

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
 Data File : VN086664.D
 Acq On : 16 May 2025 13:20
 Operator : JC\MD
 Sample : VN0516WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0516WBL01

Quant Time: May 16 23:03:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

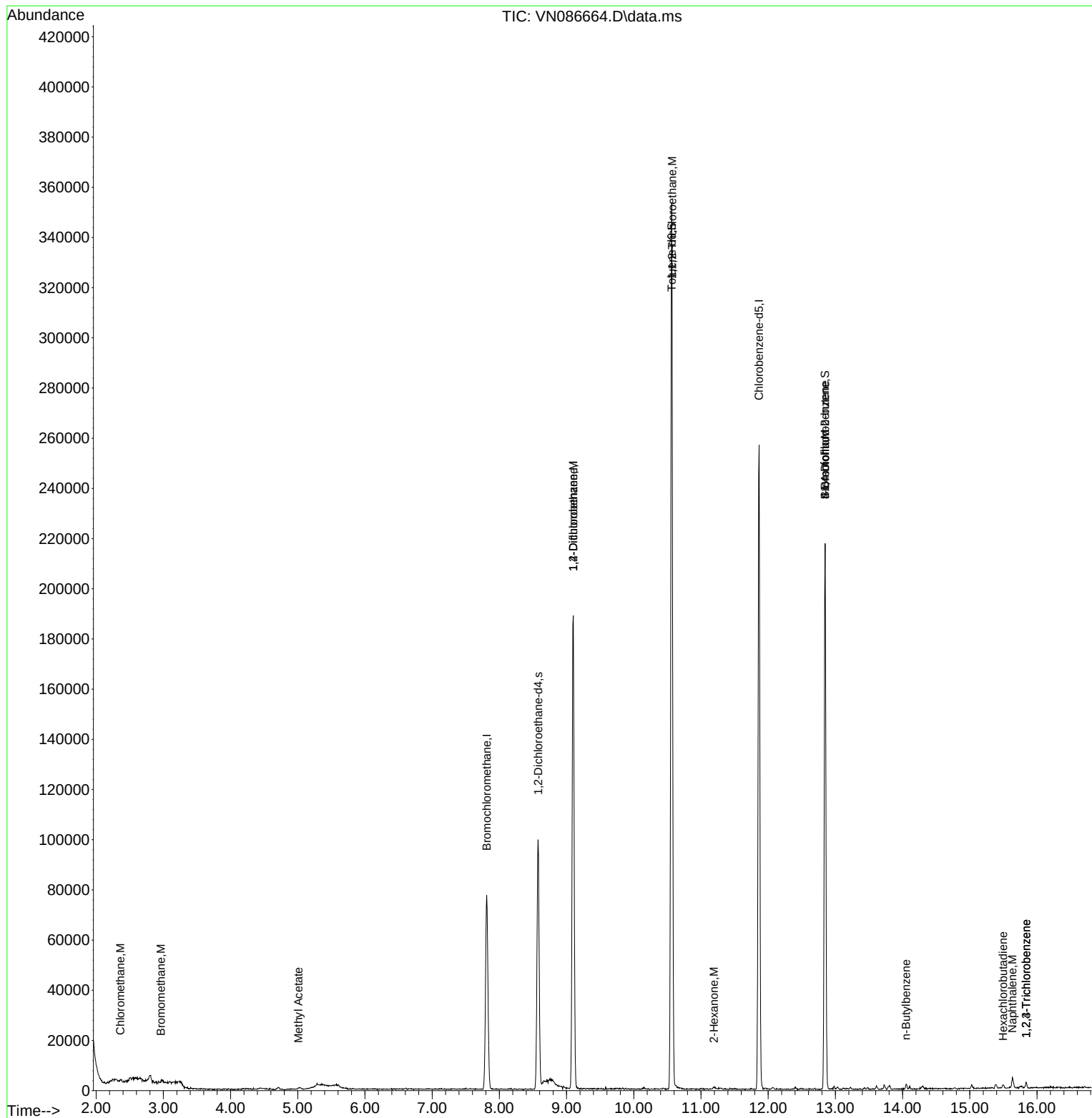
Internal Standards						
1) Bromochloromethane	7.812	128	29934	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	171805	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	155509	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	82632	28.632	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.433%		
60) 4-Bromofluorobenzene	12.847	95	81087	26.530	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	88.433%		
63) Toluene-d8	10.565	98	254603	29.760	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.200%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	925	0.315	ug/l #	76
5) Bromomethane	2.965	94	342	0.233	ug/l #	14
12) Methyl Acetate	5.012	43	744	0.251	ug/l #	49
36) 1,2-Dichloroethane	9.100	62	5383	1.721	ug/l #	74
50) 1,1,2-Trichloroethane	10.571	97	8427	3.791	ug/l #	1
56) Bromoform	12.847	173	359	0.222	ug/l #	1
59) 2-Hexanone	11.194	43	1038	0.468	ug/l #	61
77) t-1,4-Dichloro-2-butene	12.847	75	40485	31.982	ug/l #	13
85) n-Butylbenzene	14.053	91	1731	0.213	ug/l	76
89) 1,2,4-Trichlorobenzene	15.841	180	1029	0.502	ug/l #	88
90) Hexachlorobutadiene	15.494	225	565	0.685	ug/l	76
91) Naphthalene	15.635	128	4802	0.655	ug/l #	73
92) 1,2,3-Trichlorobenzene	15.841	180	1029	0.502	ug/l	88

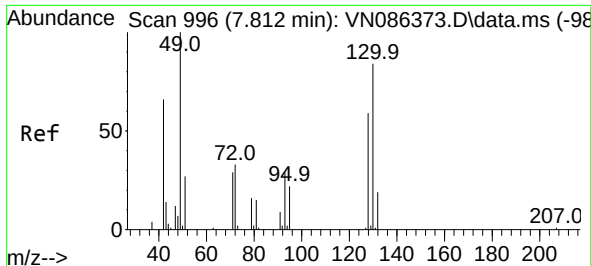
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086664.D
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Sample : VN0516WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

Quant Time: May 16 23:03:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

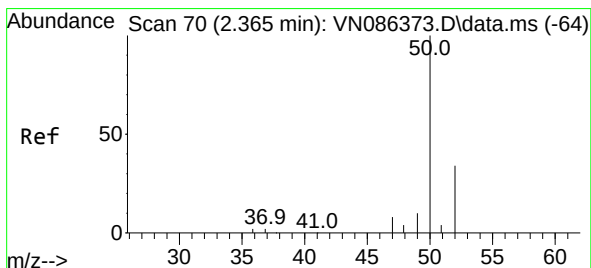
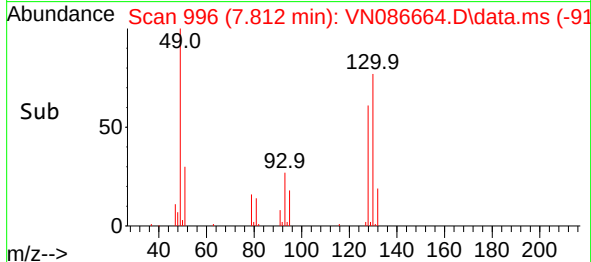
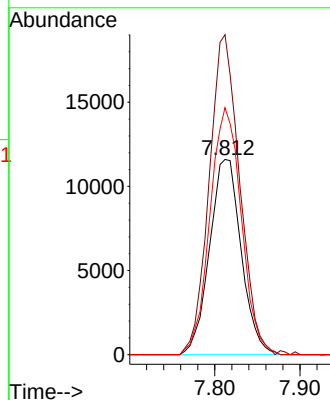
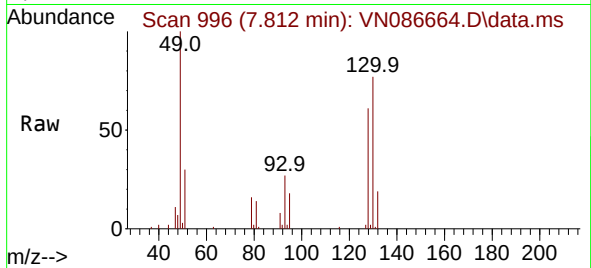




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

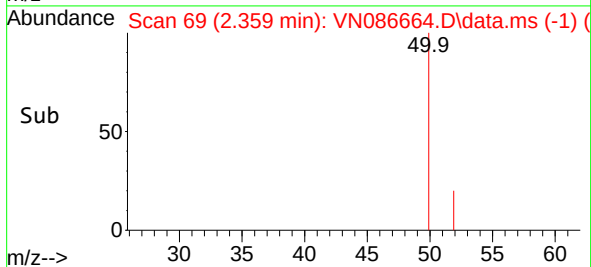
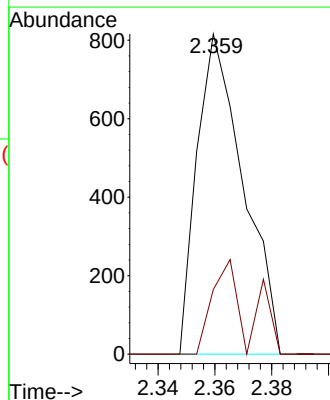
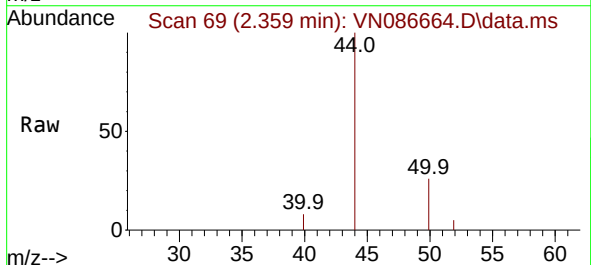
Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

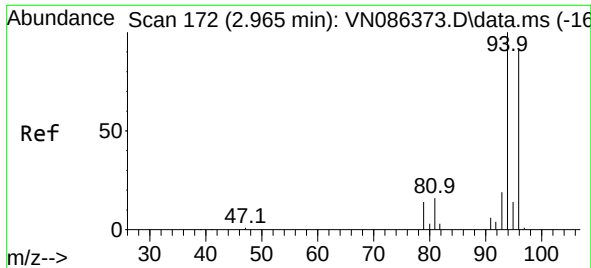
Tgt Ion:	128	Resp:	29934
Ion	Ratio	Lower	Upper
128	100		
49	157.6	0.0	433.8
130	125.7	0.0	325.0



#3
Chloromethane
Concen: 0.315 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

Tgt Ion:	50	Resp:	925
Ion	Ratio	Lower	Upper
50	100		
52	20.2	27.3	40.9#

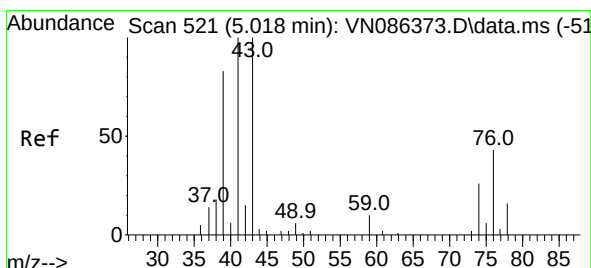
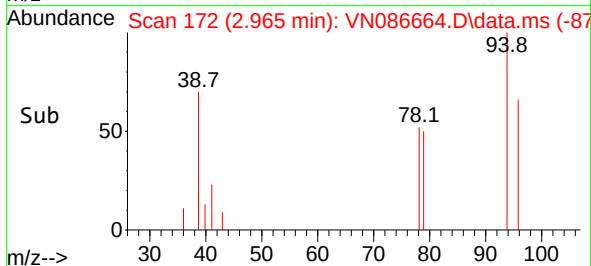
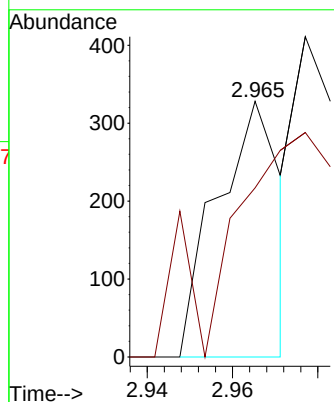
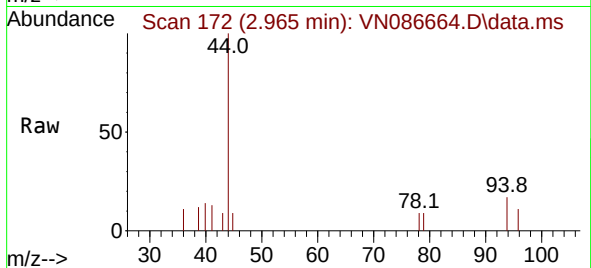




#5
Bromomethane
Concen: 0.233 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

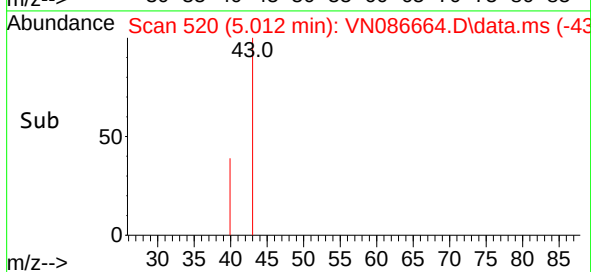
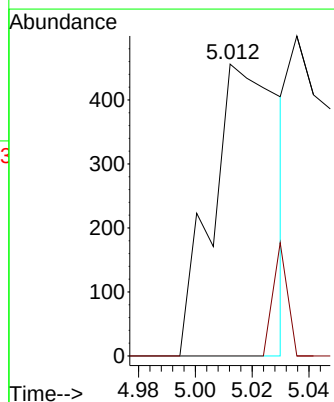
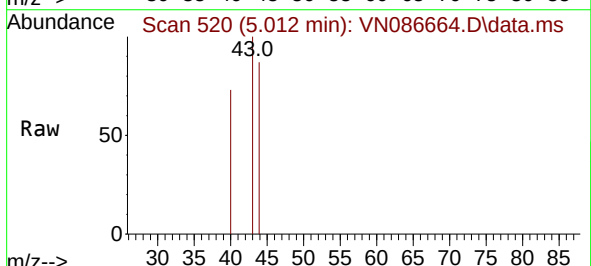
Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

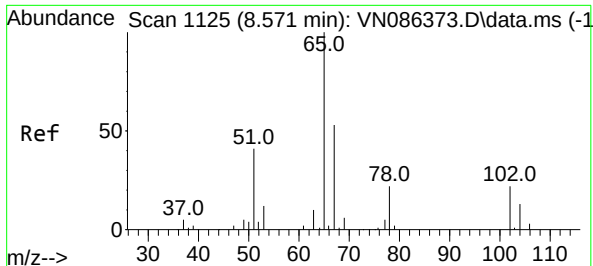
Tgt Ion: 94 Resp: 342
Ion Ratio Lower Upper
94 100
96 9.1 72.4 108.6#



#12
Methyl Acetate
Concen: 0.251 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

Tgt Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#





#27

1,2-Dichloroethane-d4

Concen: 28.632 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN086664.D

Acq: 16 May 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

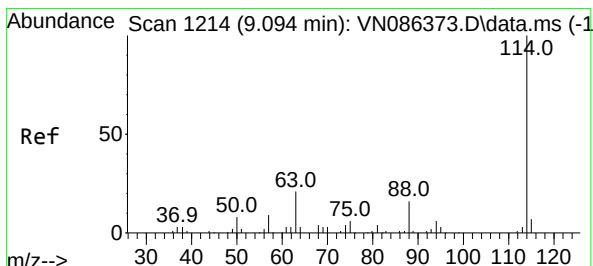
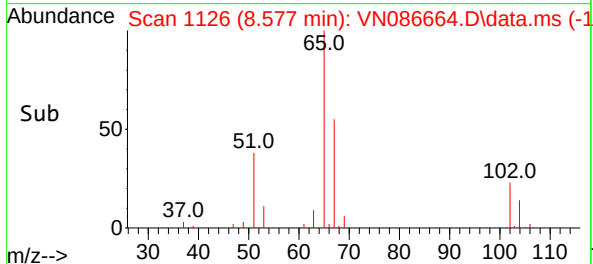
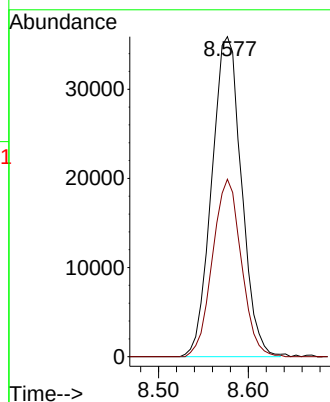
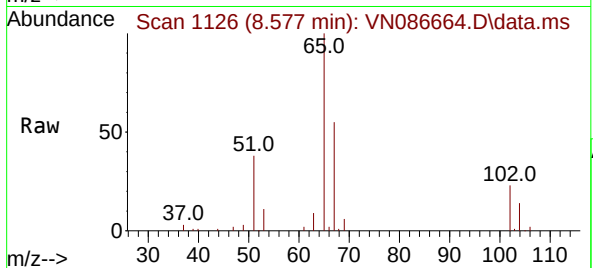
VN0516WBL01

Tgt Ion: 65 Resp: 82632

Ion Ratio Lower Upper

65 100

67 53.7 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN086664.D

Acq: 16 May 2025 13:20

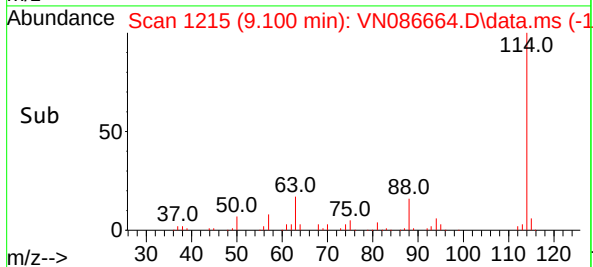
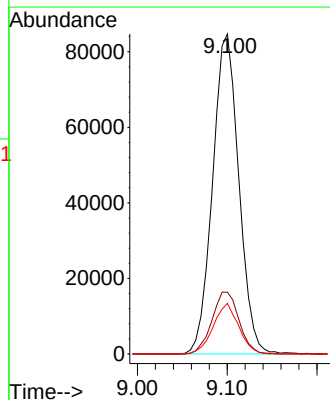
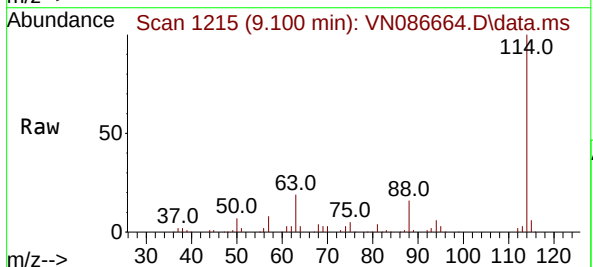
Tgt Ion: 114 Resp: 171805

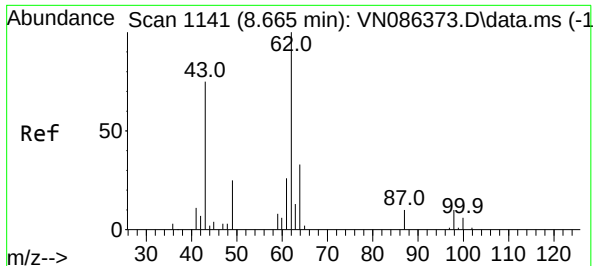
Ion Ratio Lower Upper

114 100

63 20.0 16.7 25.1

88 15.3 12.6 19.0





#36

1,2-Dichloroethane

Concen: 1.721 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.435 min

Lab File: VN086664.D

Acq: 16 May 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

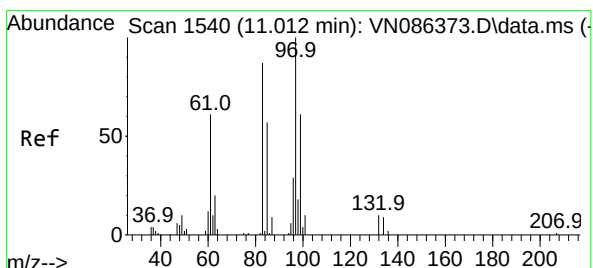
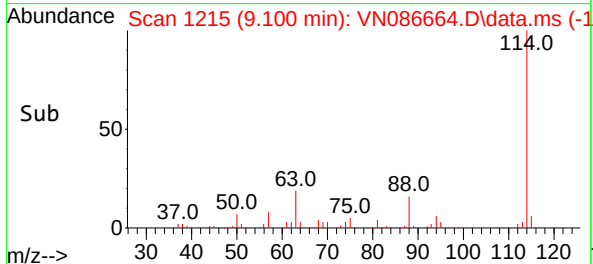
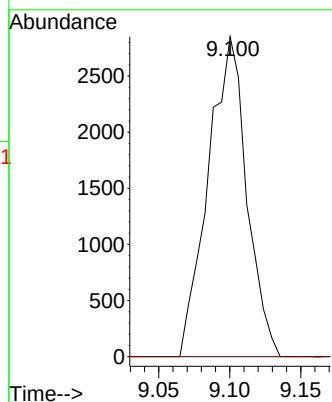
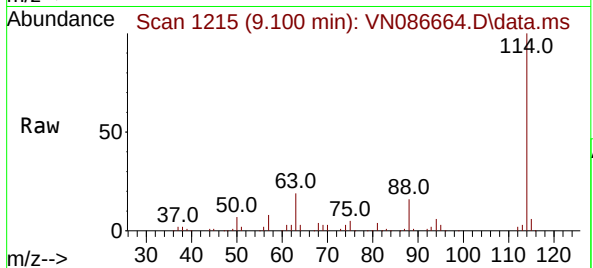
VN0516WBL01

Tgt Ion: 62 Resp: 5383

Ion Ratio Lower Upper

62 100

98 0.0 7.6 11.4#



#50

1,1,2-Trichloroethane

Concen: 3.791 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.441 min

Lab File: VN086664.D

Acq: 16 May 2025 13:20

Tgt Ion: 97 Resp: 8427

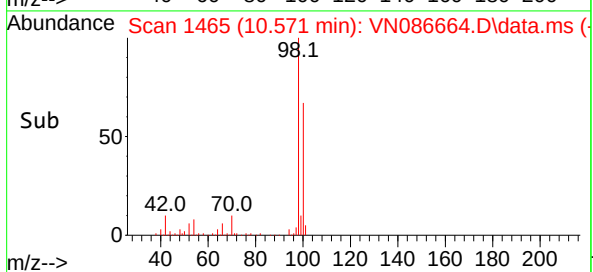
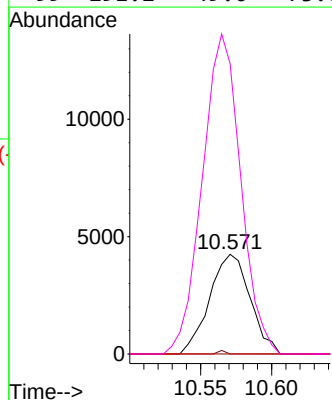
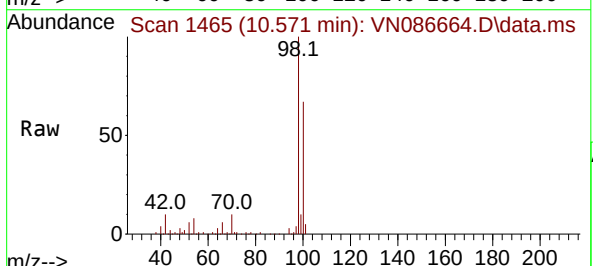
Ion Ratio Lower Upper

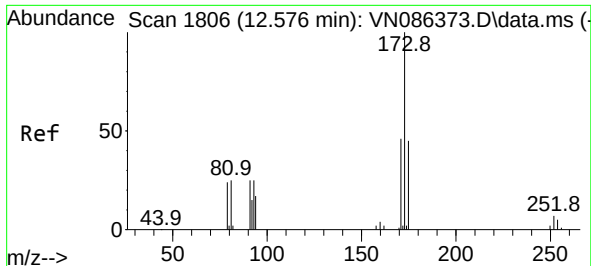
97 100

83 0.0 69.3 103.9#

85 0.0 45.5 68.3#

99 291.2 49.0 73.6#

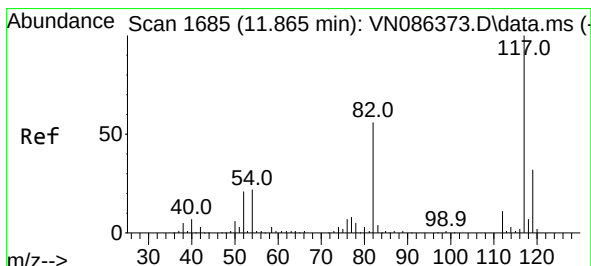
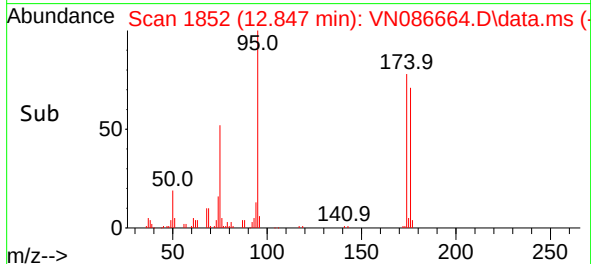
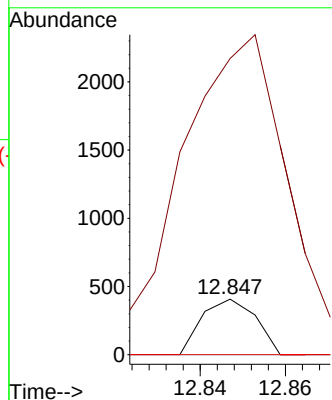
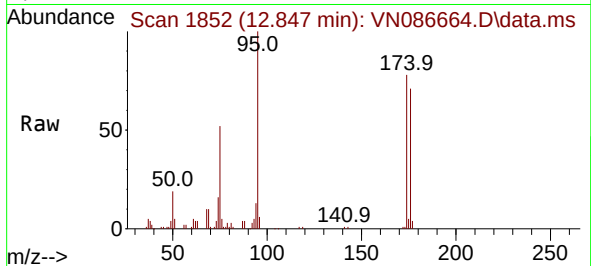




#56
Bromoform
Concen: 0.222 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

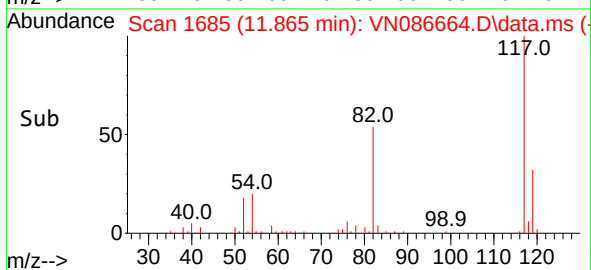
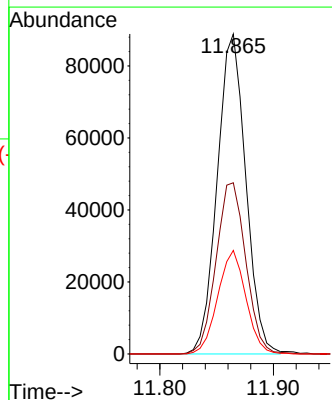
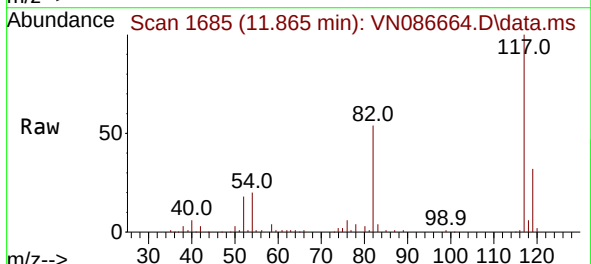
Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

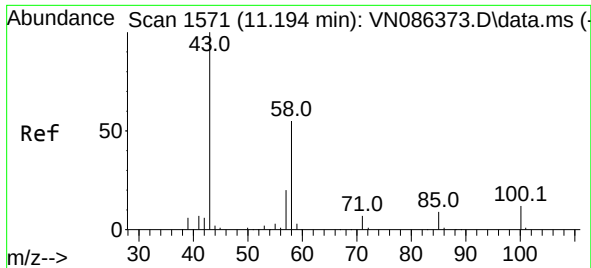
Tgt Ion:173 Resp: 359
Ion Ratio Lower Upper
173 100
175 1134.8 39.0 58.6#
254 0.0 3.8 5.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

Tgt Ion:117 Resp: 155509
Ion Ratio Lower Upper
117 100
82 55.6 45.5 68.3
119 31.9 25.9 38.9

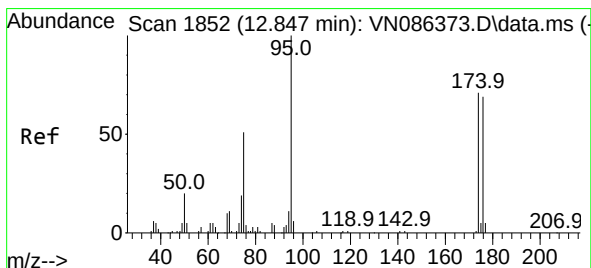
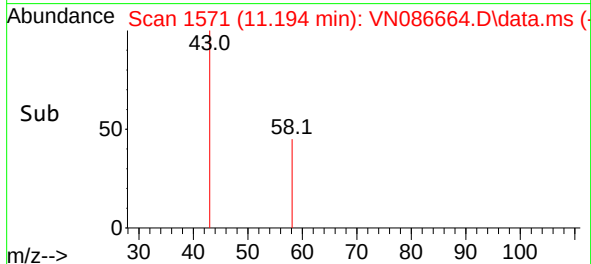
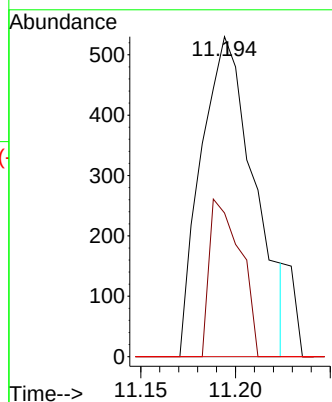
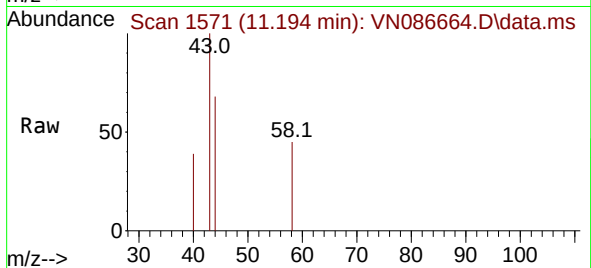




#59
2-Hexanone
Concen: 0.468 ug/l
RT: 11.194 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

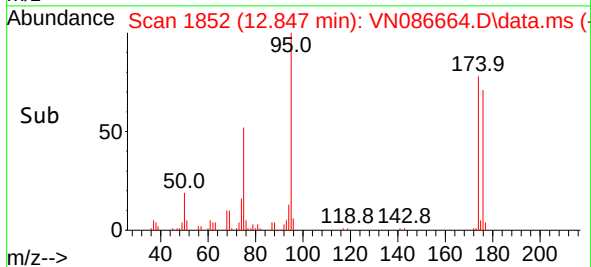
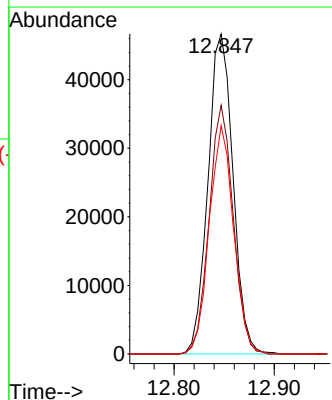
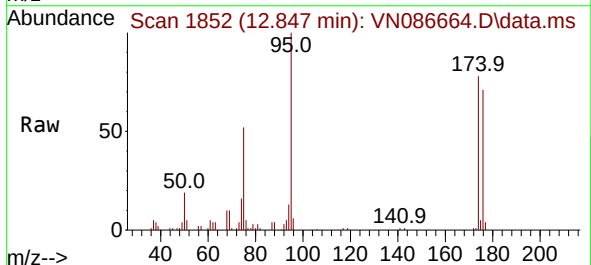
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ClientSampleId :
VN0516WBL01

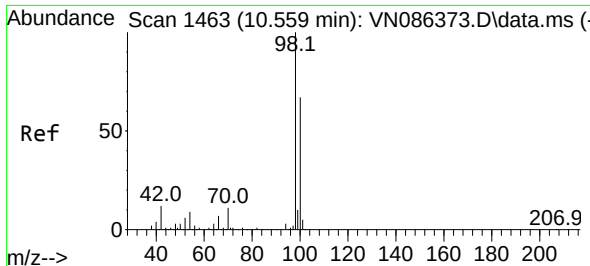
Tgt Ion: 43 Resp: 1038
Ion Ratio Lower Upper
43 100
58 28.7 45.0 67.6#
57 0.0 15.5 23.3#



#60
4-Bromofluorobenzene
Concen: 26.530 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

Tgt Ion: 95 Resp: 81087
Ion Ratio Lower Upper
95 100
174 74.8 56.6 84.8
176 69.5 53.3 79.9

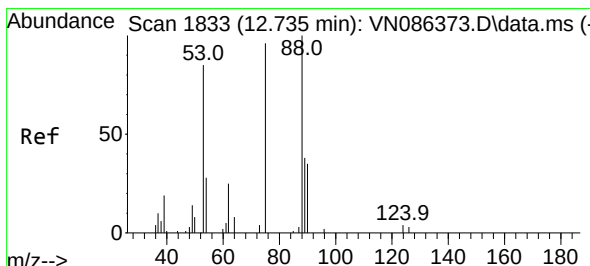
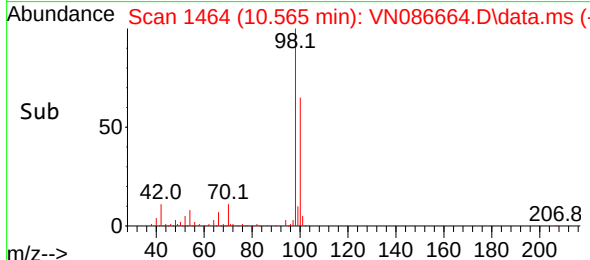
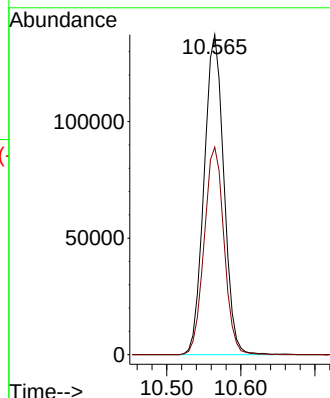
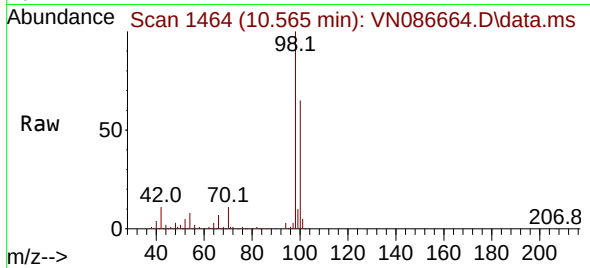




#63
Toluene-d8
Concen: 29.760 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

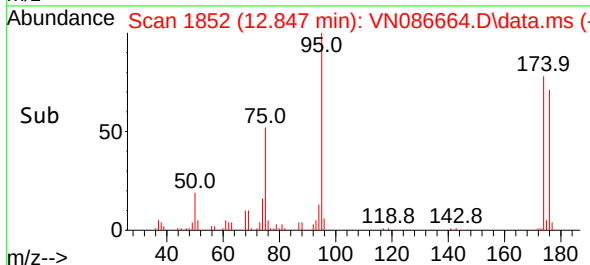
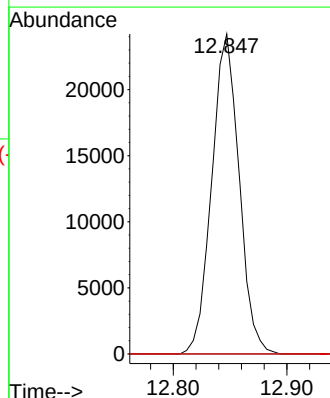
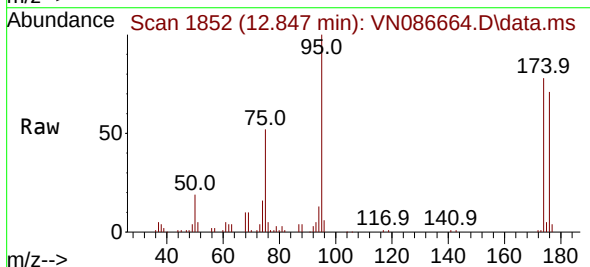
Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

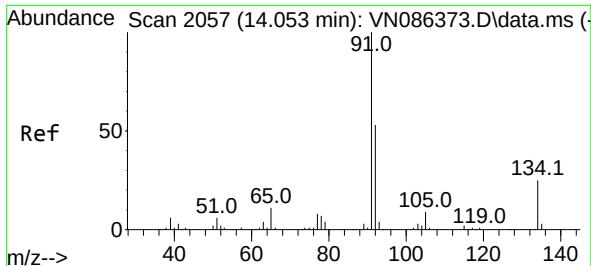
Tgt Ion: 98 Resp: 254603
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7



#77
t-1,4-Dichloro-2-butene
Concen: 31.982 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

Tgt Ion: 75 Resp: 40485
Ion Ratio Lower Upper
75 100
53 0.0 46.0 138.0#
89 0.0 21.6 64.6#

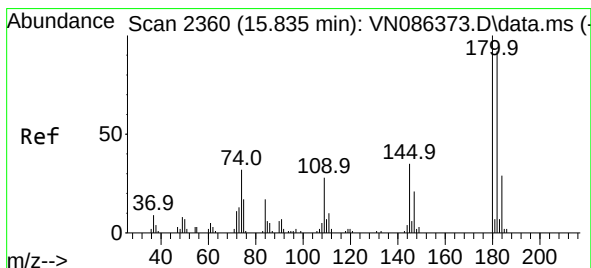
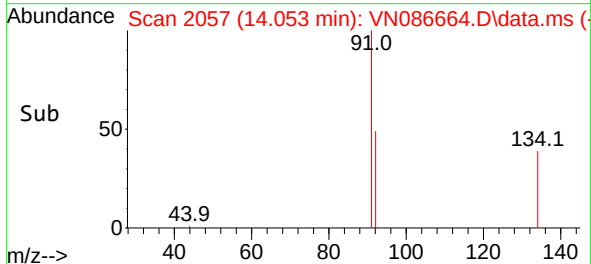
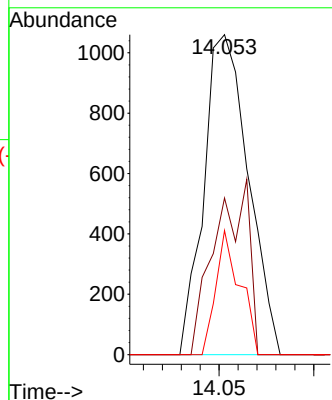
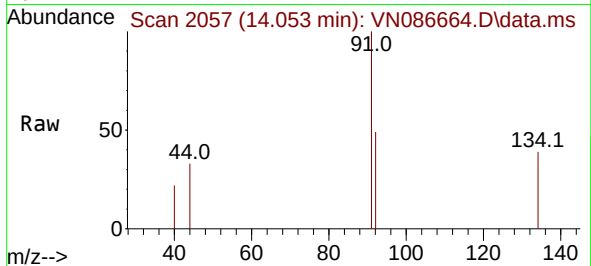




#85
n-Butylbenzene
Concen: 0.213 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

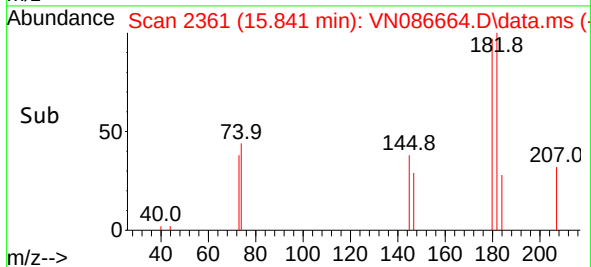
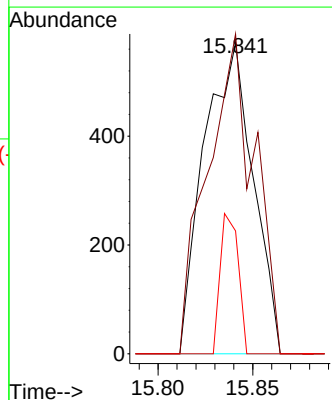
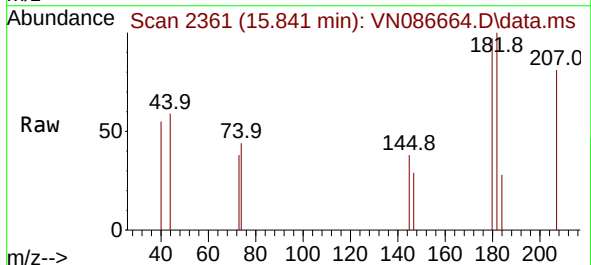
Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

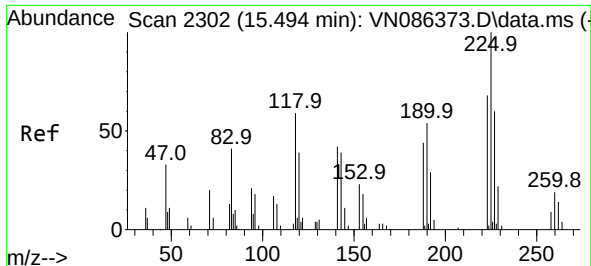
Tgt Ion: 91 Resp: 1731
Ion Ratio Lower Upper
91 100
92 30.3 0.0 107.2
134 21.1 0.0 48.2



#89
1,2,4-Trichlorobenzene
Concen: 0.502 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

Tgt Ion:180 Resp: 1029
Ion Ratio Lower Upper
180 100
182 99.0 74.8 112.2
145 16.6 26.9 40.3#

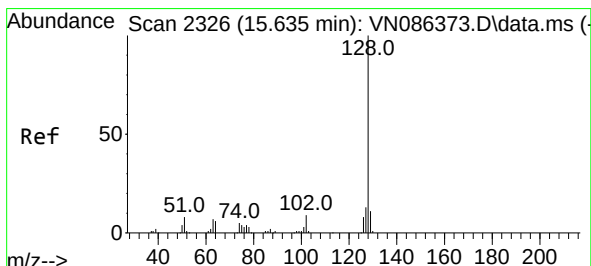
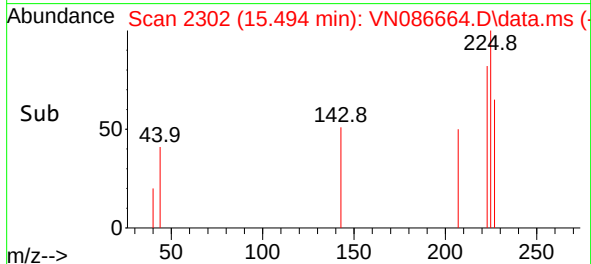
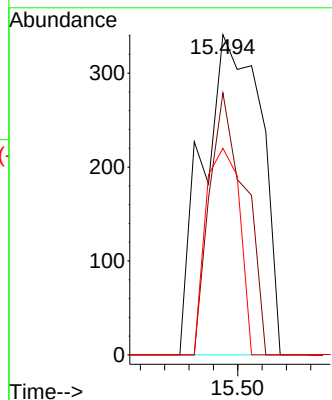
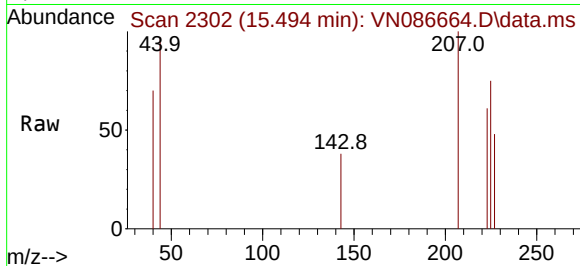




#90
Hexachlorobutadiene
Concen: 0.685 ug/l
RT: 15.494 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

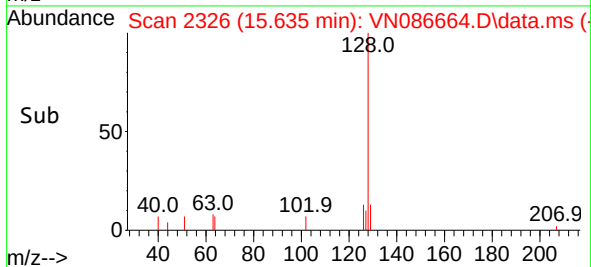
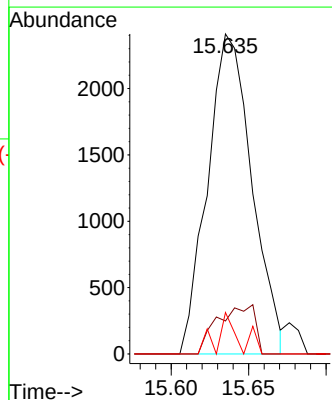
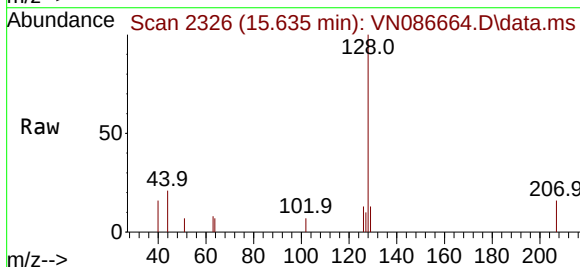
Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

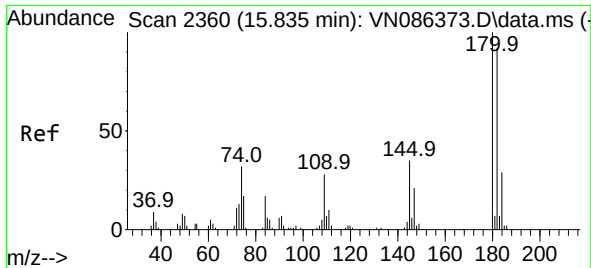
Tgt Ion:225 Resp: 565
Ion Ratio Lower Upper
225 100
223 50.1 0.0 128.8
227 37.7 0.0 120.2



#91
Naphthalene
Concen: 0.655 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

Tgt Ion:128 Resp: 4802
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 3.5 8.7 13.1#





#92

1,2,3-Trichlorobenzene

Concen: 0.502 ug/l

RT: 15.841 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN086664.D

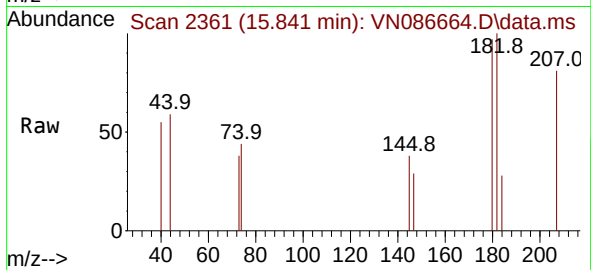
Acq: 16 May 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN0516WBL01



Tgt Ion:180 Resp: 1029

Ion Ratio Lower Upper

180 100

182 99.0 0.0 187.0

145 16.6 0.0 67.2

