tgt Ion: 98 Resp: 688082
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.720 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 95 Resp: 174566
Ion Ratio Lower Upper
95 100
174 85.8 0.0 170.0
176 83.3 0.0 166.2

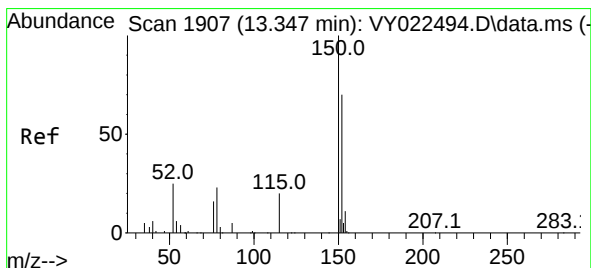
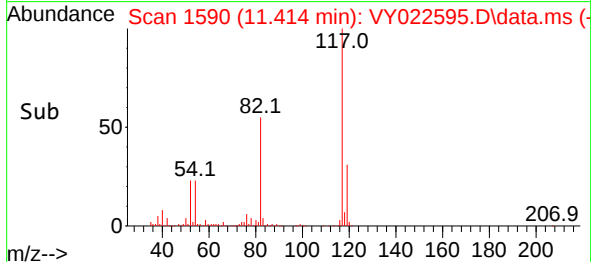
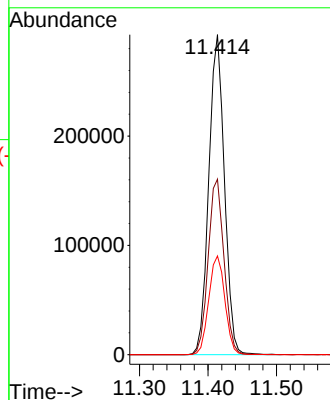
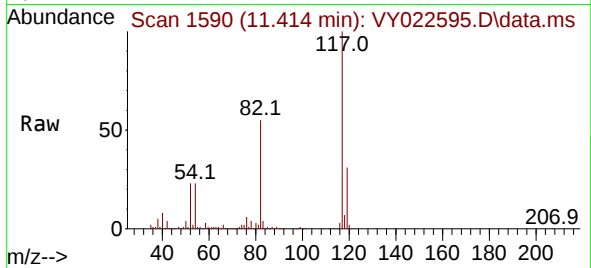




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-07

Tgt Ion:117 Resp: 464084
Ion Ratio Lower Upper
117 100
82 54.9 44.6 66.8
119 30.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022595.D
Acq: 06 Jun 2025 13:14

Tgt Ion:152 Resp: 175922
Ion Ratio Lower Upper
152 100
115 57.6 28.9 86.7
150 157.2 0.0 349.6

