

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111025\
 Data File : VN088241.D
 Acq On : 10 Nov 2025 15:25
 Operator : JC\MD
 Sample : Q3590-06
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0319

Quant Time: Nov 11 03:54:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

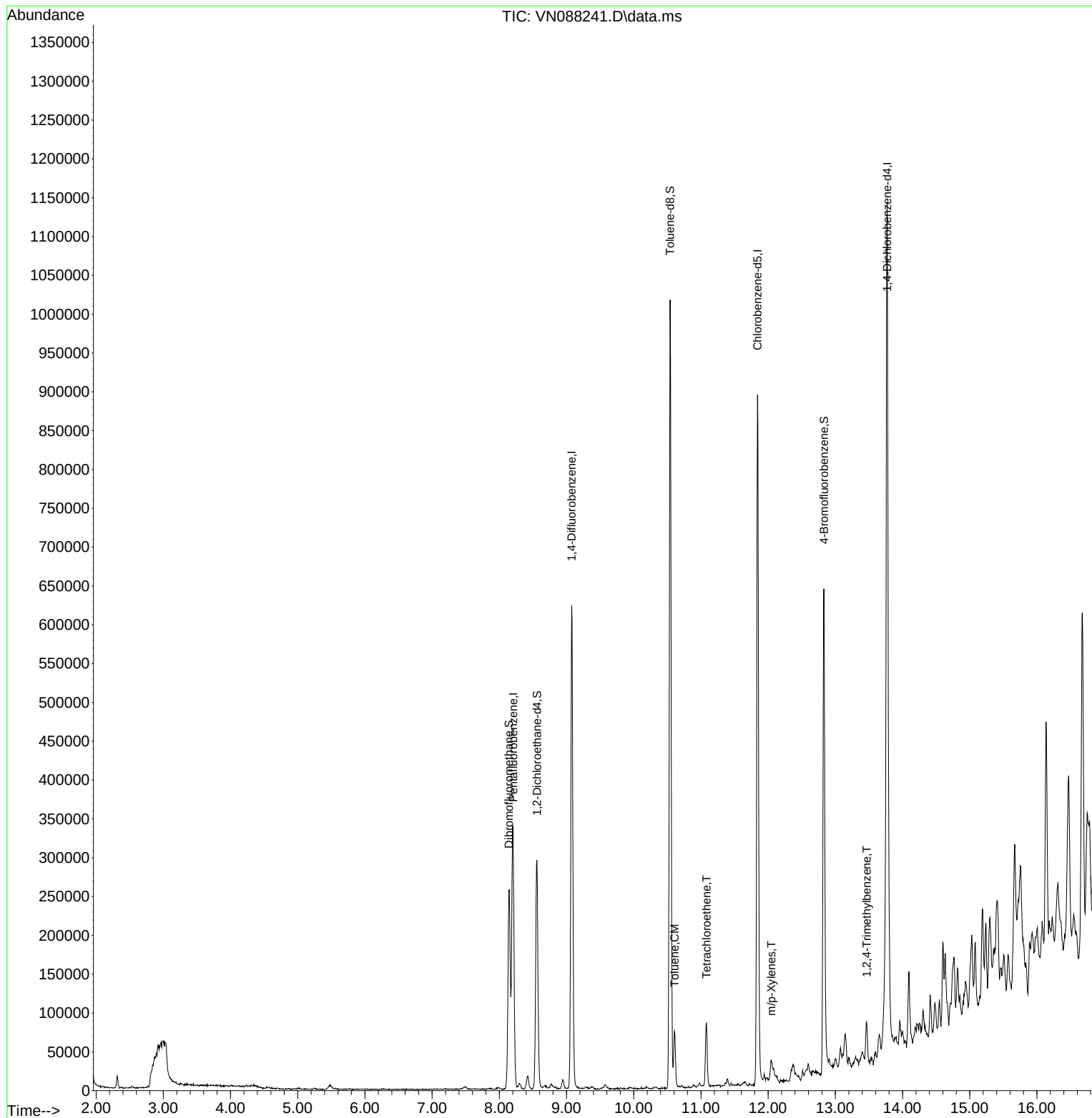
Internal Standards						
1) Pentafluorobenzene	8.206	168	222498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	516960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	488614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	239086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	251556	65.382	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 130.760%#			
35) Dibromofluoromethane	8.142	113	180790	52.056	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.120%			
50) Toluene-d8	10.541	98	667082	49.849	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.700%			
62) 4-Bromofluorobenzene	12.830	95	238193	50.401	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.800%			
Target Compounds						
52) Toluene	10.606	92	28886	3.034	ug/l	94
64) Tetrachloroethene	11.083	164	17345	5.382	ug/l	98
68) m/p-Xylenes	12.047	106	7670	1.051	ug/l	99
84) 1,2,4-Trimethylbenzene	13.465	105	32087	2.094	ug/l	96

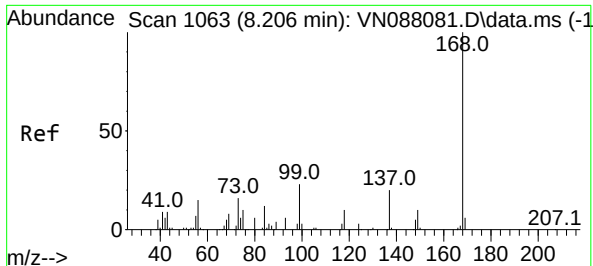
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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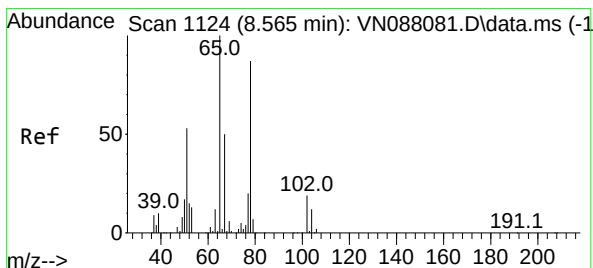
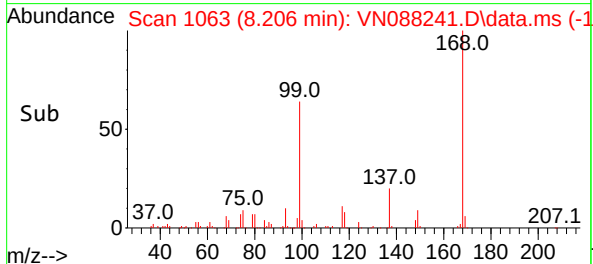
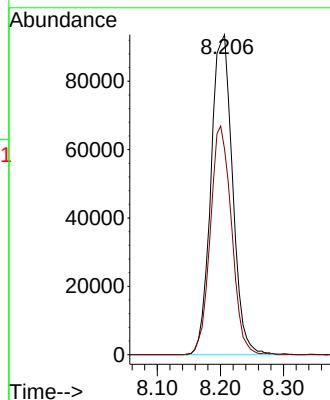
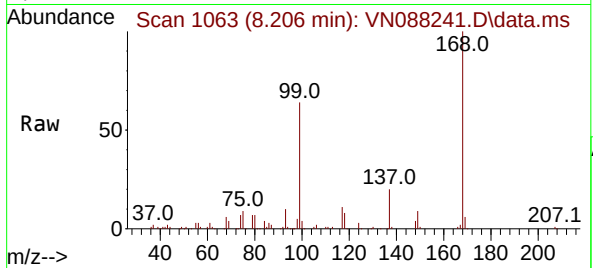




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 110
Delta R.T. 0.000 min
Lab File: VN088241.D
Acq: 10 Nov 2025 15:25

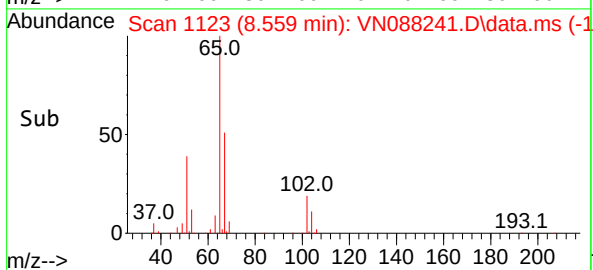
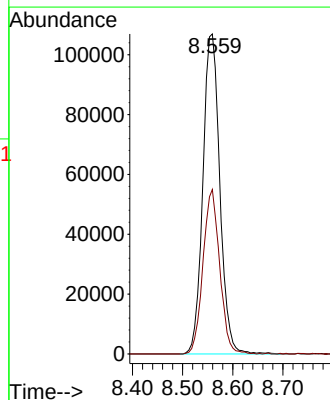
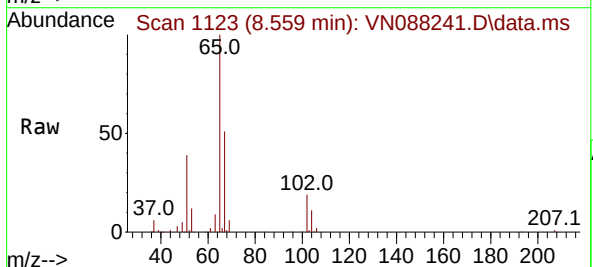
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0319

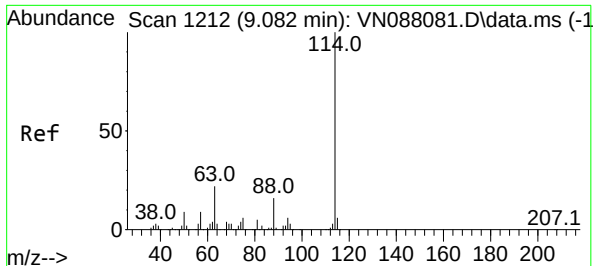
Tgt Ion:168 Resp: 222498
Ion Ratio Lower Upper
168 100
99 64.3 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 65.382 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088241.D
Acq: 10 Nov 2025 15:25

Tgt Ion: 65 Resp: 251556
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.0

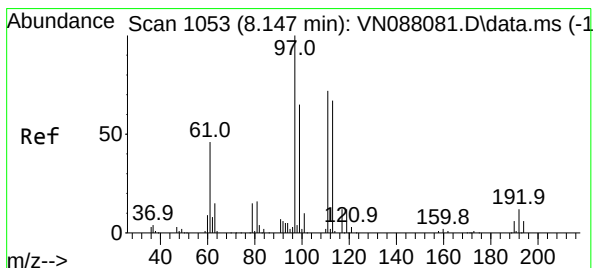
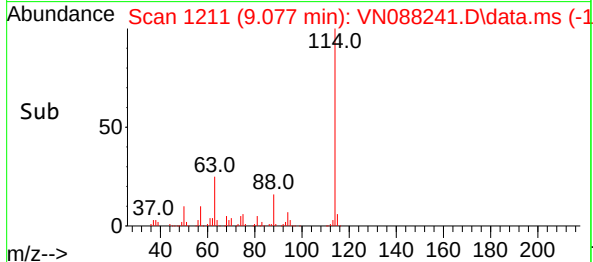
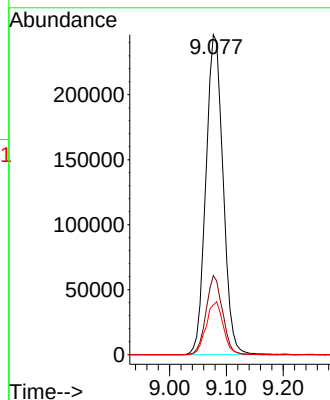
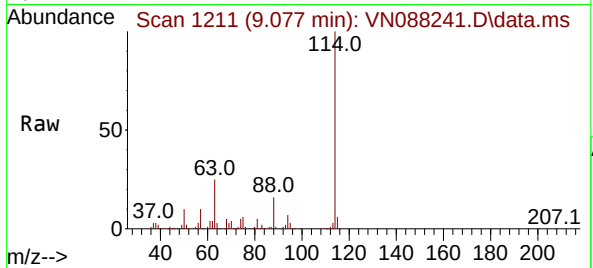




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.077 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088241.D
Acq: 10 Nov 2025 15:25

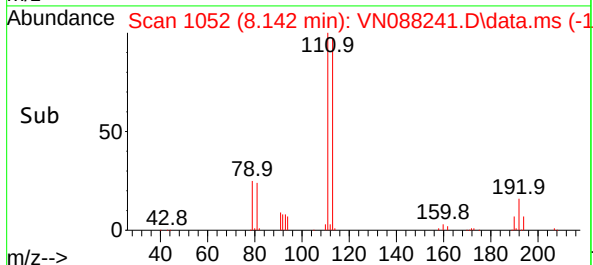
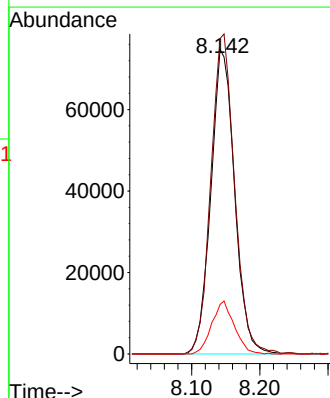
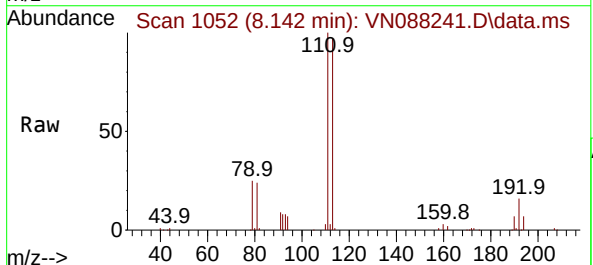
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0319

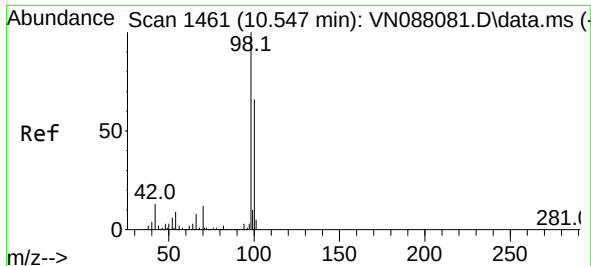
Tgt Ion:114 Resp: 516960
Ion Ratio Lower Upper
114 100
63 24.7 0.0 45.2
88 15.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 52.056 ug/l
RT: 8.142 min Scan# 1052
Delta R.T. -0.012 min
Lab File: VN088241.D
Acq: 10 Nov 2025 15:25

Tgt Ion:113 Resp: 180790
Ion Ratio Lower Upper
113 100
111 105.1 82.8 124.2
192 16.5 12.8 19.2

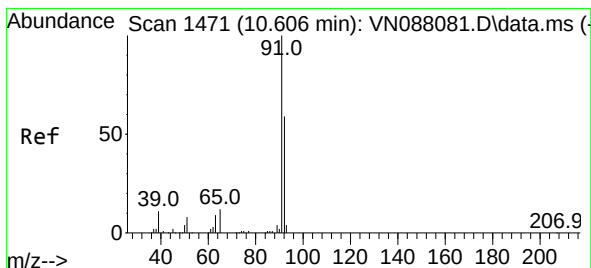
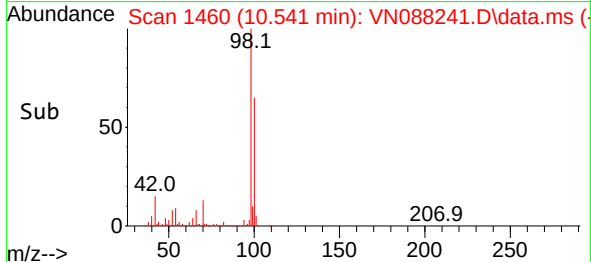
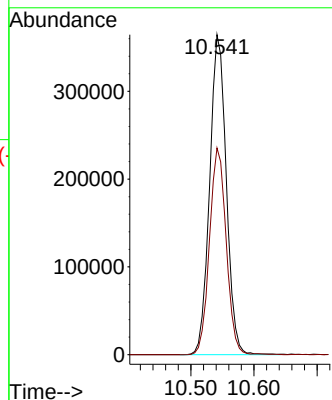
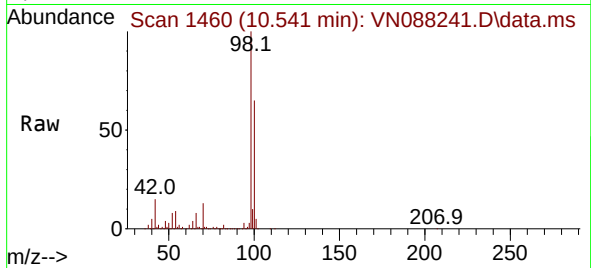




#50
Toluene-d8
Concen: 49.849 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088241.D
Acq: 10 Nov 2025 15:25

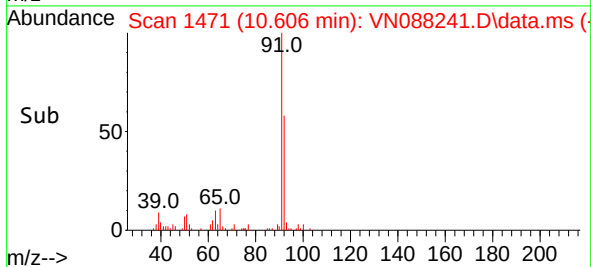
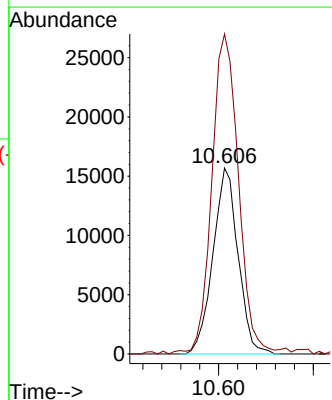
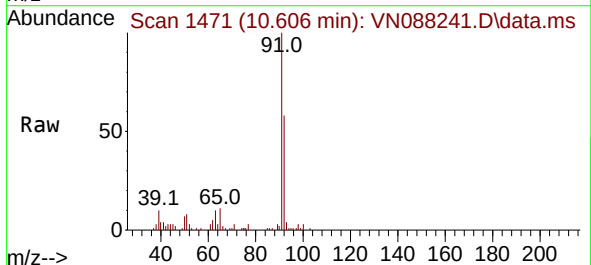
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0319

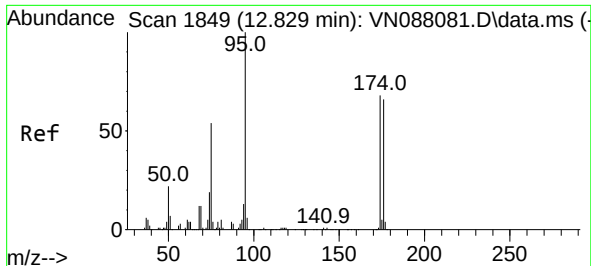
Tgt Ion: 98 Resp: 667082
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2



#52
Toluene
Concen: 3.034 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088241.D
Acq: 10 Nov 2025 15:25

Tgt Ion: 92 Resp: 28886
Ion Ratio Lower Upper
92 100
91 183.6 140.4 210.6

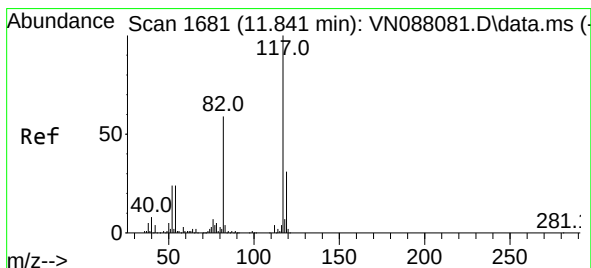
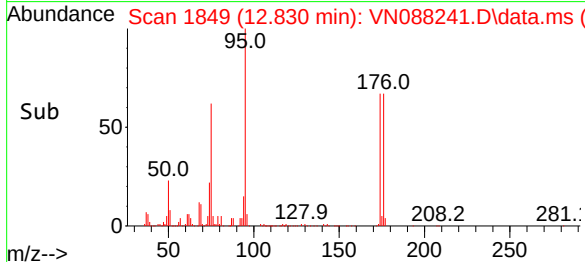
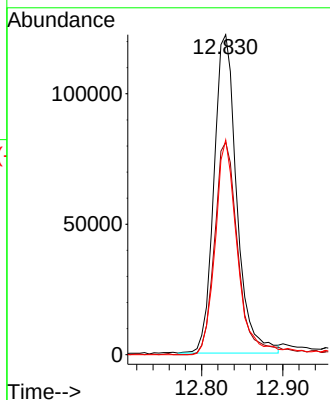
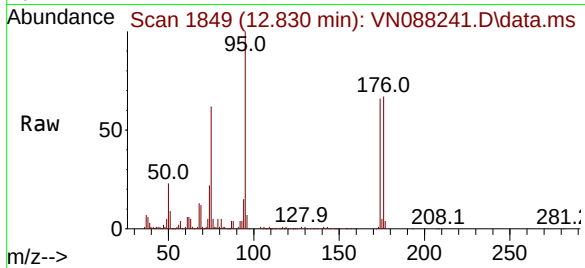




#62
4-Bromofluorobenzene
Concen: 50.401 ug/l
RT: 12.830 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088241.D
Acq: 10 Nov 2025 15:25

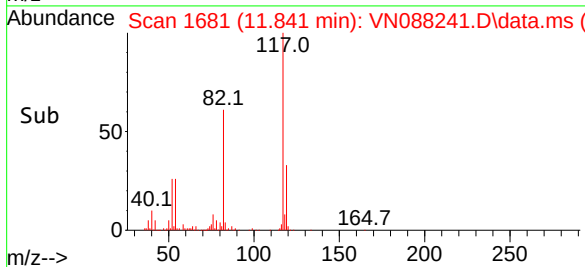
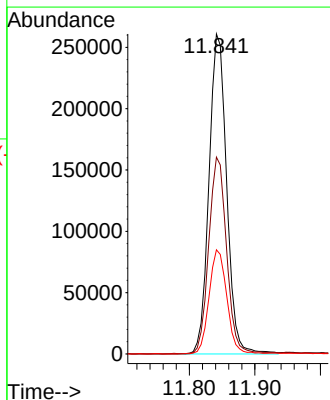
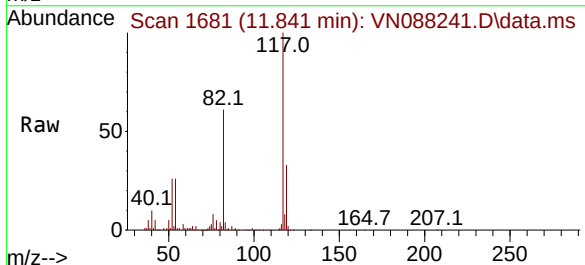
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0319

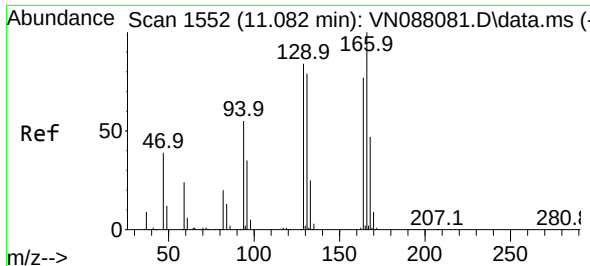
Tgt Ion: 95 Resp: 238193
Ion Ratio Lower Upper
95 100
174 69.5 0.0 138.4
176 65.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN088241.D
Acq: 10 Nov 2025 15:25

Tgt Ion: 117 Resp: 488614
Ion Ratio Lower Upper
117 100
82 61.4 47.4 71.2
119 32.5 24.3 36.5



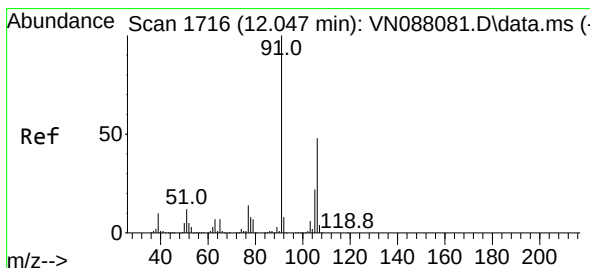
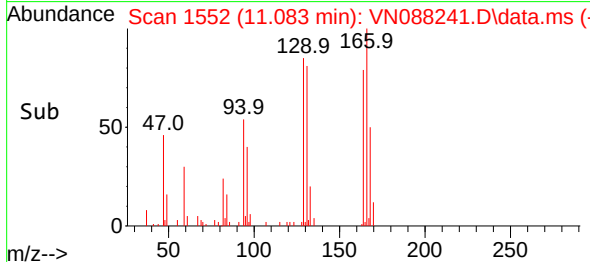
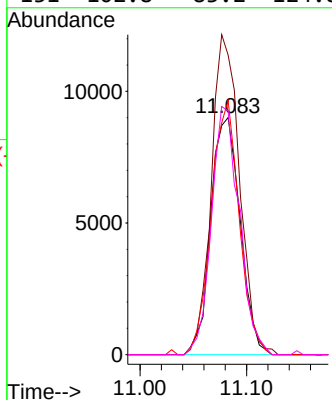
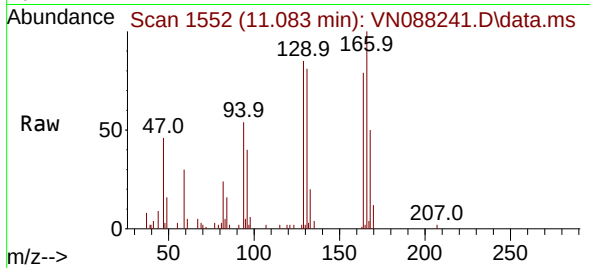


#64
Tetrachloroethene
Concen: 5.382 ug/l
RT: 11.083 min Scan# 11552
Delta R.T. 0.000 min
Lab File: VN088241.D
Acq: 10 Nov 2025 15:25

Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0319

Tgt Ion:164 Resp: 17345

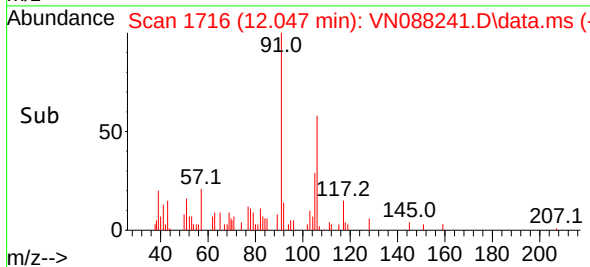
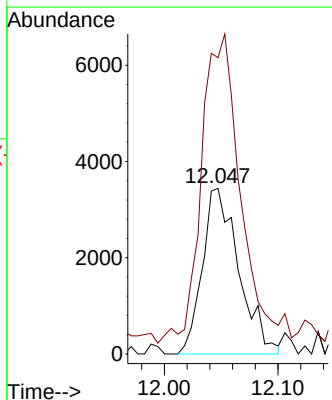
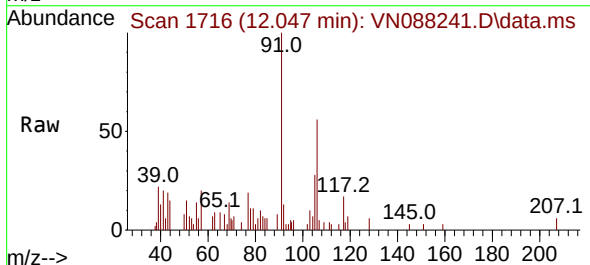
Ion	Ratio	Lower	Upper
164	100		
166	126.4	97.7	146.5
129	107.2	85.9	128.9
131	102.8	83.2	124.8

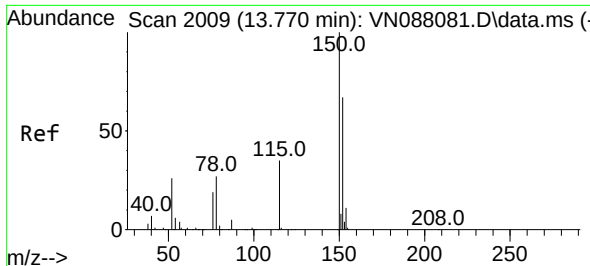


#68
m/p-Xylenes
Concen: 1.051 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088241.D
Acq: 10 Nov 2025 15:25

Tgt Ion:106 Resp: 7670

Ion	Ratio	Lower	Upper
106	100		
91	209.4	169.3	253.9

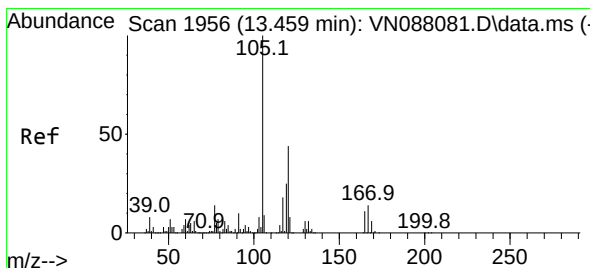
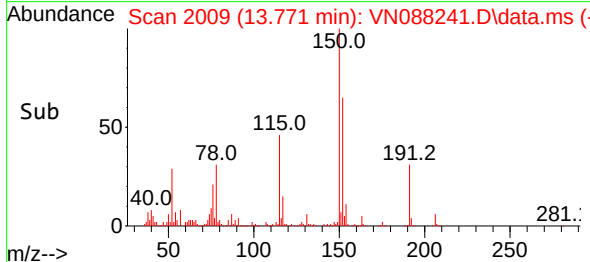
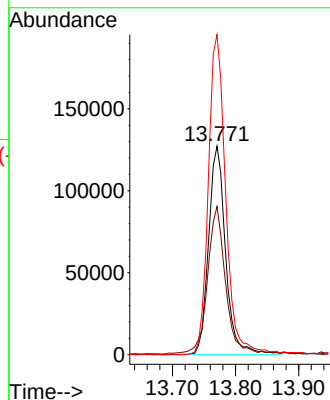
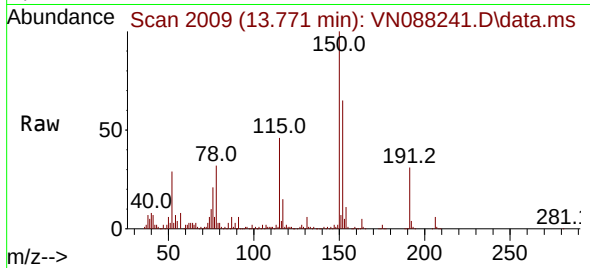




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 2009
 Delta R.T. 0.006 min
 Lab File: VN088241.D
 Acq: 10 Nov 2025 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0319

Tgt Ion:152 Resp: 239086
 Ion Ratio Lower Upper
 152 100
 115 73.8 32.3 96.8
 150 157.3 0.0 351.0



#84
 1,2,4-Trimethylbenzene
 Concen: 2.094 ug/l
 RT: 13.465 min Scan# 1957
 Delta R.T. 0.006 min
 Lab File: VN088241.D
 Acq: 10 Nov 2025 15:25

Tgt Ion:105 Resp: 32087
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.0 66.0

