

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087580.D
 Acq On : 15 Aug 2025 14:35
 Operator : JC\MD
 Sample : Q2822-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NWB-2185

Quant Time: Aug 18 05:43:56 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	8.212	168	222947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	497338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	461729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	219403	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	212618	56.205	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.400%
35) Dibromofluoromethane	8.153	113	154066	44.909	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.820%
50) Toluene-d8	10.547	98	557271	45.538	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.080%
62) 4-Bromofluorobenzene	12.829	95	201939	44.665	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.340%

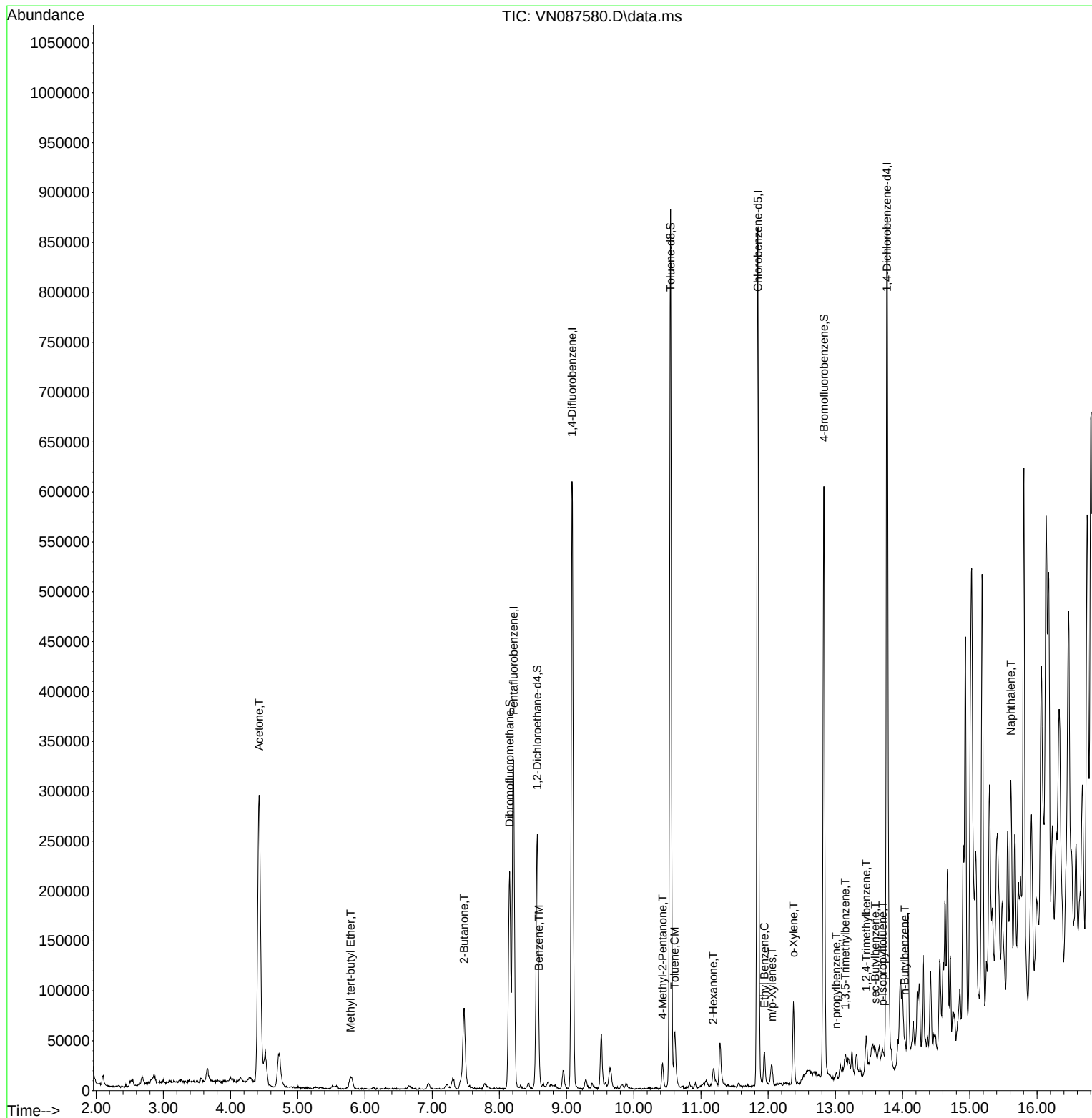
Target Compounds						Qvalue
16) Acetone	4.424	43	578025	325.885	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	18827	2.007	ug/l #	89
25) 2-Butanone	7.477	43	130367	47.570	ug/l	99
40) Benzene	8.588	78	5709	0.390	ug/l	100
51) 4-Methyl-2-Pentanone	10.429	43	18382	2.860	ug/l	99
52) Toluene	10.606	92	21904	2.460	ug/l	94
59) 2-Hexanone	11.182	43	18040	4.231	ug/l	90
67) Ethyl Benzene	11.947	91	24605	1.442	ug/l	99
68) m/p-Xylenes	12.059	106	5778	0.904	ug/l	84
69) o-Xylene	12.376	106	21813	3.573	ug/l	95
78) n-propylbenzene	13.012	91	4547	0.262	ug/l	97
80) 1,3,5-Trimethylbenzene	13.147	105	9868	0.839	ug/l	91
84) 1,2,4-Trimethylbenzene	13.459	105	15043	1.252	ug/l	98
85) sec-Butylbenzene	13.594	105	3611	0.244	ug/l	91
86) p-Isopropyltoluene	13.706	119	3636	0.307	ug/l	96
89) n-Butylbenzene	14.035	91	6237	0.551	ug/l #	63
95) Naphthalene	15.611	128	193949	13.997	ug/l	97

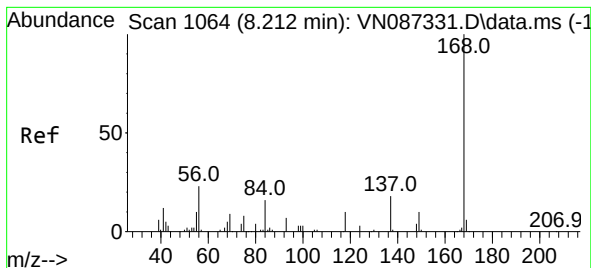
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
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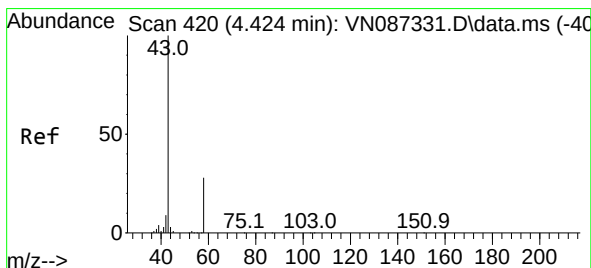
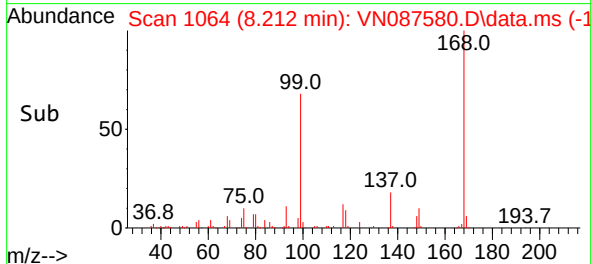
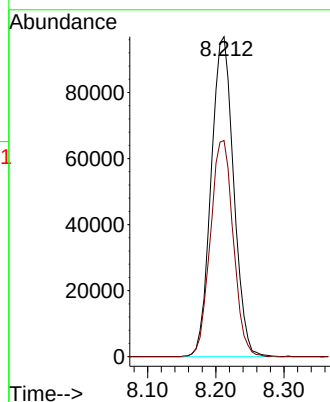
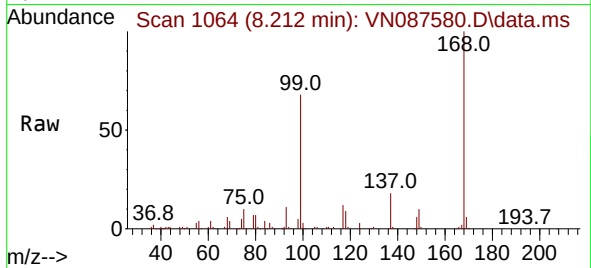




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

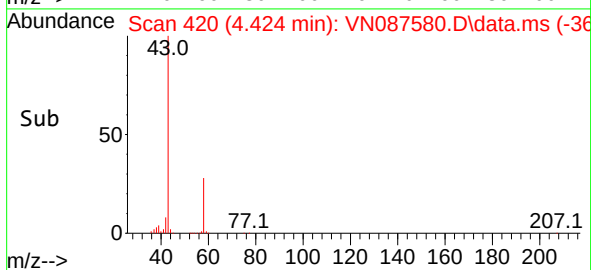
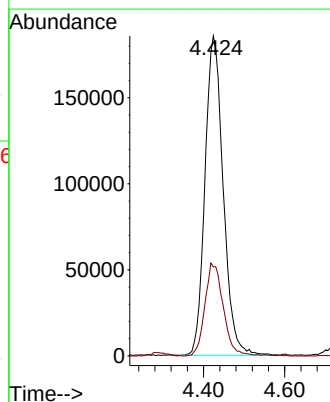
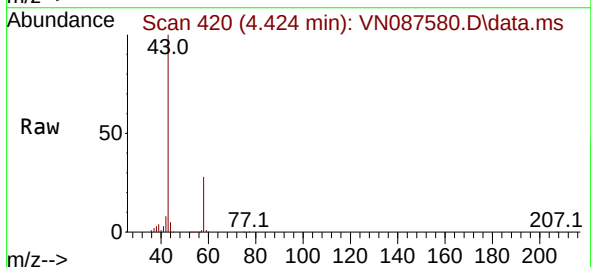
Instrument :
MSVOA_N
ClientSampleId :
NWB-2185

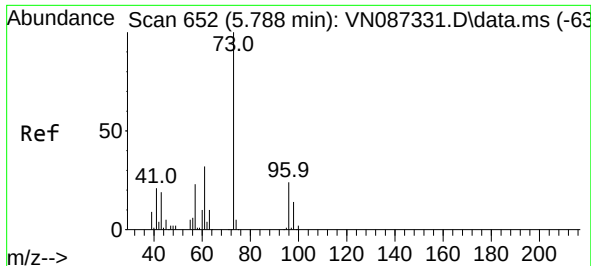
Tgt Ion:168 Resp: 222947
Ion Ratio Lower Upper
168 100
99 67.6 47.9 71.9



#16
Acetone
Concen: 325.885 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

Tgt Ion: 43 Resp: 578025
Ion Ratio Lower Upper
43 100
58 27.8 22.3 33.5





#19

Methyl tert-butyl Ether

Concen: 2.007 ug/l

RT: 5.789 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN087580.D

Acq: 15 Aug 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

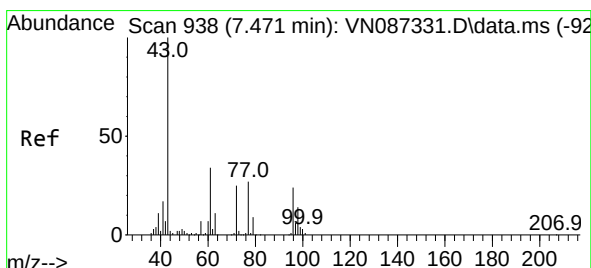
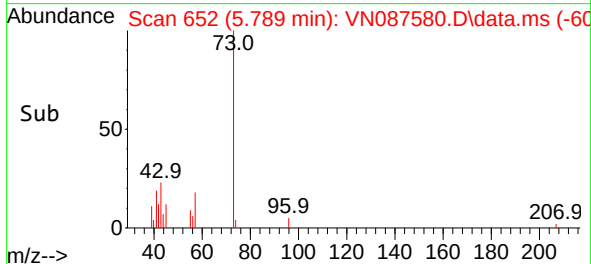
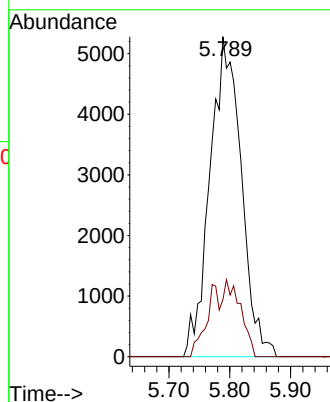
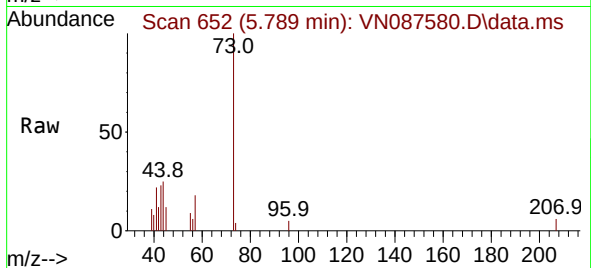
NWB-2185

Tgt Ion: 73 Resp: 18827

Ion Ratio Lower Upper

73 100

57 17.8 18.6 27.8#



#25

2-Butanone

Concen: 47.570 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.006 min

Lab File: VN087580.D

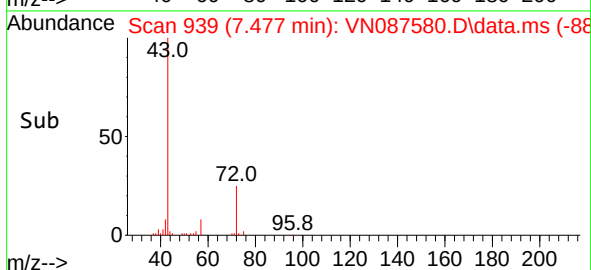
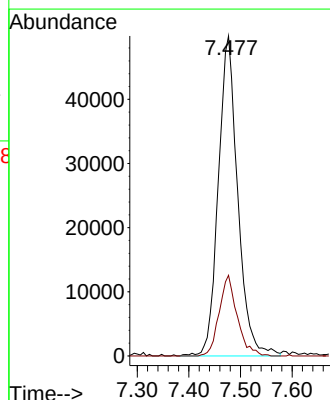
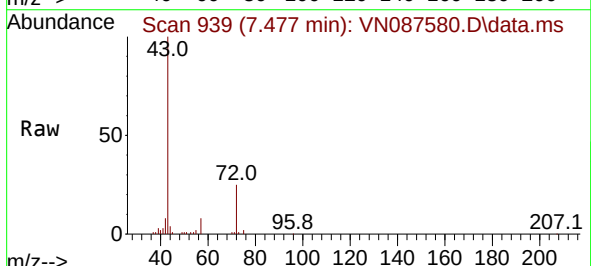
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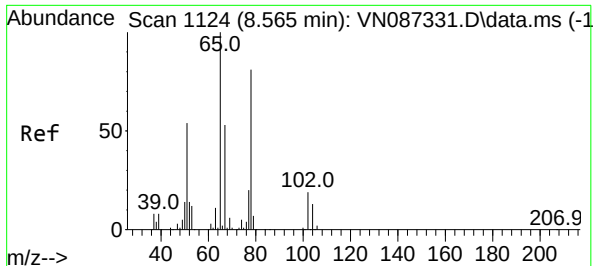
Tgt Ion: 43 Resp: 130367

Ion Ratio Lower Upper

43 100

72 25.2 19.6 29.4





#33

1,2-Dichloroethane-d4

Concen: 56.205 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087580.D

Acq: 15 Aug 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

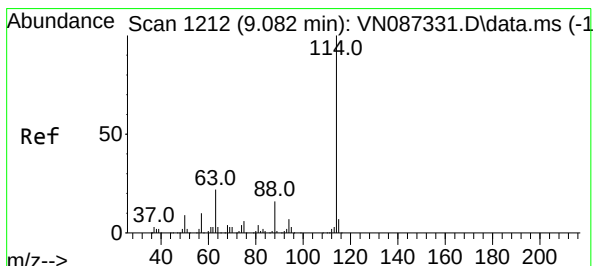
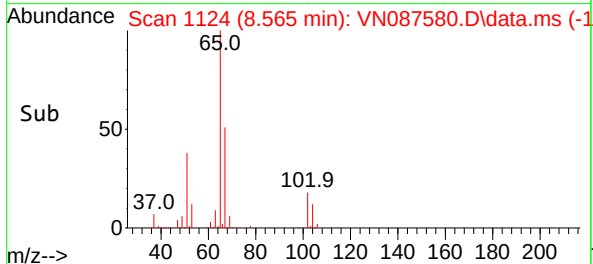
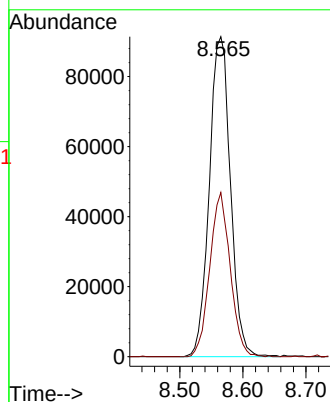
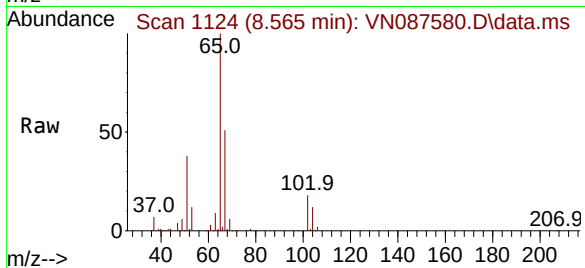
NWB-2185

Tgt Ion: 65 Resp: 212618

Ion Ratio Lower Upper

65 100

67 49.6 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VN087580.D

Acq: 15 Aug 2025 14:35

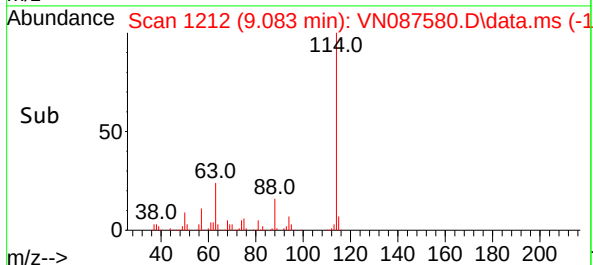
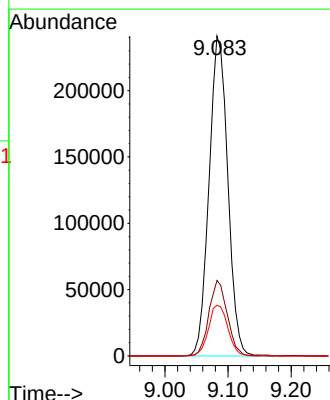
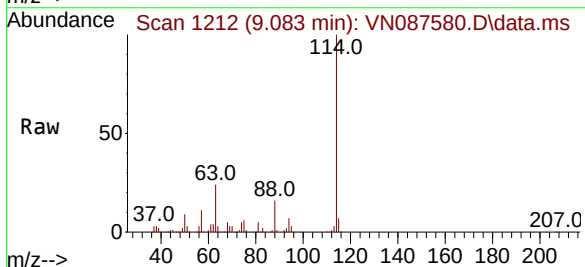
Tgt Ion: 114 Resp: 497338

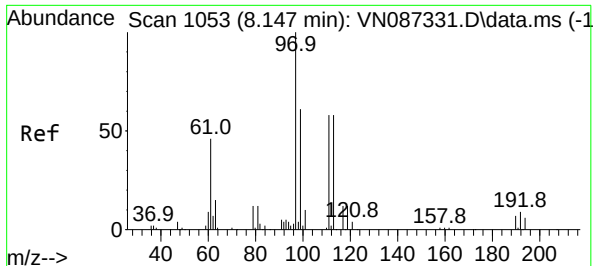
Ion Ratio Lower Upper

114 100

63 23.6 0.0 44.6

88 15.8 0.0 32.8

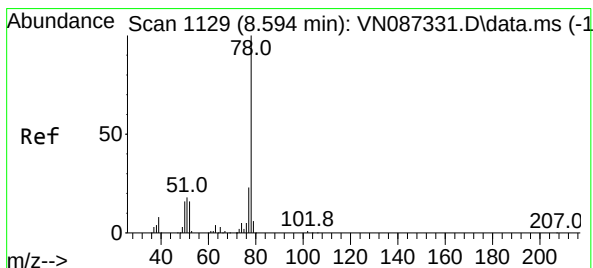
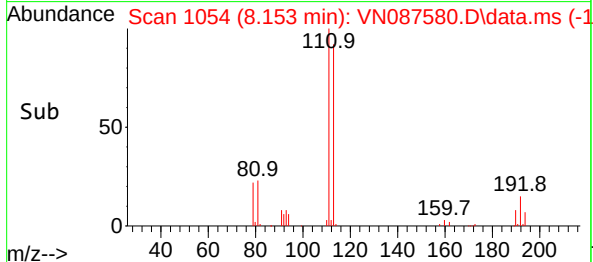
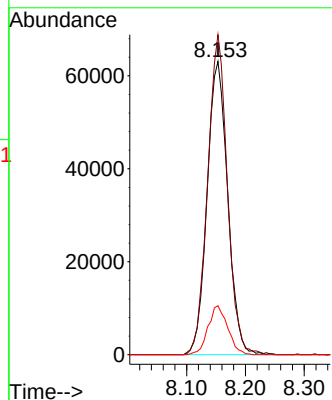
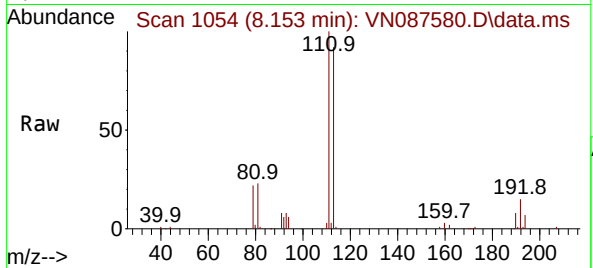




#35
Dibromofluoromethane
Concen: 44.909 ug/l
RT: 8.153 min Scan# 110
Delta R.T. 0.006 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

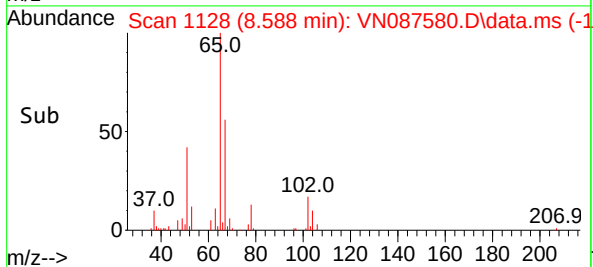
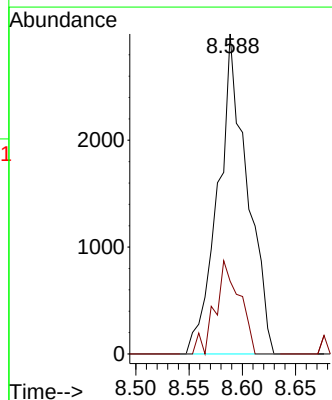
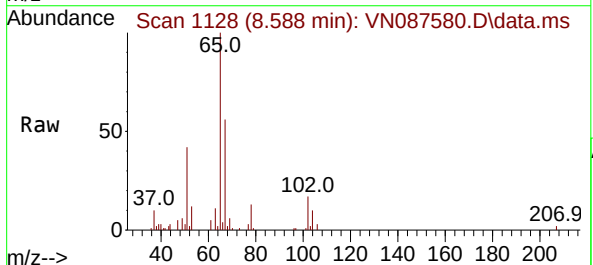
Instrument :
MSVOA_N
ClientSampleId :
NWB-2185

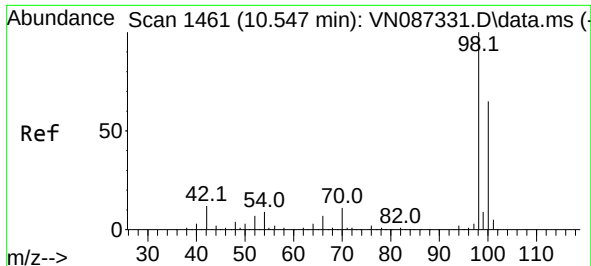
Tgt Ion:113 Resp: 154066
Ion Ratio Lower Upper
113 100
111 104.4 82.5 123.7
192 15.9 13.7 20.5



#40
Benzene
Concen: 0.390 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.006 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

Tgt Ion: 78 Resp: 5709
Ion Ratio Lower Upper
78 100
77 22.7 18.2 27.2

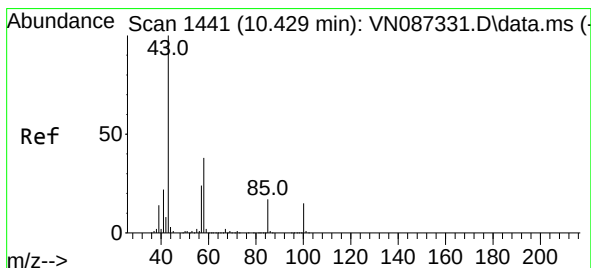
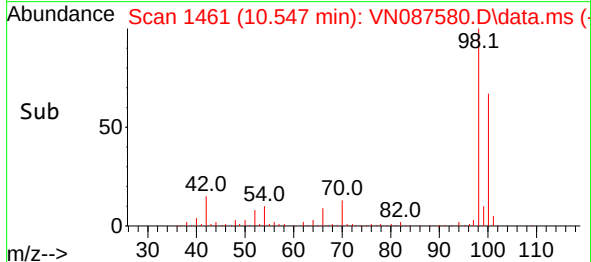
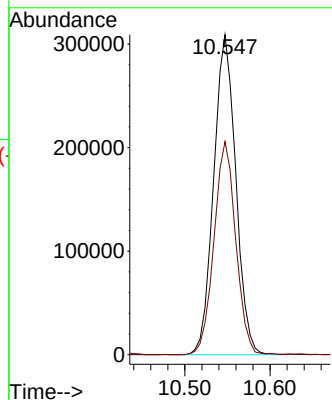
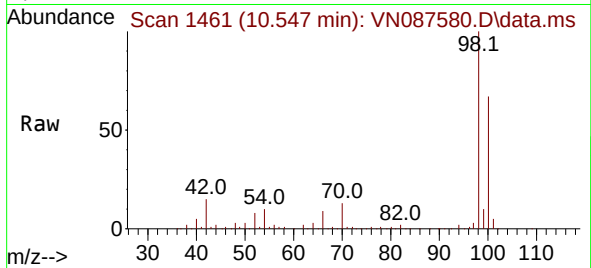




#50
Toluene-d8
Concen: 45.538 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

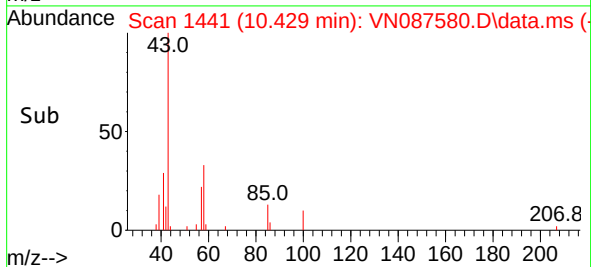
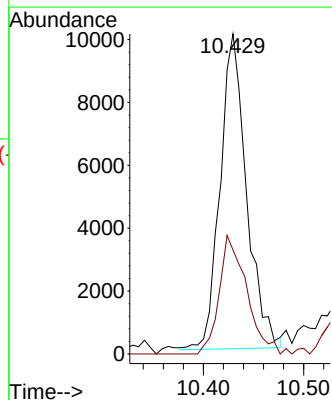
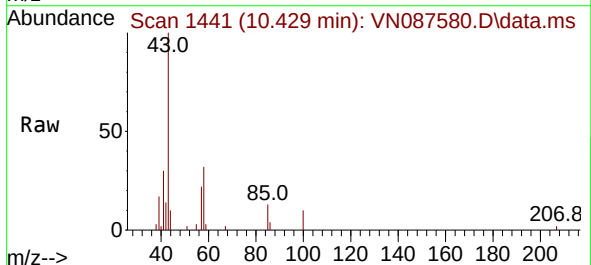
Instrument :
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ClientSampleId :
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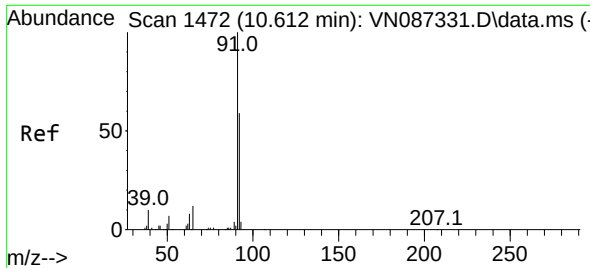
Tgt Ion: 98 Resp: 557271
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 2.860 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

Tgt Ion: 43 Resp: 18382
Ion Ratio Lower Upper
43 100
58 39.1 30.8 46.2

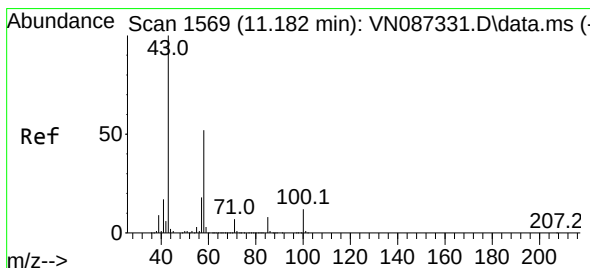
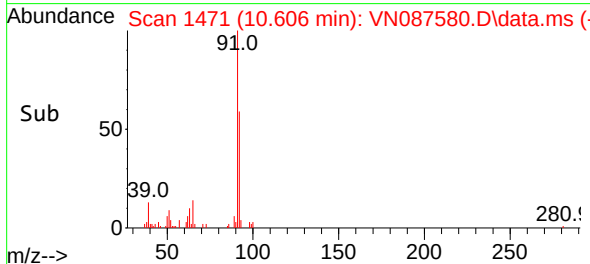
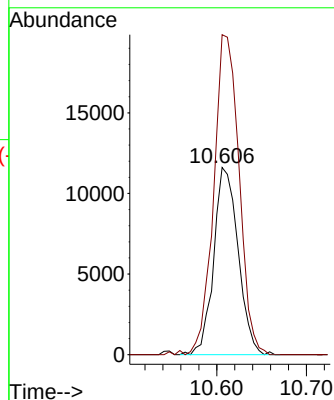
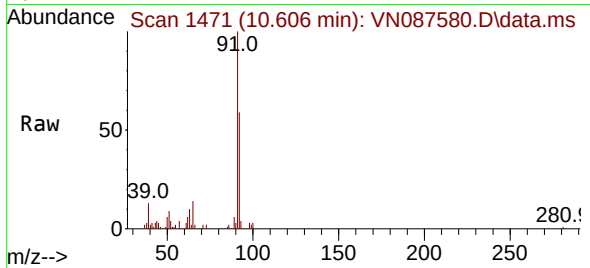




#52
Toluene
Concen: 2.460 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

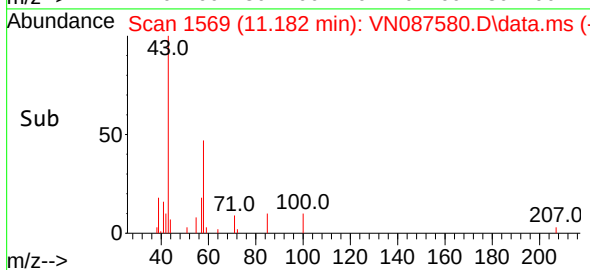
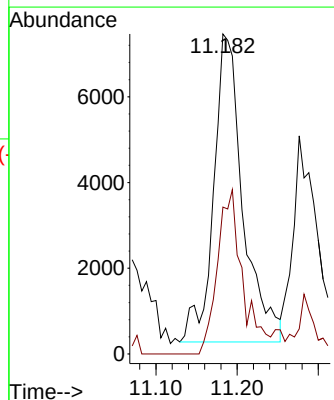
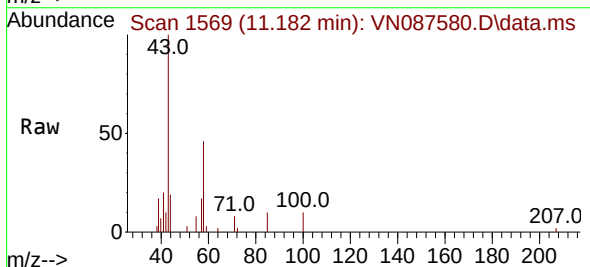
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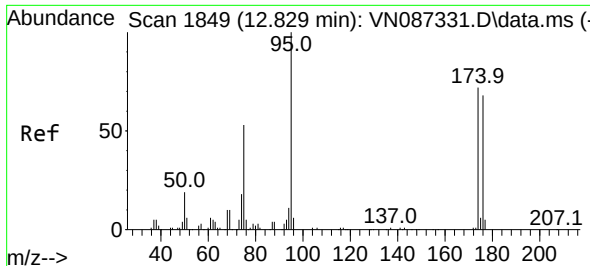
Tgt Ion: 92 Resp: 21904
Ion Ratio Lower Upper
92 100
91 177.6 135.1 202.7



#59
2-Hexanone
Concen: 4.231 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

Tgt Ion: 43 Resp: 18040
Ion Ratio Lower Upper
43 100
58 45.9 26.7 80.0

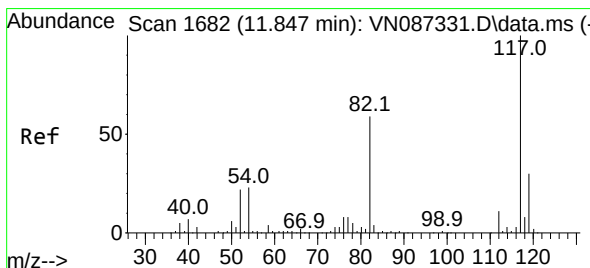
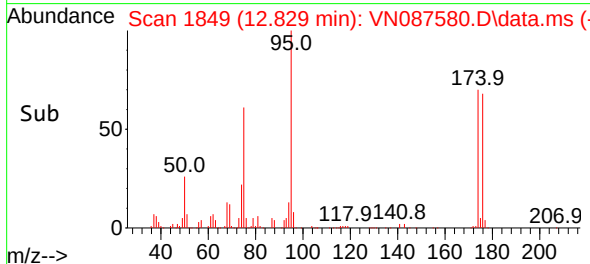
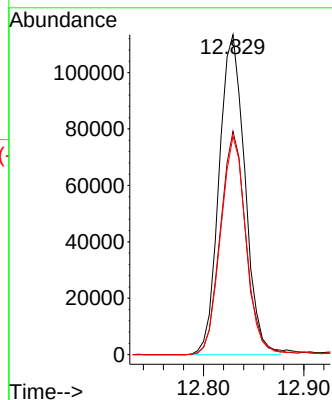
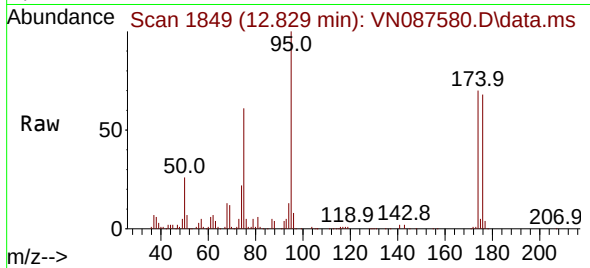




#62
4-Bromofluorobenzene
Concen: 44.665 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

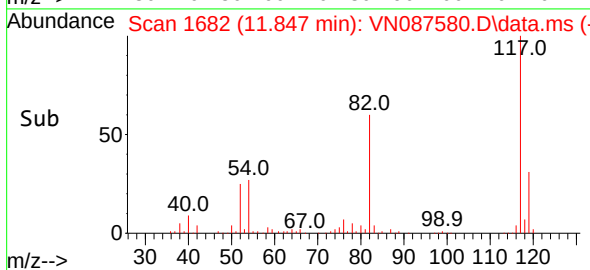
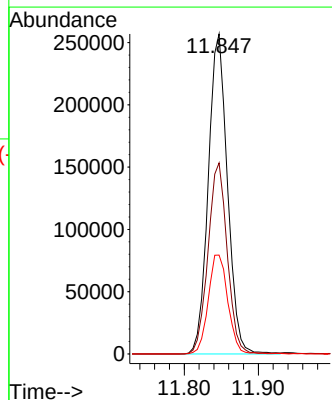
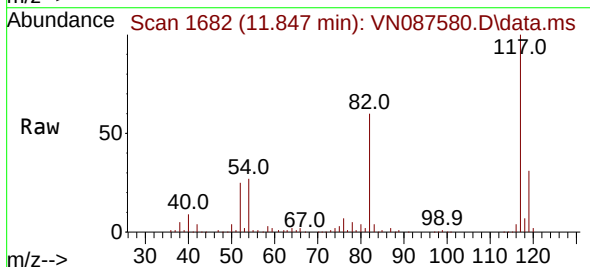
Instrument :
MSVOA_N
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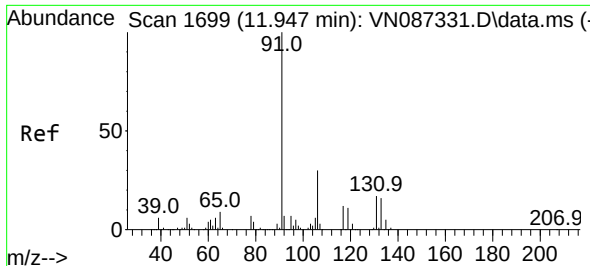
Tgt Ion: 95 Resp: 201939
Ion Ratio Lower Upper
95 100
174 69.1 0.0 149.4
176 67.3 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

Tgt Ion: 117 Resp: 461729
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 30.9 23.8 35.8

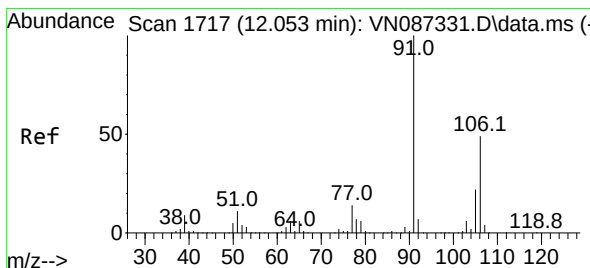
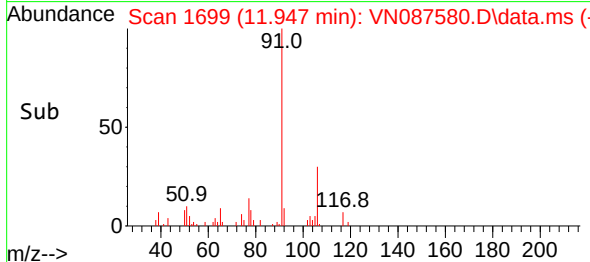
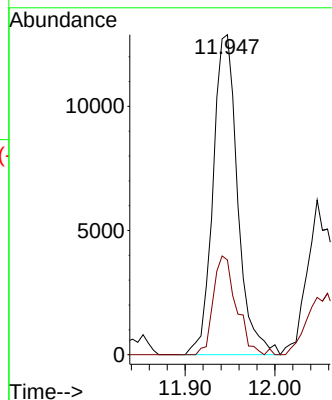
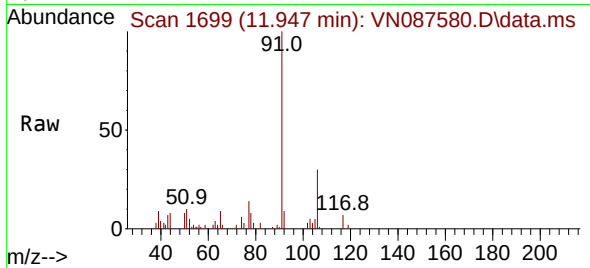




#67
Ethyl Benzene
Concen: 1.442 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

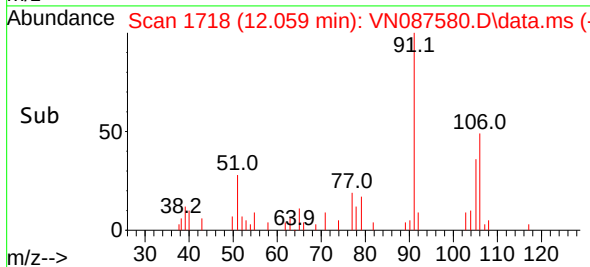
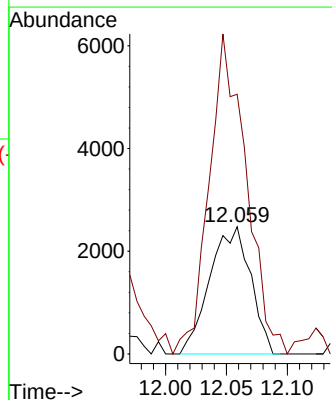
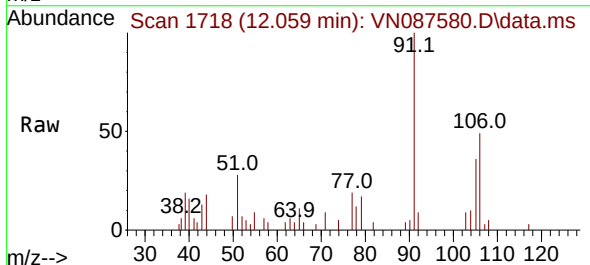
Instrument :
MSVOA_N
ClientSampleId :
NWB-2185

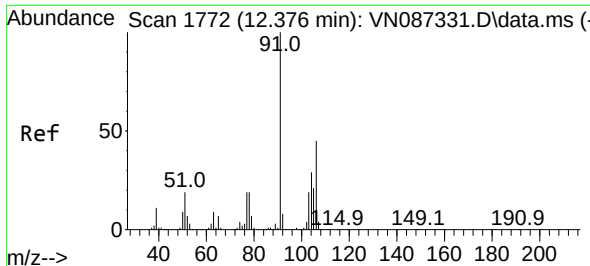
Tgt Ion: 91 Resp: 24605
Ion Ratio Lower Upper
91 100
106 29.6 24.3 36.5



#68
m/p-Xylenes
Concen: 0.904 ug/l
RT: 12.059 min Scan# 1718
Delta R.T. 0.006 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

Tgt Ion: 106 Resp: 5778
Ion Ratio Lower Upper
106 100
91 227.3 162.0 243.0

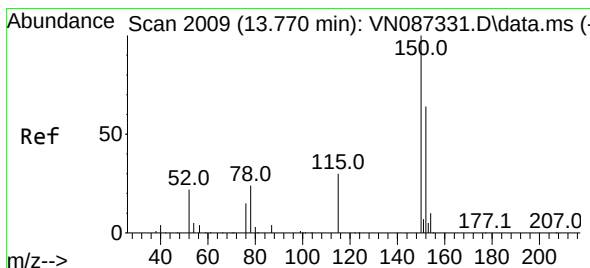
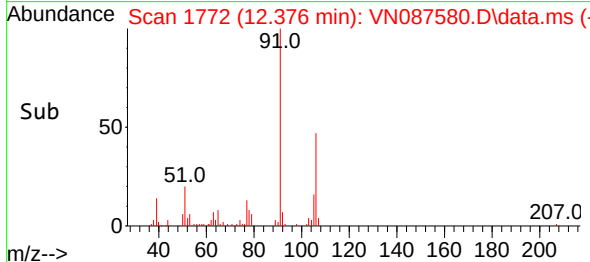
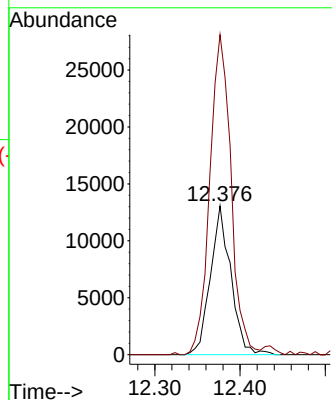
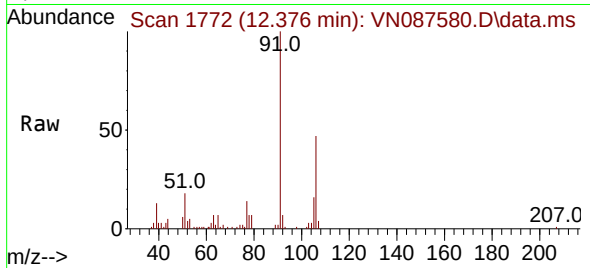




#69
o-Xylene
Concen: 3.573 ug/l
RT: 12.376 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

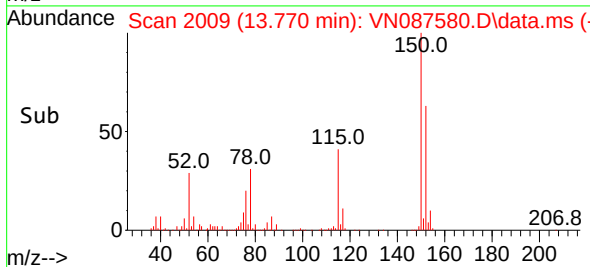
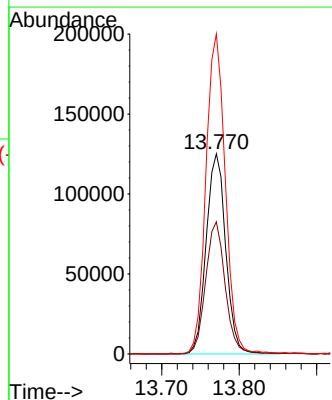
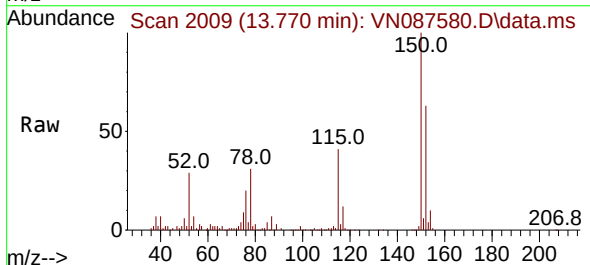
Instrument :
MSVOA_N
ClientSampleId :
NWB-2185

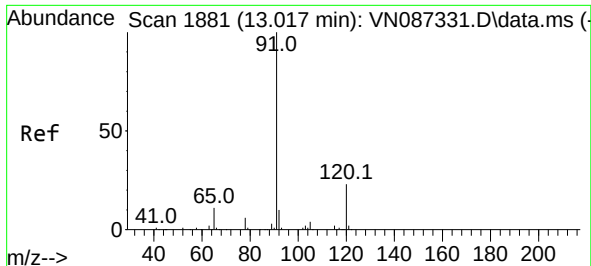
Tgt Ion:106 Resp: 21813
Ion Ratio Lower Upper
106 100
91 222.7 107.7 323.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

Tgt Ion:152 Resp: 219403
Ion Ratio Lower Upper
152 100
115 65.5 31.1 93.5
150 158.0 0.0 349.0

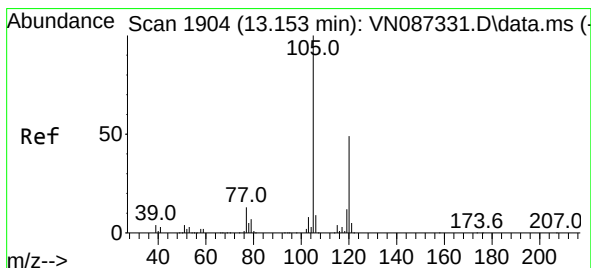
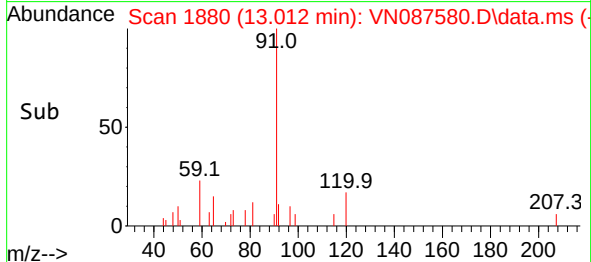
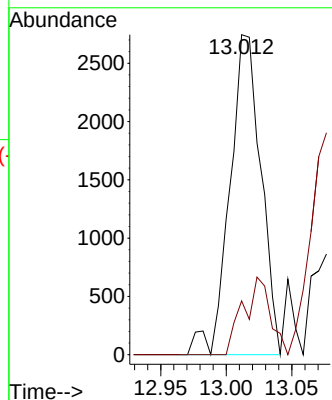
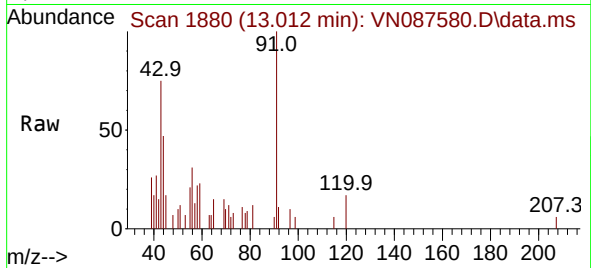




#78
n-propylbenzene
Concen: 0.262 ug/l
RT: 13.012 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

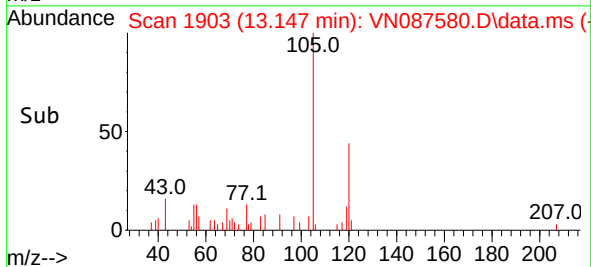
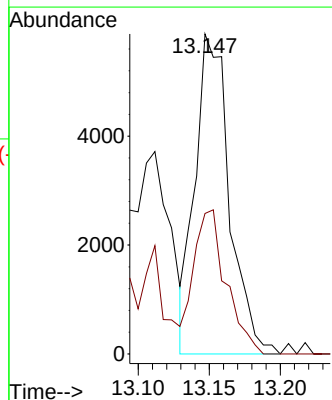
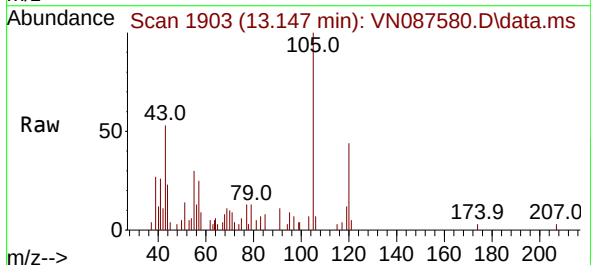
Instrument :
MSVOA_N
ClientSampleId :
NWB-2185

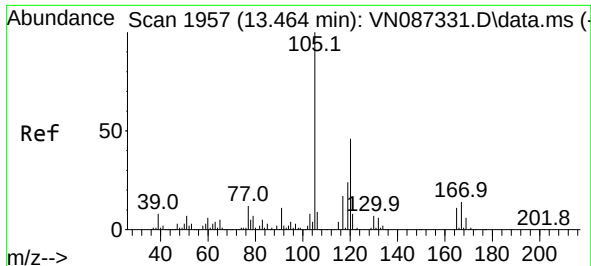
Tgt Ion: 91 Resp: 4547
Ion Ratio Lower Upper
91 100
120 21.0 11.3 33.8



#80
1,3,5-Trimethylbenzene
Concen: 0.839 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

Tgt Ion: 105 Resp: 9868
Ion Ratio Lower Upper
105 100
120 42.6 24.3 72.8

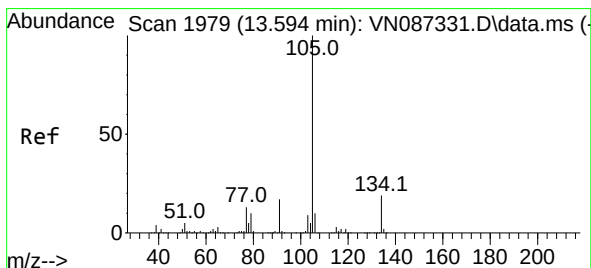
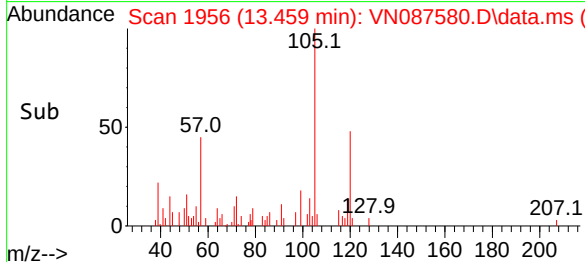
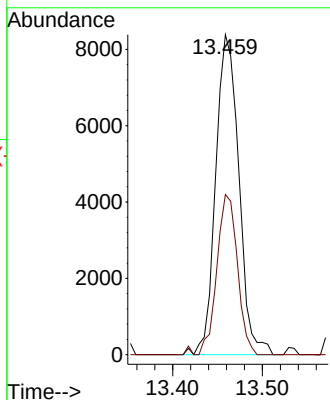
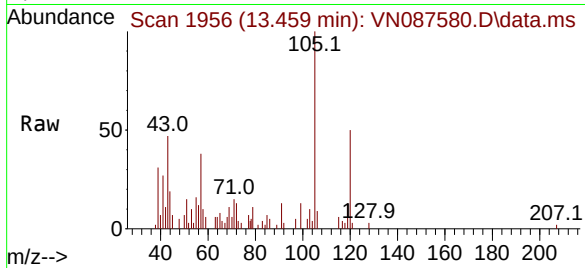




#84
1,2,4-Trimethylbenzene
Concen: 1.252 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.006 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

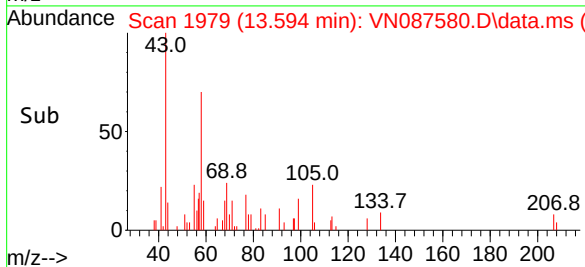
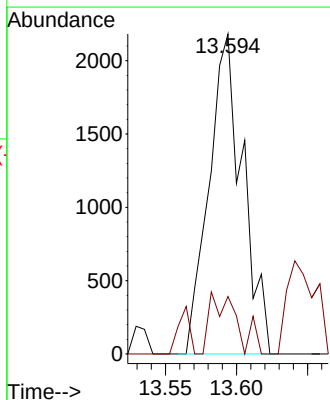
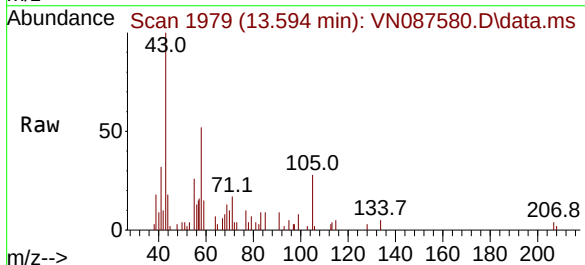
Instrument :
MSVOA_N
ClientSampleId :
NWB-2185

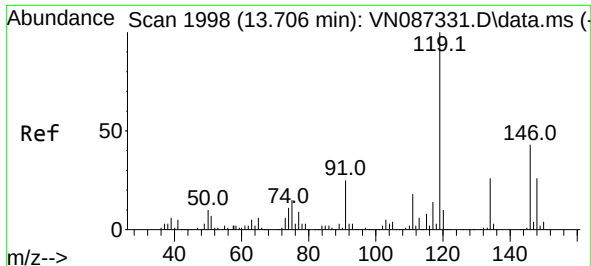
Tgt Ion:105 Resp: 15043
Ion Ratio Lower Upper
105 100
120 44.3 22.8 68.3



#85
sec-Butylbenzene
Concen: 0.244 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

Tgt Ion:105 Resp: 3611
Ion Ratio Lower Upper
105 100
134 15.5 9.8 29.4

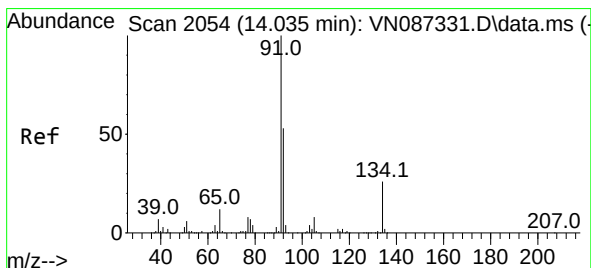
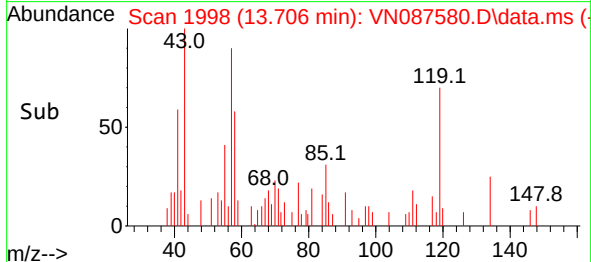
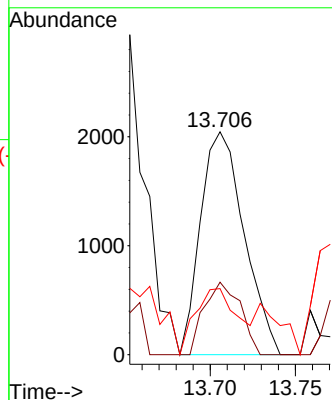
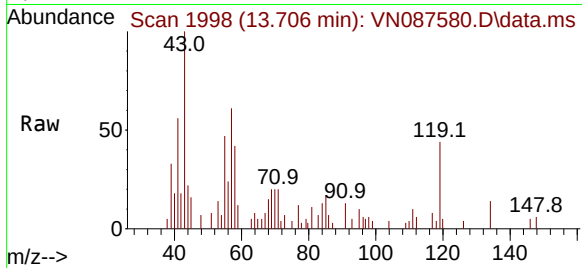




#86
p-Isopropyltoluene
Concen: 0.307 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

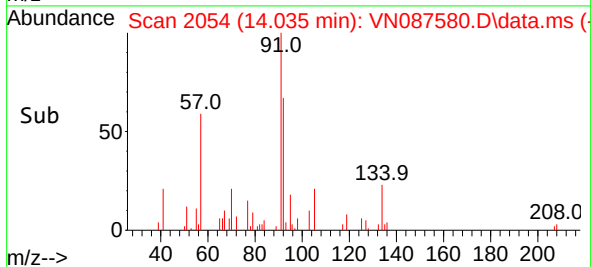
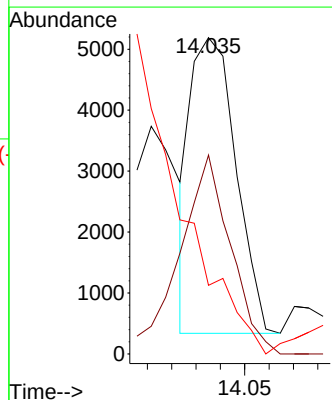
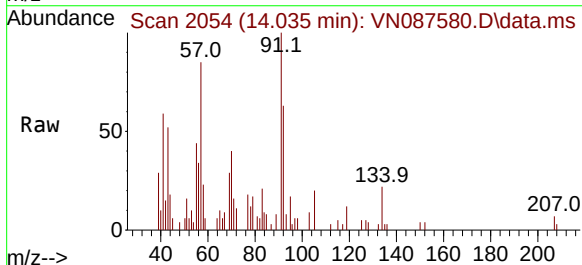
Instrument :
MSVOA_N
ClientSampleId :
NWB-2185

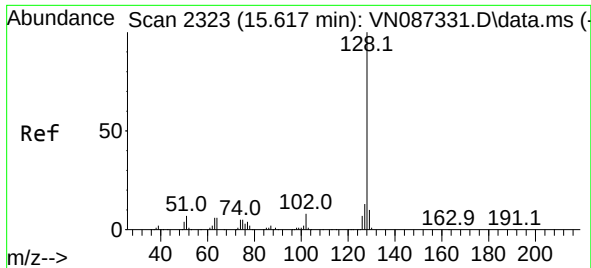
Tgt Ion:119 Resp: 3636
Ion Ratio Lower Upper
119 100
134 27.1 13.5 40.5
91 28.9 12.2 36.6



#89
n-Butylbenzene
Concen: 0.551 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087580.D
Acq: 15 Aug 2025 14:35

Tgt Ion: 91 Resp: 6237
Ion Ratio Lower Upper
91 100
92 74.2 26.2 78.6
134 0.0 12.4 37.2#





#95

Naphthalene

Concen: 13.997 ug/l

RT: 15.611 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN087580.D

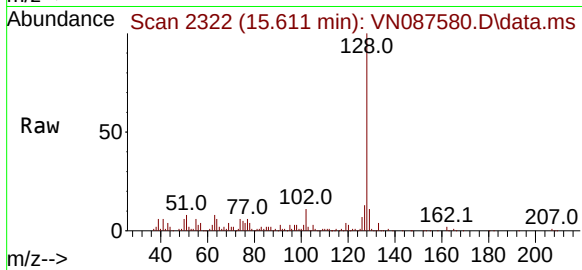
Acq: 15 Aug 2025 14:35

Instrument :

MSVOA_N

ClientSampleId :

NWB-2185



Tgt Ion:128 Resp: 193949

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

129 12.2 8.4 12.6

