

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022627.D
 Acq On : 09 Jun 2025 13:59
 Operator : SY/MD
 Sample : Q2242-02
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP09-MHJ-VOC

Quant Time: Jun 10 01:29:17 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	280959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	521463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	429167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	156297	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162466	51.702	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.400%
35) Dibromofluoromethane	7.634	113	159680	51.303	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.600%
50) Toluene-d8	10.109	98	641581	51.014	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.020%
62) 4-Bromofluorobenzene	12.408	95	160260	42.768	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.540%

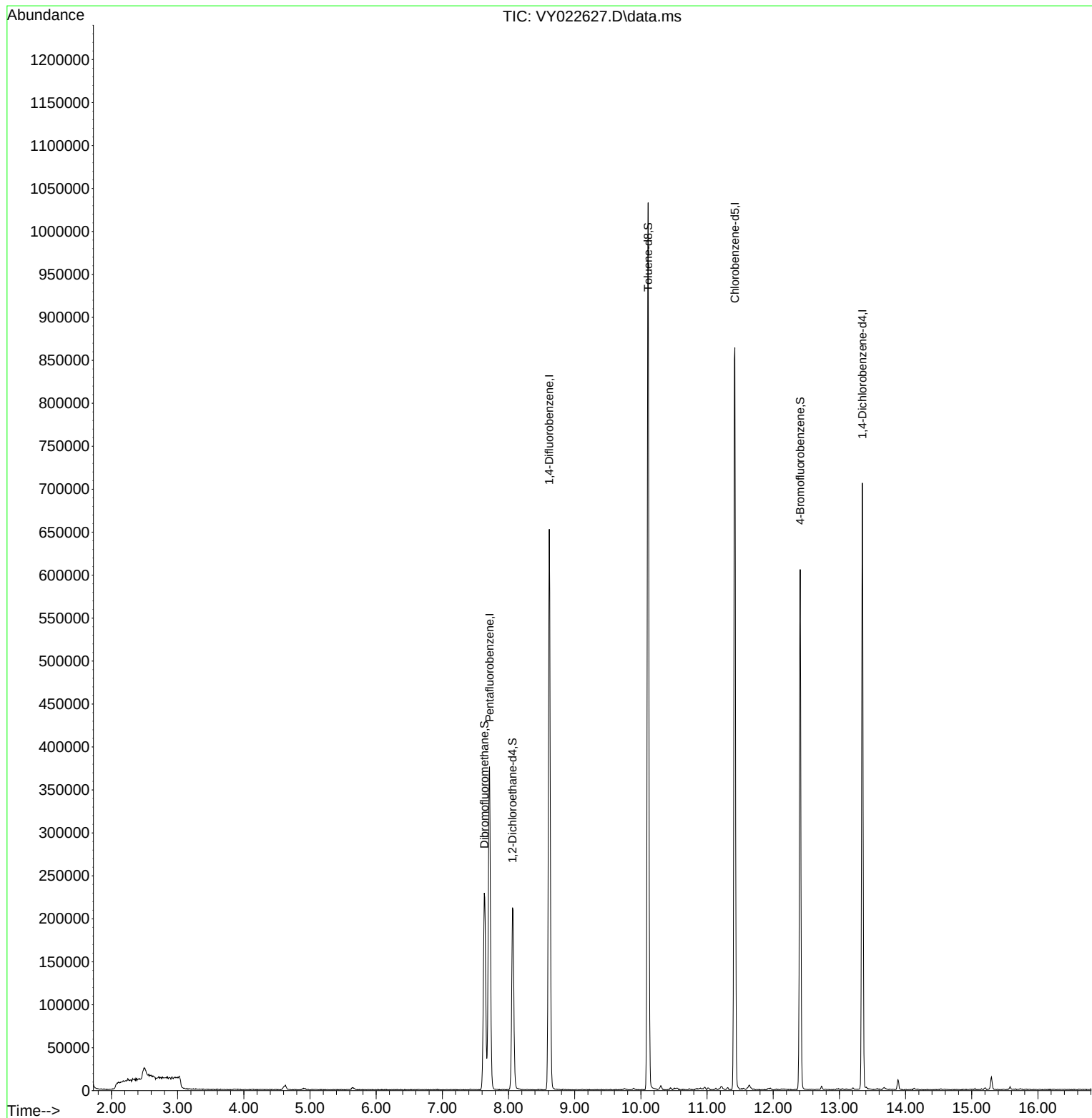
Target Compounds	Qvalue

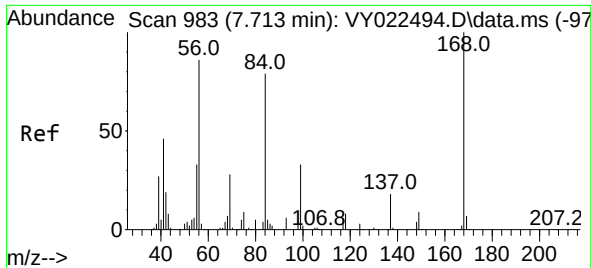
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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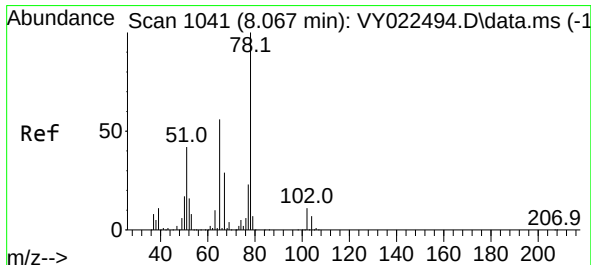
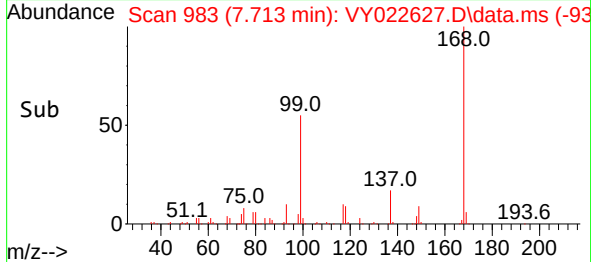
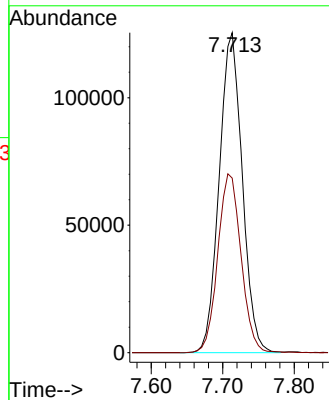
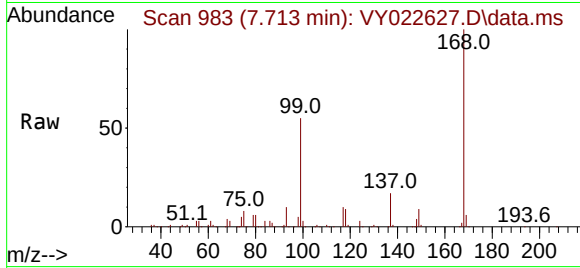




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

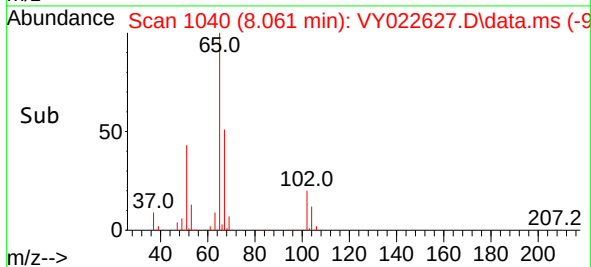
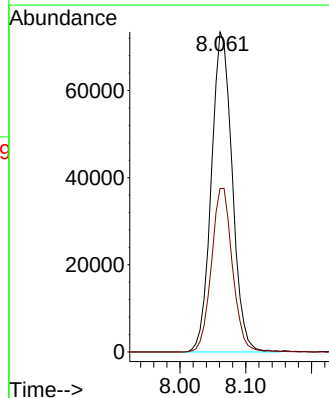
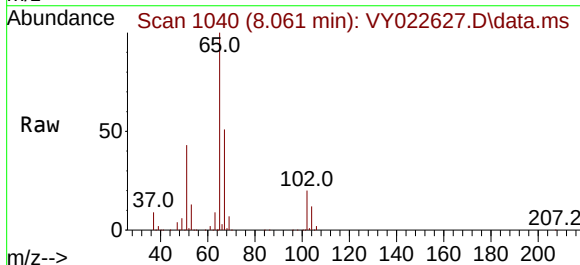
Instrument :
MSVOA_Y
ClientSampleId :
TP09-MHJ-VOC

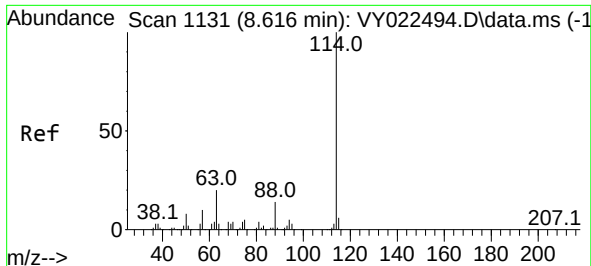
Tgt Ion:168 Resp: 280959
Ion Ratio Lower Upper
168 100
99 54.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 51.702 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

Tgt Ion: 65 Resp: 162466
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4

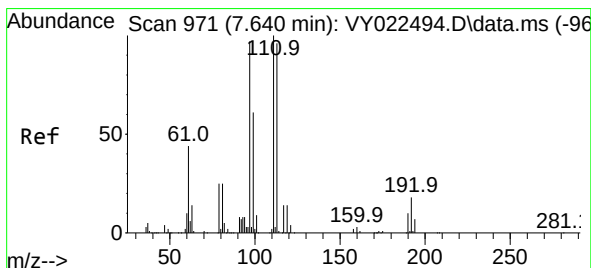
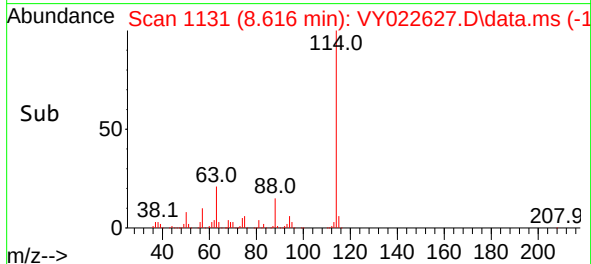
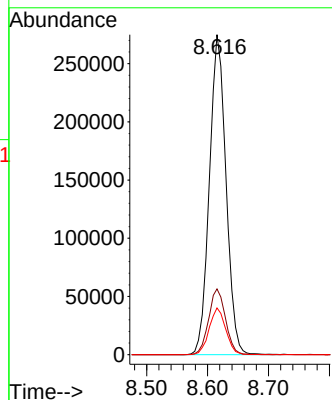
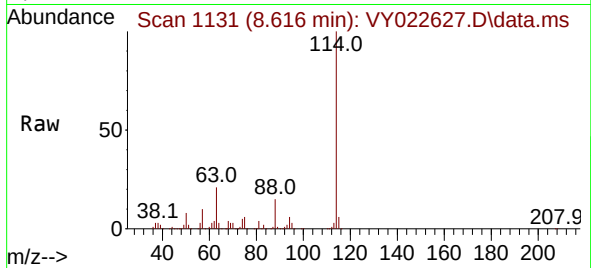




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY022627.D
 Acq: 09 Jun 2025 13:59

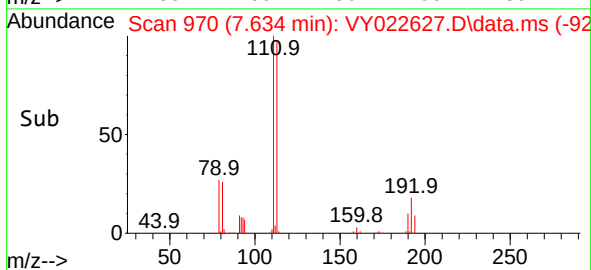
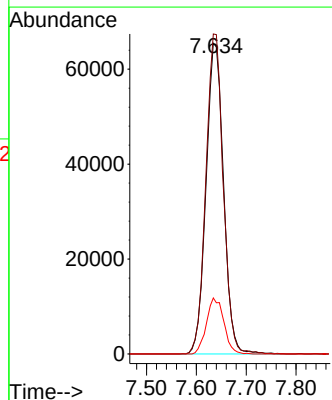
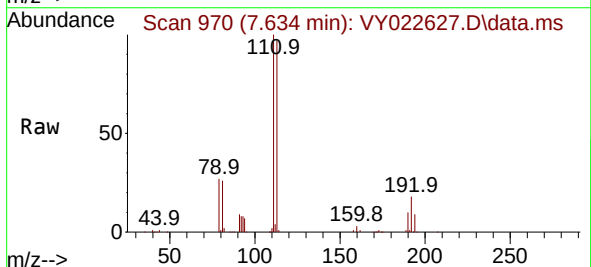
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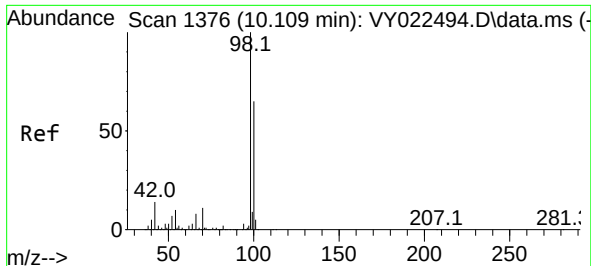
Tgt Ion:114 Resp: 521463
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 14.6 0.0 27.8



#35
 Dibromofluoromethane
 Concen: 51.303 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. -0.006 min
 Lab File: VY022627.D
 Acq: 09 Jun 2025 13:59

Tgt Ion:113 Resp: 159680
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.1 121.7
 192 17.9 14.2 21.2

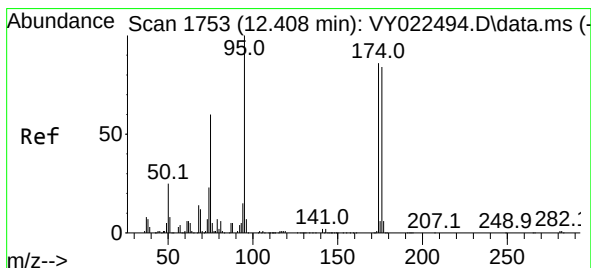
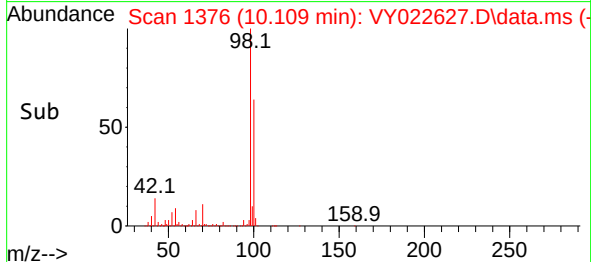
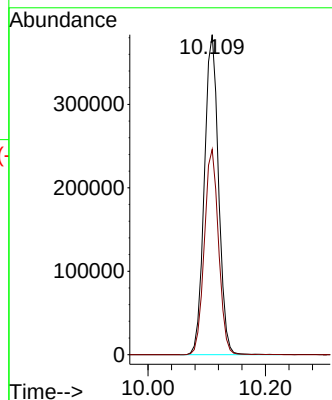
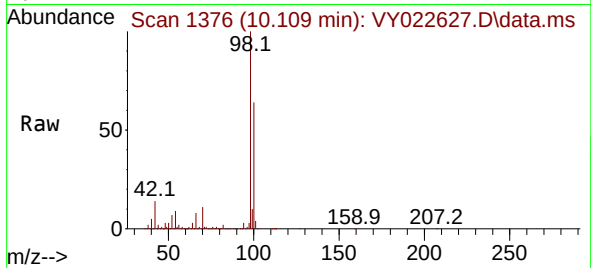




#50
Toluene-d8
Concen: 51.014 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

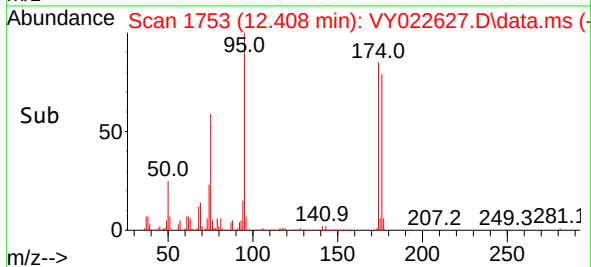
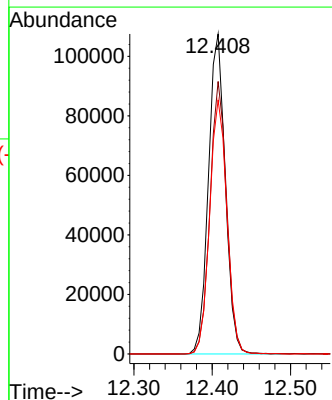
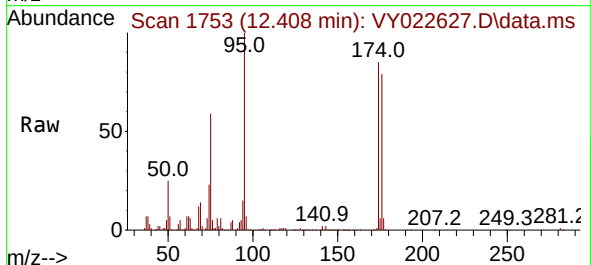
Instrument :
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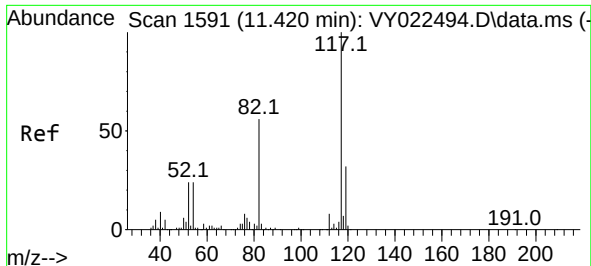
Tgt Ion: 98 Resp: 641581
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.768 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

Tgt Ion: 95 Resp: 160260
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.0
176 81.5 0.0 166.2

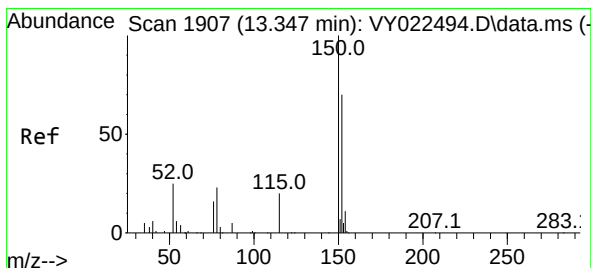
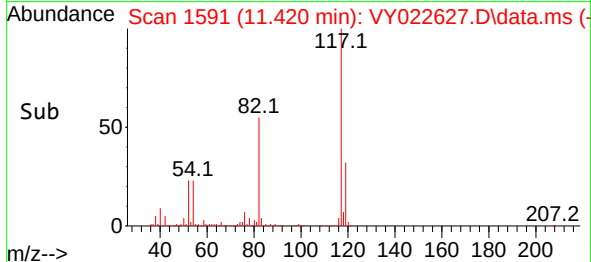
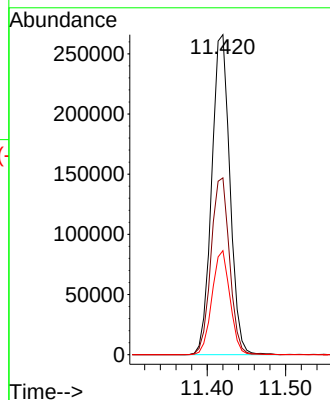
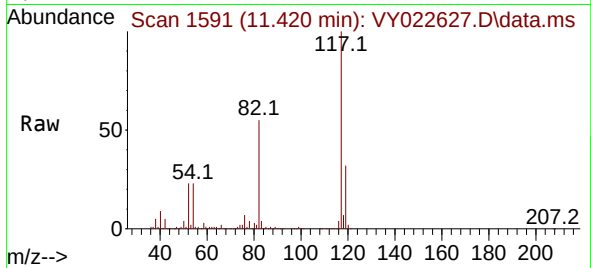




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022627.D
Acq: 09 Jun 2025 13:59

Instrument :
MSVOA_Y
ClientSampleId :
TP09-MHJ-VOC

Tgt Ion:117 Resp: 429167
Ion Ratio Lower Upper
117 100
82 55.2 44.6 66.8
119 32.5 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: VY022627.D
Acq: 09 Jun 2025 13:59

Tgt Ion:152 Resp: 156297
Ion Ratio Lower Upper
152 100
115 56.5 28.9 86.7
150 157.8 0.0 349.6

