

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088132.D
 Acq On : 28 Oct 2025 12:35
 Operator : JC\MD
 Sample : Q3426-01DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP2DL

Quant Time: Oct 29 02:20:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

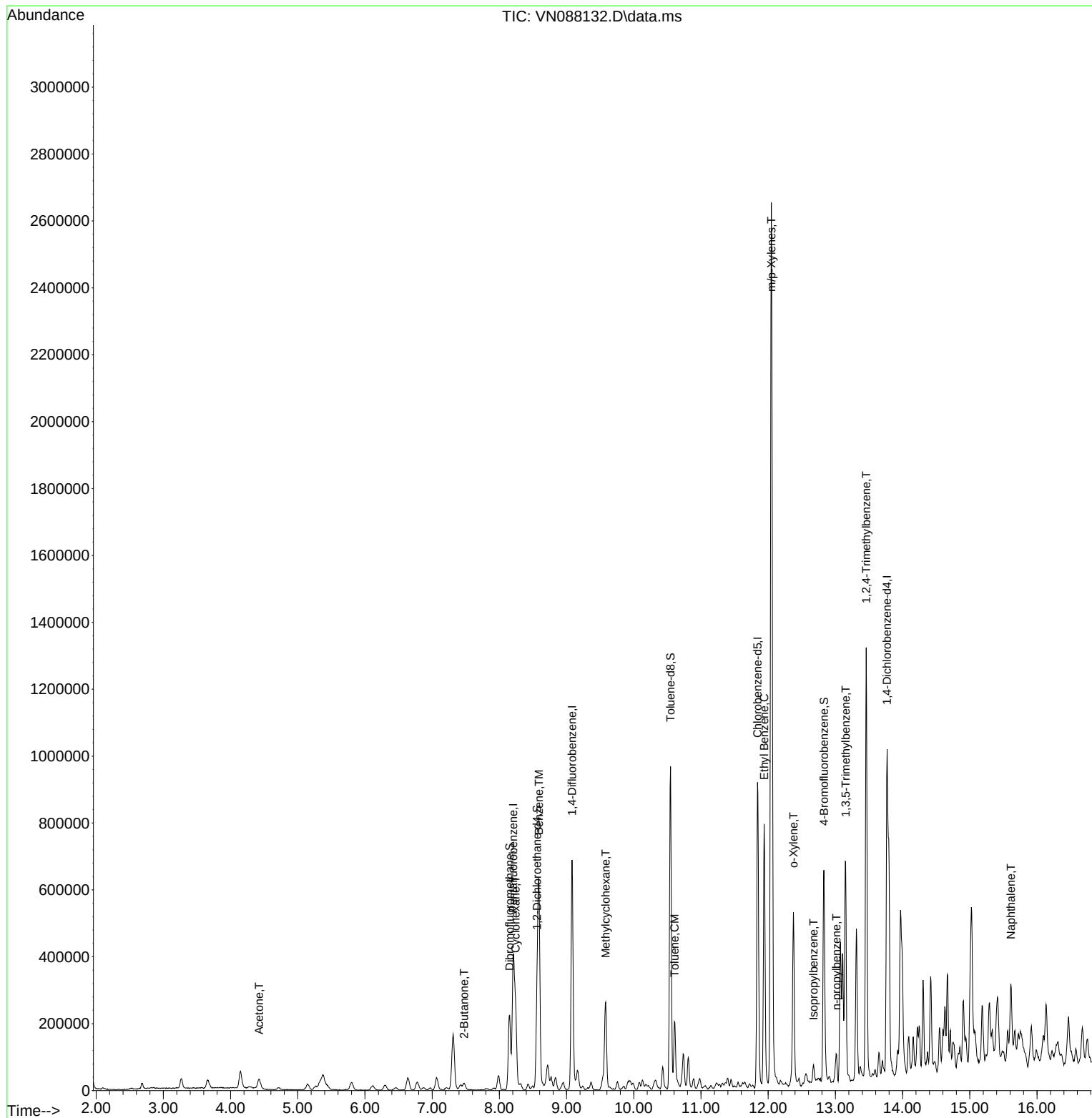
Internal Standards						
1) Pentafluorobenzene	8.206	168	238689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	533116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	499340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	241900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	217152	52.612	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.220%			
35) Dibromofluoromethane	8.153	113	161545	45.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.220%			
50) Toluene-d8	10.547	98	603883	43.759	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 87.520%			
62) 4-Bromofluorobenzene	12.829	95	247606	50.805	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.600%			
Target Compounds					Qvalue	
16) Acetone	4.424	43	59236	28.567	ug/l	97
25) 2-Butanone	7.477	43	34063	12.465	ug/l	93
31) Cyclohexane	8.241	56	142950	24.742	ug/l	95
39) Methylcyclohexane	9.582	83	106715	15.876	ug/l	94
40) Benzene	8.588	78	568660	35.707	ug/l	99
52) Toluene	10.606	92	84641	8.620	ug/l	99
67) Ethyl Benzene	11.941	91	559854	28.130	ug/l	99
68) m/p-Xylenes	12.047	106	822064	110.239	ug/l	100
69) o-Xylene	12.376	106	142636	20.177	ug/l	97
73) Isopropylbenzene	12.676	105	35288	1.891	ug/l	100
78) n-propylbenzene	13.018	91	69254	3.042	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	342380	22.096	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	728307	46.979	ug/l	99
95) Naphthalene	15.611	128	222124	13.829	ug/l	97

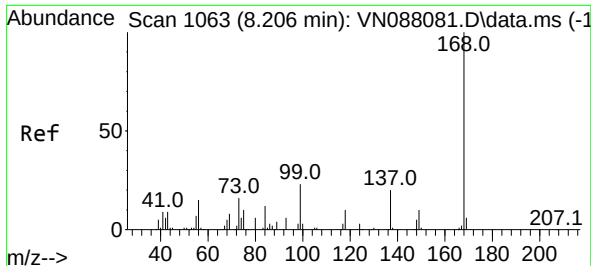
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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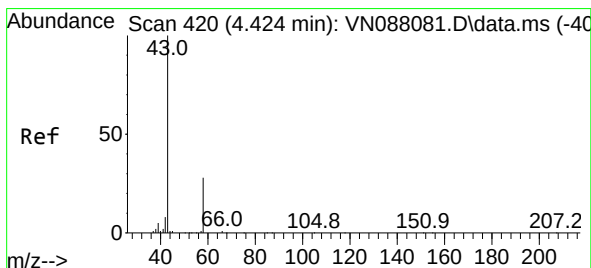
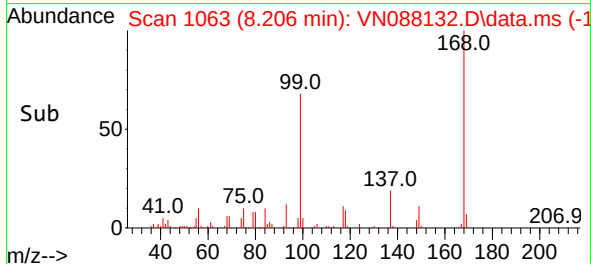
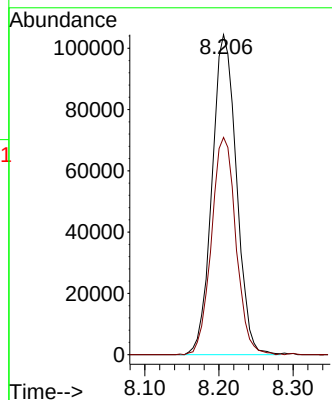
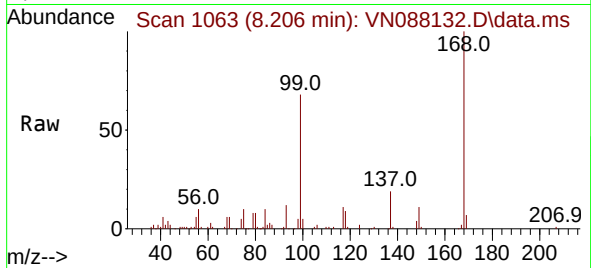




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

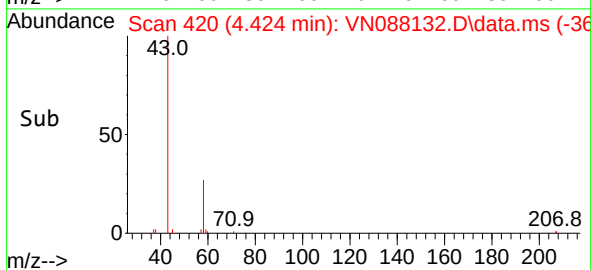
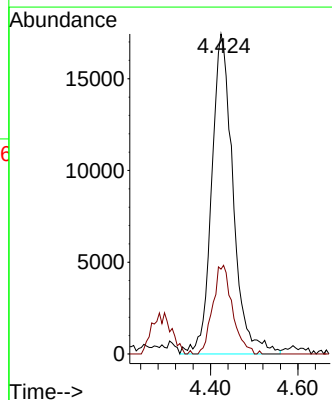
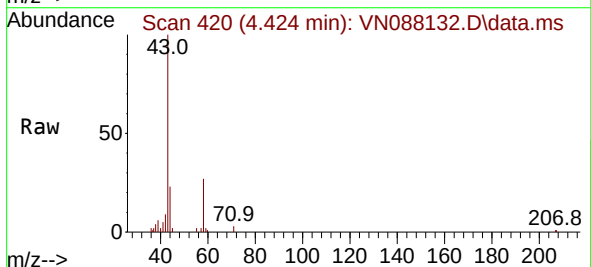
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

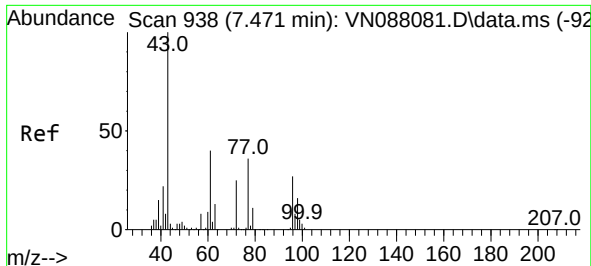
Tgt Ion:168 Resp: 238689
Ion Ratio Lower Upper
168 100
99 67.7 57.2 85.8



#16
Acetone
Concen: 28.567 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 43 Resp: 59236
Ion Ratio Lower Upper
43 100
58 26.5 22.6 33.8

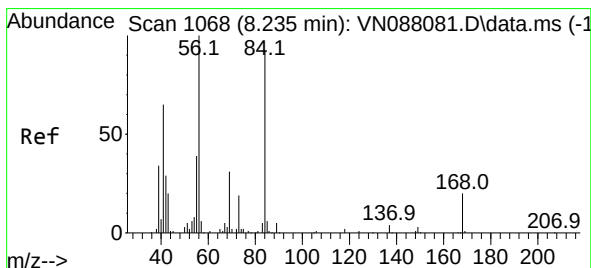
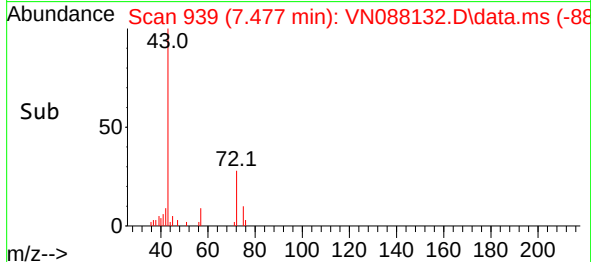
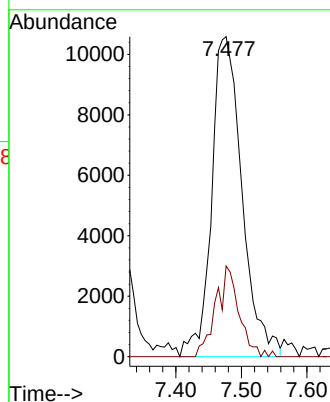
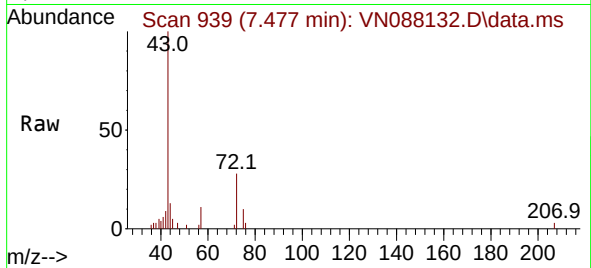




#25
2-Butanone
Concen: 12.465 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

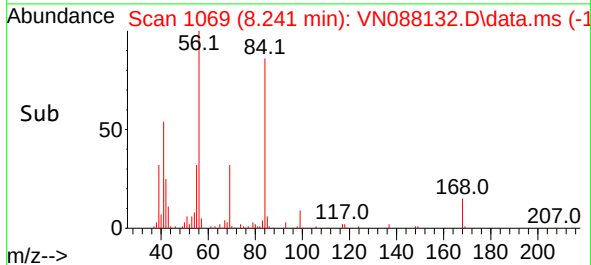
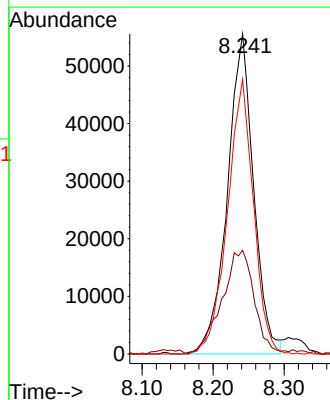
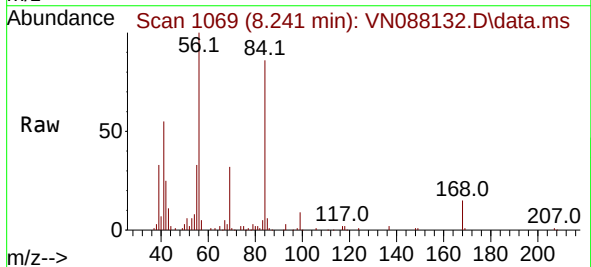
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

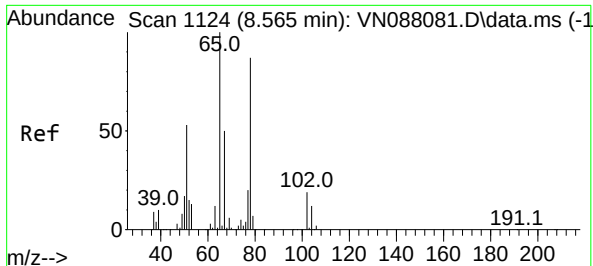
Tgt Ion: 43 Resp: 34063
Ion Ratio Lower Upper
43 100
72 28.3 19.9 29.9



#31
Cyclohexane
Concen: 24.742 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 56 Resp: 142950
Ion Ratio Lower Upper
56 100
69 31.5 23.7 35.5
84 85.8 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 52.612 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

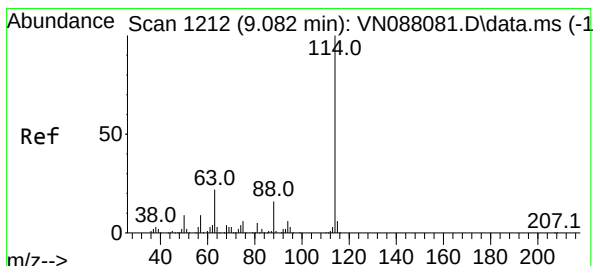
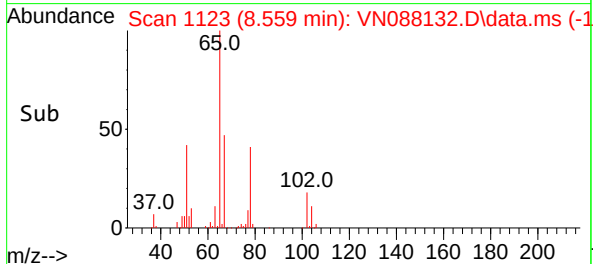
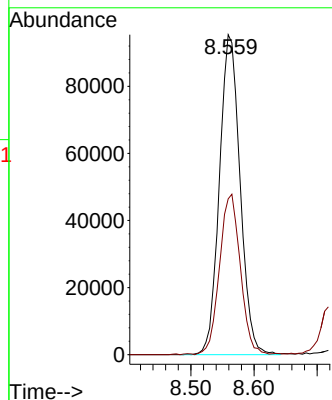
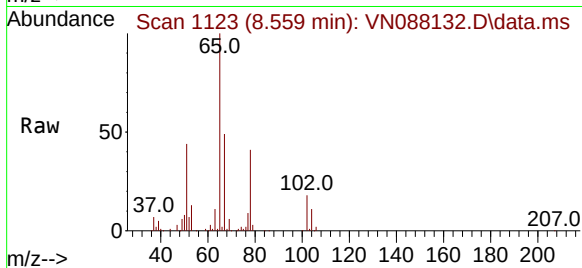
TWP2DL

Tgt Ion: 65 Resp: 217152

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

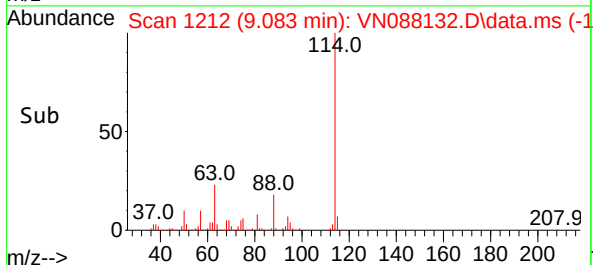
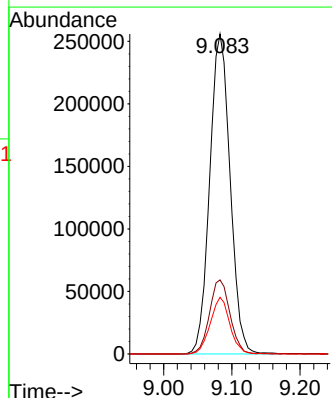
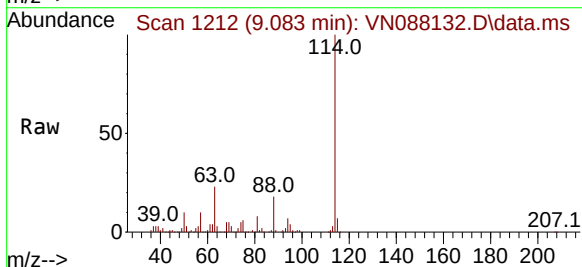
Tgt Ion: 114 Resp: 533116

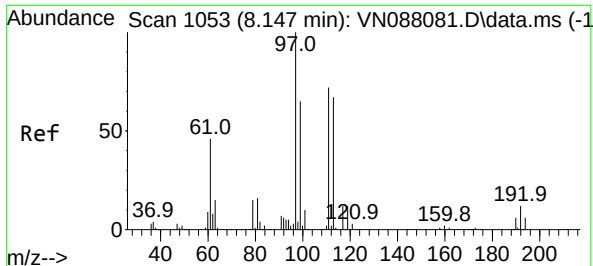
Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.2

88 17.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 45.105 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

TWP2DL

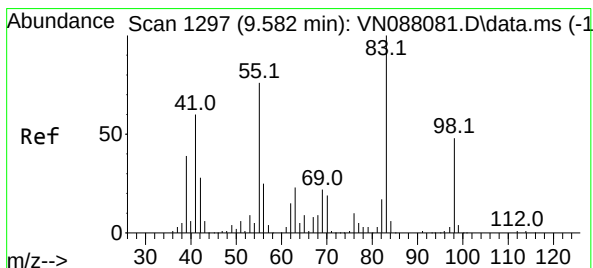
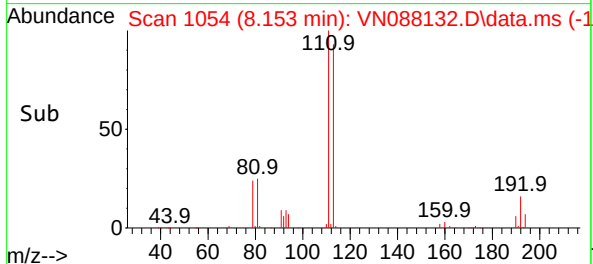
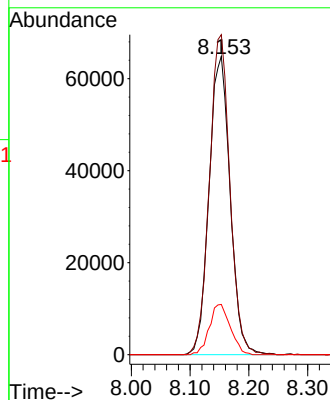
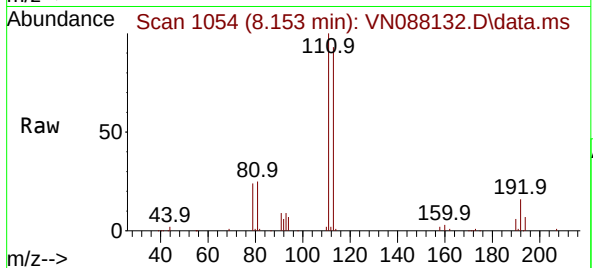
Tgt Ion:113 Resp: 161545

Ion Ratio Lower Upper

113 100

111 104.3 82.8 124.2

192 16.8 12.8 19.2



#39

Methylcyclohexane

Concen: 15.876 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. -0.000 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

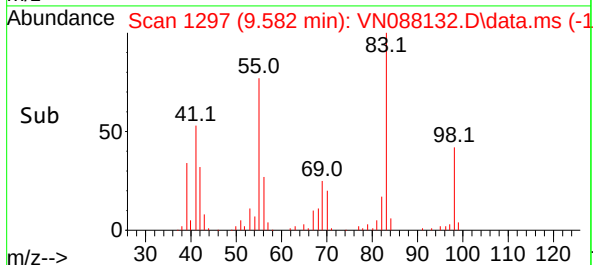
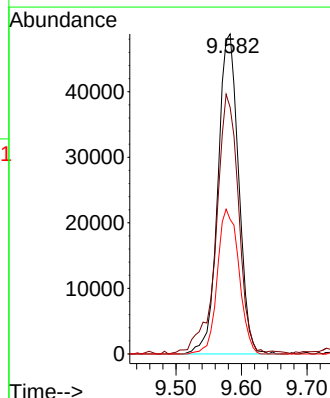
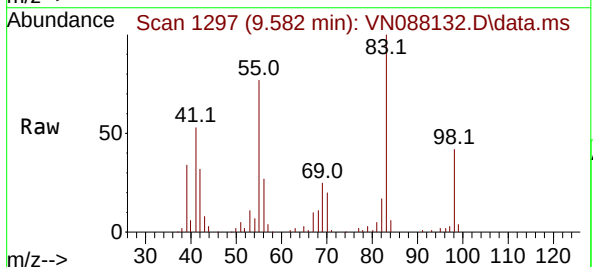
Tgt Ion: 83 Resp: 106715

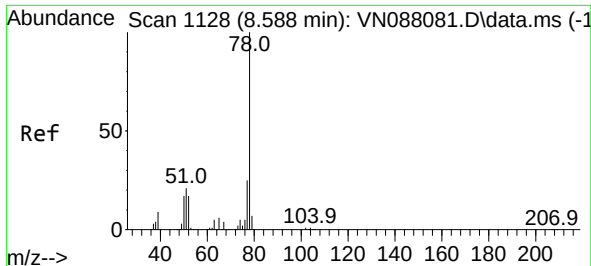
Ion Ratio Lower Upper

83 100

55 76.4 64.6 96.8

98 42.0 38.4 57.6

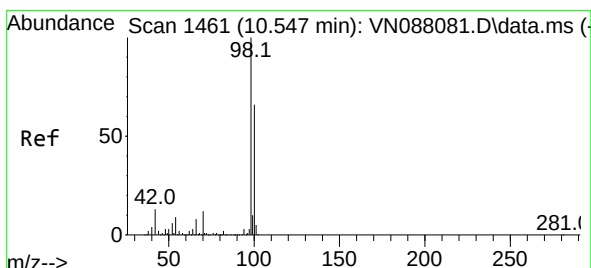
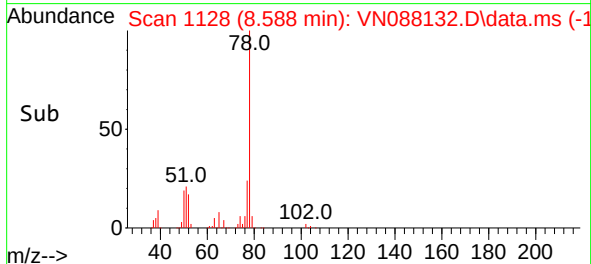
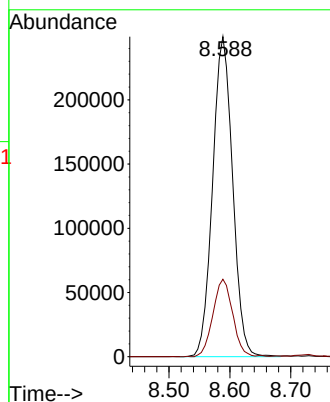
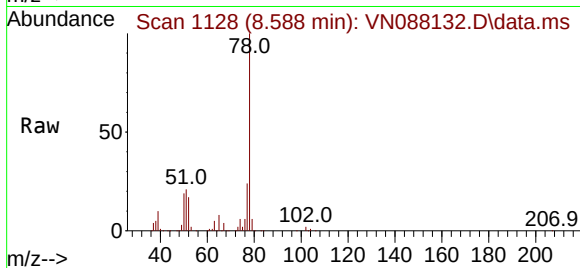




#40
Benzene
Concen: 35.707 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

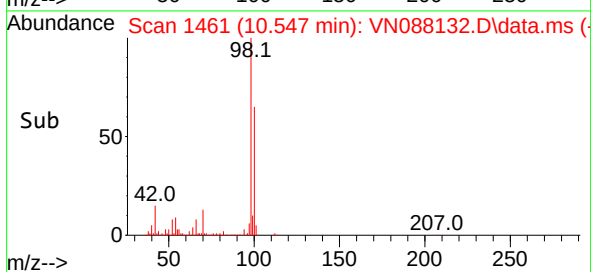
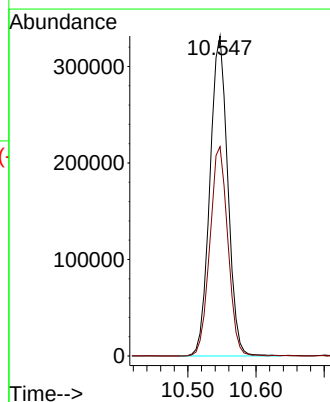
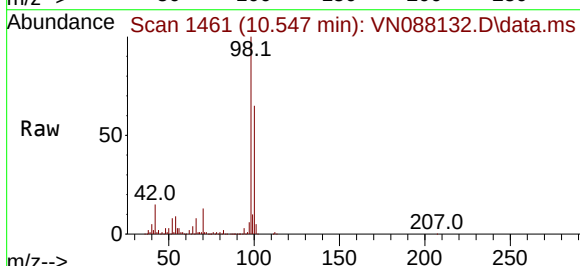
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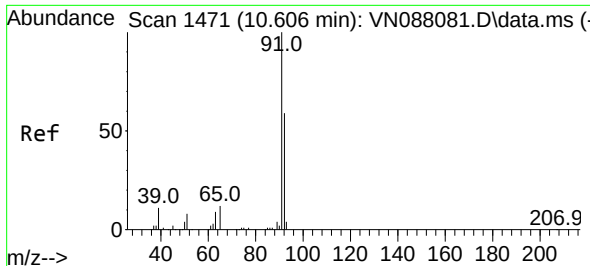
Tgt Ion: 78 Resp: 568660
Ion Ratio Lower Upper
78 100
77 24.2 19.7 29.5



#50
Toluene-d8
Concen: 43.759 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 98 Resp: 603883
Ion Ratio Lower Upper
98 100
100 65.8 52.8 79.2

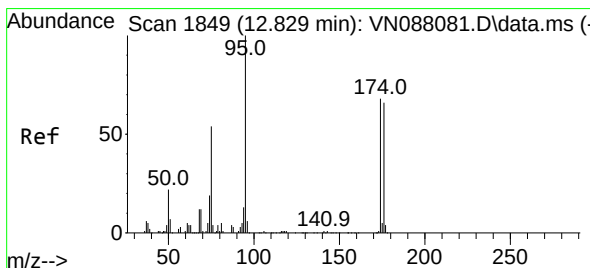
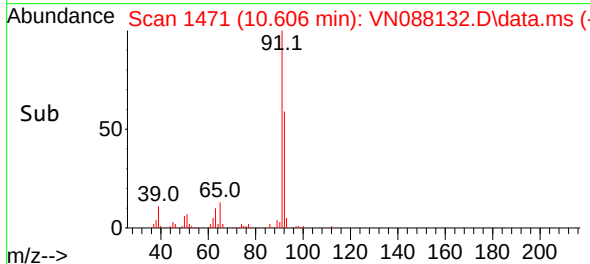
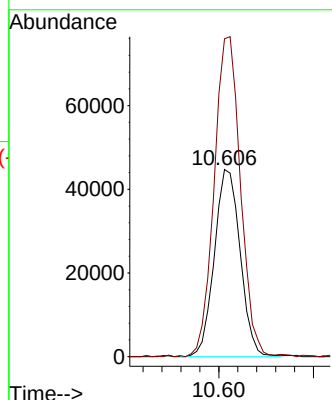
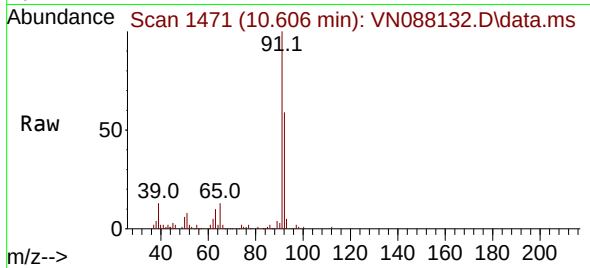




#52
Toluene
Concen: 8.620 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

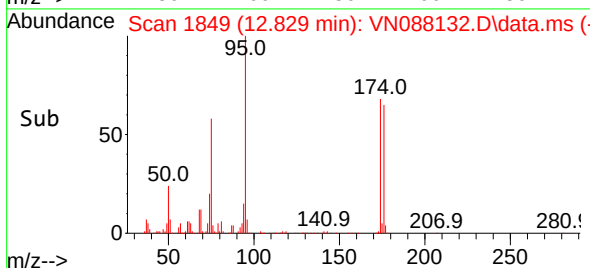
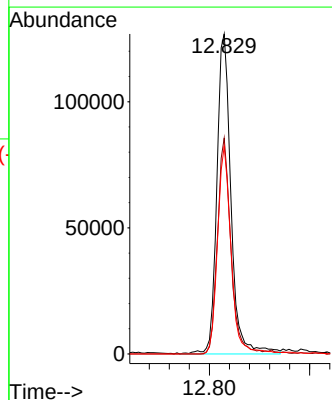
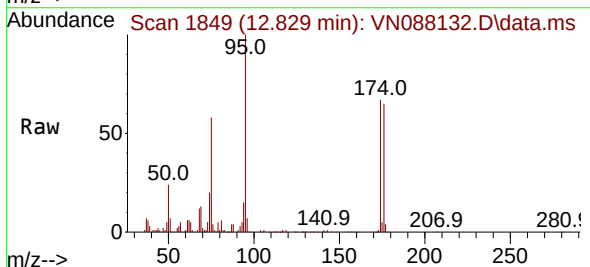
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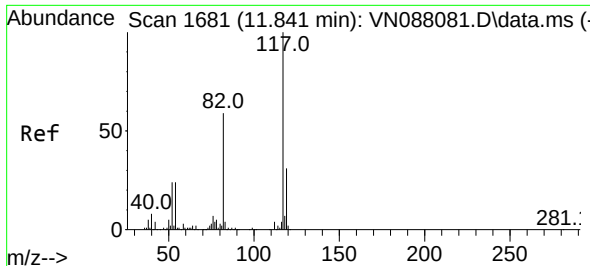
Tgt Ion: 92 Resp: 84641
Ion Ratio Lower Upper
92 100
91 174.0 140.4 210.6



#62
4-Bromofluorobenzene
Concen: 50.805 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 95 Resp: 247606
Ion Ratio Lower Upper
95 100
174 63.9 0.0 138.4
176 62.4 0.0 132.6

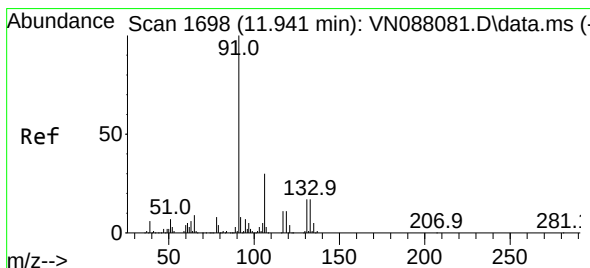
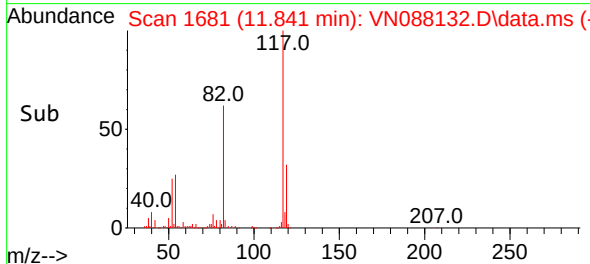
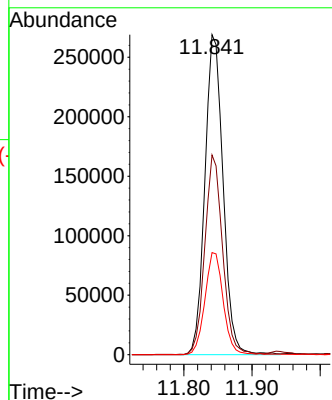
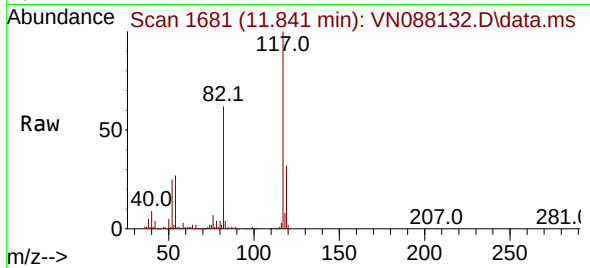




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

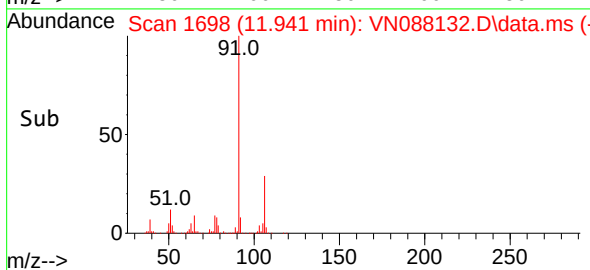
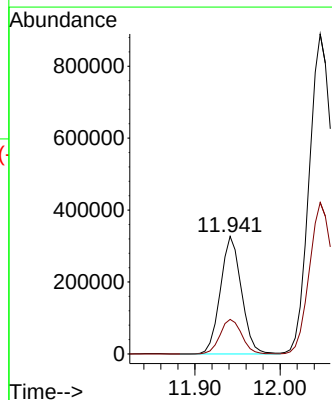
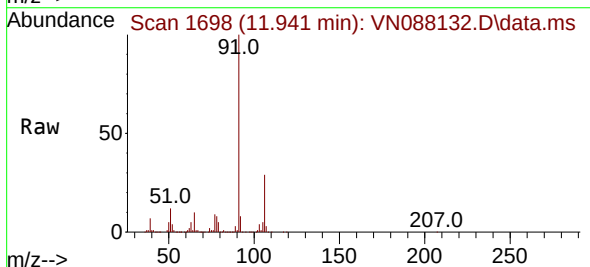
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

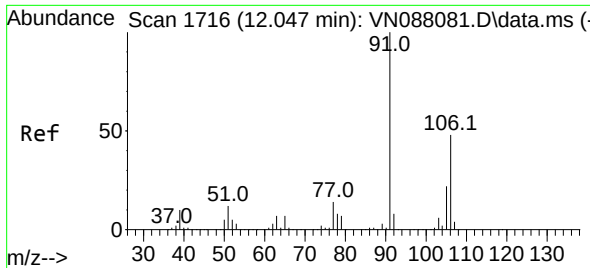
Tgt Ion:117 Resp: 499340
Ion Ratio Lower Upper
117 100
82 62.2 47.4 71.2
119 31.9 24.3 36.5



#67
Ethyl Benzene
Concen: 28.130 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 91 Resp: 559854
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1

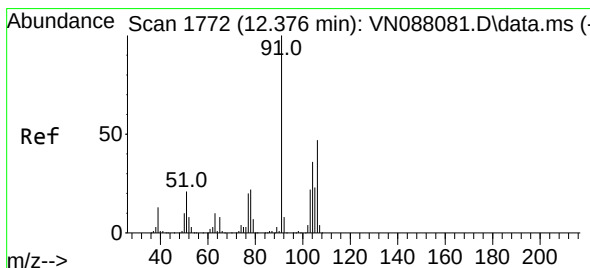
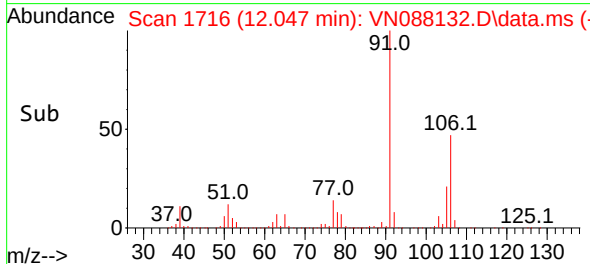
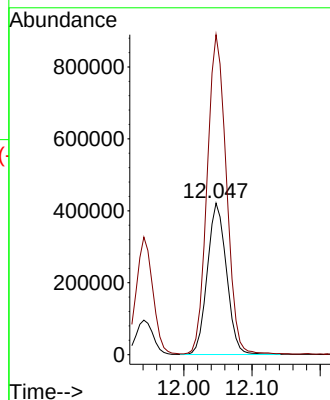
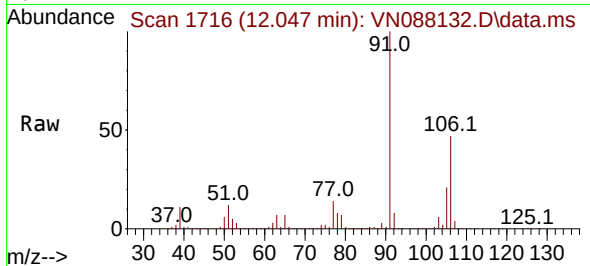




#68
m/p-Xylenes
Concen: 110.239 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

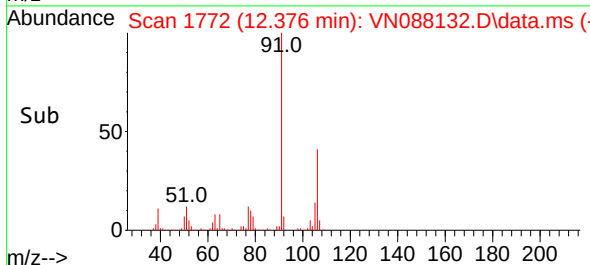
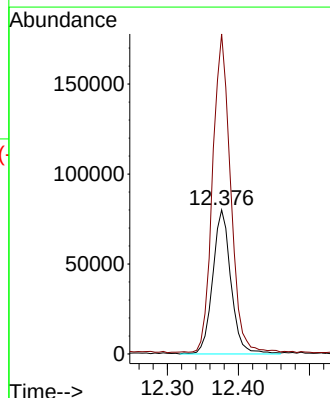
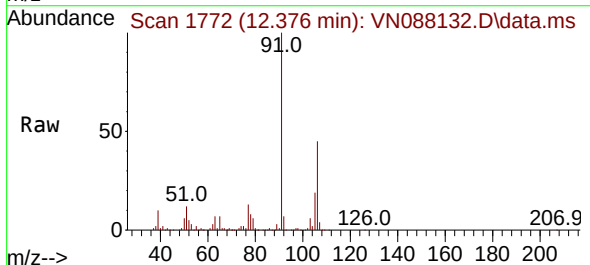
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

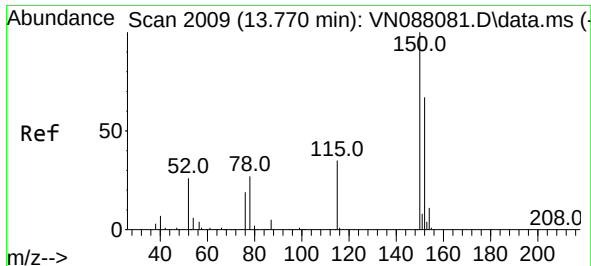
Tgt Ion:106 Resp: 822064
Ion Ratio Lower Upper
106 100
91 212.0 169.3 253.9



#69
o-Xylene
Concen: 20.177 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion:106 Resp: 142636
Ion Ratio Lower Upper
106 100
91 218.0 111.4 334.2

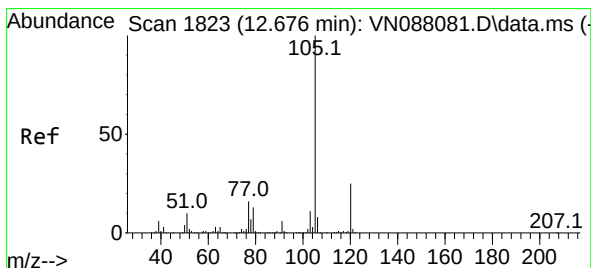
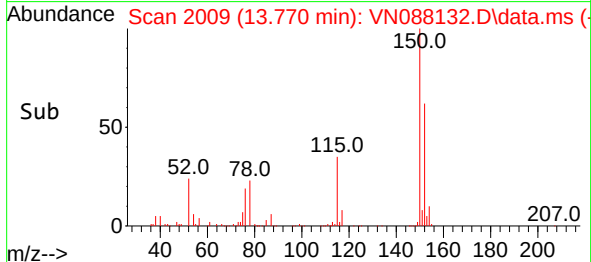
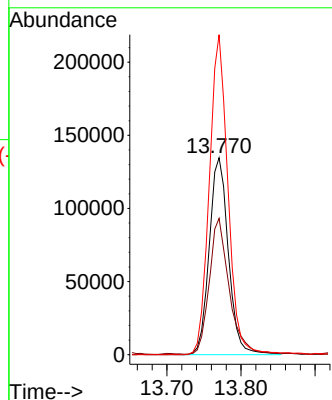
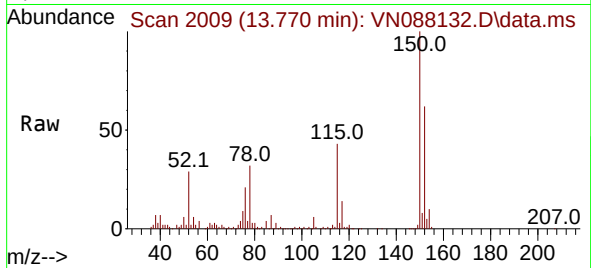




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

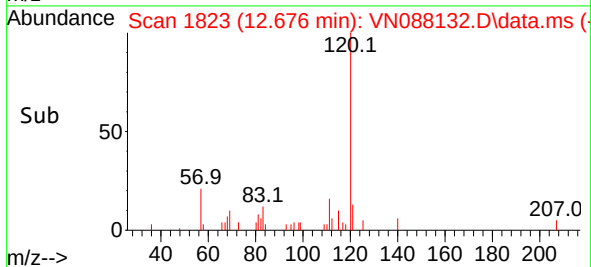
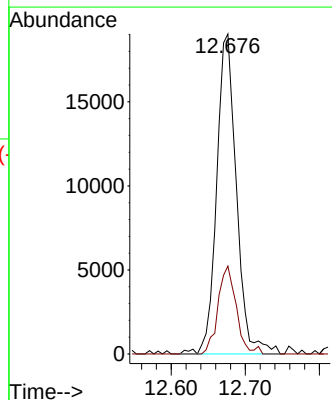
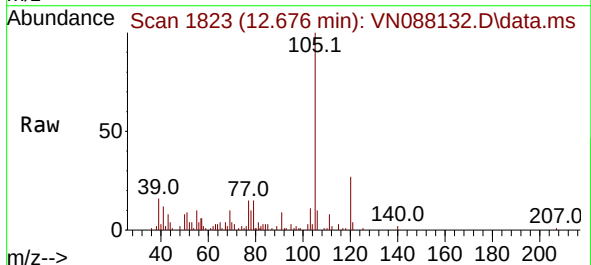
Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

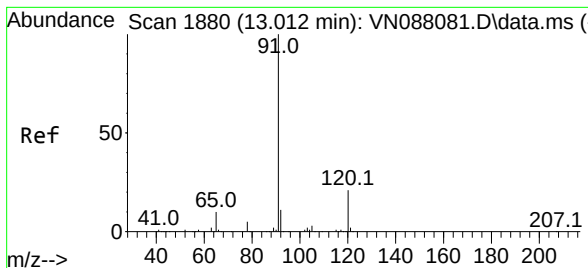
Tgt Ion:152 Resp: 241900
Ion Ratio Lower Upper
152 100
115 71.6 32.3 96.8
150 158.4 0.0 351.0



#73
Isopropylbenzene
Concen: 1.891 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion:105 Resp: 35288
Ion Ratio Lower Upper
105 100
120 25.3 12.8 38.3





#78

n-propylbenzene

Concen: 3.042 ug/l

RT: 13.018 min Scan# 1880

Delta R.T. 0.006 min

Lab File: VN088132.D

Acq: 28 Oct 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

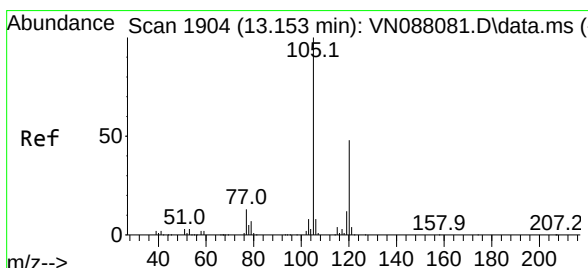
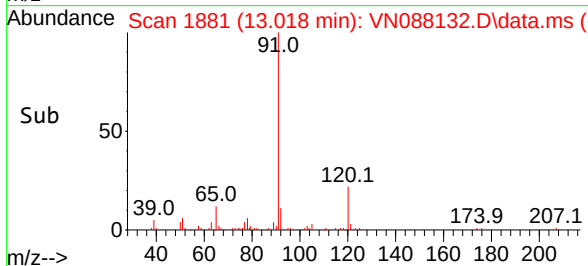
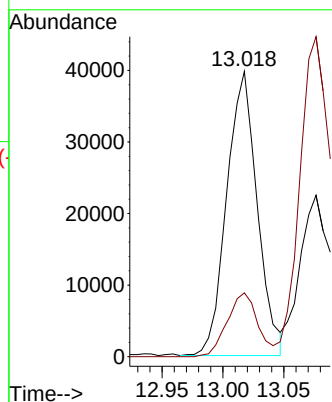
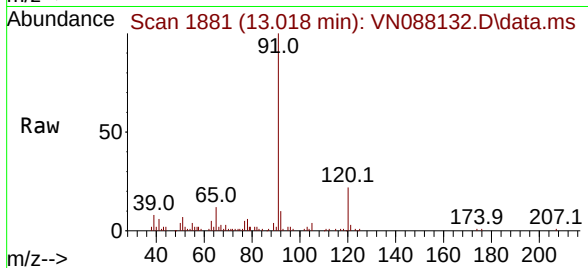
TWP2DL

Tgt Ion: 91 Resp: 69254

Ion Ratio Lower Upper

91 100

120 22.5 10.7 32.1



#80

1,3,5-Trimethylbenzene

Concen: 22.096 ug/l

RT: 13.153 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VN088132.D

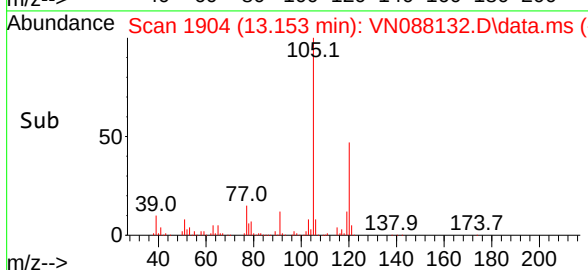
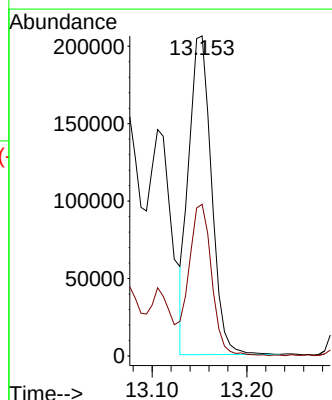
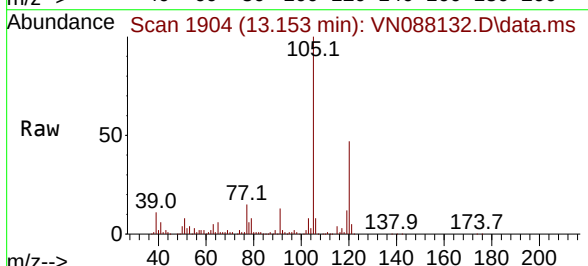
Acq: 28 Oct 2025 12:35

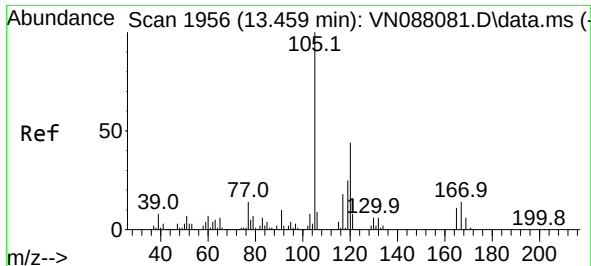
Tgt Ion:105 Resp: 342380

Ion Ratio Lower Upper

105 100

120 48.7 23.2 69.6

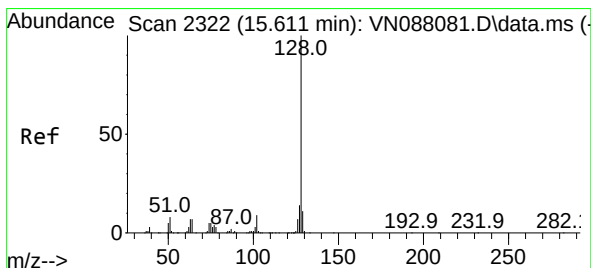
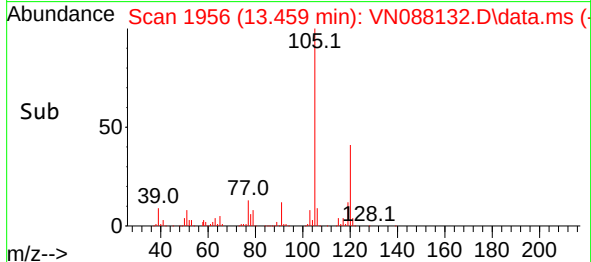
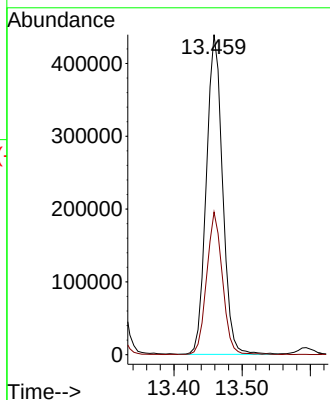
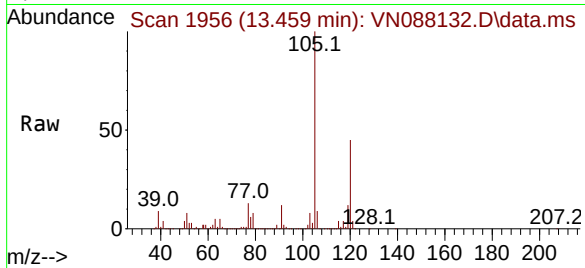




#84
1,2,4-Trimethylbenzene
Concen: 46.979 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

Tgt Ion:105 Resp: 728307
Ion Ratio Lower Upper
105 100
120 43.3 22.0 66.0



#95
Naphthalene
Concen: 13.829 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion:128 Resp: 222124
Ion Ratio Lower Upper
128 100
127 11.8 10.6 15.8
129 11.8 8.6 12.8

