

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022619.D
 Acq On : 09 Jun 2025 10:52
 Operator : SY/MD
 Sample : Q2228-02
 Misc : 6.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP08-MHI-VOC

Quant Time: Jun 10 01:26:19 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	7.713	168	304519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	561610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	451373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	165937	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	168083	49.351	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.700%
35) Dibromofluoromethane	7.640	113	168724	50.333	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.660%
50) Toluene-d8	10.109	98	682222	50.368	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.740%
62) 4-Bromofluorobenzene	12.408	95	170059	42.139	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.280%

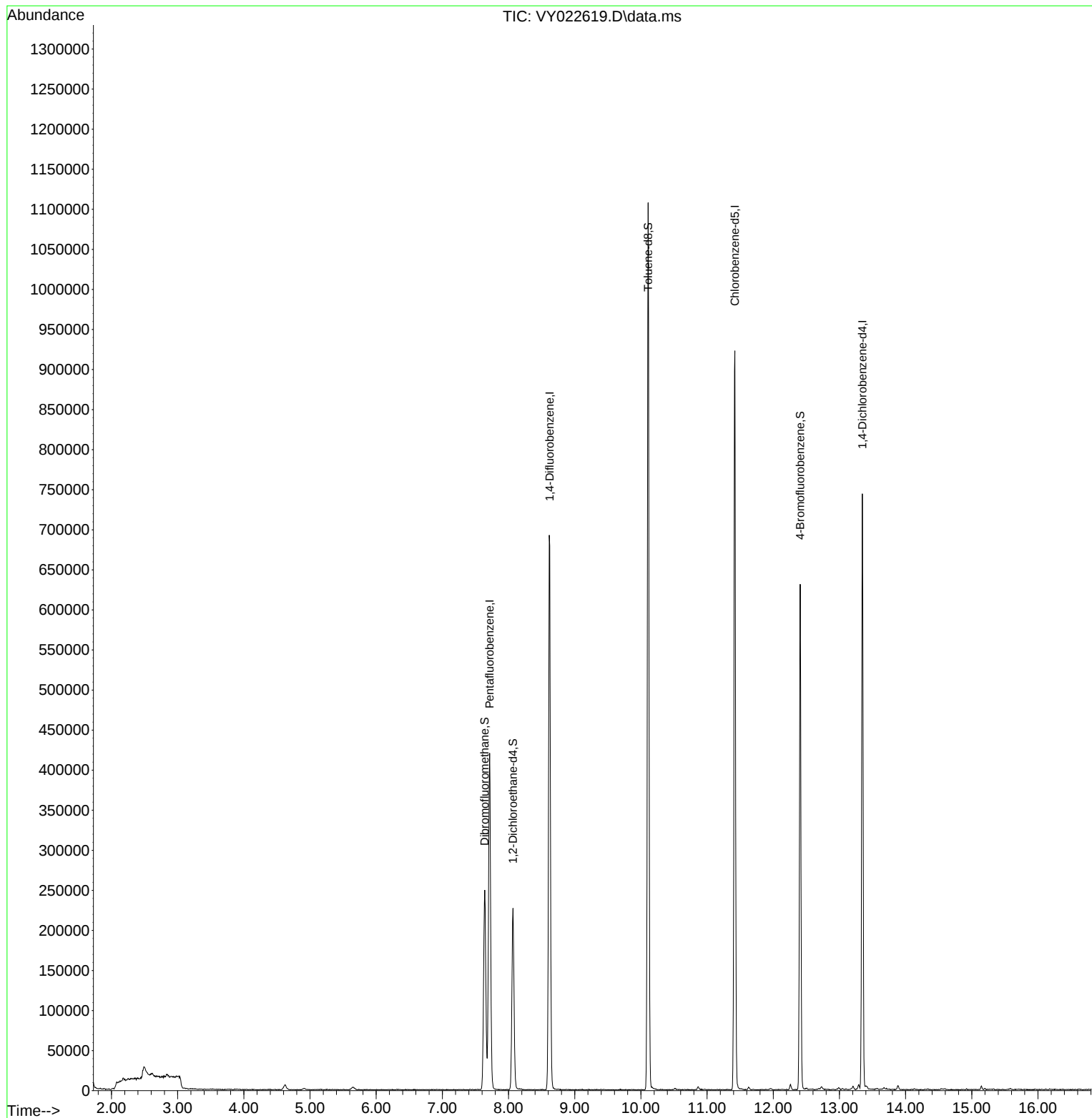
Target Compounds	Qvalue

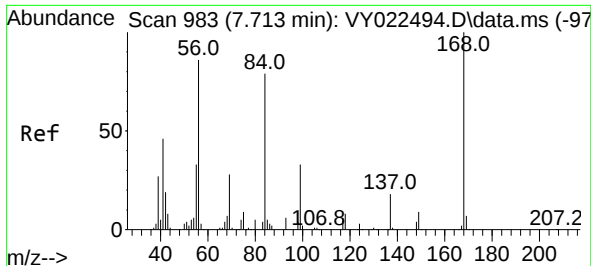
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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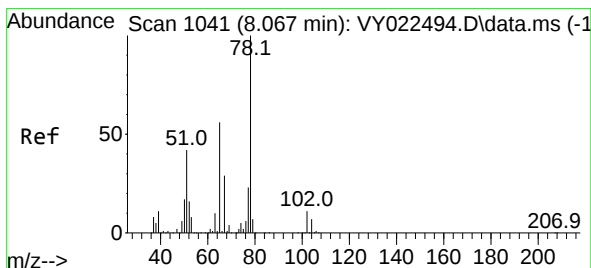
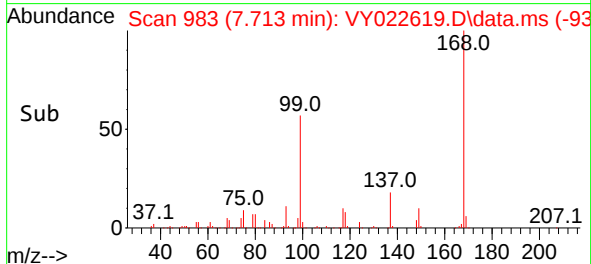
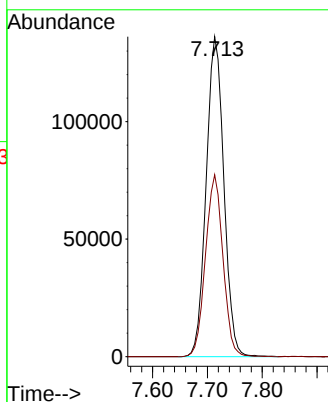
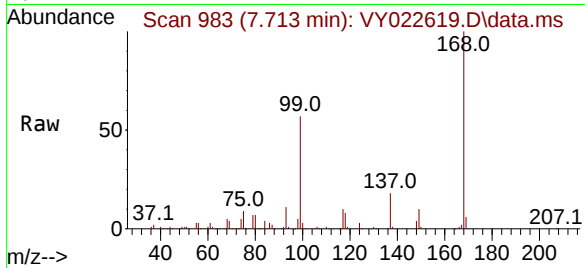




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

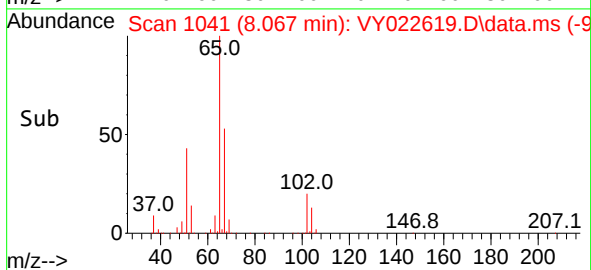
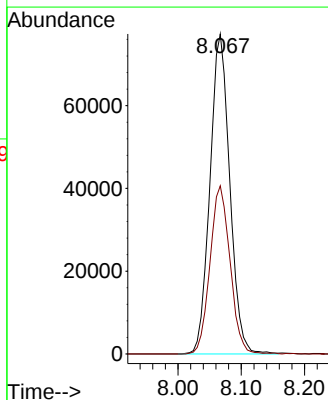
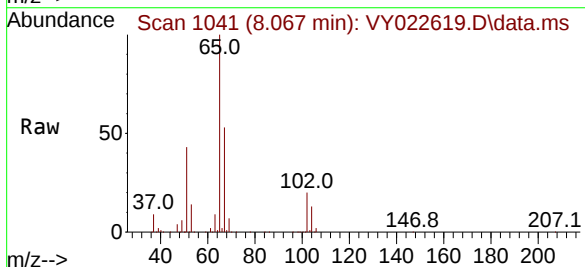
Instrument :
MSVOA_Y
ClientSampleId :
TP08-MHI-VOC

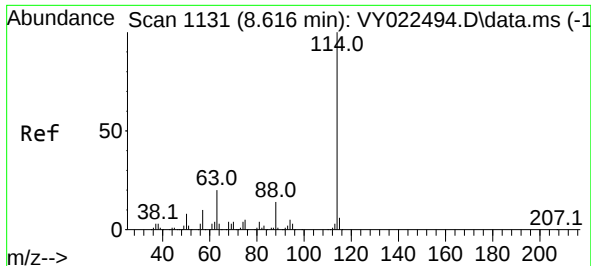
Tgt Ion:168 Resp: 304519
Ion Ratio Lower Upper
168 100
99 56.8 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.351 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

Tgt Ion: 65 Resp: 168083
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4

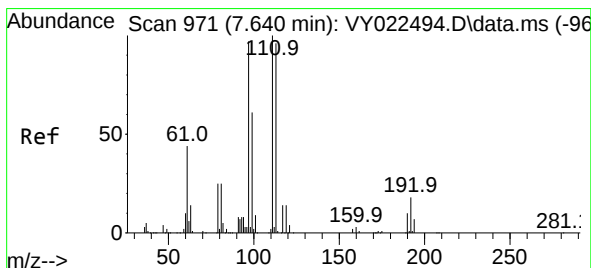
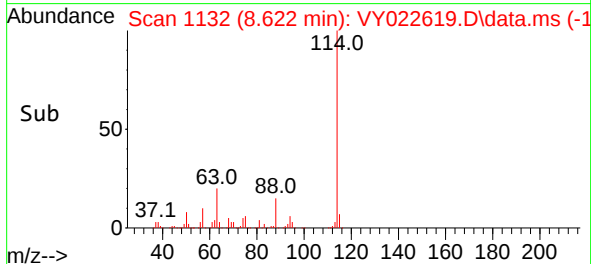
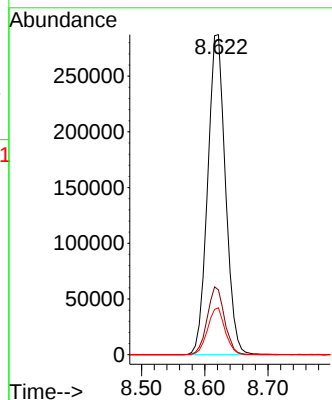
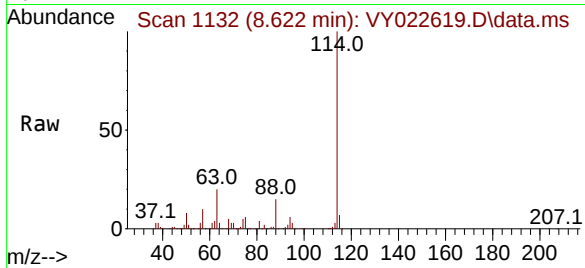




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.622 min Scan# 1132
 Delta R.T. 0.006 min
 Lab File: VY022619.D
 Acq: 09 Jun 2025 10:52

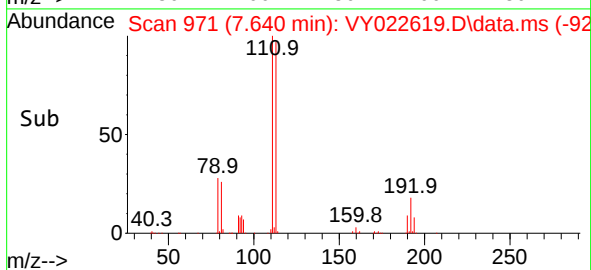
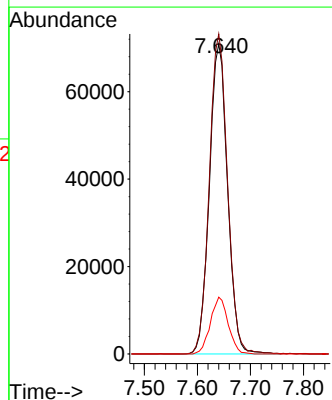
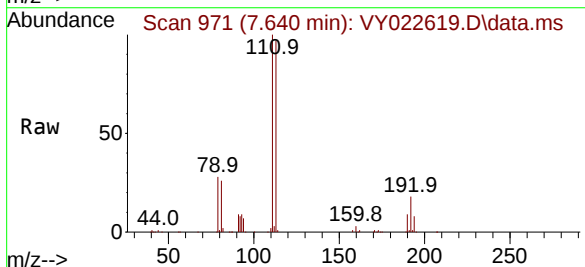
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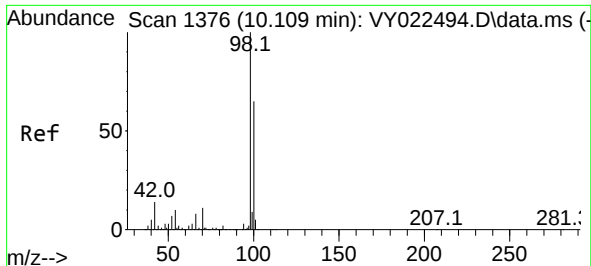
Tgt Ion:114 Resp: 561610
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.8
 88 14.7 0.0 27.8



#35
 Dibromofluoromethane
 Concen: 50.333 ug/l
 RT: 7.640 min Scan# 971
 Delta R.T. -0.000 min
 Lab File: VY022619.D
 Acq: 09 Jun 2025 10:52

Tgt Ion:113 Resp: 168724
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.1 121.7
 192 17.9 14.2 21.2

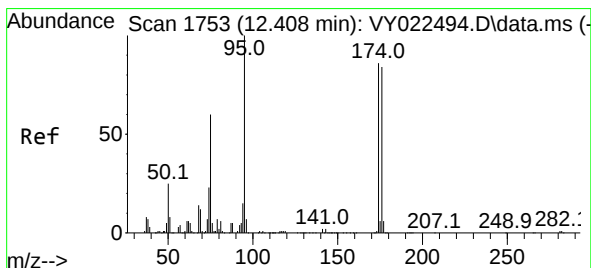
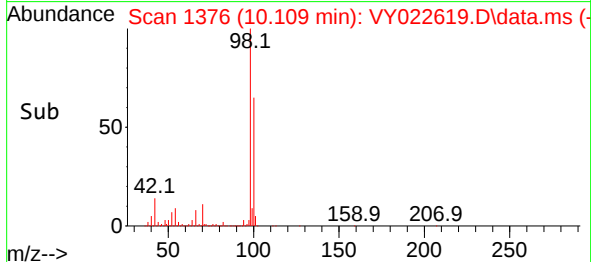
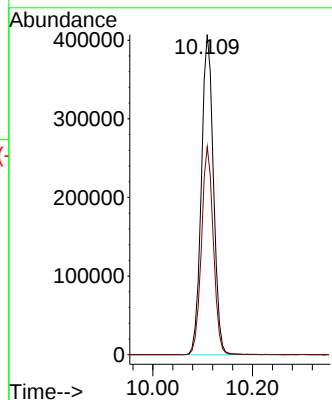
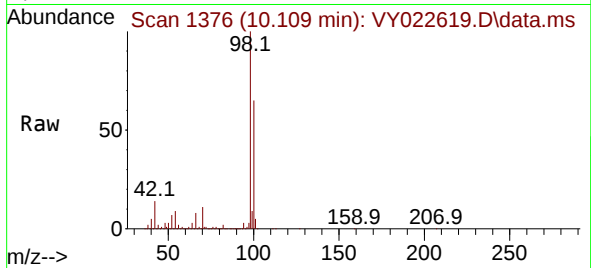




#50
Toluene-d8
Concen: 50.368 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

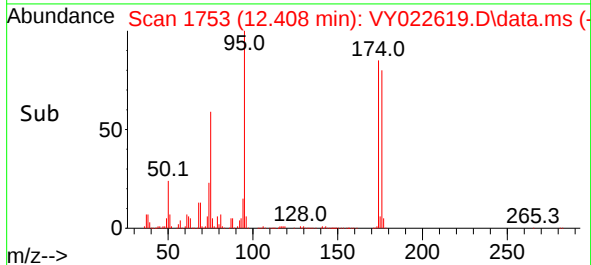
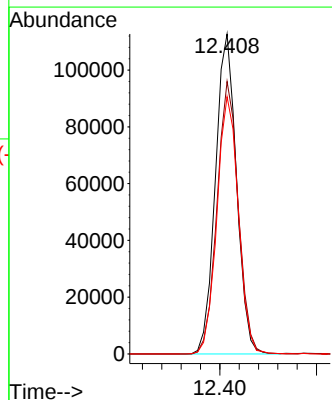
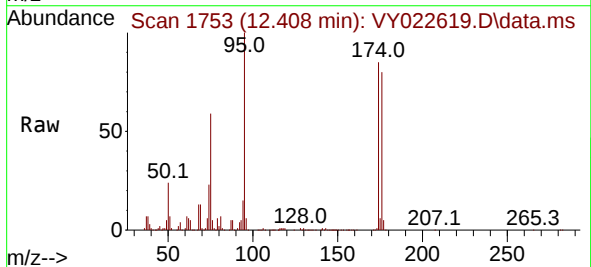
Instrument :
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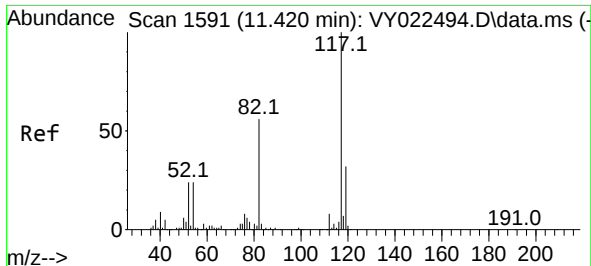
Tgt Ion: 98 Resp: 682222
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.139 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

Tgt Ion: 95 Resp: 170059
Ion Ratio Lower Upper
95 100
174 86.0 0.0 170.0
176 81.9 0.0 166.2

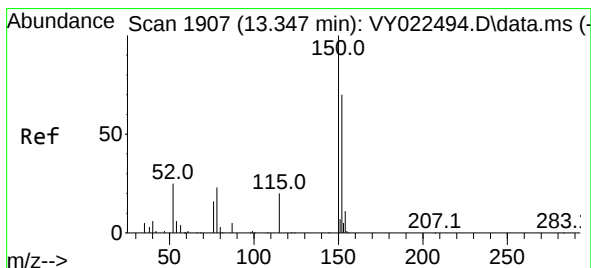
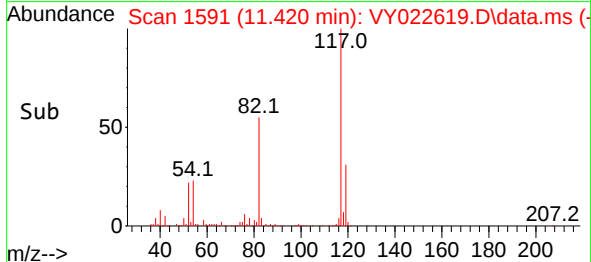
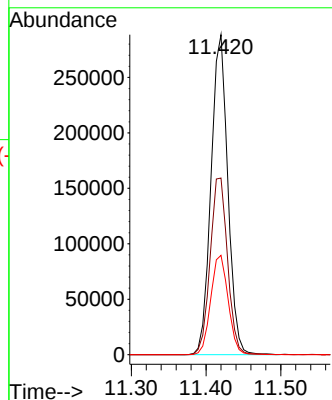
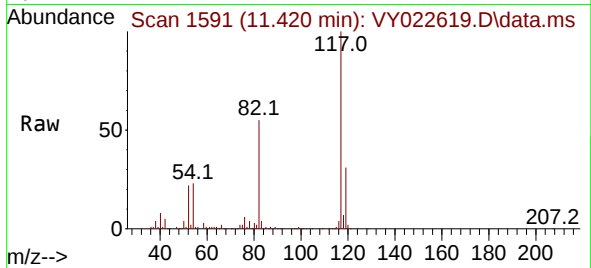




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

Instrument :
MSVOA_Y
ClientSampleId :
TP08-MHI-VOC

Tgt Ion:117 Resp: 451373
Ion Ratio Lower Upper
117 100
82 55.2 44.6 66.8
119 31.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022619.D
Acq: 09 Jun 2025 10:52

Tgt Ion:152 Resp: 165937
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 155.6 0.0 349.6

