

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022599.D
 Acq On : 06 Jun 2025 14:49
 Operator : SY/MD
 Sample : Q2207-11
 Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-02

Quant Time: Jun 06 23:43:43 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	7.701	168	305513	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	557697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	445470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	170483	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	164845	48.243	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.480%
35) Dibromofluoromethane	7.628	113	164336	49.368	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.740%
50) Toluene-d8	10.103	98	674732	50.164	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.320%
62) 4-Bromofluorobenzene	12.402	95	168708	42.098	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.200%

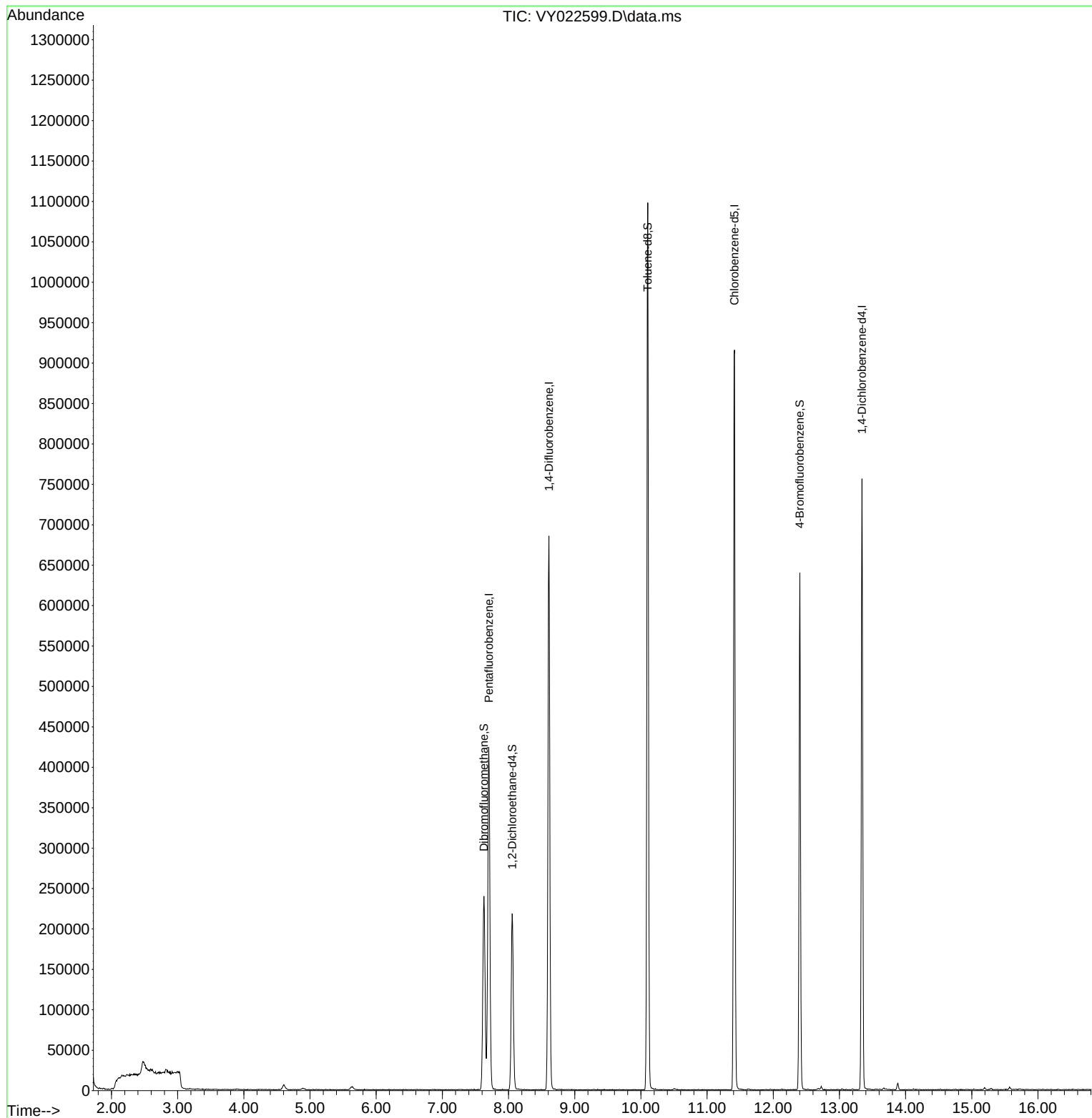
Target Compounds	Qvalue

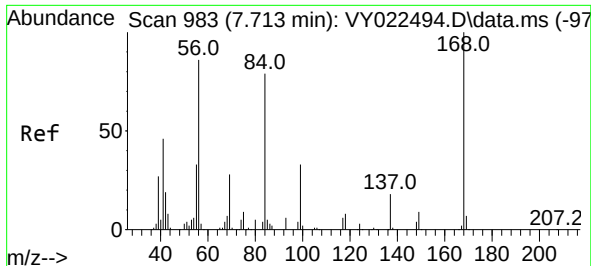
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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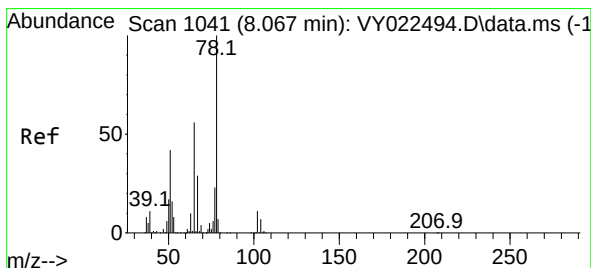
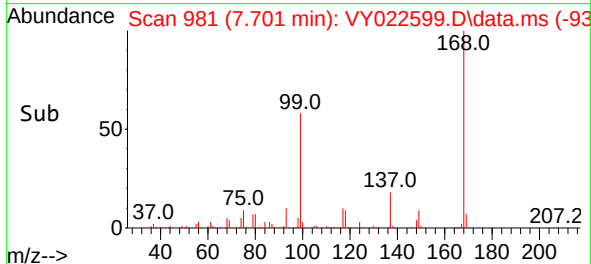
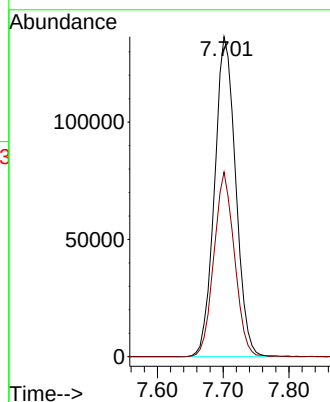
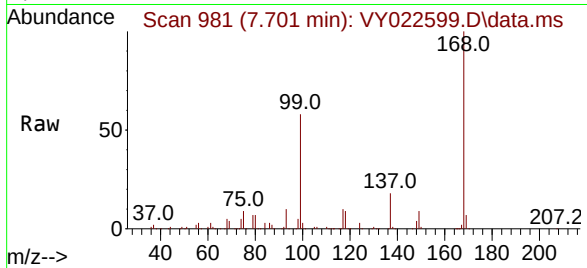




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

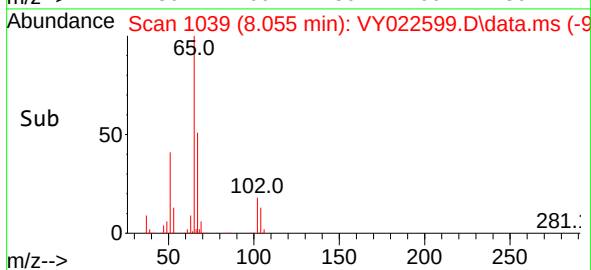
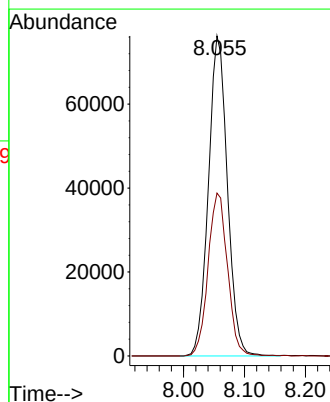
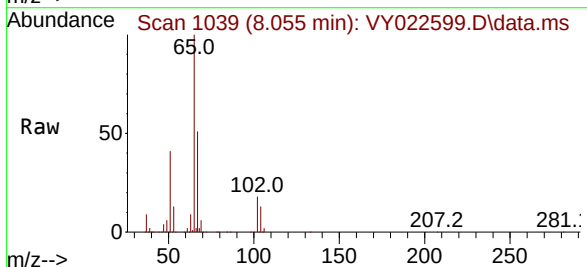
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-02

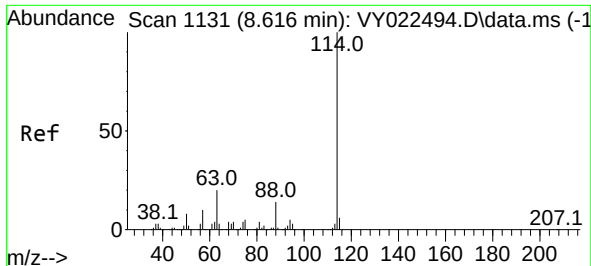
Tgt Ion:168 Resp: 305513
Ion Ratio Lower Upper
168 100
99 57.7 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 48.243 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 65 Resp: 164845
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4

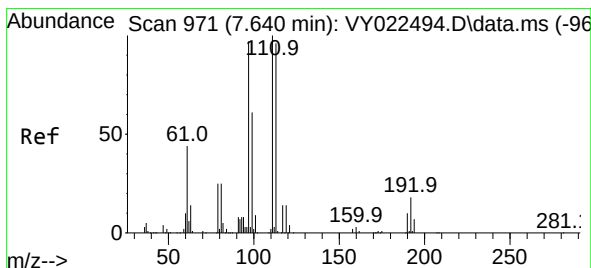
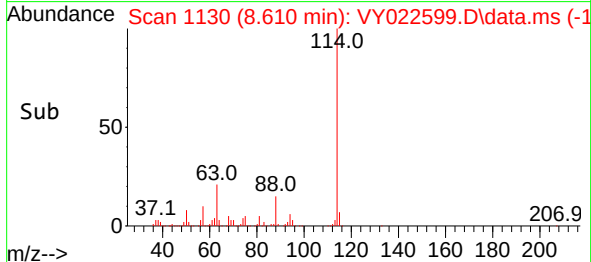
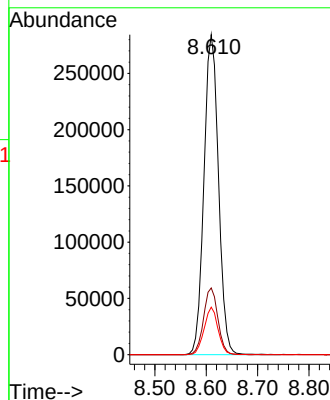
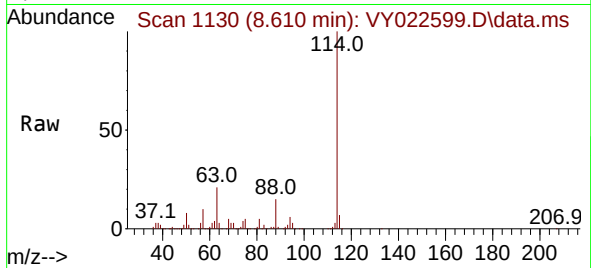




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

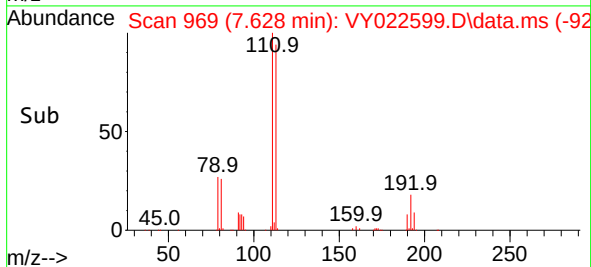
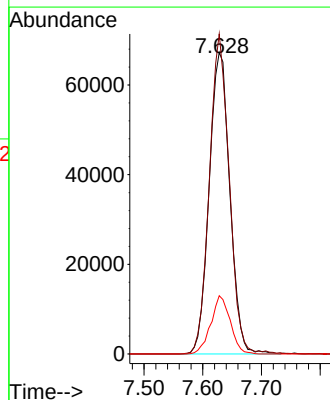
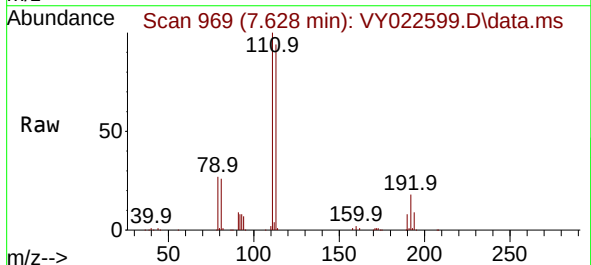
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-02

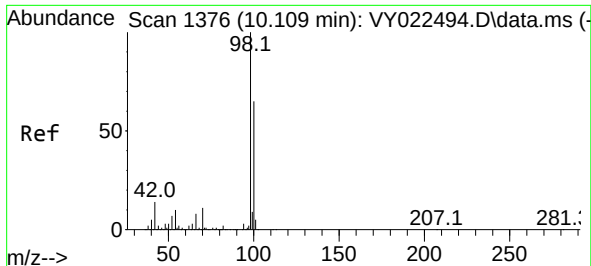
Tgt Ion:114 Resp: 557697
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 14.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.368 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

Tgt Ion:113 Resp: 164336
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 18.1 14.2 21.2

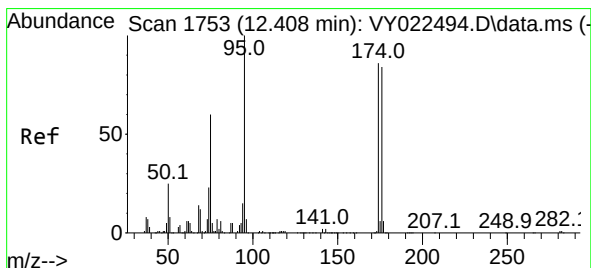
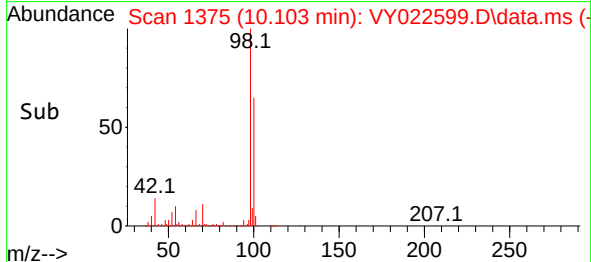
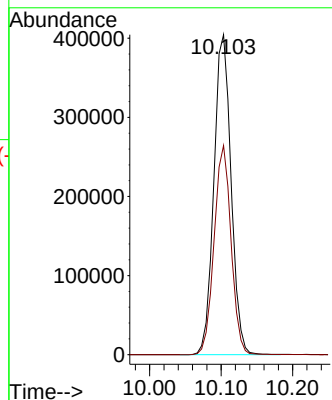
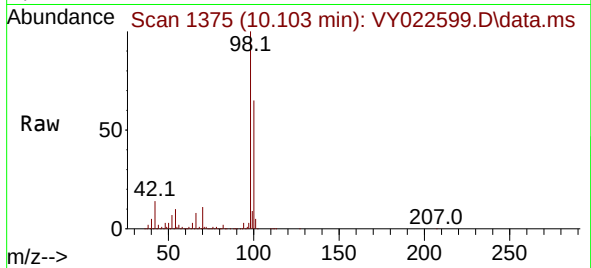




#50
Toluene-d8
Concen: 50.164 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

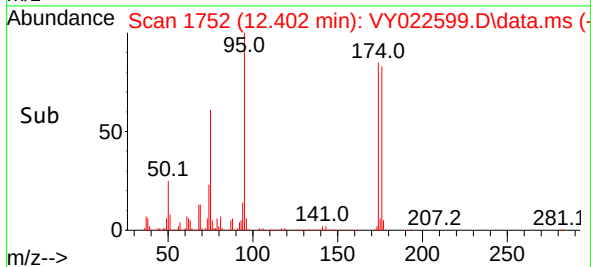
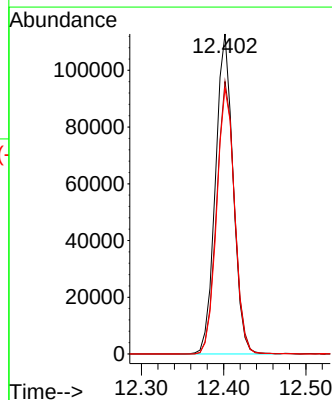
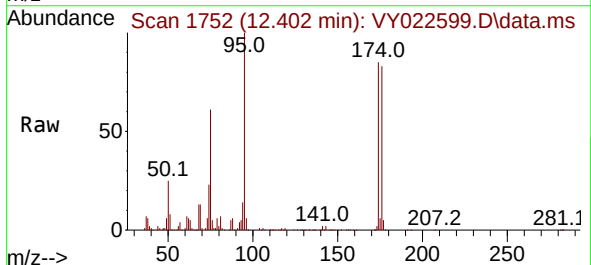
Instrument :
MSVOA_Y
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BU-703-VOC-02

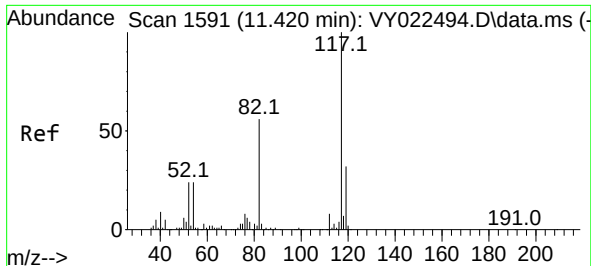
Tgt Ion: 98 Resp: 674732
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.098 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 95 Resp: 168708
Ion Ratio Lower Upper
95 100
174 86.1 0.0 170.0
176 83.8 0.0 166.2

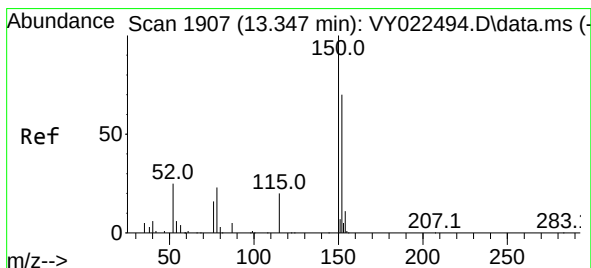
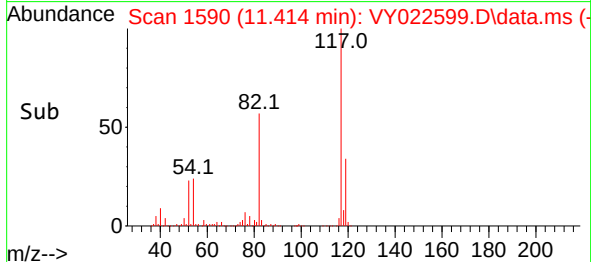
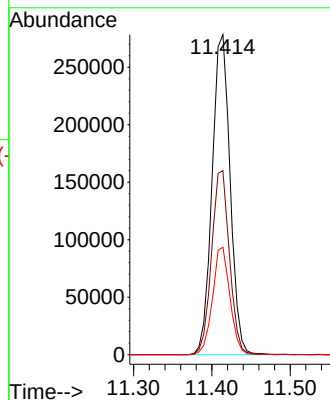
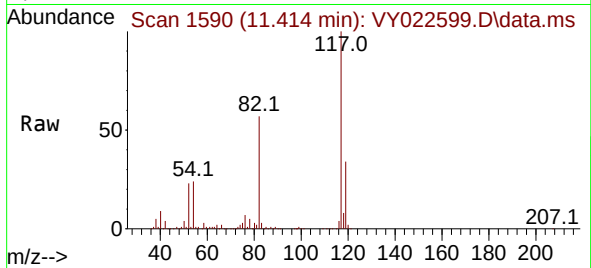




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-02

Tgt Ion:117 Resp: 445470
Ion Ratio Lower Upper
117 100
82 57.5 44.6 66.8
119 33.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.341 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

Tgt Ion:152 Resp: 170483
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 156.5 0.0 349.6

