

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087591.D
 Acq On : 15 Aug 2025 18:34
 Operator : JC\MD
 Sample : Q2827-07
 Misc : 4.47g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9-VOC

Quant Time: Aug 18 05:49:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

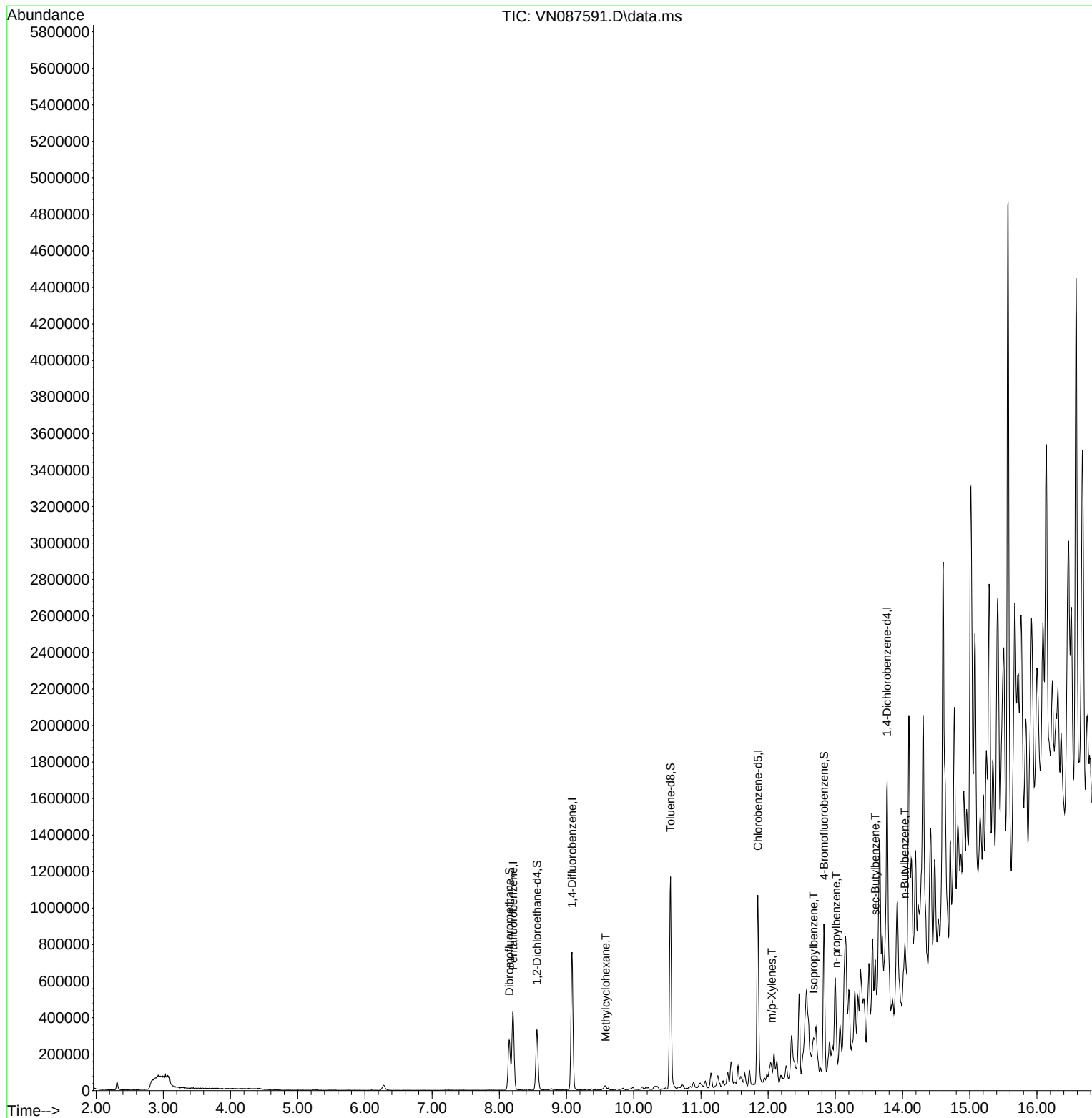
Internal Standards						
1) Pentafluorobenzene	8.206	168	290831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	628644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	562483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	271137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	277445	56.222	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.440%
35) Dibromofluoromethane	8.147	113	198106	45.685	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.360%
50) Toluene-d8	10.547	98	733747	47.435	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.880%
62) 4-Bromofluorobenzene	12.829	95	254856	44.595	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.200%
Target Compounds						
						Qvalue
39) Methylcyclohexane	9.583	83	8485	1.368	ug/l	98
68) m/p-Xylenes	12.053	106	22063	2.834	ug/l	96
73) Isopropylbenzene	12.676	105	34738	2.036	ug/l	99
78) n-propylbenzene	13.012	91	67031	3.122	ug/l	98
85) sec-Butylbenzene	13.594	105	135303	7.397	ug/l	89
89) n-Butylbenzene	14.035	91	154925	11.068	ug/l #	88

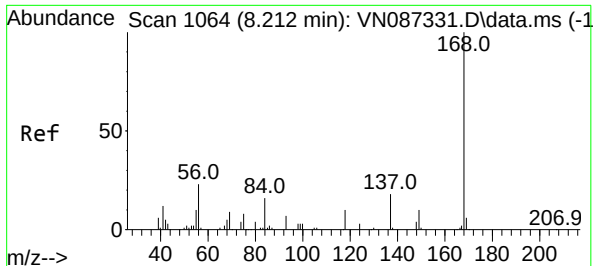
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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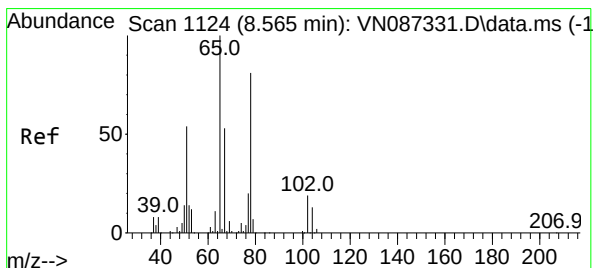
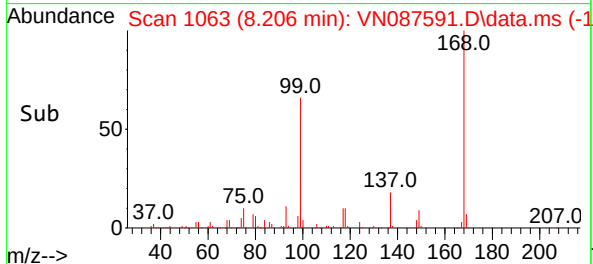
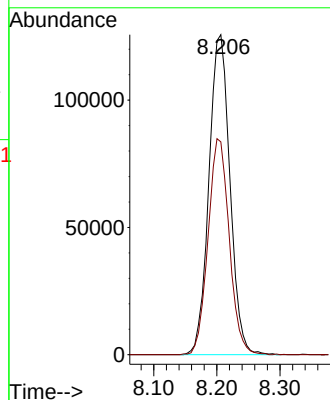
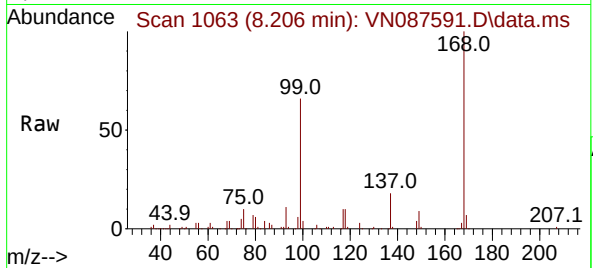




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VN087591.D
Acq: 15 Aug 2025 18:34

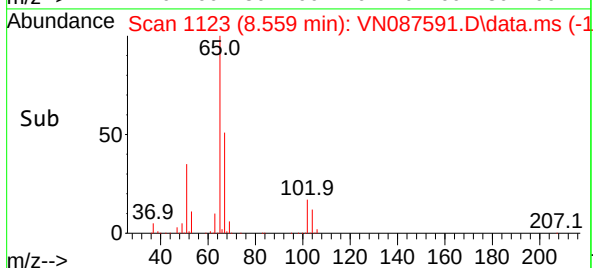
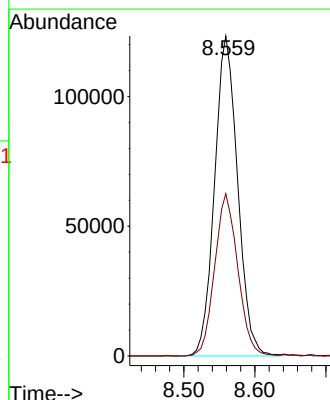
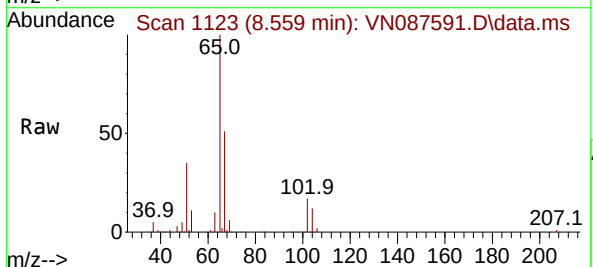
Instrument :
MSVOA_N
ClientSampleId :
TP-9-VOC

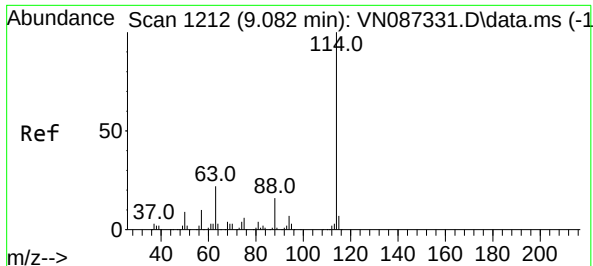
Tgt Ion:168 Resp: 290831
Ion Ratio Lower Upper
168 100
99 66.5 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 56.222 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087591.D
Acq: 15 Aug 2025 18:34

Tgt Ion: 65 Resp: 277445
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN087591.D

Acq: 15 Aug 2025 18:34

Instrument :

MSVOA_N

ClientSampleId :

TP-9-VOC

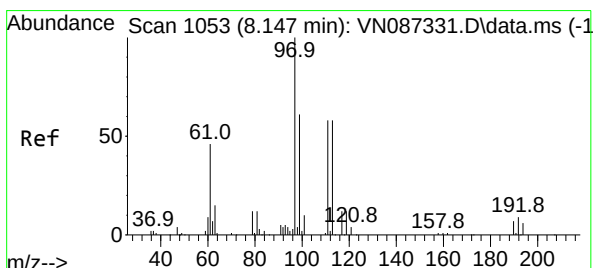
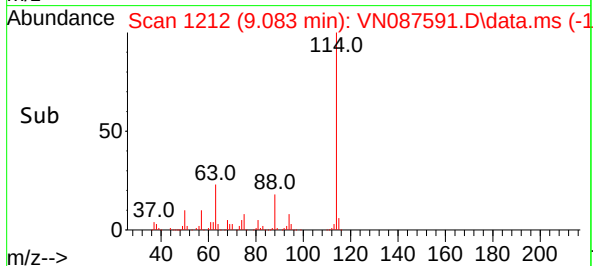
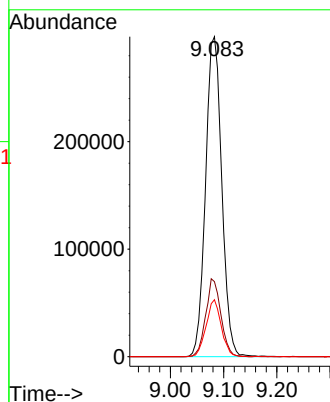
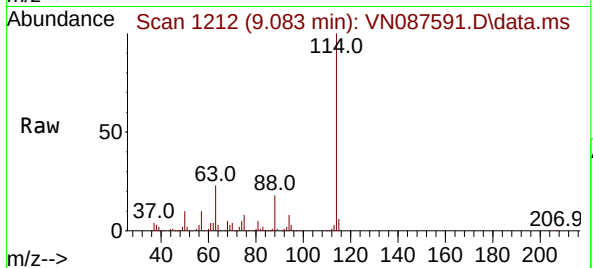
Tgt Ion:114 Resp: 628644

Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.6

88 17.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 45.685 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087591.D

Acq: 15 Aug 2025 18:34

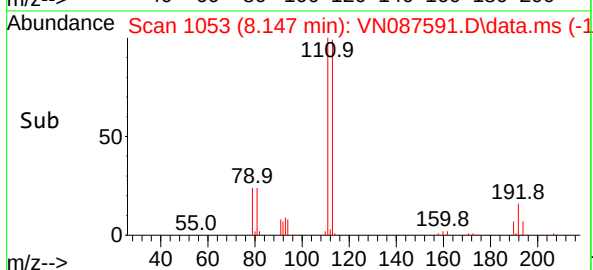
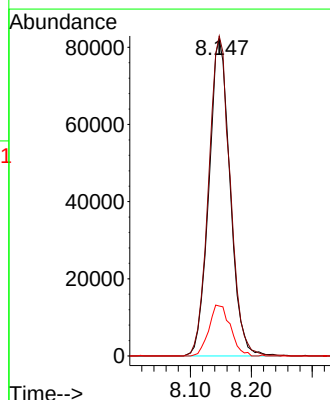
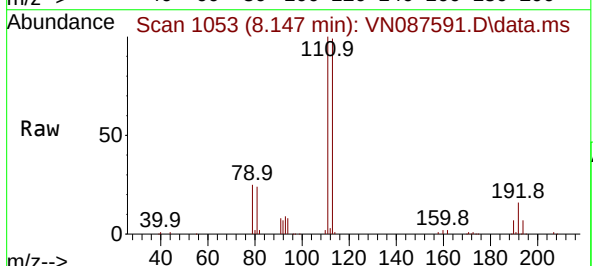
Tgt Ion:113 Resp: 198106

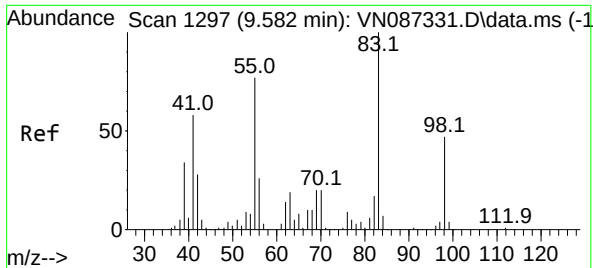
Ion Ratio Lower Upper

113 100

111 102.9 82.5 123.7

192 16.3 13.7 20.5

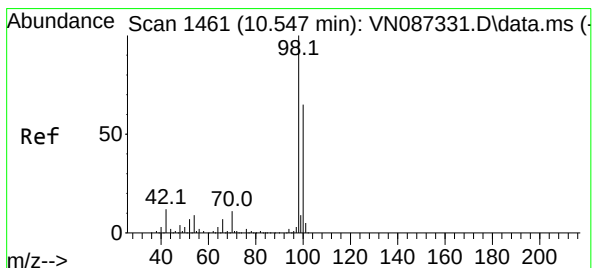
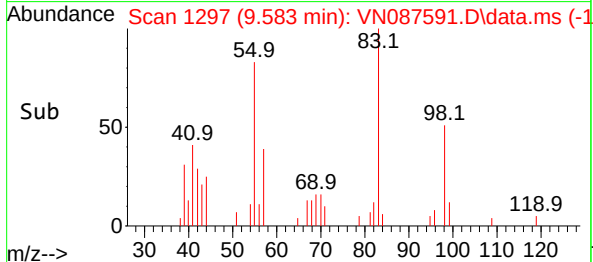
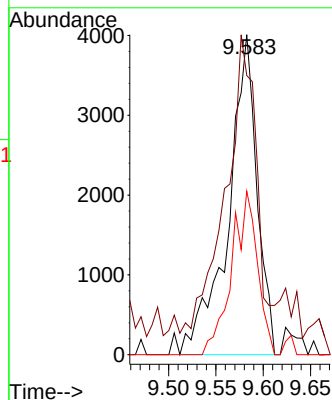
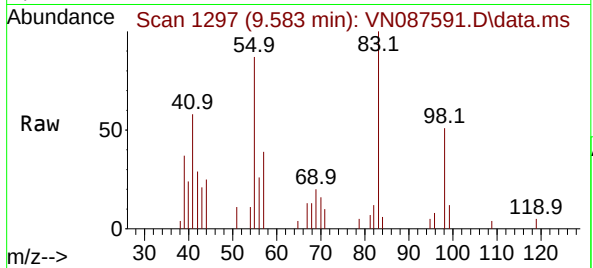




#39
Methylcyclohexane
Concen: 1.368 ug/l
RT: 9.583 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VN087591.D
Acq: 15 Aug 2025 18:34

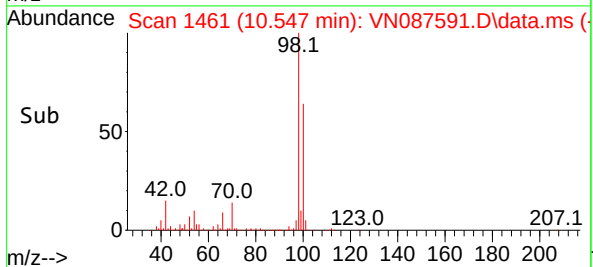
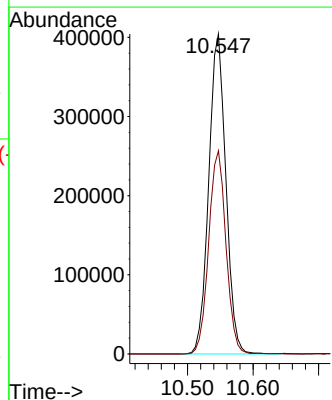
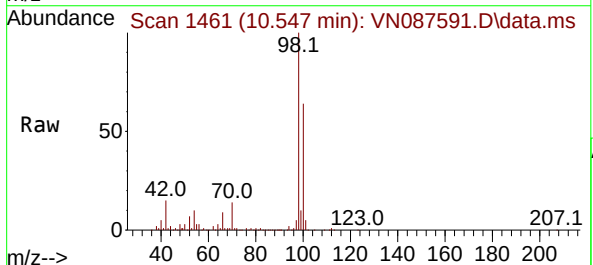
Instrument :
MSVOA_N
ClientSampleId :
TP-9-VOC

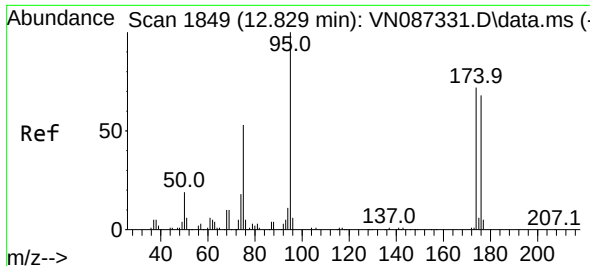
Tgt Ion: 83	Resp: 8485
Ion Ratio	Lower Upper
83 100	
55 76.5	61.3 91.9
98 51.1	37.9 56.9



#50
Toluene-d8
Concen: 47.435 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087591.D
Acq: 15 Aug 2025 18:34

Tgt Ion: 98	Resp: 733747
Ion Ratio	Lower Upper
98 100	
100 64.0	52.1 78.1

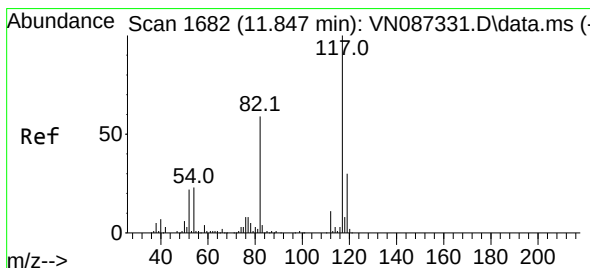
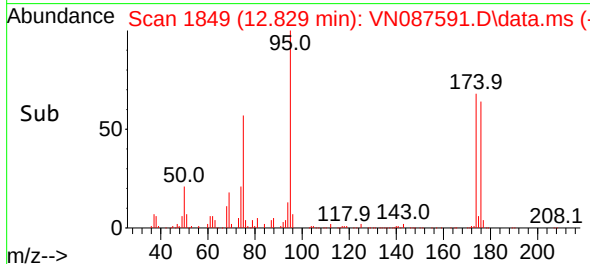
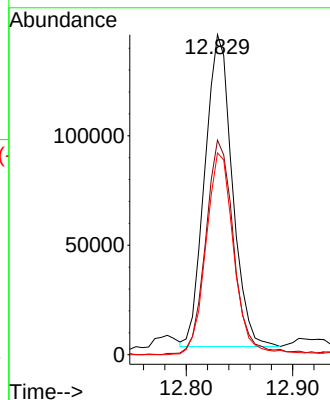
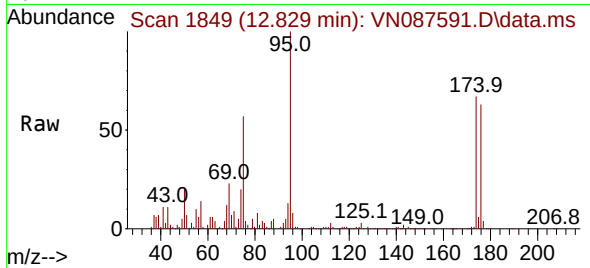




#62
4-Bromofluorobenzene
Concen: 44.595 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087591.D
Acq: 15 Aug 2025 18:34

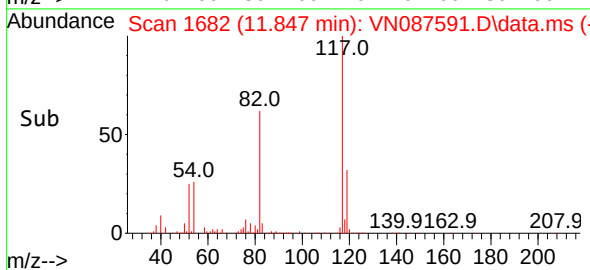
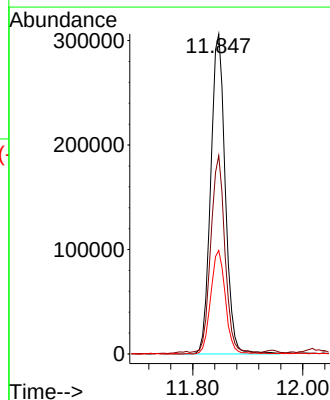
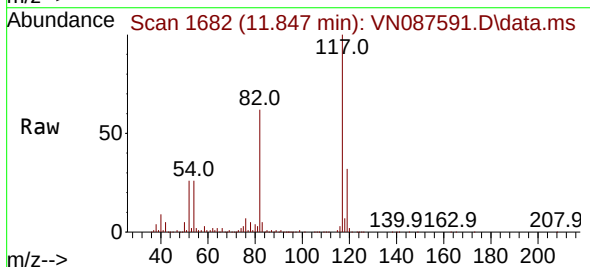
Instrument :
MSVOA_N
ClientSampleId :
TP-9-VOC

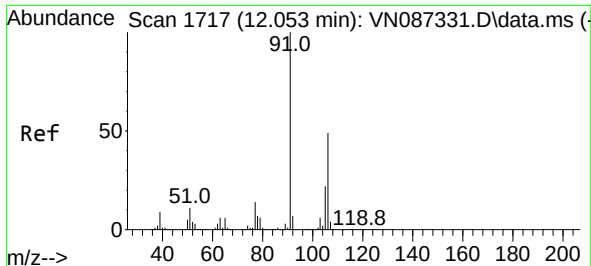
Tgt Ion: 95 Resp: 254856
Ion Ratio Lower Upper
95 100
174 71.0 0.0 149.4
176 65.8 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087591.D
Acq: 15 Aug 2025 18:34

Tgt Ion: 117 Resp: 562483
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 32.4 23.8 35.8

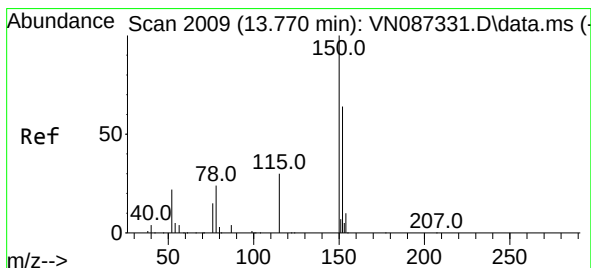
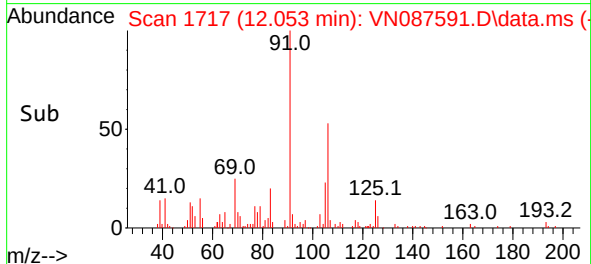
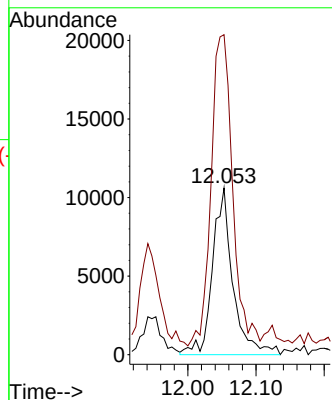
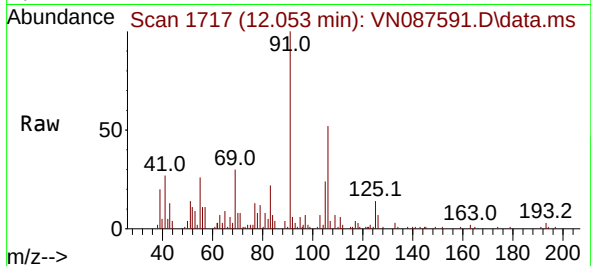




#68
m/p-Xylenes
Concen: 2.834 ug/l
RT: 12.053 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087591.D
Acq: 15 Aug 2025 18:34

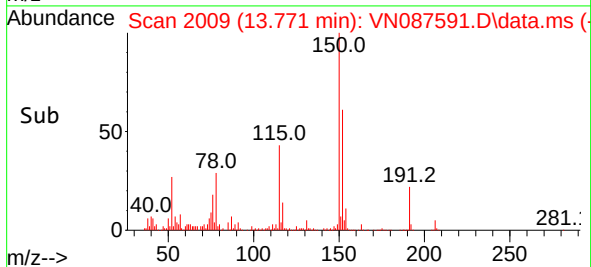
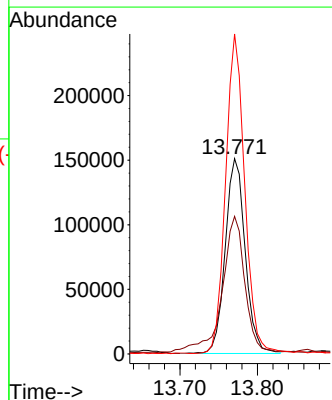
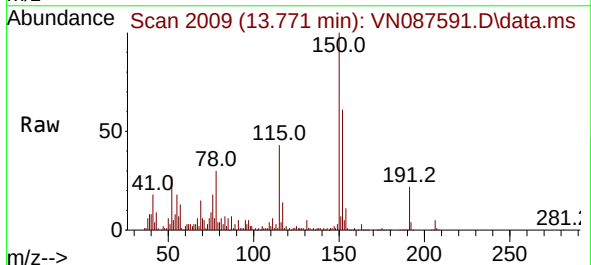
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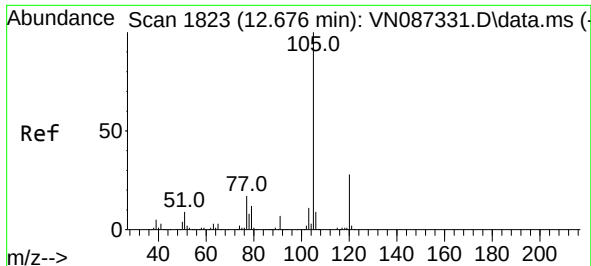
Tgt Ion:106 Resp: 22063
Ion Ratio Lower Upper
106 100
91 196.8 162.0 243.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087591.D
Acq: 15 Aug 2025 18:34

Tgt Ion:152 Resp: 271137
Ion Ratio Lower Upper
152 100
115 79.4 31.1 93.5
150 156.6 0.0 349.0

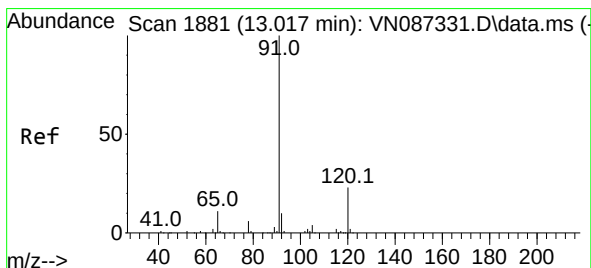
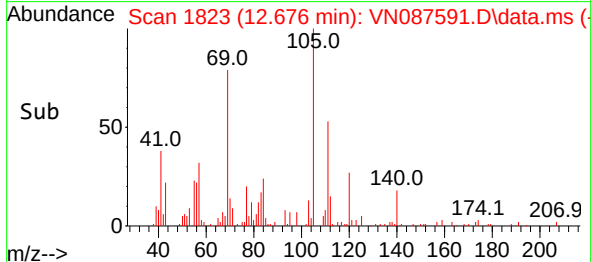
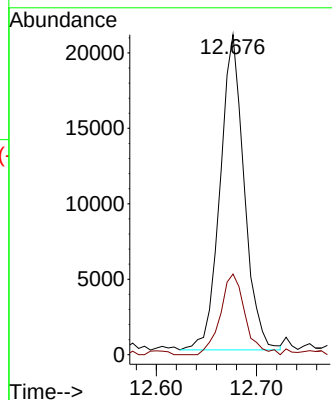
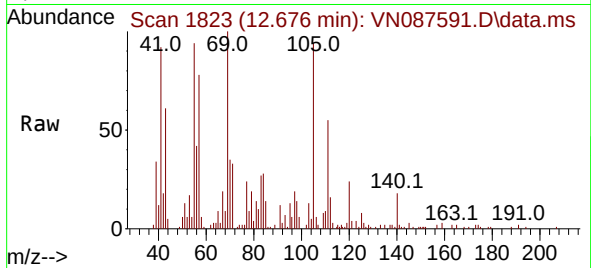




#73
Isopropylbenzene
Concen: 2.036 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN087591.D
Acq: 15 Aug 2025 18:34

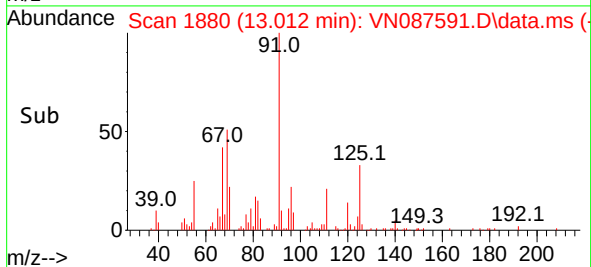
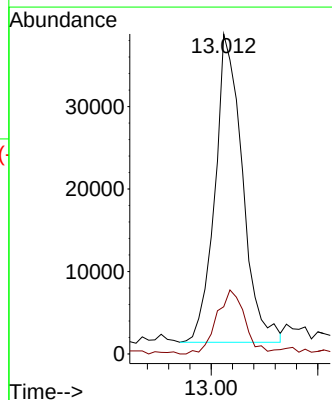
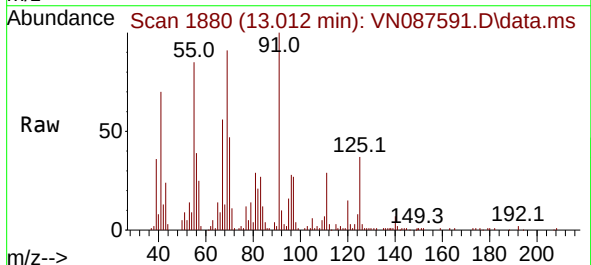
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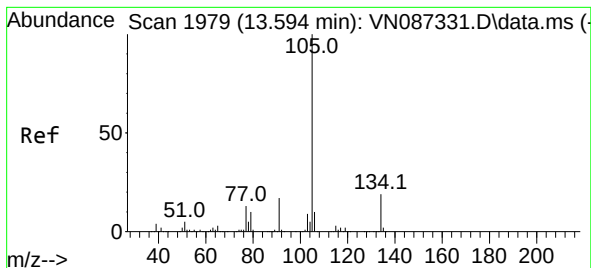
Tgt Ion:105 Resp: 34738
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.1



#78
n-propylbenzene
Concen: 3.122 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.006 min
Lab File: VN087591.D
Acq: 15 Aug 2025 18:34

Tgt Ion: 91 Resp: 67031
Ion Ratio Lower Upper
91 100
120 21.3 11.3 33.8





#85

sec-Butylbenzene

Concen: 7.397 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VN087591.D

Acq: 15 Aug 2025 18:34

Instrument :

MSVOA_N

ClientSampleId :

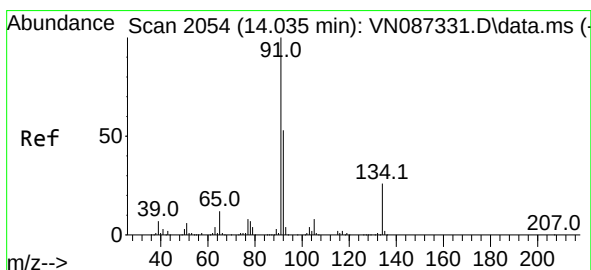
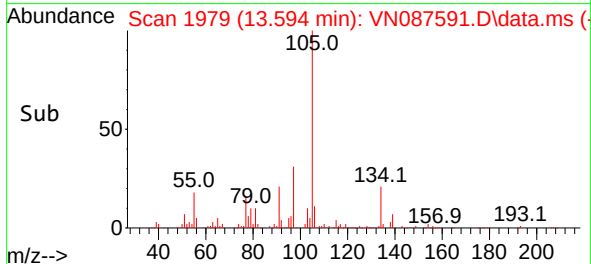
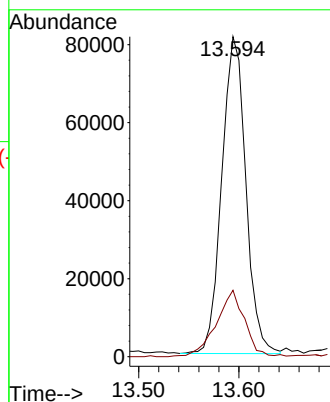
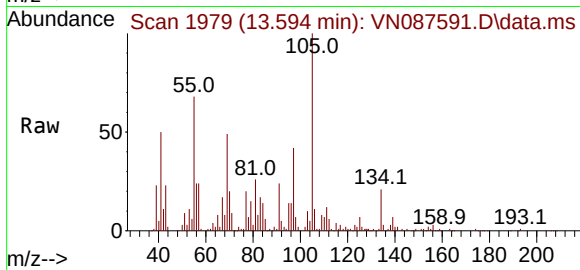
TP-9-VOC

Tgt Ion:105 Resp: 135303

Ion Ratio Lower Upper

105 100

134 24.8 9.8 29.4



#89

n-Butylbenzene

Concen: 11.068 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. 0.000 min

Lab File: VN087591.D

Acq: 15 Aug 2025 18:34

Tgt Ion: 91 Resp: 154925

Ion Ratio Lower Upper

91 100

92 48.9 26.2 78.6

134 37.5 12.4 37.2#

