

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088174.D
 Acq On : 31 Oct 2025 09:53
 Operator : JC\MD
 Sample : VN1031MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031MBL01

Quant Time: Nov 01 00:27:05 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	249193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	562998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	537203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	258761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	255484	59.290	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	118.580%
35) Dibromofluoromethane	8.147	113	194547	51.437	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.880%
50) Toluene-d8	10.547	98	724144	49.689	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.380%
62) 4-Bromofluorobenzene	12.829	95	283275	55.038	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.080%
Target Compounds						
						Qvalue
5) Bromomethane	2.989	94	939	0.436	ug/l	96
10) Methyl Iodide	4.595	142	669	4.420	ug/l #	38
11) Tert butyl alcohol	5.512	59	212	0.286	ug/l #	71
13) Acrolein	4.183	56	1410	1.689	ug/l #	36
14) Allyl chloride	5.006	41	1145	0.209	ug/l #	51
15) Acrylonitrile	5.694	53	895	0.443	ug/l #	58
16) Acetone	4.430	43	1315	0.607	ug/l #	66
17) Carbon Disulfide	4.706	76	5038	0.529	ug/l	97
20) Methylene Chloride	5.265	84	470	0.910	ug/l #	39
21) trans-1,2-Dichloroethene	5.789	96	840	0.244	ug/l #	43
23) Vinyl Acetate	6.588	43	2386	0.229	ug/l #	72
25) 2-Butanone	7.483	43	2788	0.977	ug/l #	81
29) Tetrahydrofuran	7.830	42	1651	0.888	ug/l #	76
31) Cyclohexane	8.206	56	9139	1.515	ug/l #	14
36) 1,1-Dichloropropene	8.353	75	1153	0.209	ug/l #	48
38) Carbon Tetrachloride	8.206	117	29297	5.136	ug/l #	15
39) Methylcyclohexane	9.577	83	2373	0.334	ug/l #	88
51) 4-Methyl-2-Pentanone	10.424	43	3120	0.482	ug/l #	59
58) 2-Chloroethyl Vinyl ether	10.147	63	1533	0.473	ug/l #	66
59) 2-Hexanone	11.029	43	1830	0.426	ug/l	72
64) Tetrachloroethene	11.088	164	717	0.202	ug/l #	76
68) m/p-Xylenes	12.053	106	2409	0.300	ug/l	95
73) Isopropylbenzene	12.670	105	4841	0.243	ug/l	81
76) 1,2,3-Trichloropropane	12.829	75	161485	27.296	ug/l #	1
78) n-propylbenzene	13.029	91	6563	0.269	ug/l	96
80) 1,3,5-Trimethylbenzene	13.147	105	4253	0.257	ug/l	81
81) trans-1,4-Dichloro-2-b...	12.829	75	161485	76.143	ug/l #	1
83) tert-Butylbenzene	13.417	119	5953	0.402	ug/l	93
84) 1,2,4-Trimethylbenzene	13.470	105	5064	0.305	ug/l	95
85) sec-Butylbenzene	13.594	105	10053	0.462	ug/l	95
86) p-Isopropyltoluene	13.706	119	7584	0.435	ug/l #	84
87) 1,3-Dichlorobenzene	13.717	146	3325	0.387	ug/l #	64
88) 1,4-Dichlorobenzene	13.788	146	2972	0.322	ug/l #	1
89) n-Butylbenzene	14.041	91	9044	0.523	ug/l	94
90) Hexachloroethane	14.300	117	1773	0.525	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	2243	0.271	ug/l	97

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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)
93) 1,2,4-Trichlorobenzene	15.370	180	4329	0.863	ug/l #	84
94) Hexachlorobutadiene	15.476	225	4596	2.461	ug/l	97
95) Naphthalene	15.617	128	11105	0.646	ug/l	94
96) 1,2,3-Trichlorobenzene	15.811	180	3896	0.810	ug/l	96

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

Instrument :

MSVOA N

ClientSampleId :

VN1031MBL01

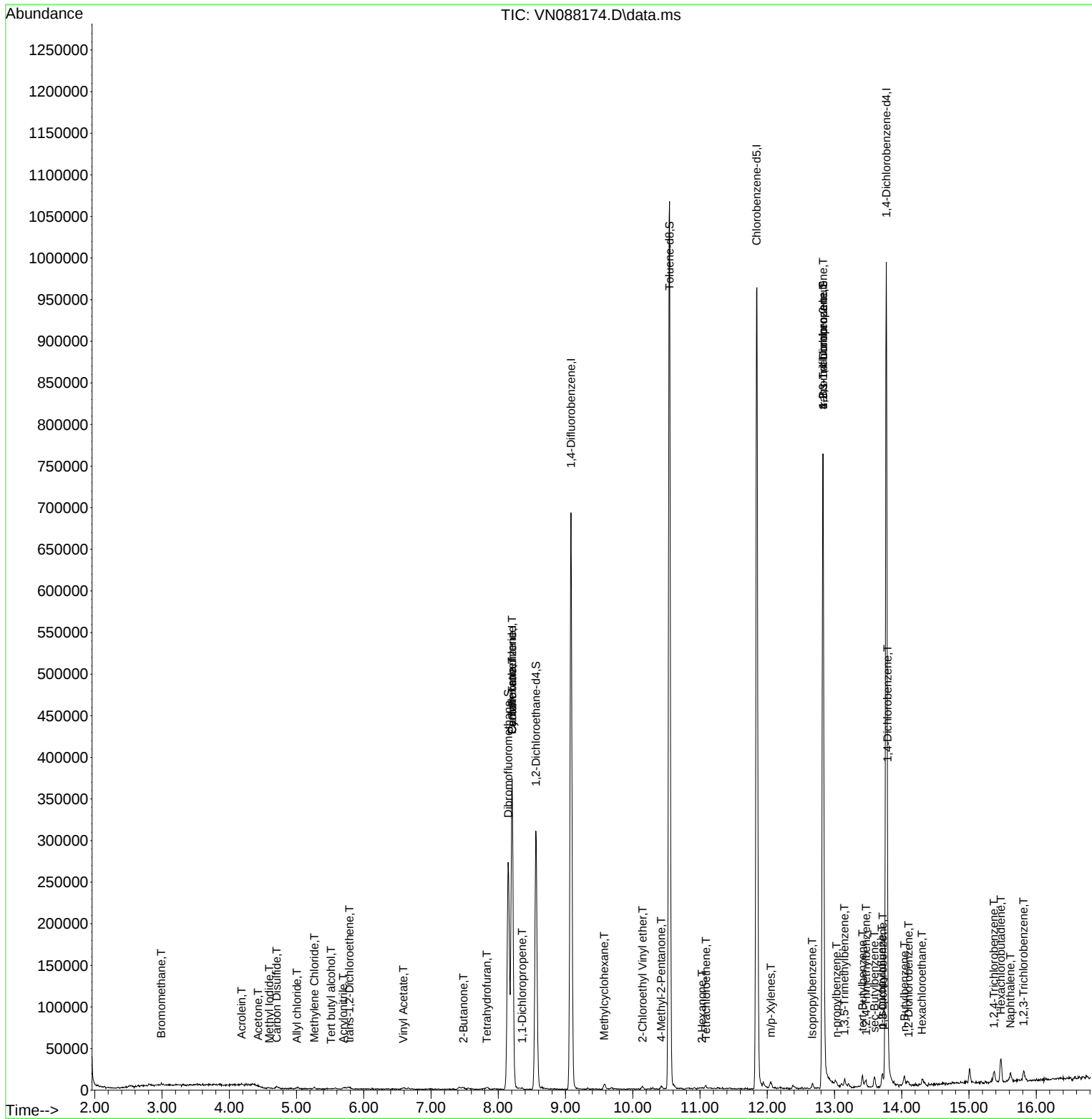
Quant Time: Nov 01 00:27:05 2025

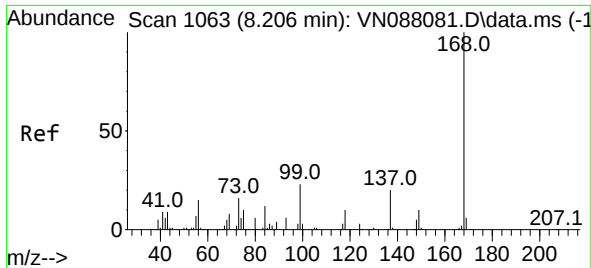
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M

Quant Title : SW846 8260

QLast Update : Sat Oct 25 00:15:22 2025

Response via : Initial Calibration

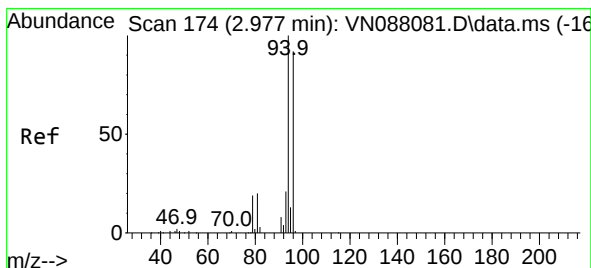
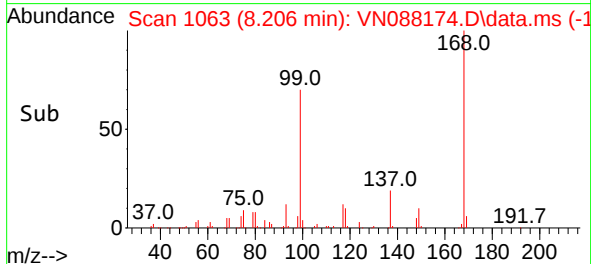
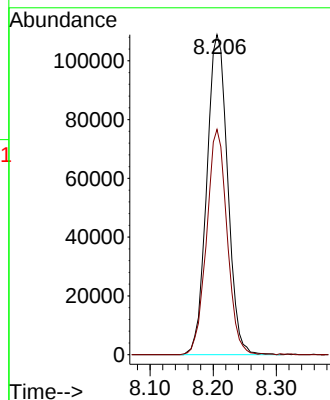
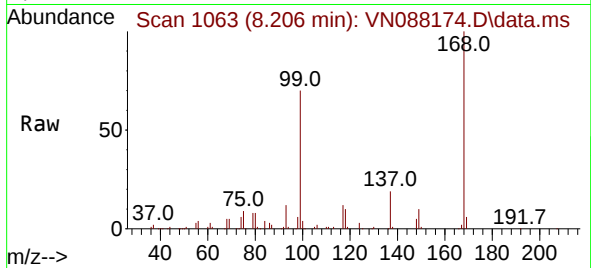




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

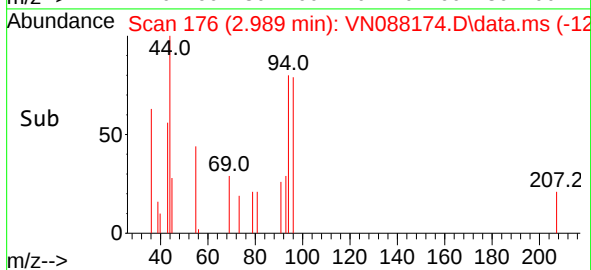
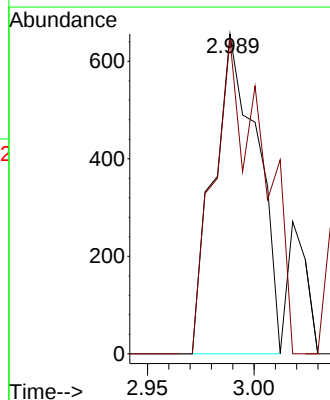
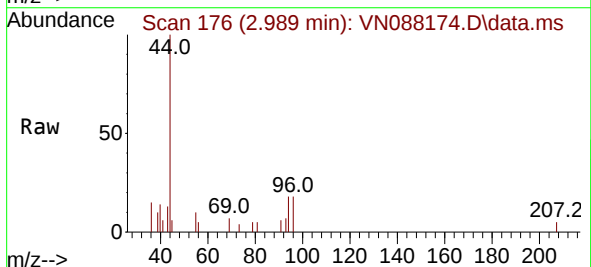
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

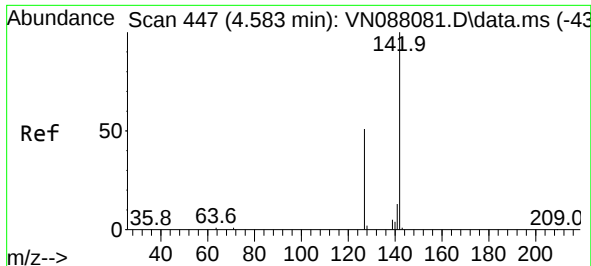
Tgt Ion:168 Resp: 249193
Ion Ratio Lower Upper
168 100
99 70.4 57.2 85.8



#5
Bromomethane
Concen: 0.436 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.018 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion: 94 Resp: 939
Ion Ratio Lower Upper
94 100
96 98.5 75.4 113.2

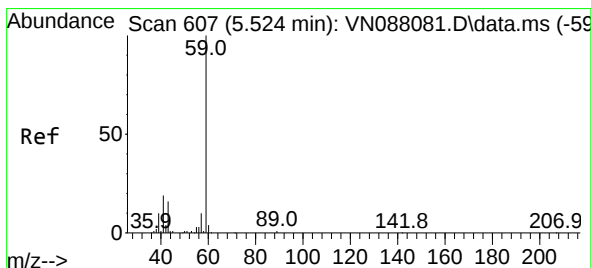
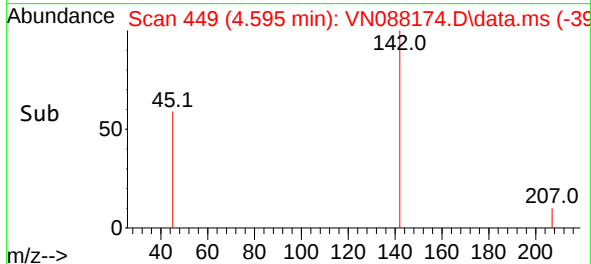
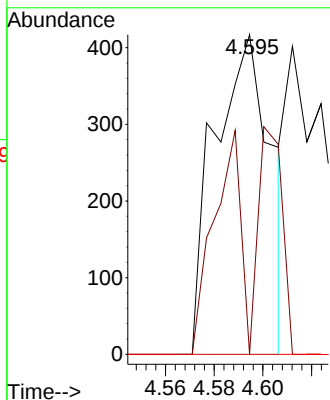
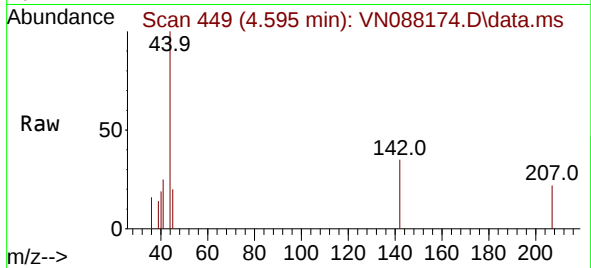




#10
Methyl Iodide
Concen: 4.420 ug/l
RT: 4.595 min Scan# 447
Delta R.T. 0.018 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

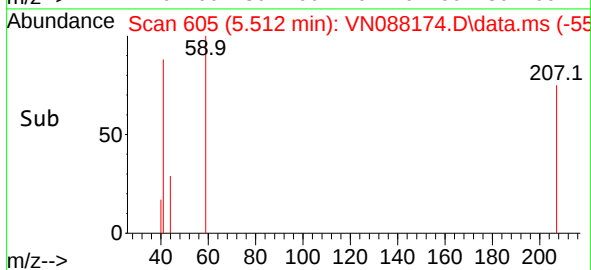
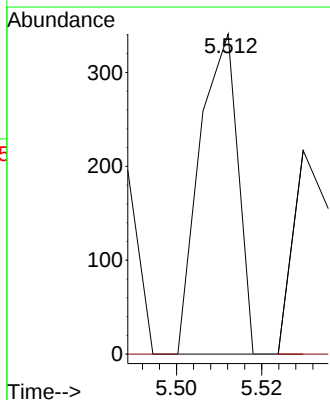
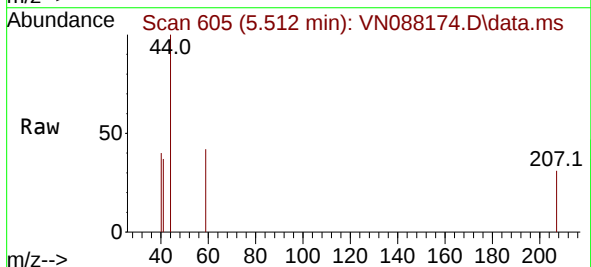
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

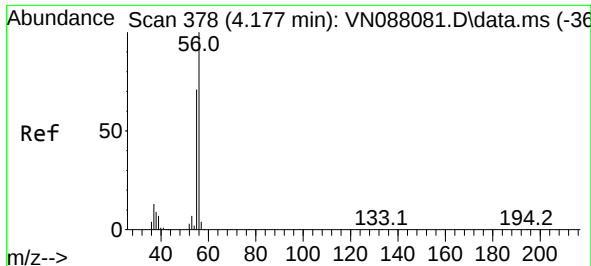
Tgt Ion:142 Resp: 669
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 0.286 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion: 59 Resp: 212
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

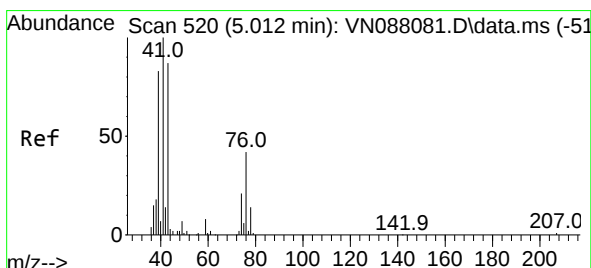
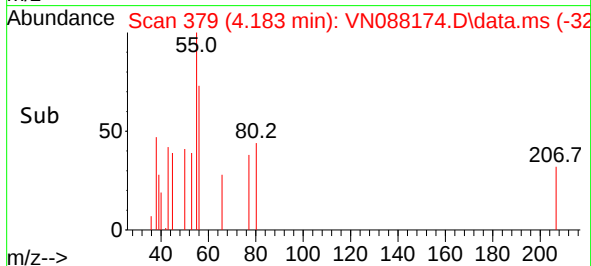
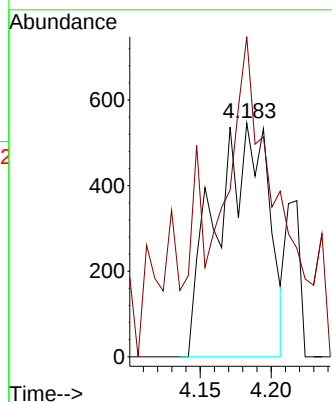
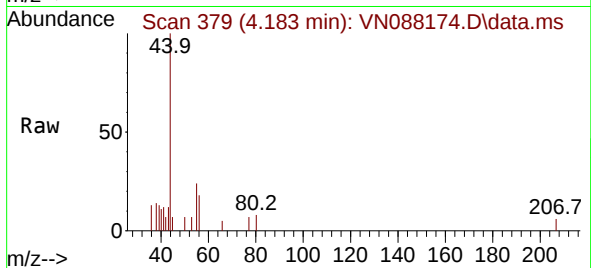




#13
Acrolein
Concen: 1.689 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

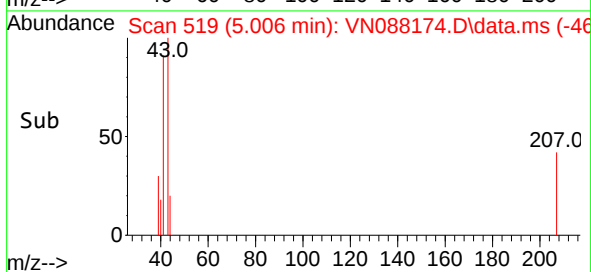
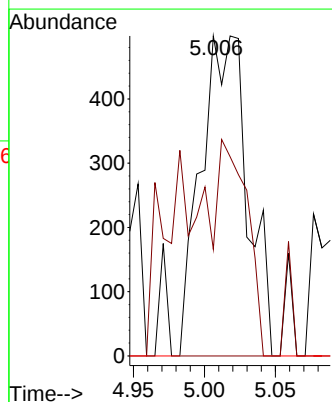
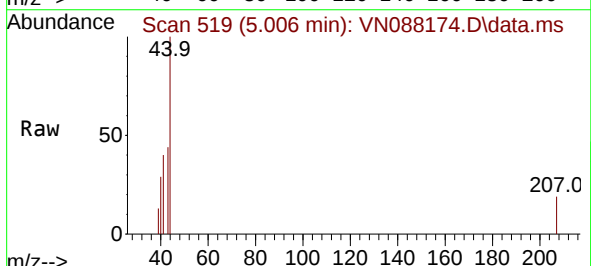
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

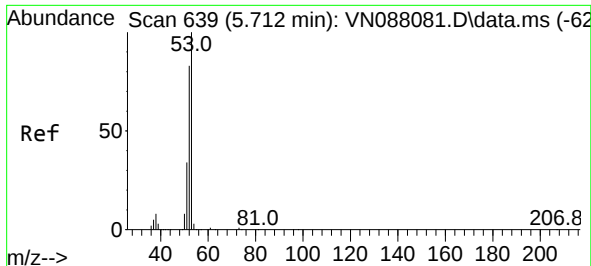
Tgt Ion: 56 Resp: 1410
Ion Ratio Lower Upper
56 100
55 125.0 57.3 85.9#



#14
Allyl chloride
Concen: 0.209 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion: 41 Resp: 1145
Ion Ratio Lower Upper
41 100
39 41.3 63.9 95.9#
76 0.0 28.1 42.1#

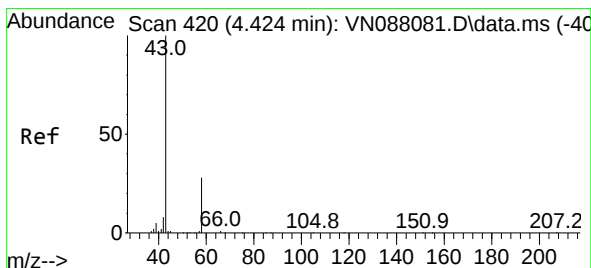
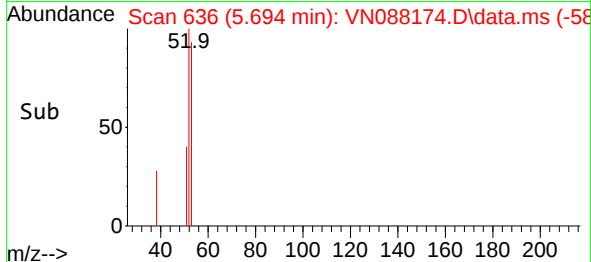
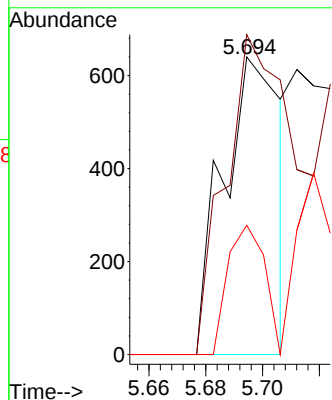
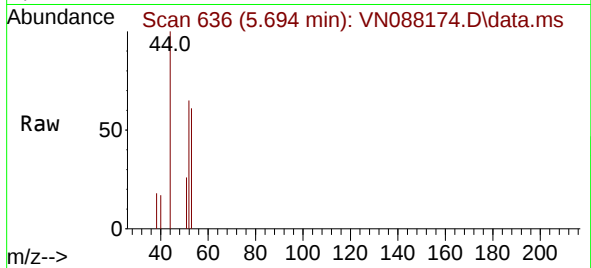




#15
Acrylonitrile
Concen: 0.443 ug/l
RT: 5.694 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

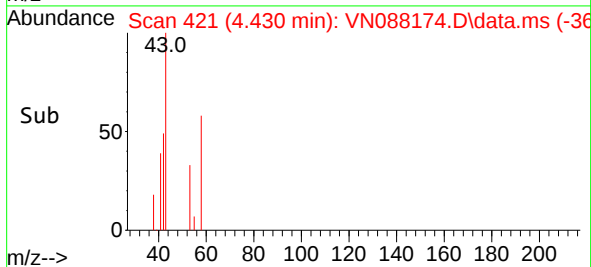
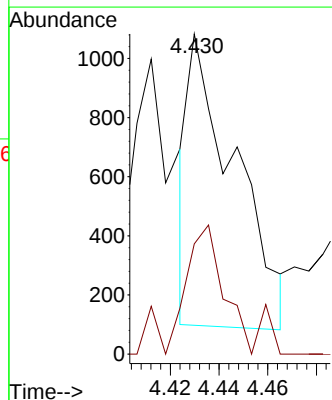
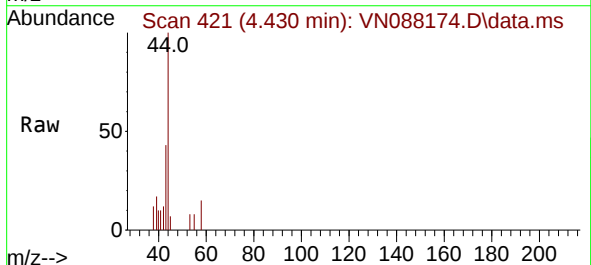
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ClientSampleId :
VN1031MBL01

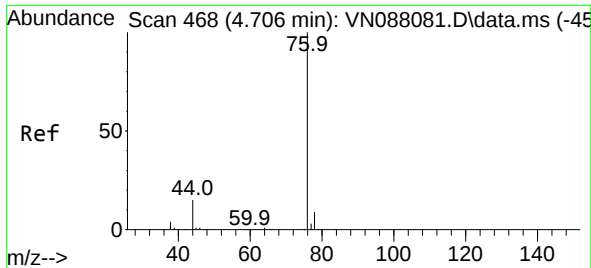
Tgt Ion: 53 Resp: 895
Ion Ratio Lower Upper
53 100
52 133.3 67.6 101.4#
51 28.2 30.1 45.1#



#16
Acetone
Concen: 0.607 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion: 43 Resp: 1315
Ion Ratio Lower Upper
43 100
58 45.9 22.6 33.8#





#17

Carbon Disulfide

Concen: 0.529 ug/l

RT: 4.706 min Scan# 4

Delta R.T. 0.006 min

Lab File: VN088174.D

Acq: 31 Oct 2025 09:53

Instrument :

MSVOA_N

ClientSampleId :

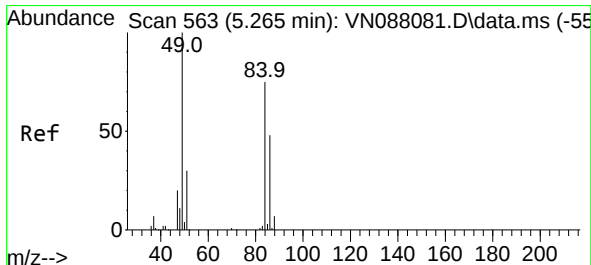
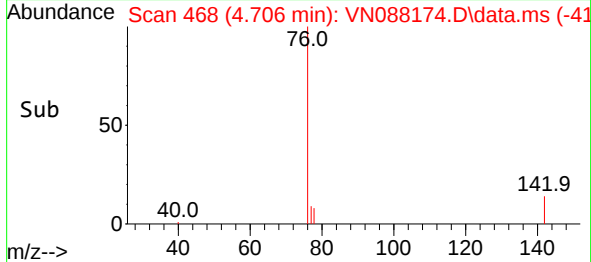
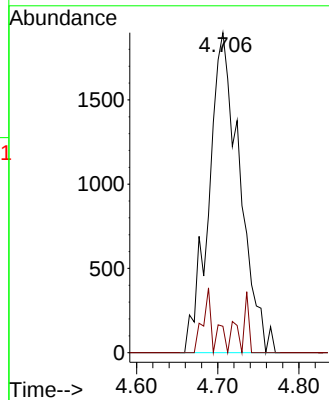
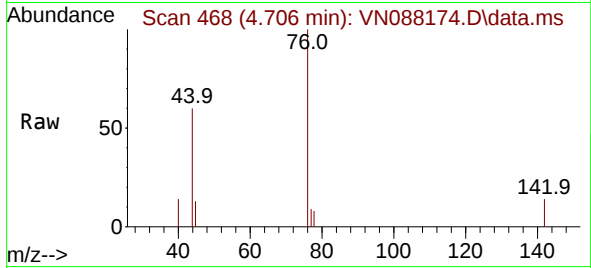
VN1031MBL01

Tgt Ion: 76 Resp: 5038

Ion Ratio Lower Upper

76 100

78 8.3 7.6 11.4



#20

Methylene Chloride

Concen: 0.910 ug/l

RT: 5.265 min Scan# 563

Delta R.T. 0.000 min

Lab File: VN088174.D

Acq: 31 Oct 2025 09:53

Tgt Ion: 84 Resp: 470

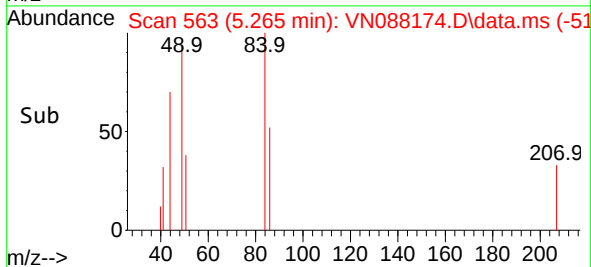
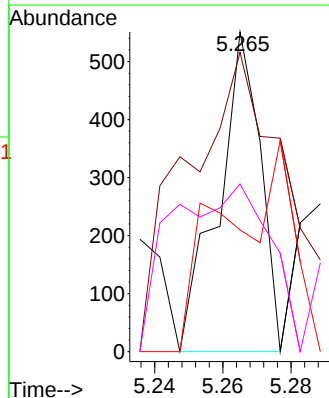
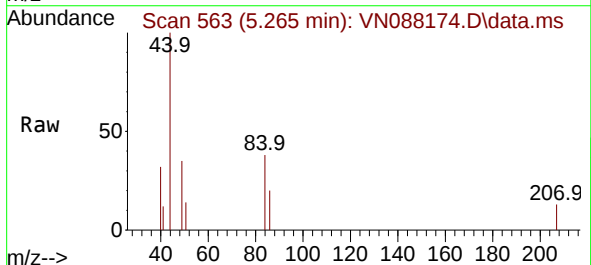
Ion Ratio Lower Upper

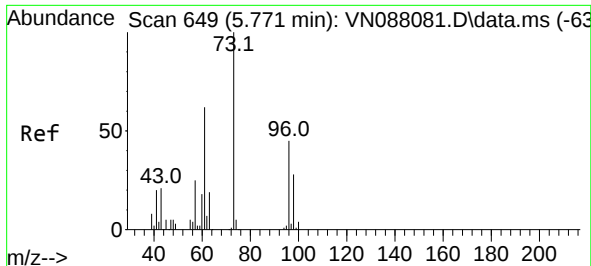
84 100

49 32.7 103.4 155.2#

51 38.1 33.8 50.8

86 21.6 49.6 74.4#

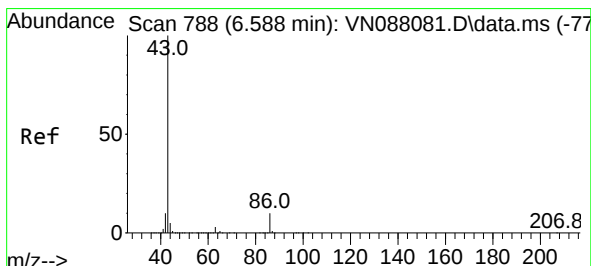
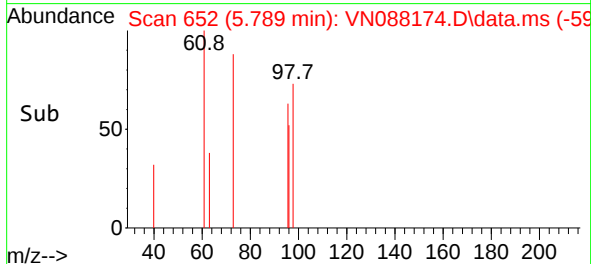
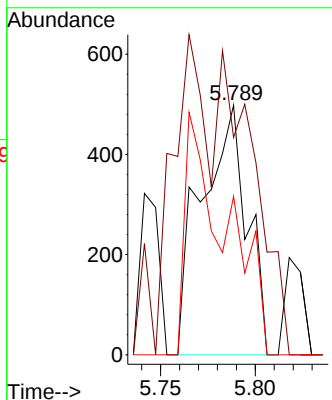
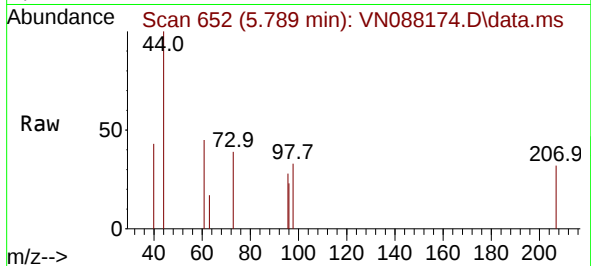




#21
trans-1,2-Dichloroethene
Concen: 0.244 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

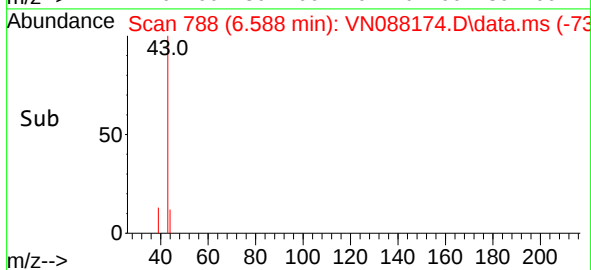
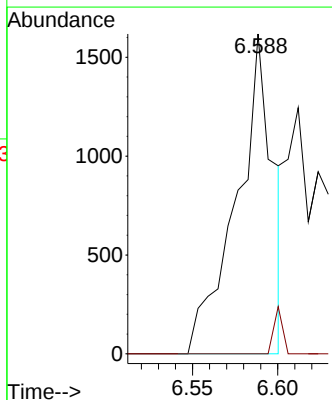
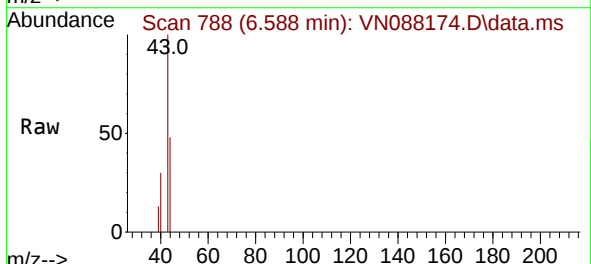
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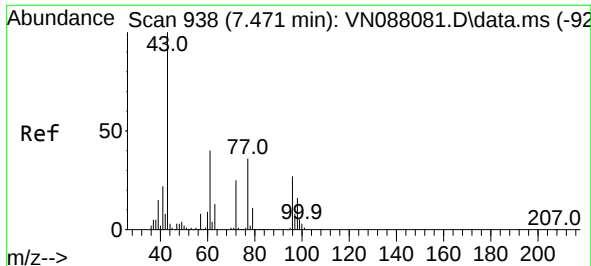
Tgt Ion: 96 Resp: 840
Ion Ratio Lower Upper
96 100
61 45.8 118.0 177.0#
98 63.5 50.0 75.0



#23
Vinyl Acetate
Concen: 0.229 ug/l
RT: 6.588 min Scan# 788
Delta R.T. -0.000 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion: 43 Resp: 2386
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

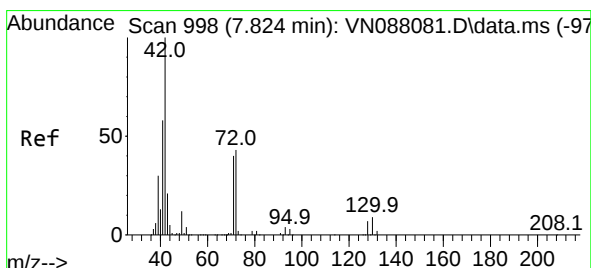
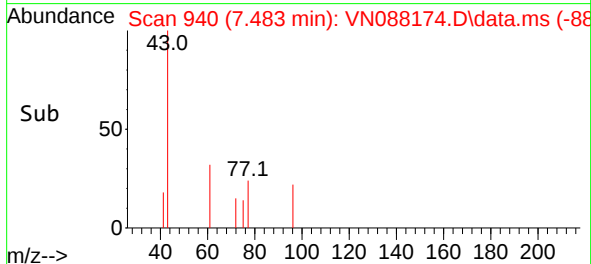
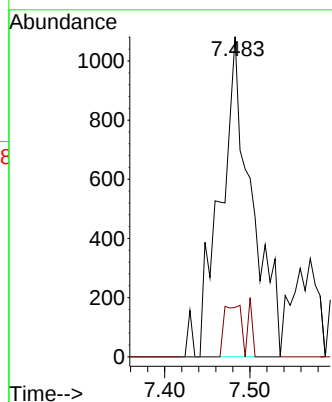
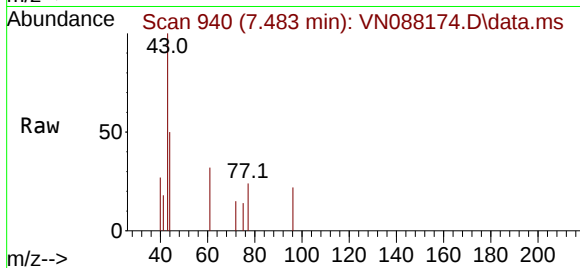




#25
2-Butanone
Concen: 0.977 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

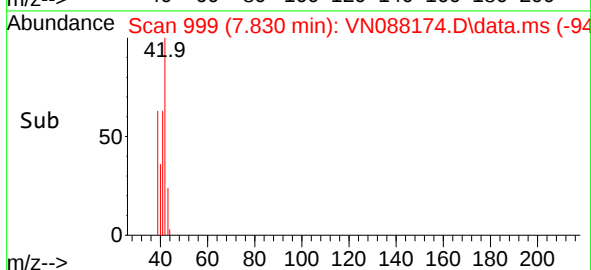
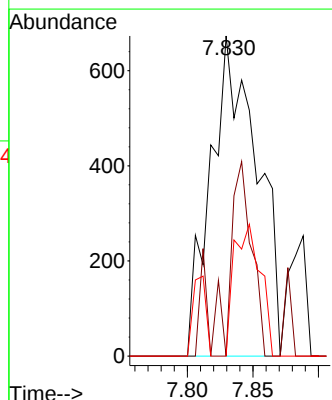
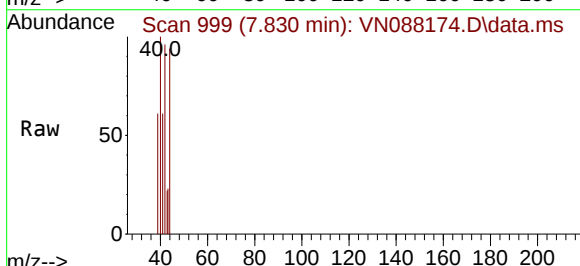
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

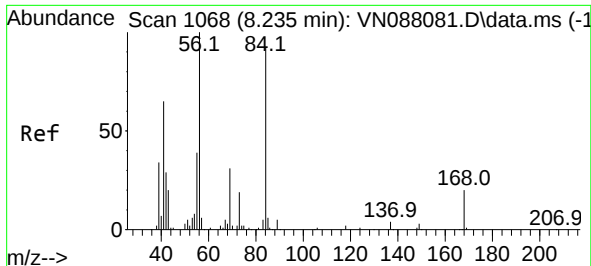
Tgt Ion: 43 Resp: 2788
Ion Ratio Lower Upper
43 100
72 15.4 19.9 29.9#



#29
Tetrahydrofuran
Concen: 0.888 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.006 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion: 42 Resp: 1651
Ion Ratio Lower Upper
42 100
72 28.5 33.7 50.5#
71 23.4 31.9 47.9#

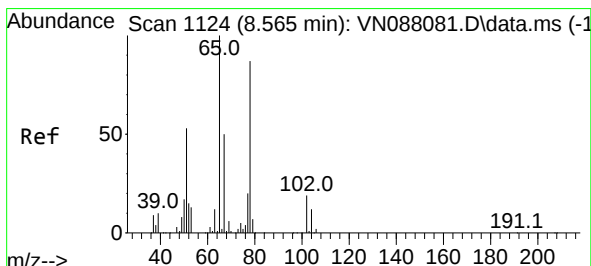
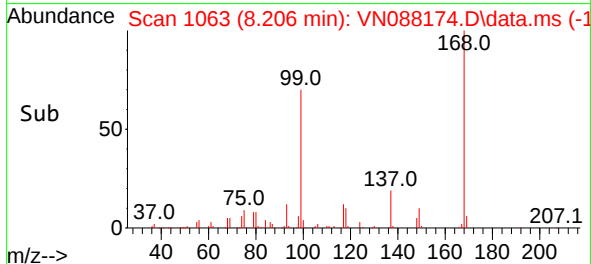
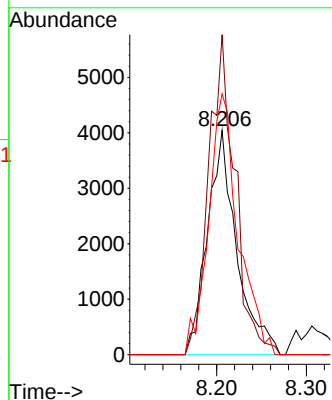
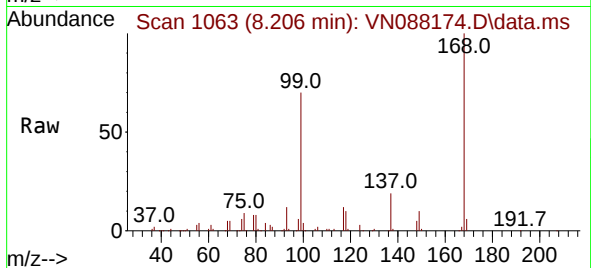




#31
Cyclohexane
Concen: 1.515 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

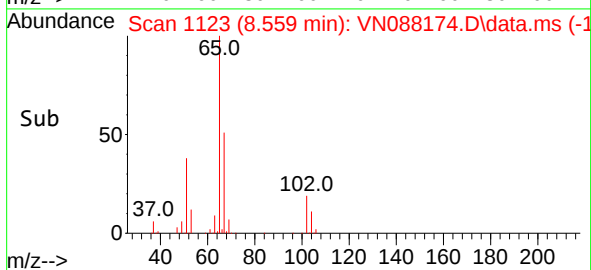
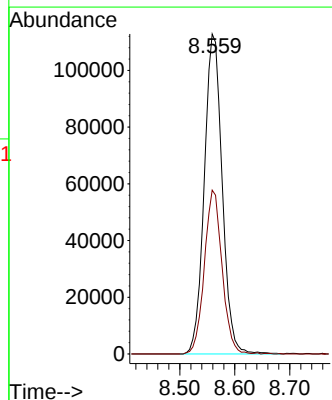
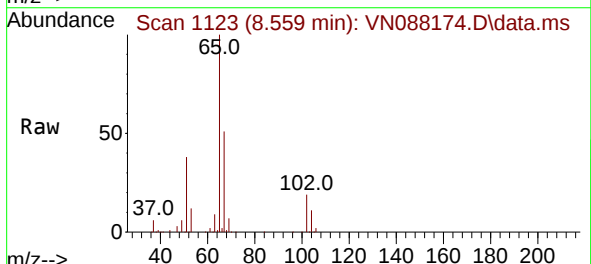
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

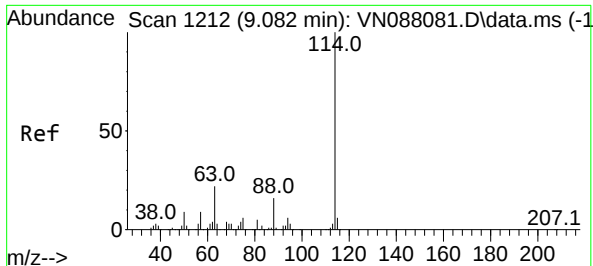
Tgt Ion: 56 Resp: 9139
Ion Ratio Lower Upper
56 100
69 142.8 23.7 35.5#
84 116.4 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 59.290 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion: 65 Resp: 255484
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088174.D

Acq: 31 Oct 2025 09:53

Instrument :

MSVOA_N

ClientSampleId :

VN1031MBL01

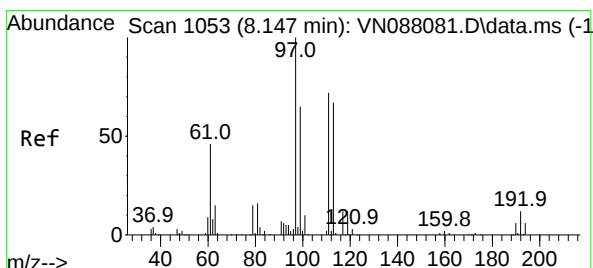
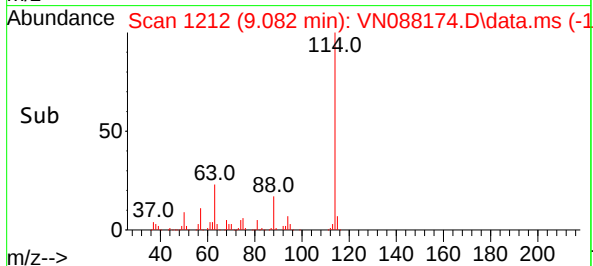
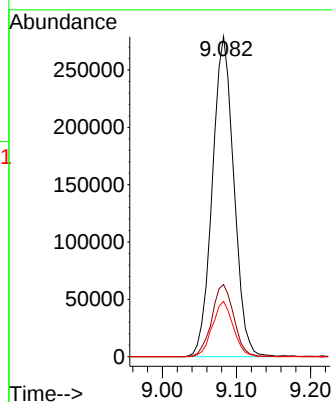
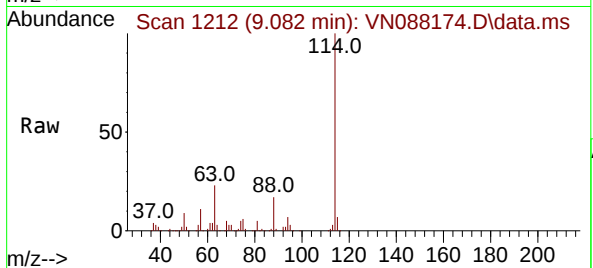
Tgt Ion:114 Resp: 562998

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.2

88 17.3 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.437 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088174.D

Acq: 31 Oct 2025 09:53

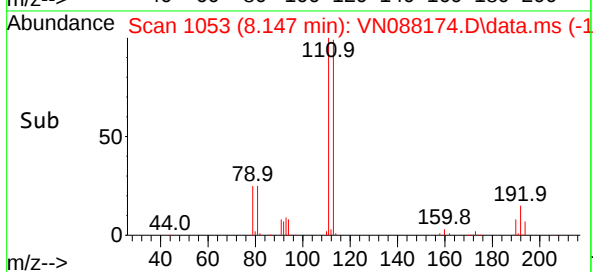
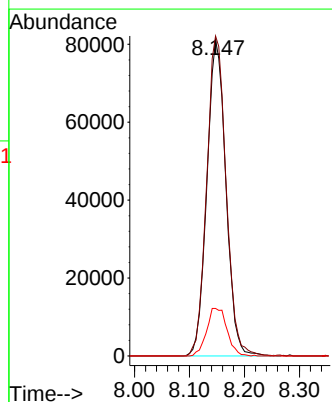
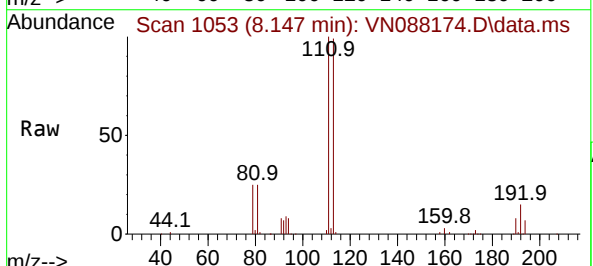
Tgt Ion:113 Resp: 194547

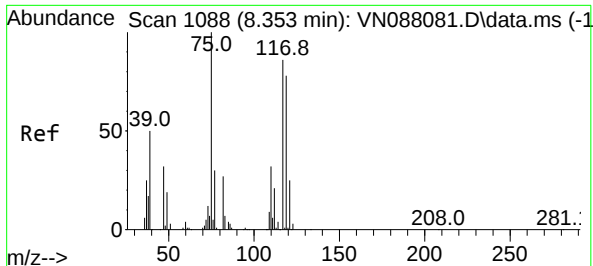
Ion Ratio Lower Upper

113 100

111 103.4 82.8 124.2

192 16.2 12.8 19.2





#36

1,1-Dichloropropene

Concen: 0.209 ug/l

RT: 8.353 min Scan# 1063

Delta R.T. -0.000 min

Lab File: VN088174.D

Acq: 31 Oct 2025 09:53

Instrument :

MSVOA_N

ClientSampleId :

VN1031MBL01

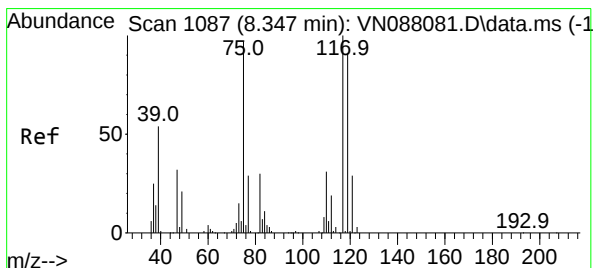
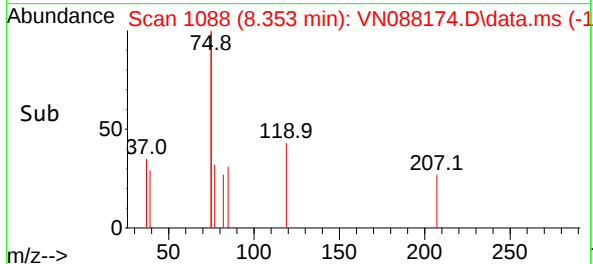
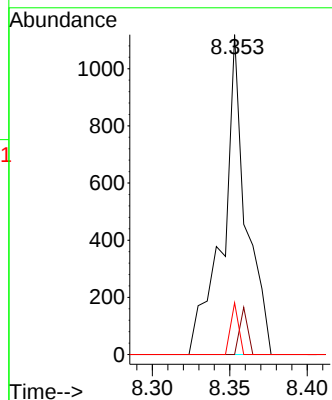
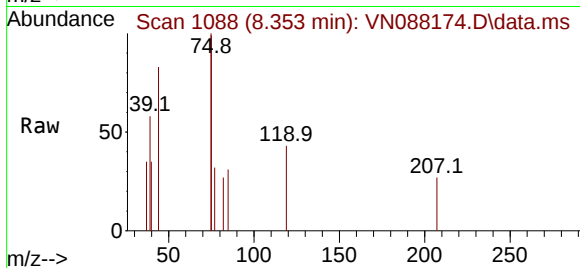
Tgt Ion: 75 Resp: 1153

Ion Ratio Lower Upper

75 100

110 0.0 15.9 47.6#

77 5.6 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.136 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN088174.D

Acq: 31 Oct 2025 09:53

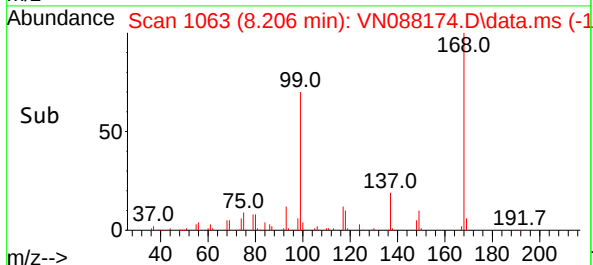
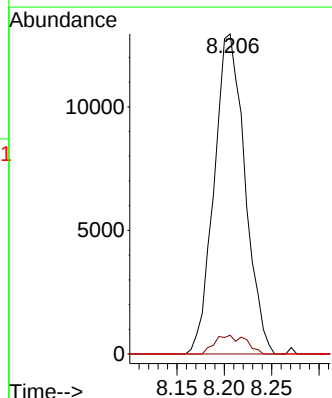
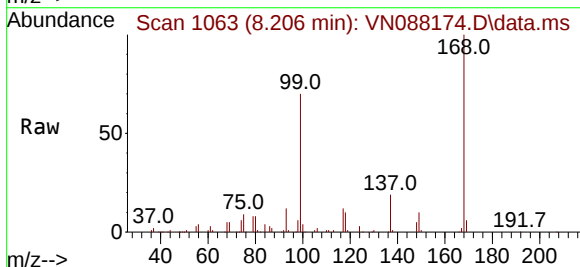
Tgt Ion: 117 Resp: 29297

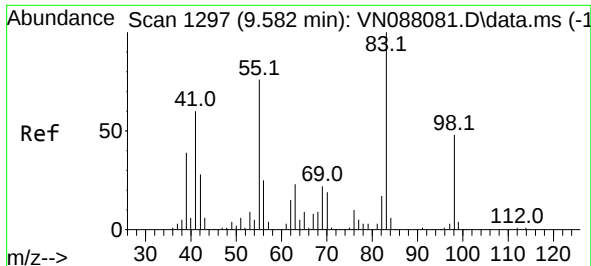
Ion Ratio Lower Upper

117 100

119 5.9 79.0 118.6#

121 0.0 25.0 37.6#

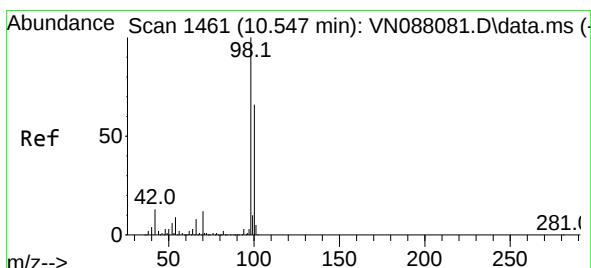
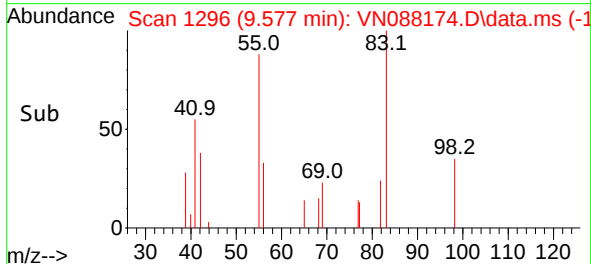
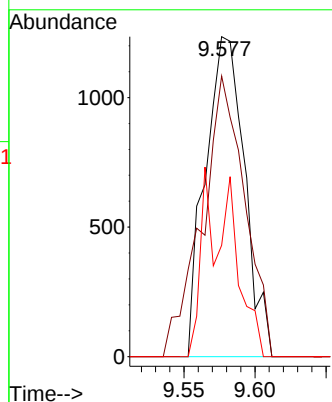
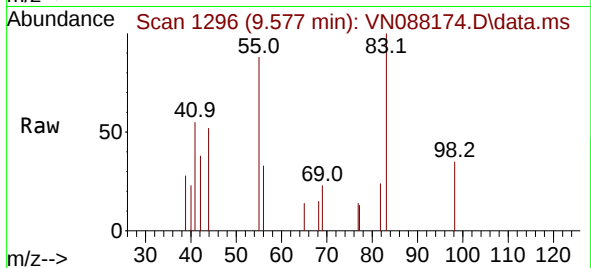




#39
Methylcyclohexane
Concen: 0.334 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

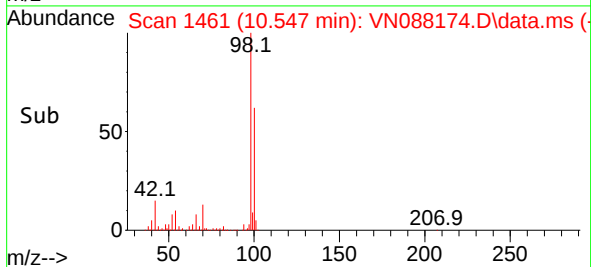
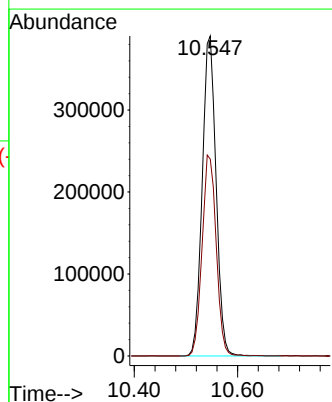
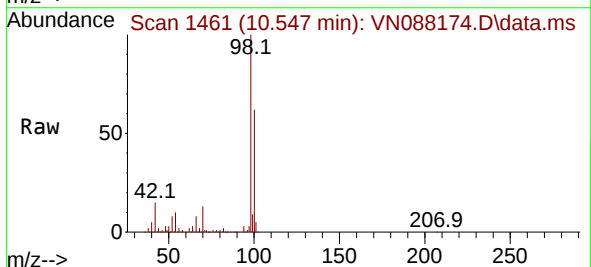
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

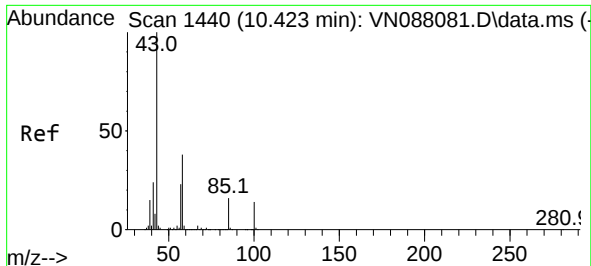
Tgt Ion: 83	Resp:	2373
Ion	Ratio	Lower Upper
83	100	
55	87.7	64.6 96.8
98	34.8	38.4 57.6#



#50
Toluene-d8
Concen: 49.689 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion: 98	Resp:	724144
Ion	Ratio	Lower Upper
98	100	
100	64.0	52.8 79.2

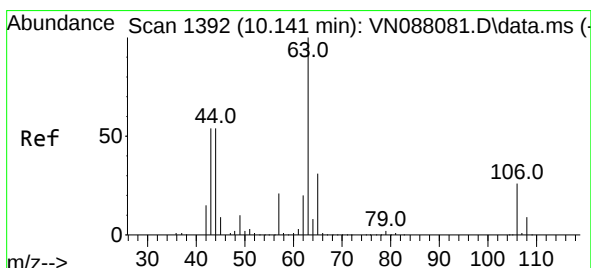
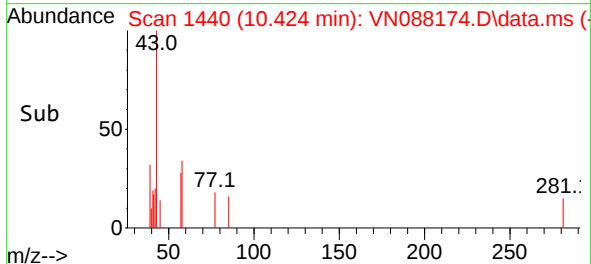
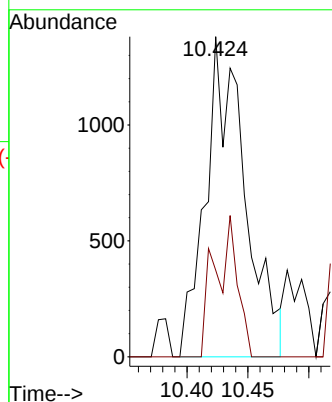
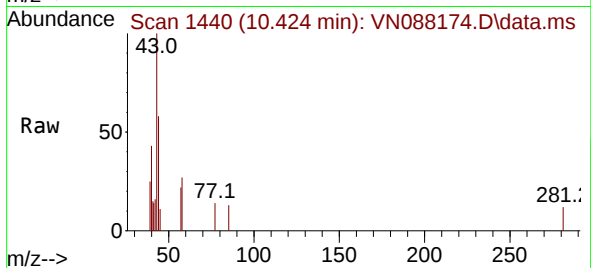




#51
4-Methyl-2-Pentanone
Concen: 0.482 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

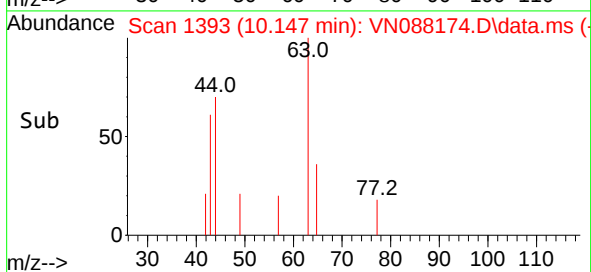
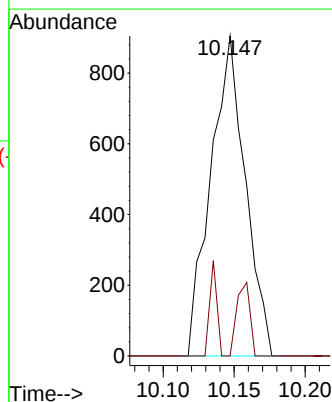
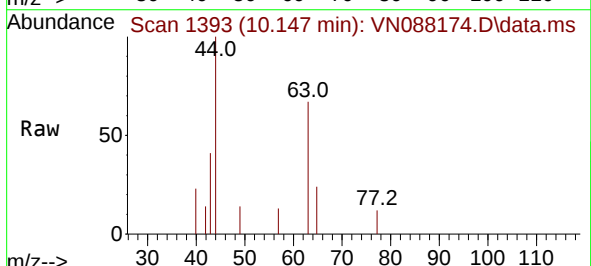
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

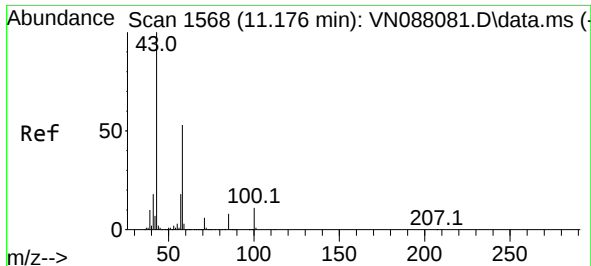
Tgt Ion: 43 Resp: 3120
Ion Ratio Lower Upper
43 100
58 12.6 29.6 44.4#



#58
2-Chloroethyl Vinyl ether
Concen: 0.473 ug/l
RT: 10.147 min Scan# 1393
Delta R.T. 0.006 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion: 63 Resp: 1533
Ion Ratio Lower Upper
63 100
106 8.7 21.1 31.7#

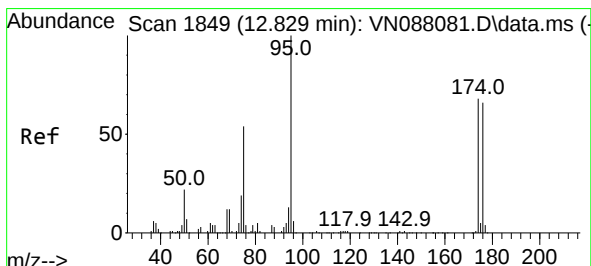
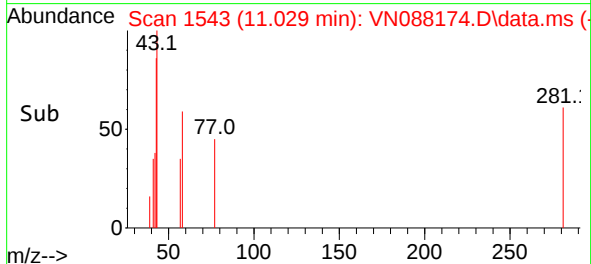
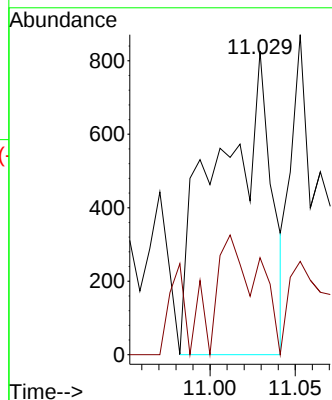
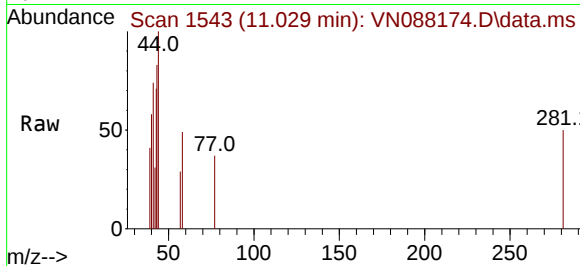




#59
2-Hexanone
Concen: 0.426 ug/l
RT: 11.029 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

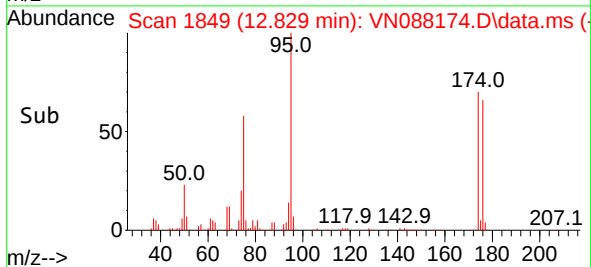
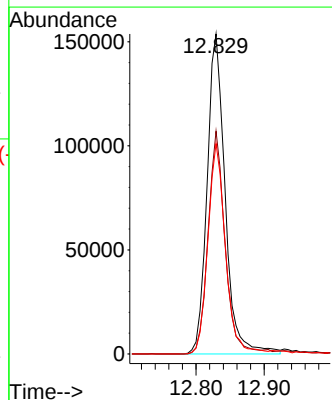
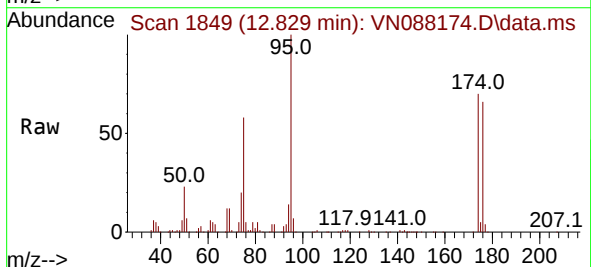
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

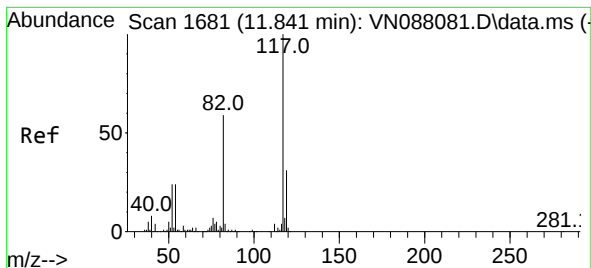
Tgt Ion: 43 Resp: 1830
Ion Ratio Lower Upper
43 100
58 32.0 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 55.038 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion: 95 Resp: 283275
Ion Ratio Lower Upper
95 100
174 65.9 0.0 138.4
176 64.1 0.0 132.6

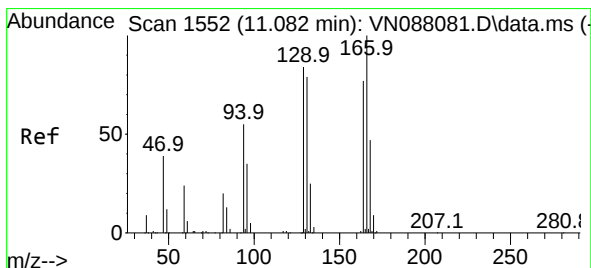
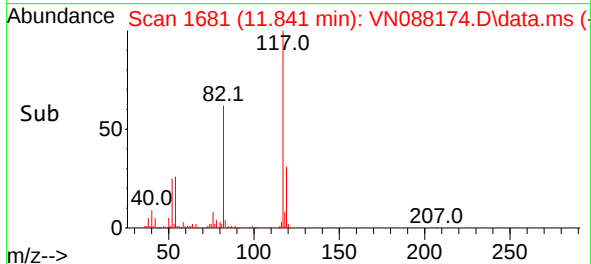
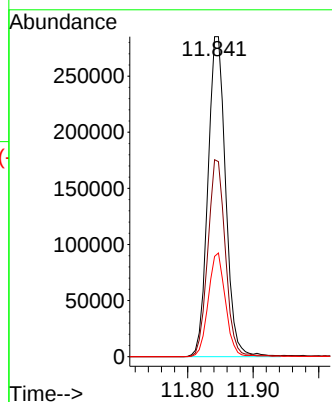
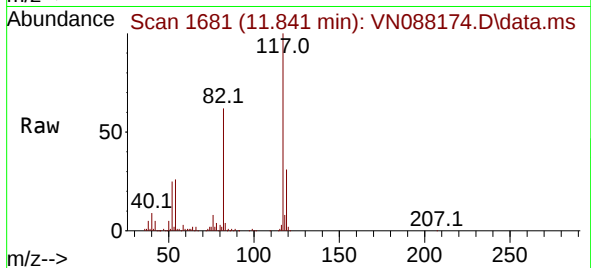




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

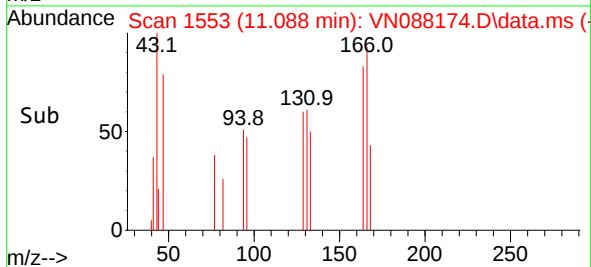
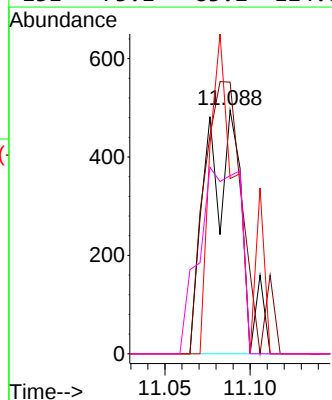
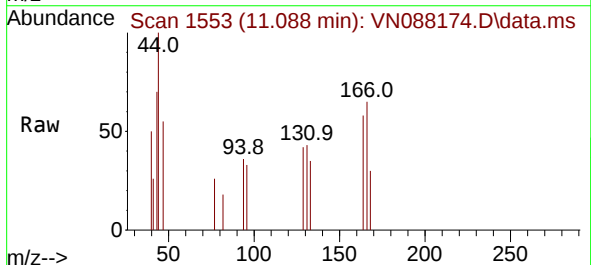
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

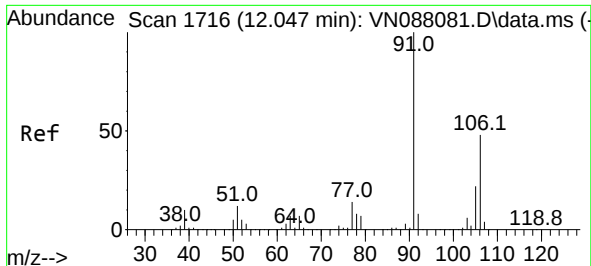
Tgt Ion:117 Resp: 537203
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 31.4 24.3 36.5



#64
Tetrachloroethene
Concen: 0.202 ug/l
RT: 11.088 min Scan# 1553
Delta R.T. 0.006 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion:164 Resp: 717
Ion Ratio Lower Upper
164 100
166 111.5 97.7 146.5
129 71.9 85.9 128.9#
131 73.1 83.2 124.8#

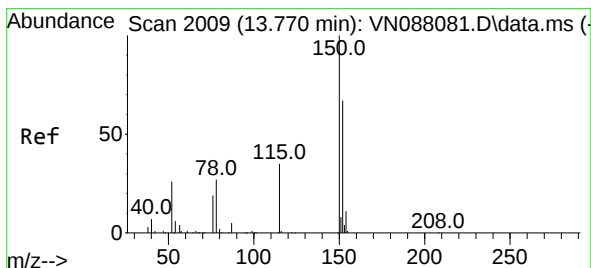
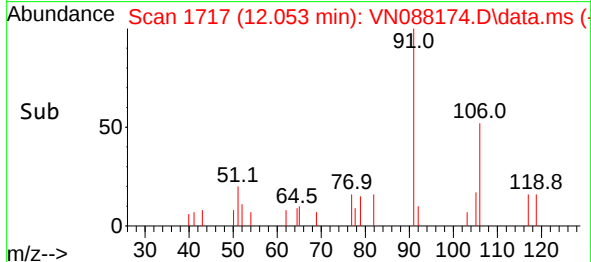
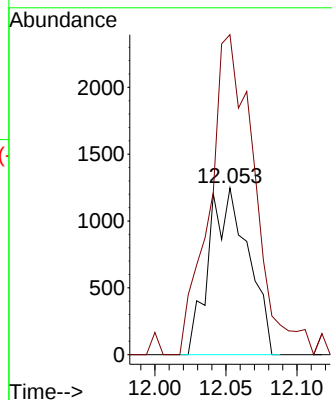
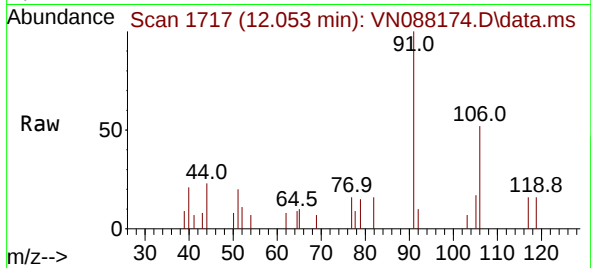




#68
m/p-Xylenes
Concen: 0.300 ug/l
RT: 12.053 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

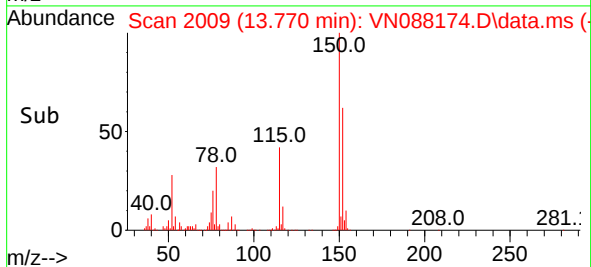
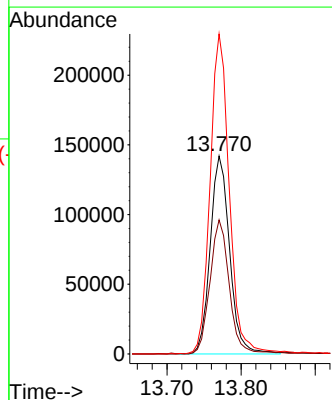
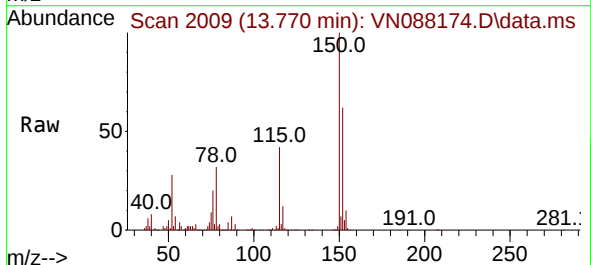
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

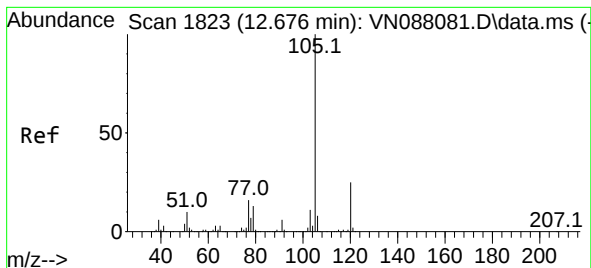
Tgt Ion:106 Resp: 2409
Ion Ratio Lower Upper
106 100
91 220.1 169.3 253.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion:152 Resp: 258761
Ion Ratio Lower Upper
152 100
115 67.4 32.3 96.8
150 160.0 0.0 351.0





#73

Isopropylbenzene

Concen: 0.243 ug/l

RT: 12.670 min Scan# 1822

Delta R.T. -0.000 min

Lab File: VN088174.D

Acq: 31 Oct 2025 09:53

Instrument :

MSVOA_N

ClientSampleId :

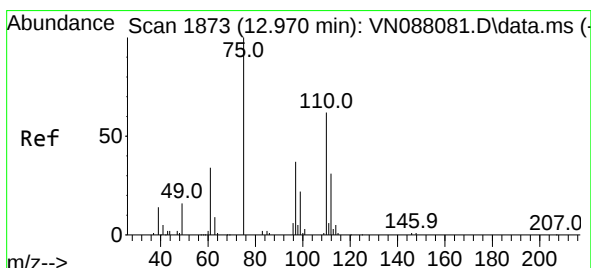
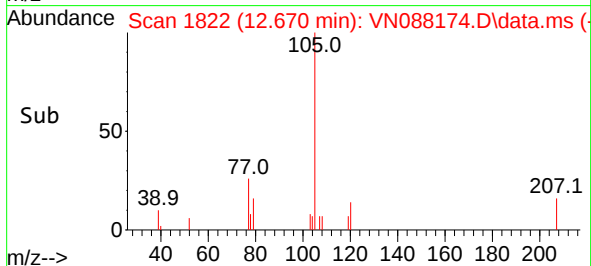
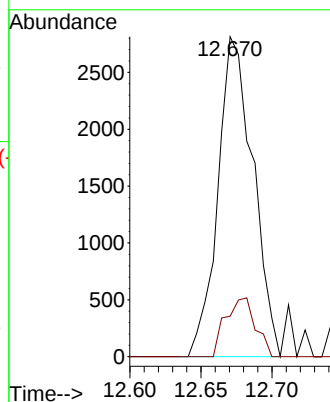
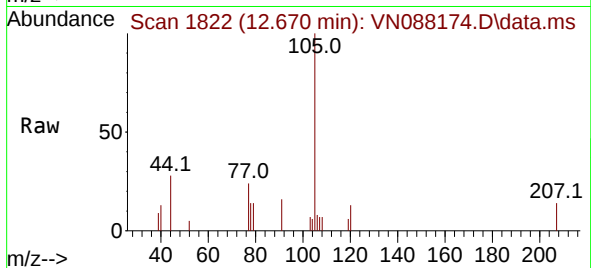
VN1031MBL01

Tgt Ion:105 Resp: 4841

Ion Ratio Lower Upper

105 100

120 15.7 12.8 38.3



#76

1,2,3-Trichloropropane

Concen: 27.296 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN088174.D

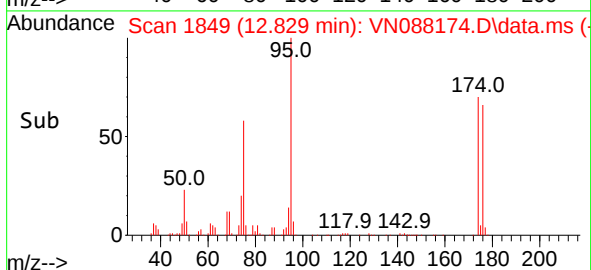
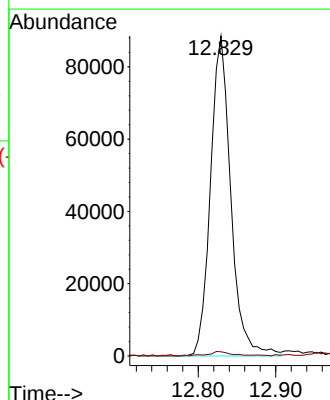
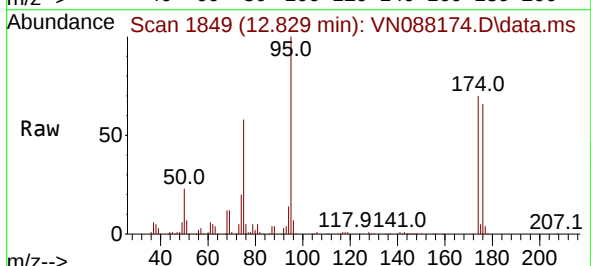
Acq: 31 Oct 2025 09:53

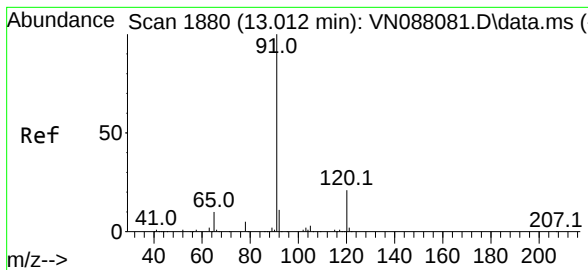
Tgt Ion: 75 Resp: 161485

Ion Ratio Lower Upper

75 100

77 1.6 89.1 267.4#





#78

n-propylbenzene

Concen: 0.269 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. 0.017 min

Lab File: VN088174.D

Acq: 31 Oct 2025 09:53

Instrument :

MSVOA_N

ClientSampleId :

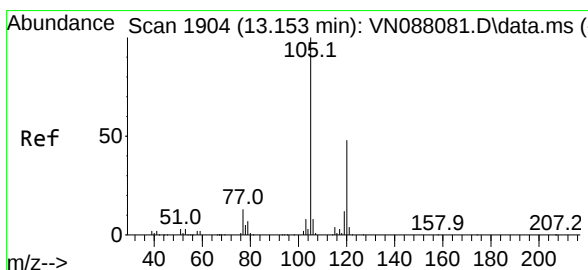
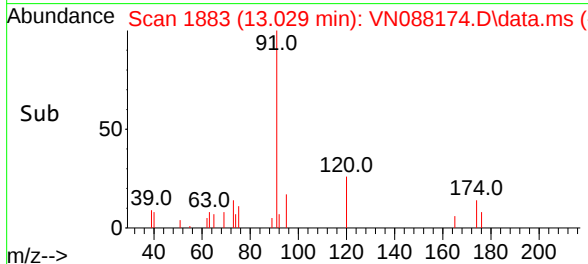
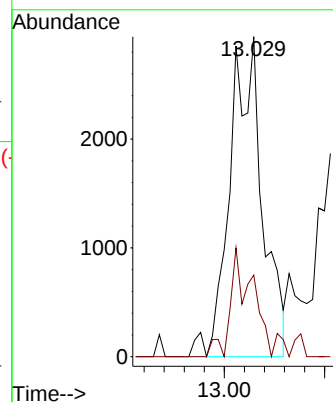
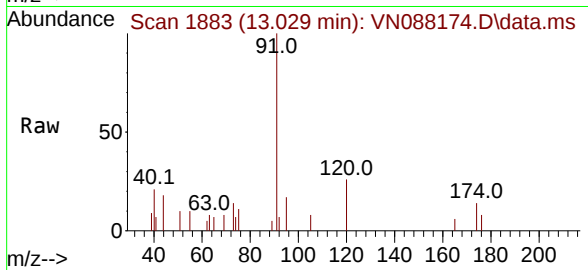
VN1031MBL01

Tgt Ion: 91 Resp: 6563

Ion Ratio Lower Upper

91 100

120 23.4 10.7 32.1



#80

1,3,5-Trimethylbenzene

Concen: 0.257 ug/l

RT: 13.147 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VN088174.D

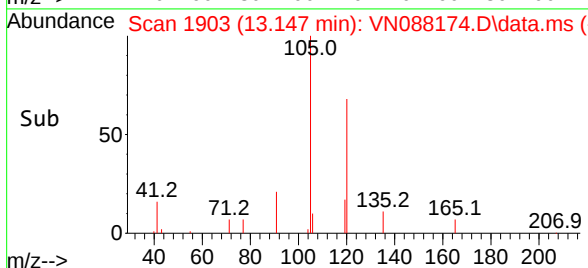
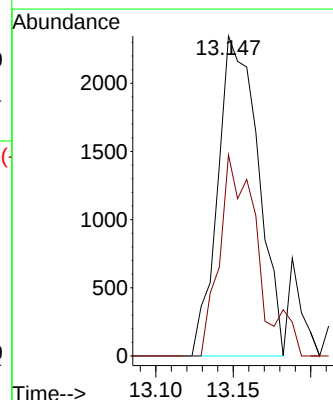
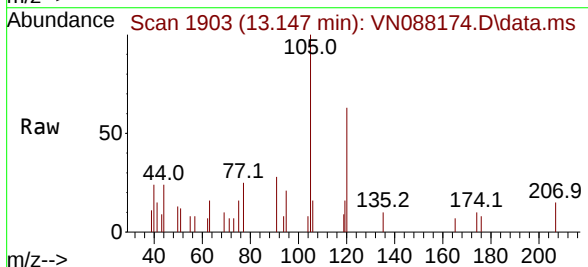
Acq: 31 Oct 2025 09:53

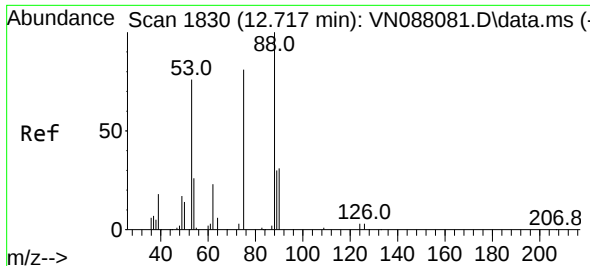
Tgt Ion:105 Resp: 4253

Ion Ratio Lower Upper

105 100

120 59.1 23.2 69.6

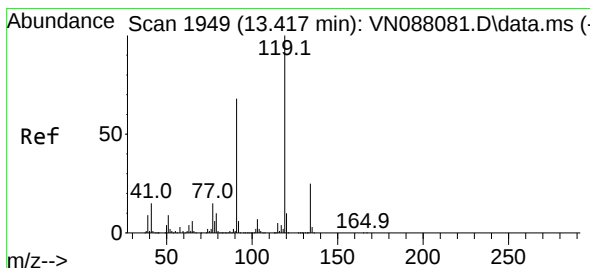
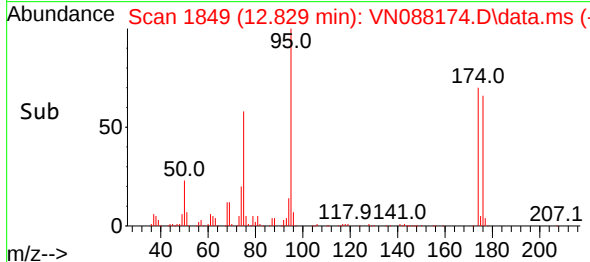
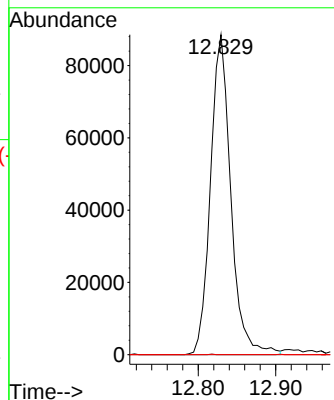
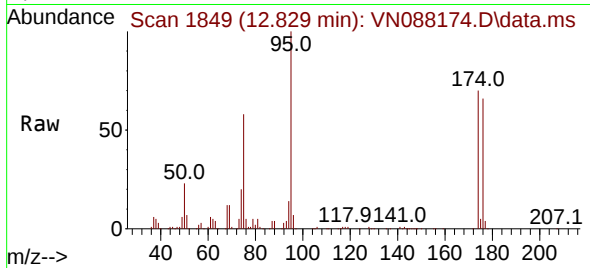




#81
trans-1,4-Dichloro-2-butene
Concen: 76.143 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

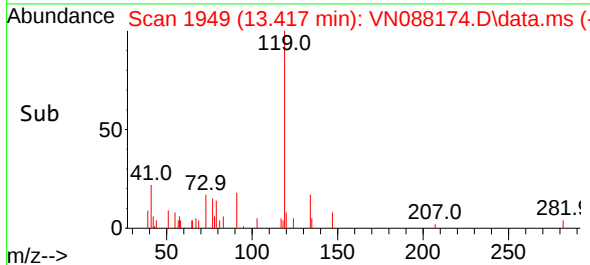
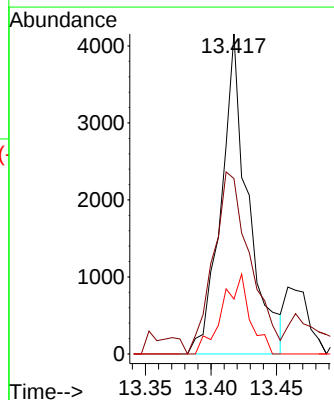
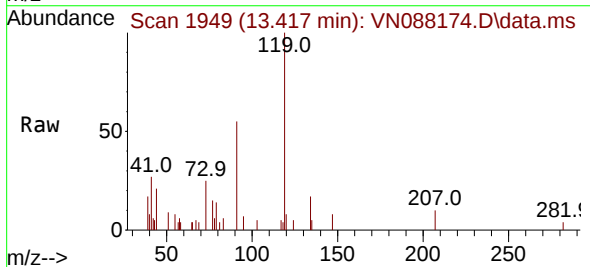
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

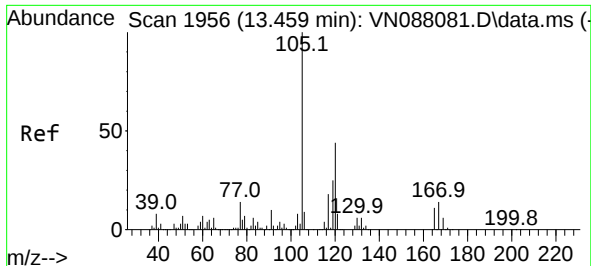
Tgt Ion: 75 Resp: 161485
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 35.6 53.4#



#83
tert-Butylbenzene
Concen: 0.402 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion: 119 Resp: 5953
Ion Ratio Lower Upper
119 100
91 77.4 35.0 105.0
134 25.6 12.6 37.8

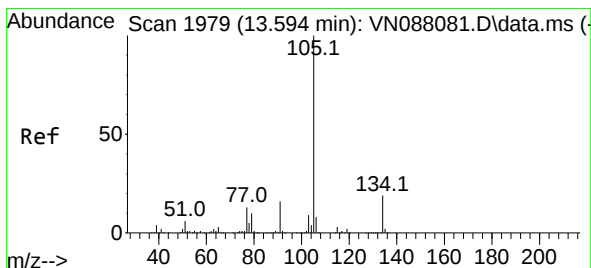
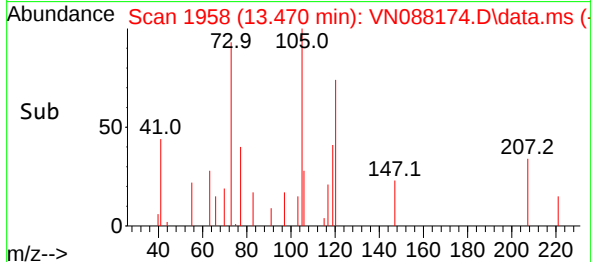
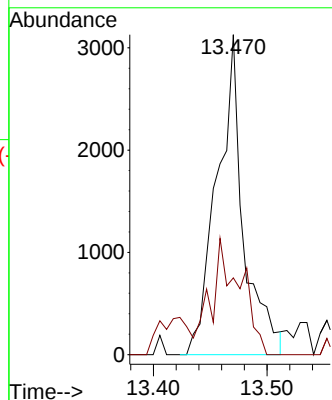
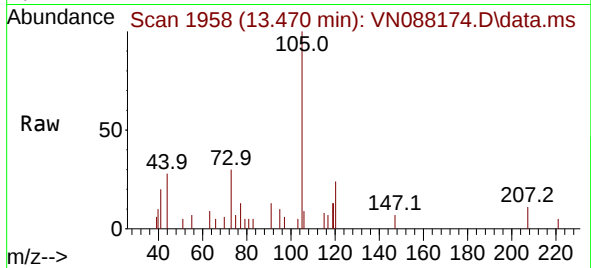




#84
1,2,4-Trimethylbenzene
Concen: 0.305 ug/l
RT: 13.470 min Scan# 1958
Delta R.T. 0.012 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

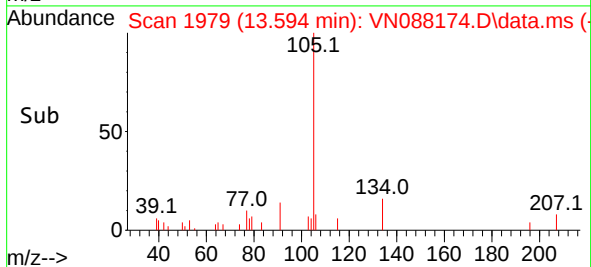
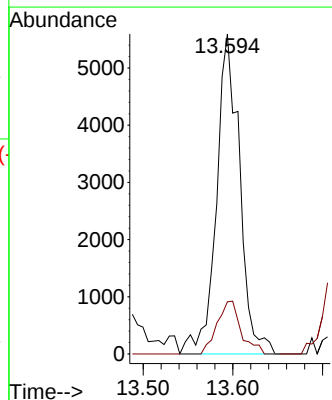
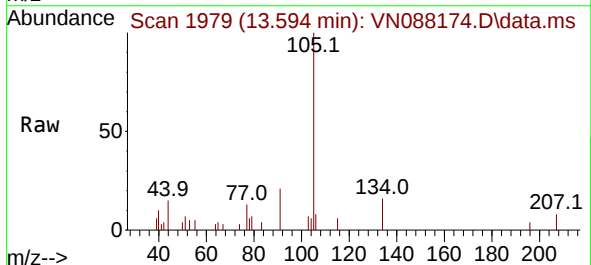
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

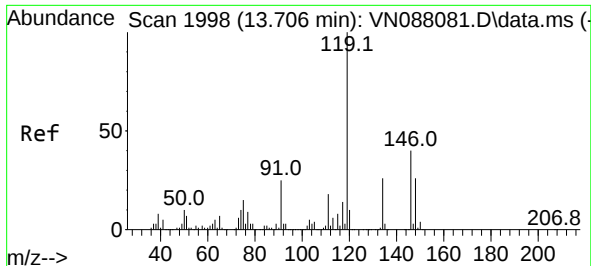
Tgt Ion:105 Resp: 5064
Ion Ratio Lower Upper
105 100
120 40.5 22.0 66.0



#85
sec-Butylbenzene
Concen: 0.462 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion:105 Resp: 10053
Ion Ratio Lower Upper
105 100
134 16.9 9.6 28.6

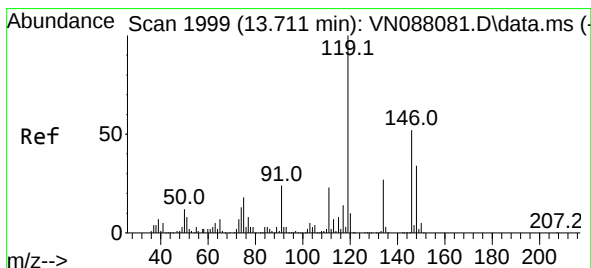
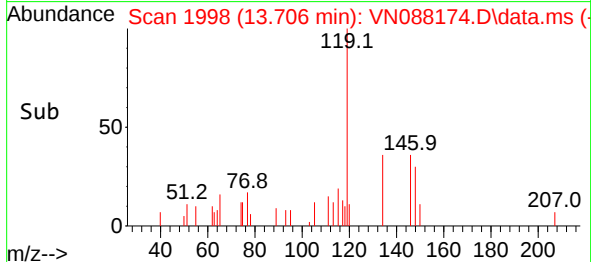
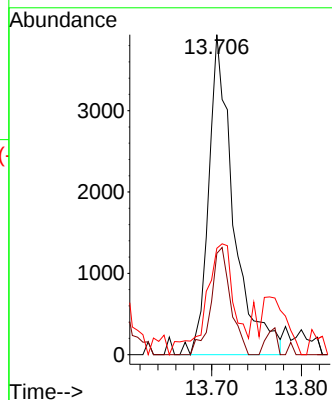
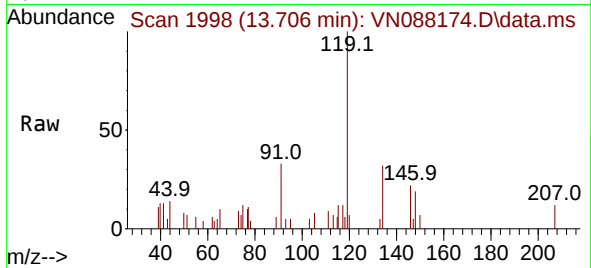




#86
 p-Isopropyltoluene
 Concen: 0.435 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN088174.D
 Acq: 31 Oct 2025 09:53

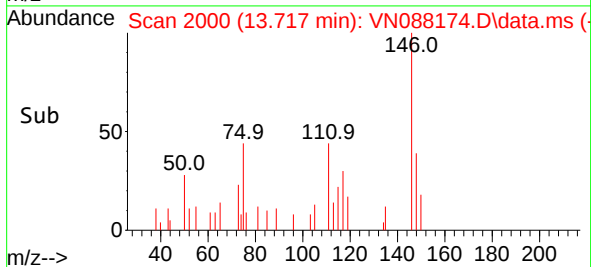
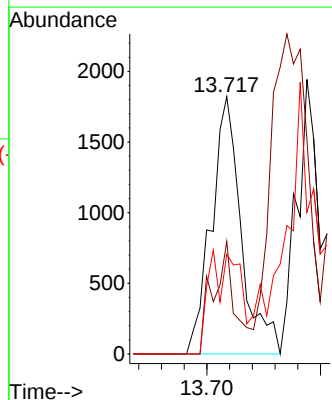
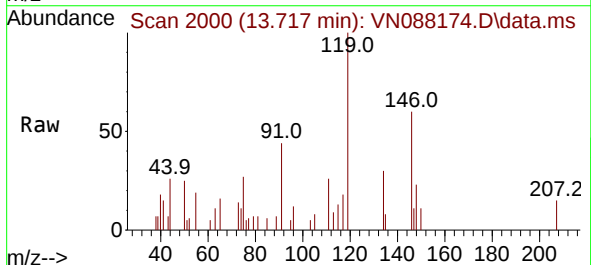
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031MBL01

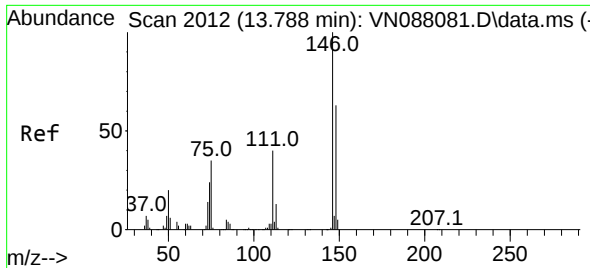
Tgt Ion:119 Resp: 7584
 Ion Ratio Lower Upper
 119 100
 134 26.8 12.7 38.0
 91 39.3 12.5 37.5#



#87
 1,3-Dichlorobenzene
 Concen: 0.387 ug/l
 RT: 13.717 min Scan# 2000
 Delta R.T. 0.006 min
 Lab File: VN088174.D
 Acq: 31 Oct 2025 09:53

Tgt Ion:146 Resp: 3325
 Ion Ratio Lower Upper
 146 100
 111 32.8 22.1 66.5
 148 26.1 32.0 96.2#

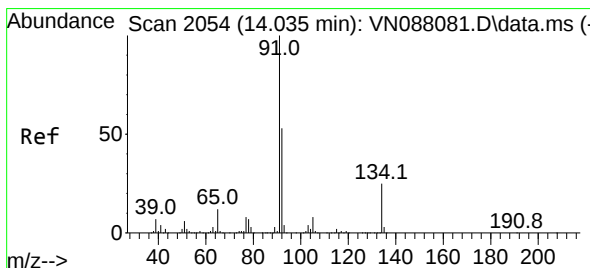
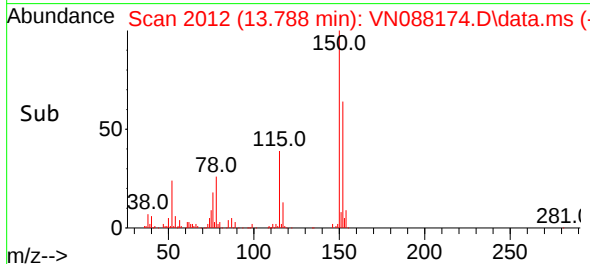
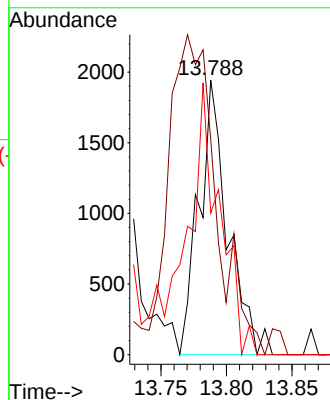
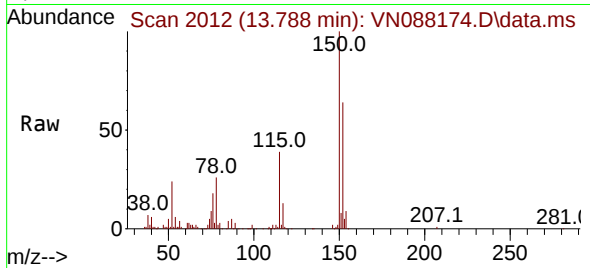




#88
 1,4-Dichlorobenzene
 Concen: 0.322 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN088174.D
 Acq: 31 Oct 2025 09:53

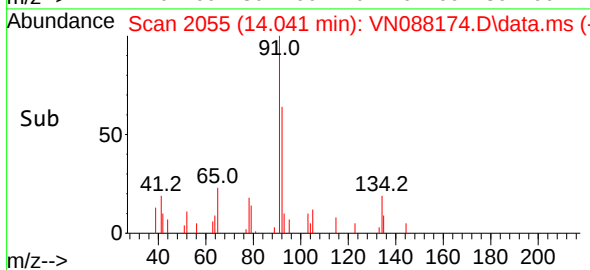
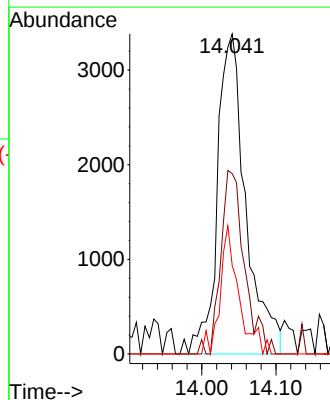
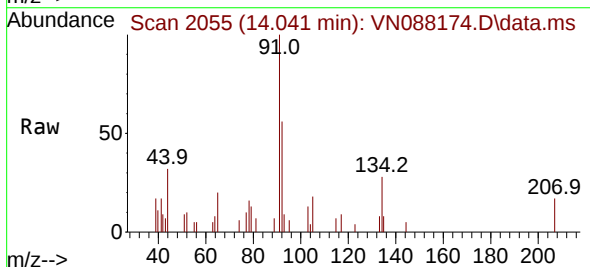
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031MBL01

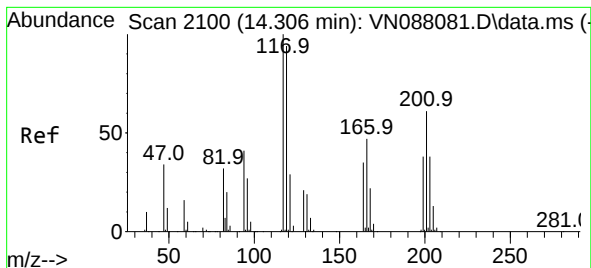
Tgt Ion:146 Resp: 2972
 Ion Ratio Lower Upper
 146 100
 111 188.2 21.0 63.0#
 148 113.0 32.0 96.0#



#89
 n-Butylbenzene
 Concen: 0.523 ug/l
 RT: 14.041 min Scan# 2055
 Delta R.T. 0.012 min
 Lab File: VN088174.D
 Acq: 31 Oct 2025 09:53

Tgt Ion: 91 Resp: 9044
 Ion Ratio Lower Upper
 91 100
 92 47.5 25.9 77.8
 134 26.1 11.7 35.0





#90

Hexachloroethane

Concen: 0.525 ug/l

RT: 14.300 min Scan# 2100

Delta R.T. -0.012 min

Lab File: VN088174.D

Acq: 31 Oct 2025 09:53

Instrument :

MSVOA_N

ClientSampleId :

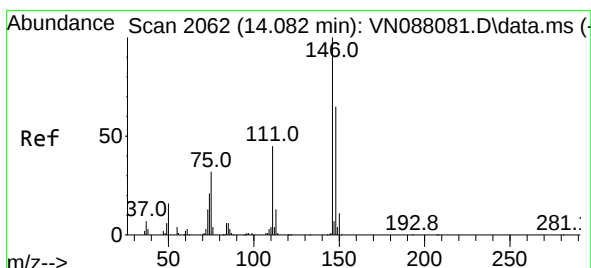
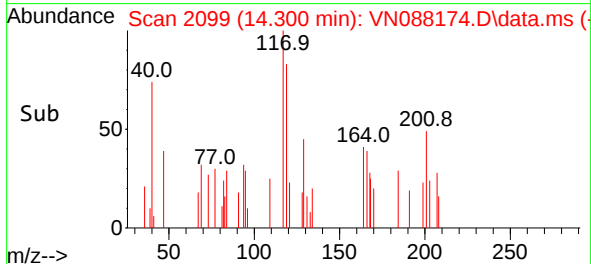
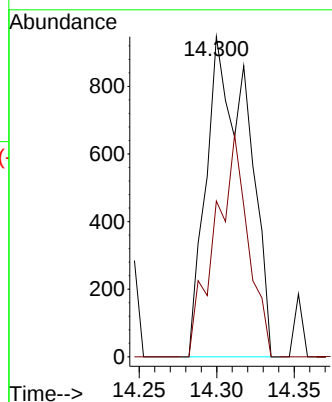
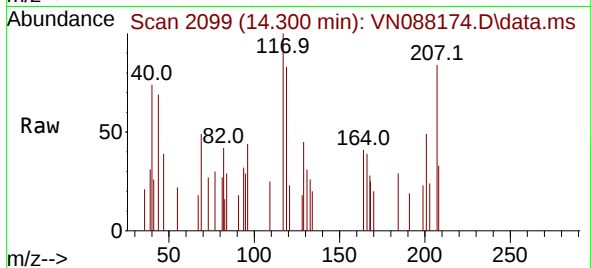
VN1031MBL01

Tgt Ion:117 Resp: 1773

Ion Ratio Lower Upper

117 100

201 55.2 29.1 87.4



#91

1,2-Dichlorobenzene

Concen: 0.271 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. 0.018 min

Lab File: VN088174.D

Acq: 31 Oct 2025 09:53

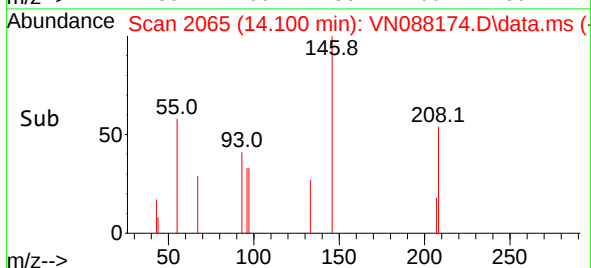
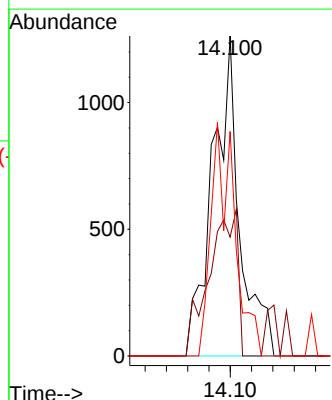
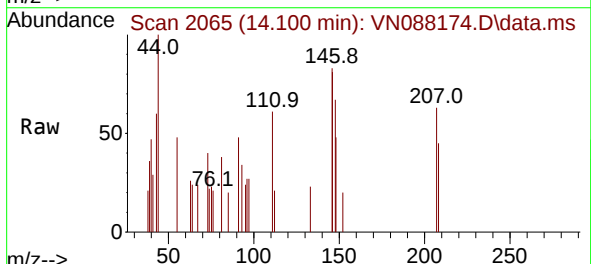
Tgt Ion:146 Resp: 2243

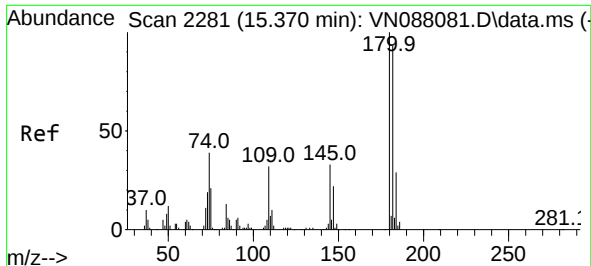
Ion Ratio Lower Upper

146 100

111 47.8 22.6 67.8

148 62.7 31.9 95.9

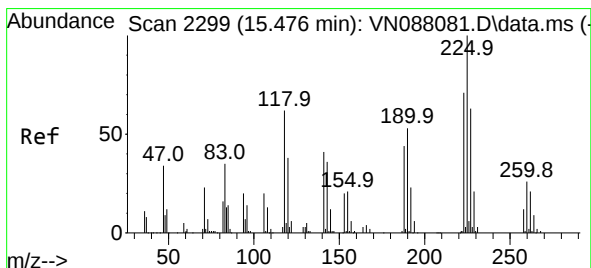
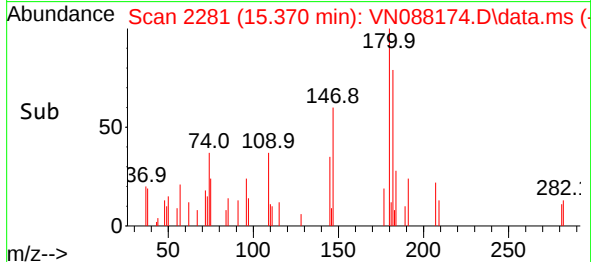
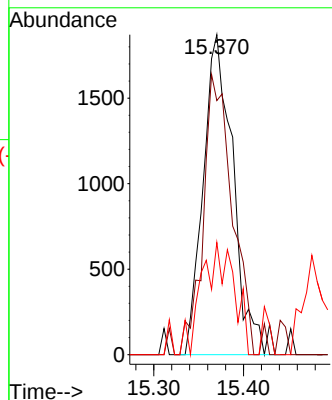
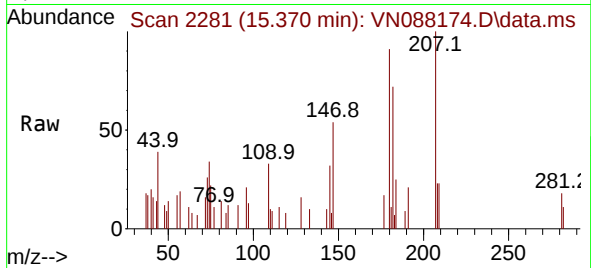




#93
1,2,4-Trichlorobenzene
Concen: 0.863 ug/l
RT: 15.370 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

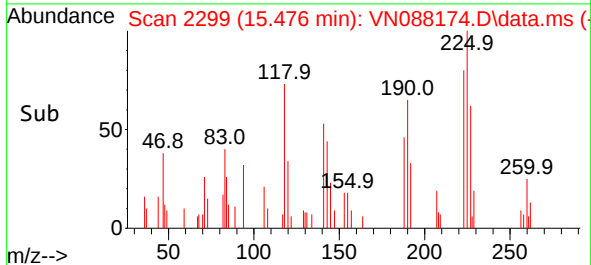
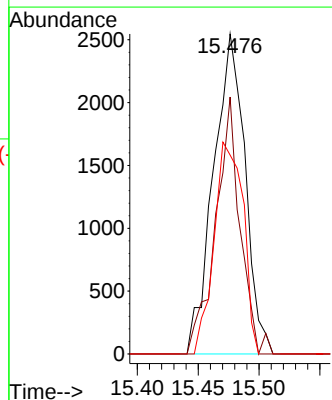
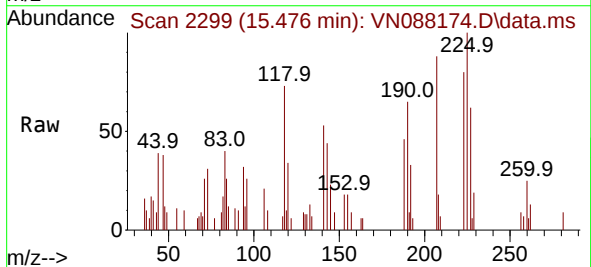
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

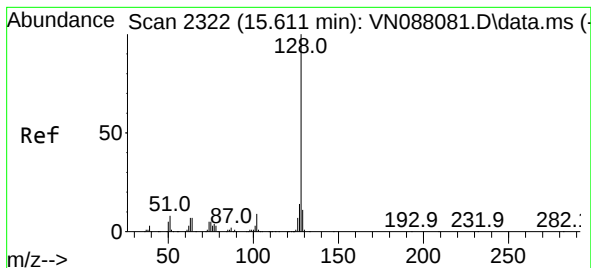
Tgt Ion:180 Resp: 4329
Ion Ratio Lower Upper
180 100
182 84.8 47.6 142.9
145 15.5 16.5 49.5#



#94
Hexachlorobutadiene
Concen: 2.461 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. -0.000 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion:225 Resp: 4596
Ion Ratio Lower Upper
225 100
223 62.4 32.0 96.2
227 61.1 32.1 96.5





#95

Naphthalene

Concen: 0.646 ug/l

RT: 15.617 min Scan# 2110

Delta R.T. 0.006 min

Lab File: VN088174.D

Acq: 31 Oct 2025 09:53

Instrument :

MSVOA_N

ClientSampleId :

VN1031MBL01

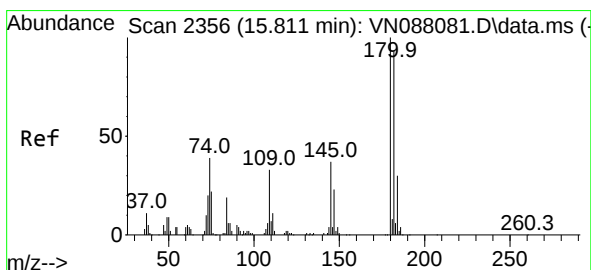
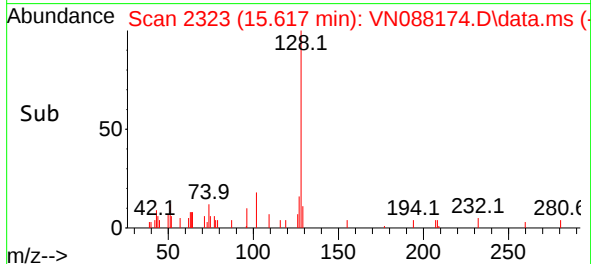
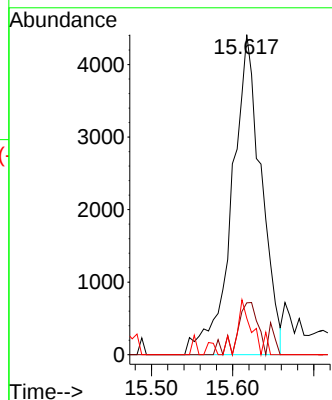
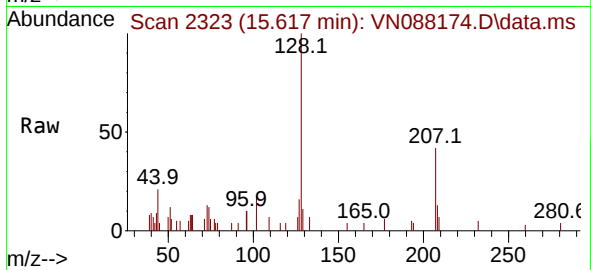
Tgt Ion:128 Resp: 11105

Ion Ratio Lower Upper

128 100

127 10.7 10.6 15.8

129 8.8 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 0.810 ug/l

RT: 15.811 min Scan# 2356

Delta R.T. -0.000 min

Lab File: VN088174.D

Acq: 31 Oct 2025 09:53

Tgt Ion:180 Resp: 3896

Ion Ratio Lower Upper

180 100

182 92.6 46.8 140.3

145 27.2 17.3 52.0

