

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086171.D
 Acq On : 31 Mar 2025 15:40
 Operator : JC\MD
 Sample : Q1671-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

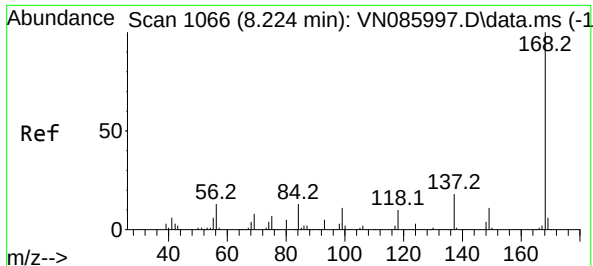
Quant Time: Apr 01 01:36:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	172280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	317830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	324503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132058	55.978	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.960%
35) Dibromofluoromethane	8.165	113	115805	52.202	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.400%
50) Toluene-d8	10.565	98	421700	52.377	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.760%
62) 4-Bromofluorobenzene	12.847	95	136370	47.494	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.980%
Target Compounds						Qvalue
5) Bromomethane	2.971	94	489	0.351	ug/l	82
11) Tert butyl alcohol	5.524	59	128	0.383	ug/l #	73
14) Allyl chloride	5.271	41	2644	1.201	ug/l #	20
16) Acetone	4.430	43	30168	41.858	ug/l	97
18) Methyl Acetate	5.030	43	2401	1.346	ug/l #	82
20) Methylene Chloride	5.277	84	89763	42.573	ug/l	94
25) 2-Butanone	7.488	43	4580	4.404	ug/l	95
31) Cyclohexane	8.224	56	3397	1.156	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13353	4.571	ug/l #	51
38) Carbon Tetrachloride	8.224	117	18238	4.749	ug/l #	16
43) Isopropyl Acetate	8.682	43	15842	2.967	ug/l #	76
45) 1,2-Dichloropropane	9.741	63	693	0.332	ug/l #	44
48) Methyl methacrylate	9.741	41	52519	29.803	ug/l #	33
51) 4-Methyl-2-Pentanone	10.447	43	2798	1.188	ug/l #	85
54) cis-1,3-Dichloropropene	10.353	75	20608	5.867	ug/l #	65
56) Ethyl methacrylate	10.988	69	481	0.365	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	2125	0.582	ug/l #	42
59) 2-Hexanone	11.200	43	31016	18.078	ug/l #	45
74) N-amyl acetate	12.453	43	2119	0.735	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	68247	24.172	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68247	63.907	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.382	180	504	0.233	ug/l #	73
94) Hexachlorobutadiene	15.494	225	569	0.453	ug/l #	49
95) Naphthalene	15.641	128	1941	0.310	ug/l #	77

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

Quant Time: Apr 01 01:36:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

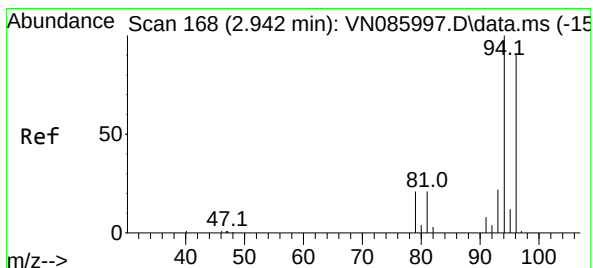
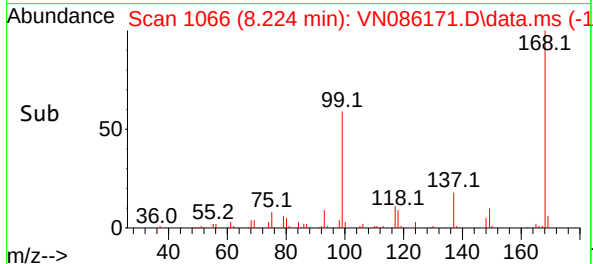
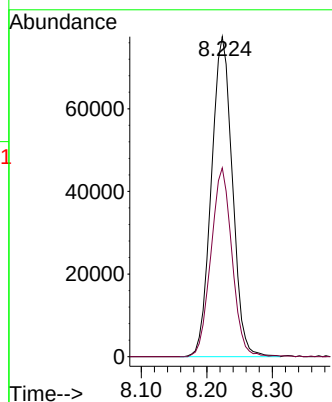
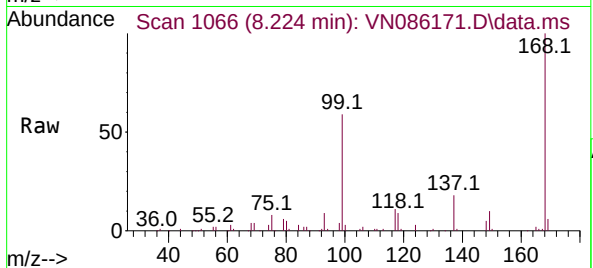




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

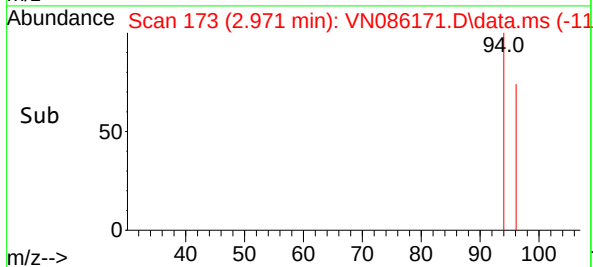
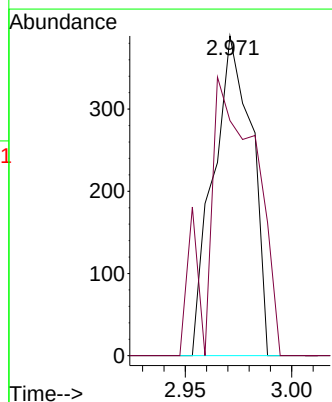
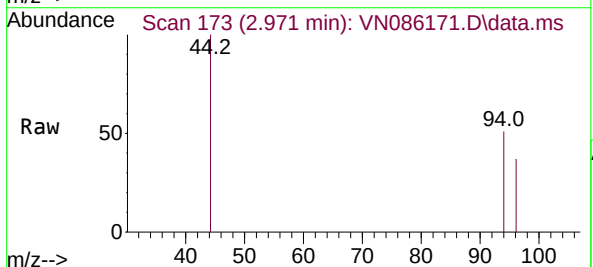
Instrument :
MSVOA_N
ClientSampleId :
WC-1

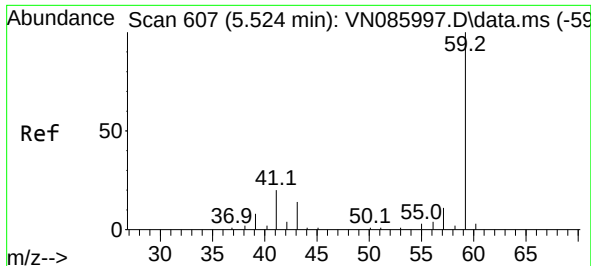
Tgt Ion:168 Resp: 172280
Ion Ratio Lower Upper
168 100
99 59.0 49.4 74.2



#5
Bromomethane
Concen: 0.351 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.029 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

Tgt Ion: 94 Resp: 489
Ion Ratio Lower Upper
94 100
96 73.5 72.8 109.2

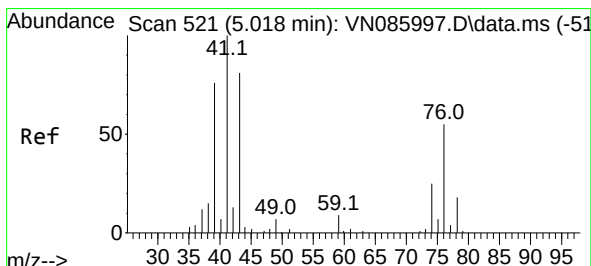
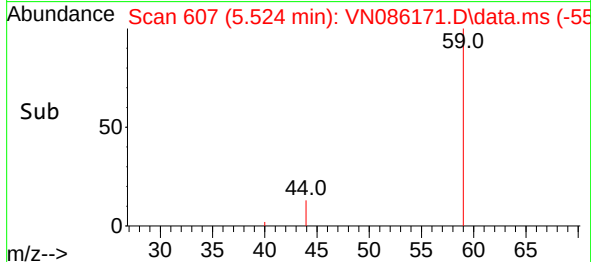
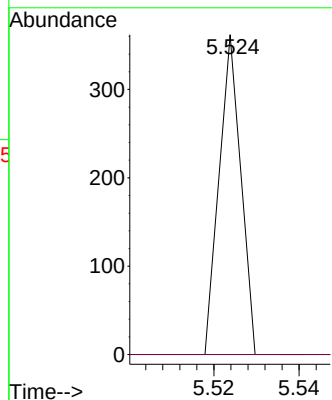
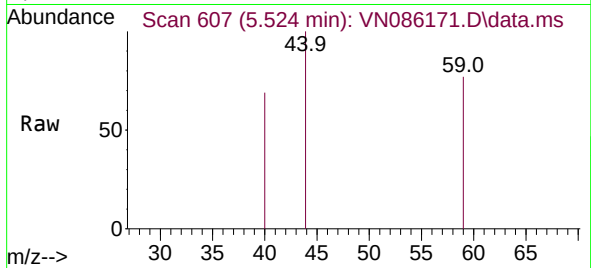




#11
Tert butyl alcohol
Concen: 0.383 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

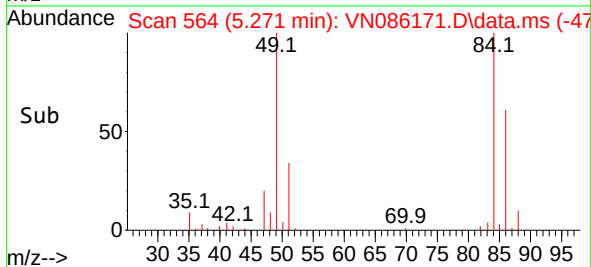
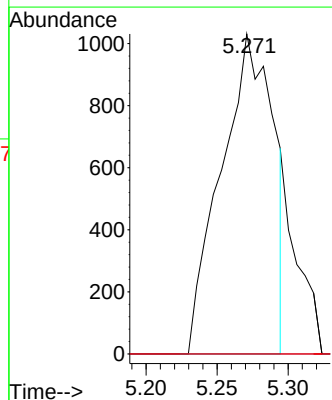
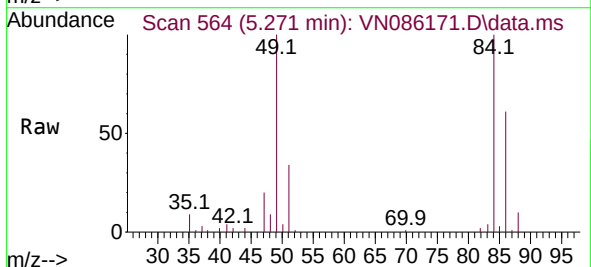
Instrument :
MSVOA_N
ClientSampleId :
WC-1

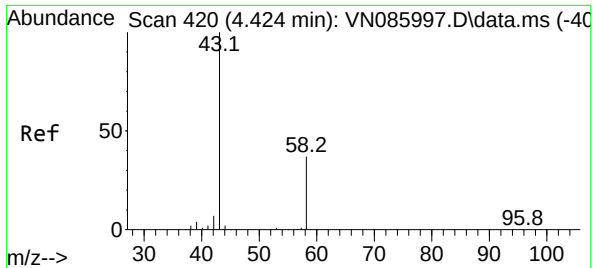
Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#14
Allyl chloride
Concen: 1.201 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.253 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

Tgt Ion: 41 Resp: 2644
Ion Ratio Lower Upper
41 100
39 0.0 55.5 83.3#
76 0.0 39.1 58.7#

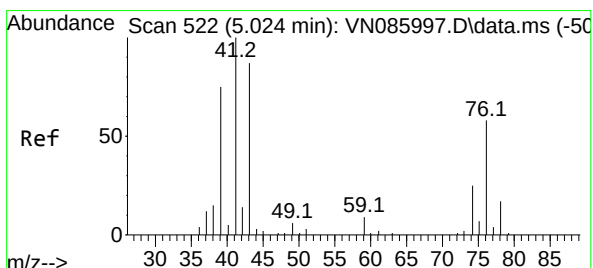
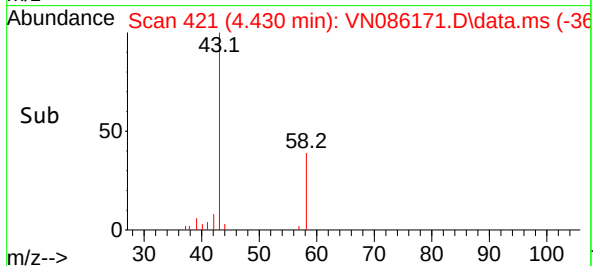
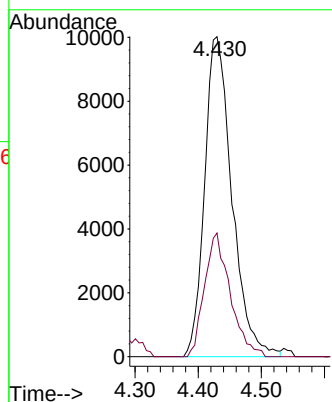
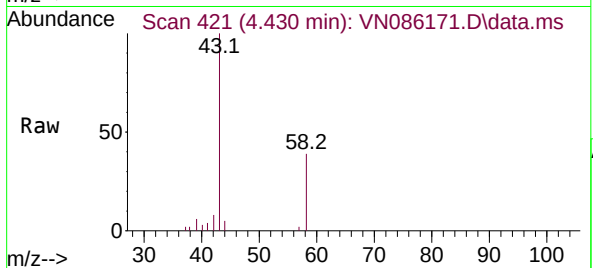




#16
Acetone
Concen: 41.858 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

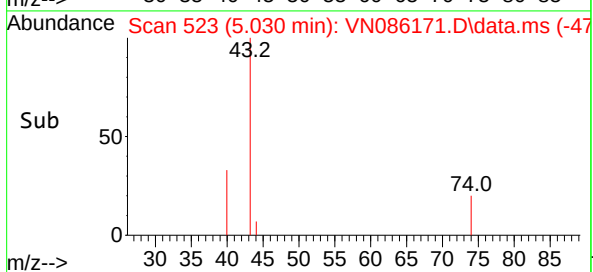
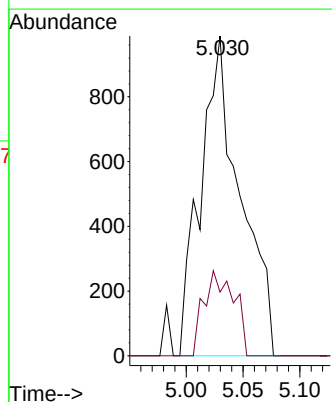
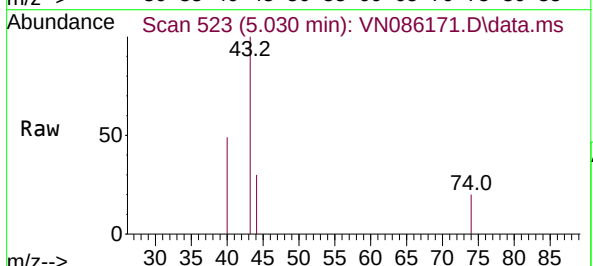
Instrument :
MSVOA_N
ClientSampleId :
WC-1

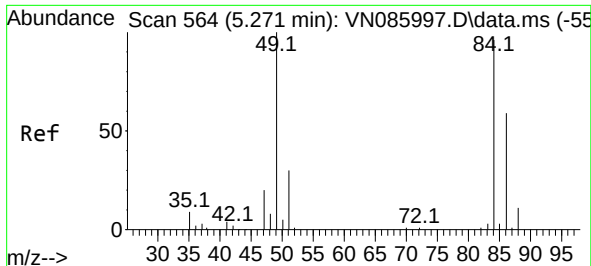
Tgt Ion: 43 Resp: 30168
Ion Ratio Lower Upper
43 100
58 38.7 29.4 44.2



#18
Methyl Acetate
Concen: 1.346 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

Tgt Ion: 43 Resp: 2401
Ion Ratio Lower Upper
43 100
74 20.2 23.9 35.9#

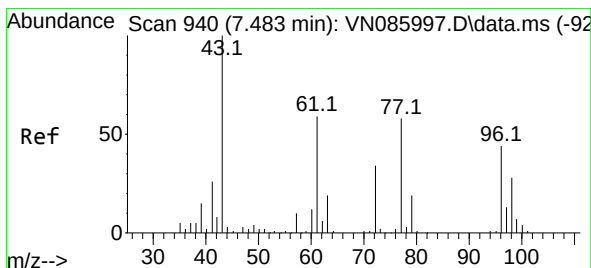
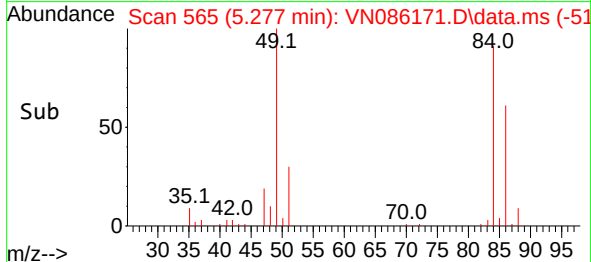
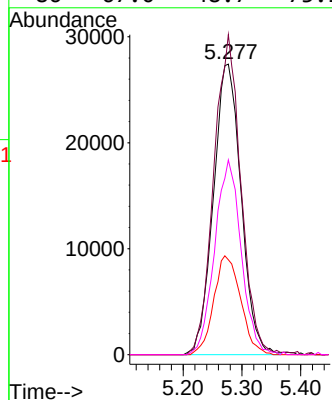
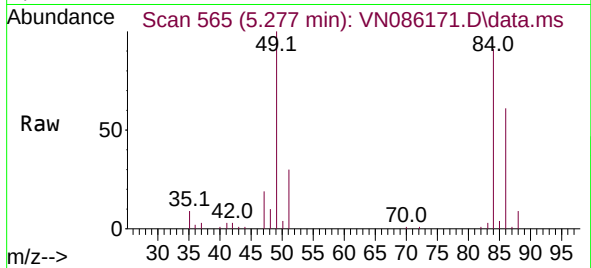




#20
Methylene Chloride
Concen: 42.573 ug/l
RT: 5.277 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

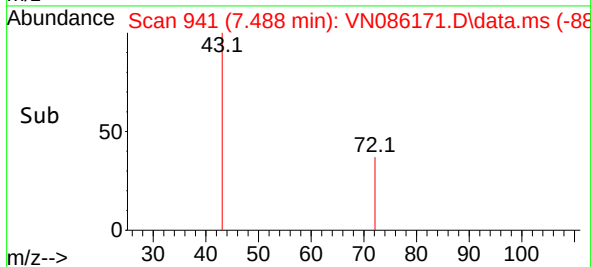
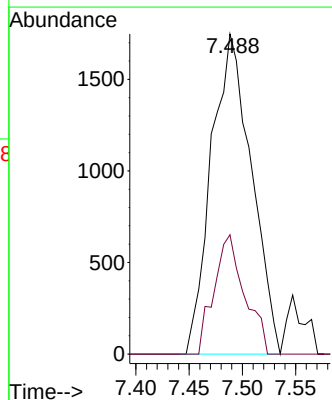
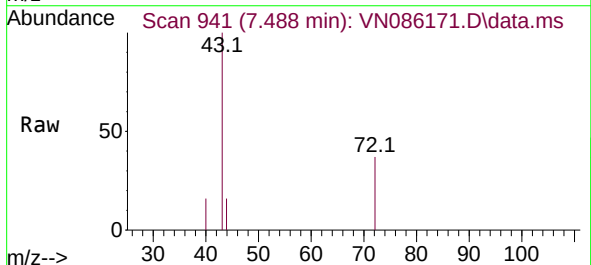
Instrument :
MSVOA_N
ClientSampleId :
WC-1

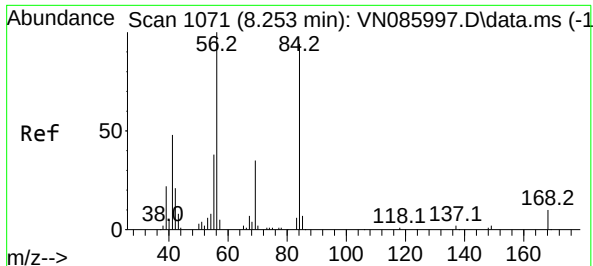
Tgt Ion: 84	Resp: 89763		
Ion	Ratio	Lower	Upper
84	100		
49	110.1	83.3	124.9
51	32.6	24.8	37.2
86	67.0	48.7	73.1



#25
2-Butanone
Concen: 4.404 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

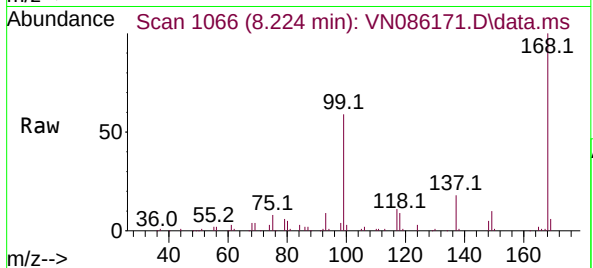
Tgt Ion: 43	Resp: 4580		
Ion Ratio	Lower	Upper	
43 100			
72 37.2	27.4	41.0	



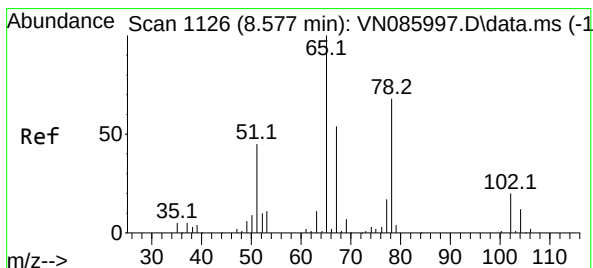
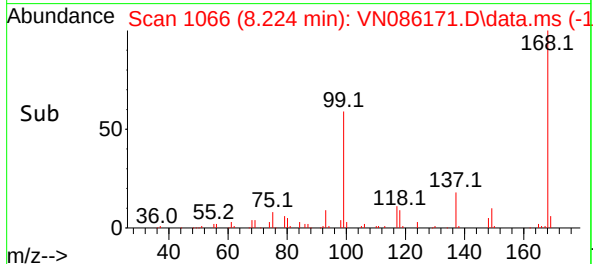
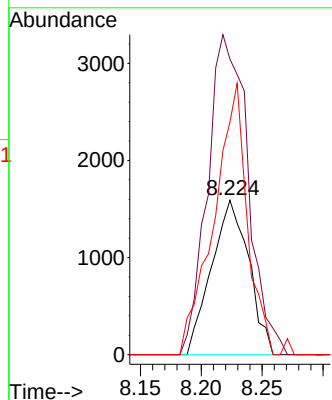


#31
Cyclohexane
Concen: 1.156 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

Instrument :
MSVOA_N
ClientSampleId :
WC-1

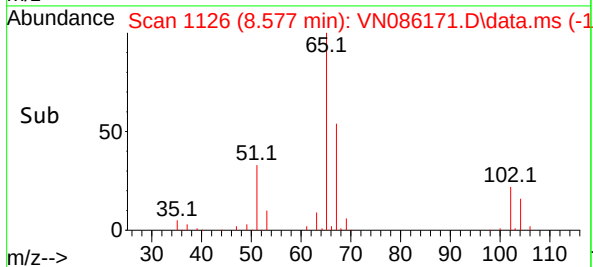
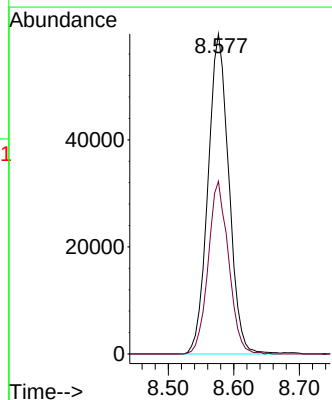
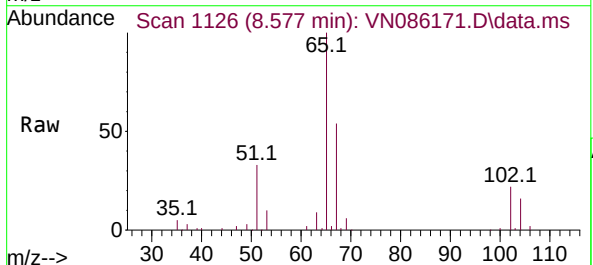


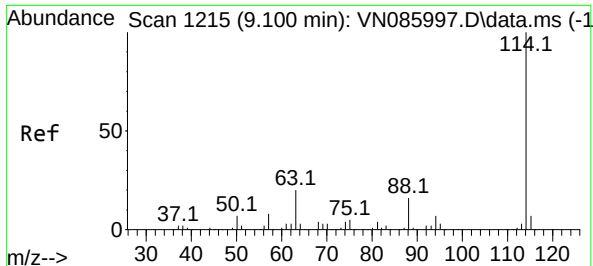
Tgt Ion: 56 Resp: 3397
Ion Ratio Lower Upper
56 100
69 191.4 28.0 42.0#
84 150.6 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 55.978 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

Tgt Ion: 65 Resp: 132058
Ion Ratio Lower Upper
65 100
67 52.7 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086171.D

Acq: 31 Mar 2025 15:40

Instrument :

MSVOA_N

ClientSampleId :

WC-1

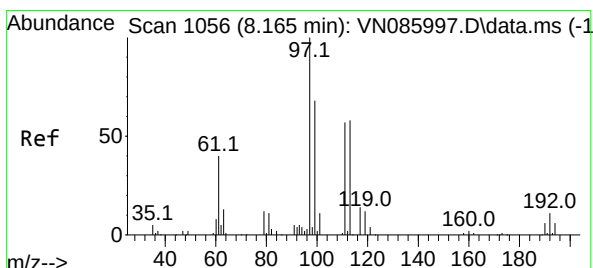
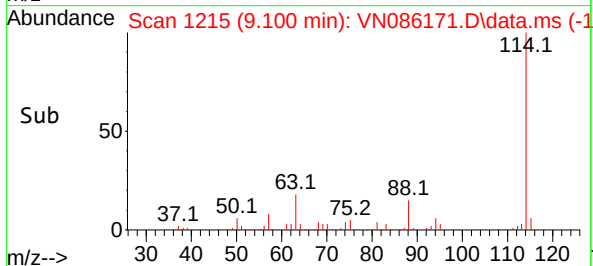
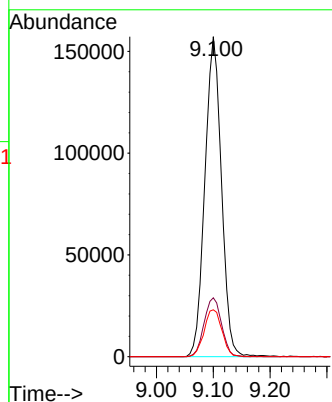
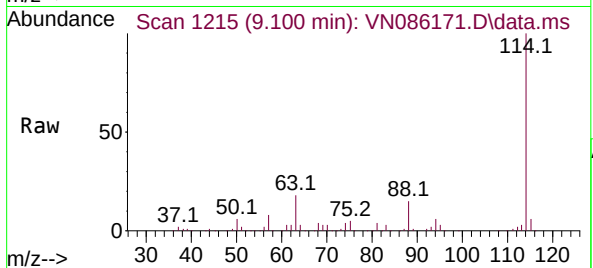
Tgt Ion:114 Resp: 317830

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 14.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.202 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086171.D

Acq: 31 Mar 2025 15:40

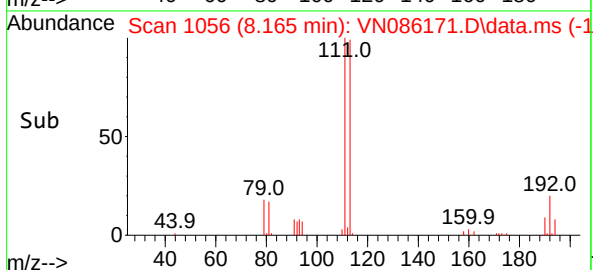
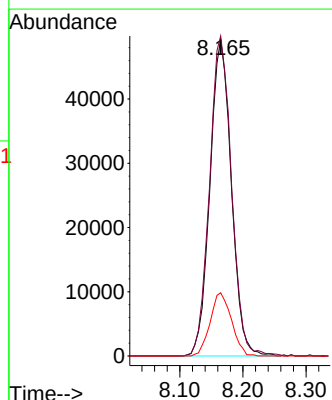
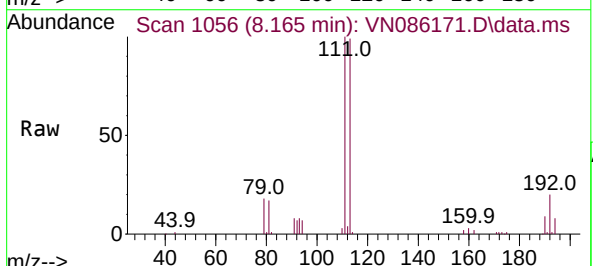
Tgt Ion:113 Resp: 115805

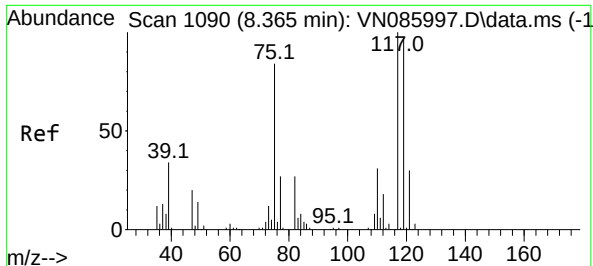
Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.8

192 19.9 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.571 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086171.D

Acq: 31 Mar 2025 15:40

Instrument :

MSVOA_N

ClientSampleId :

WC-1

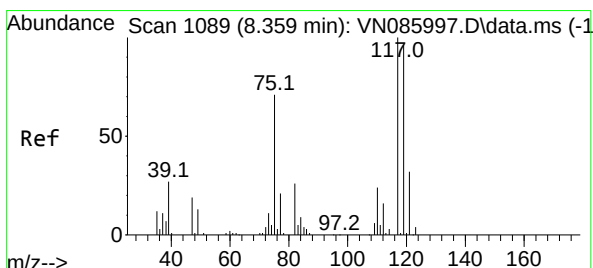
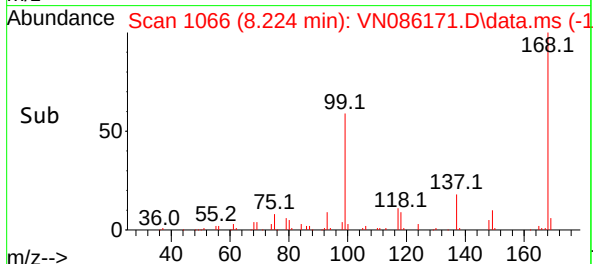
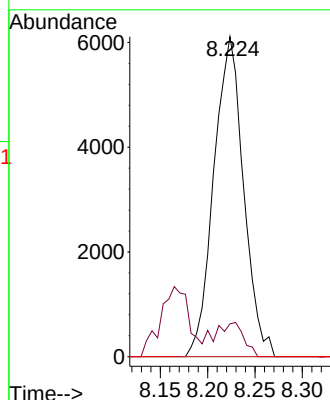
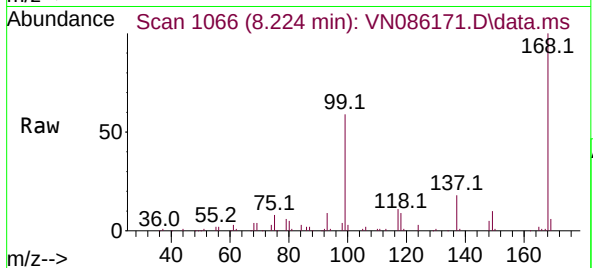
Tgt Ion: 75 Resp: 13353

Ion Ratio Lower Upper

75 100

110 10.7 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.749 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.136 min

Lab File: VN086171.D

Acq: 31 Mar 2025 15:40

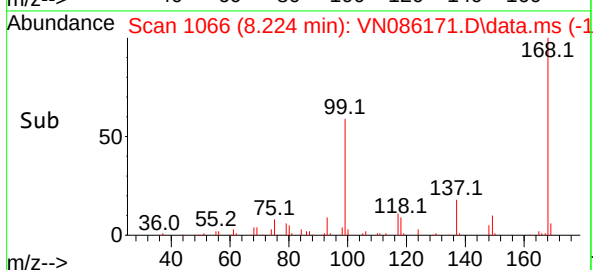
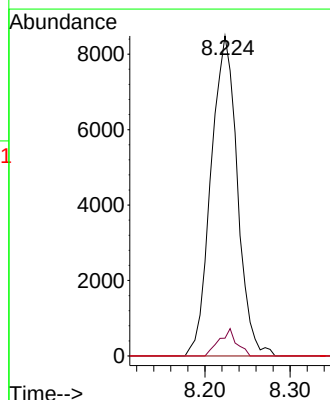
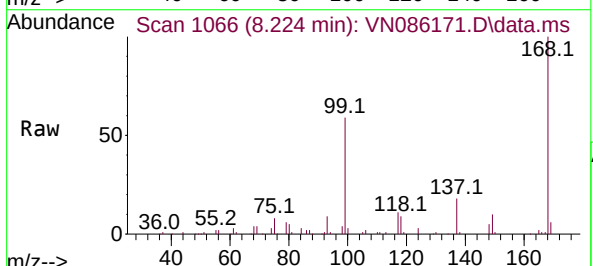
Tgt Ion: 117 Resp: 18238

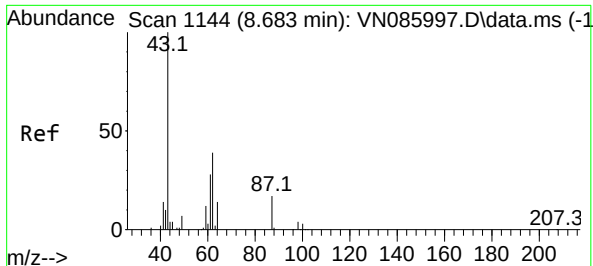
Ion Ratio Lower Upper

117 100

119 5.5 77.0 115.4#

121 0.0 25.6 38.4#

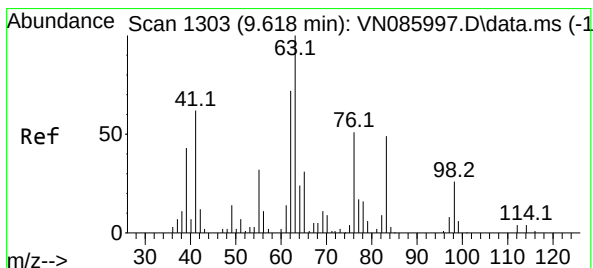
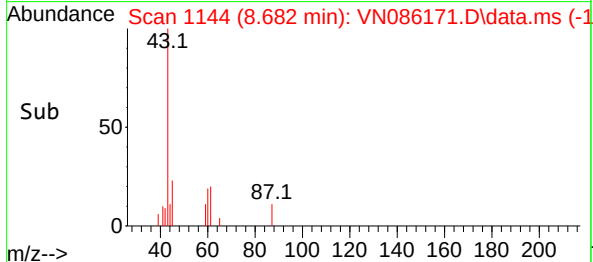
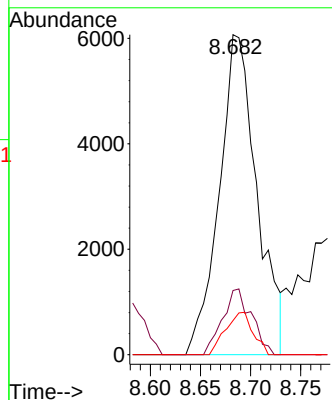
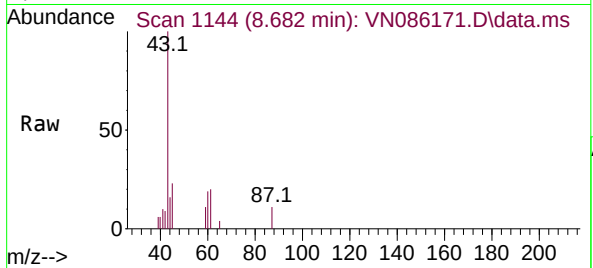




#43
Isopropyl Acetate
Concen: 2.967 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

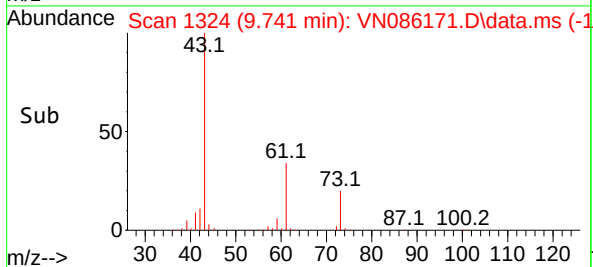
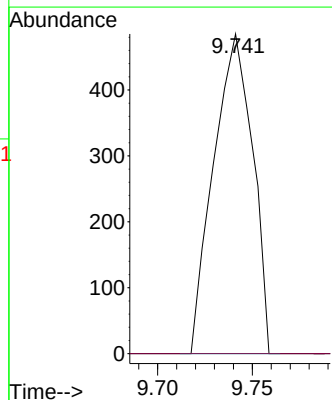
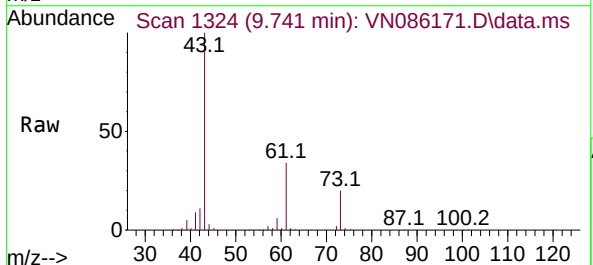
Instrument :
MSVOA_N
ClientSampleId :
WC-1

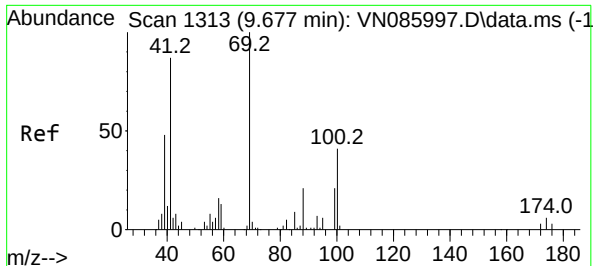
Tgt Ion: 43 Resp: 15842
Ion Ratio Lower Upper
43 100
61 15.8 25.0 37.6#
87 9.6 13.0 19.4#



#45
1,2-Dichloropropane
Concen: 0.332 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

Tgt Ion: 63 Resp: 693
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

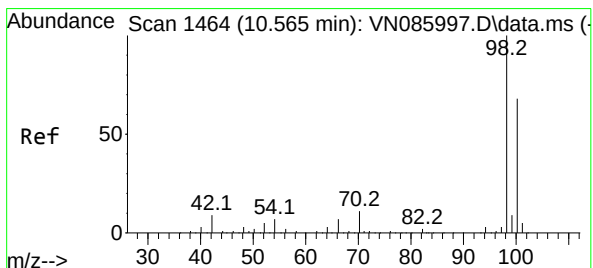
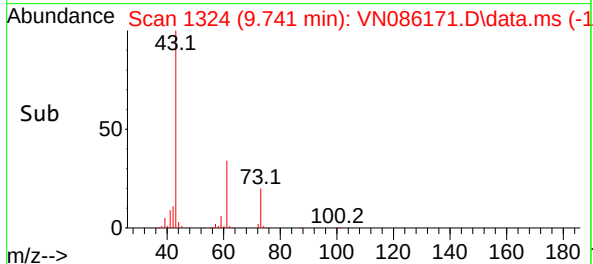
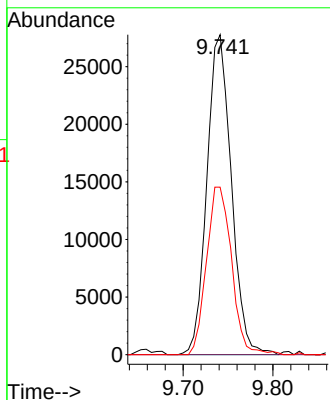
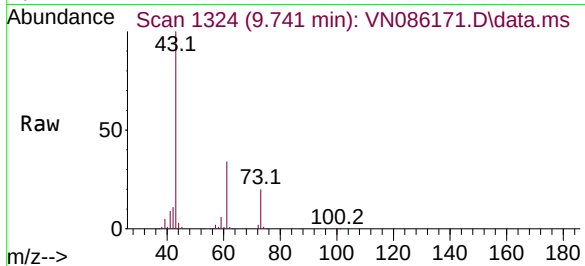




#48
Methyl methacrylate
Concen: 29.803 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.064 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

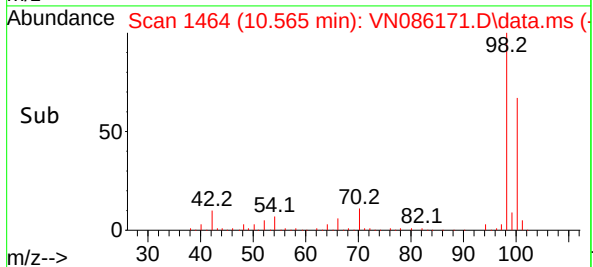
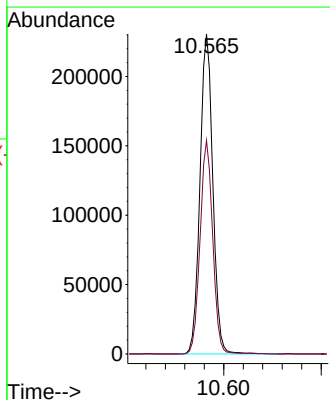
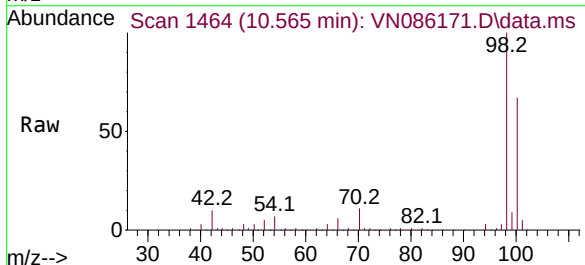
Instrument :
MSVOA_N
ClientSampleId :
WC-1

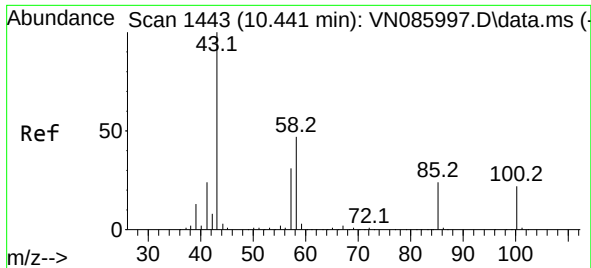
Tgt Ion: 41 Resp: 52519
Ion Ratio Lower Upper
41 100
69 0.0 83.1 124.7#
39 53.8 45.6 68.4



#50
Toluene-d8
Concen: 52.377 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

Tgt Ion: 98 Resp: 421700
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7

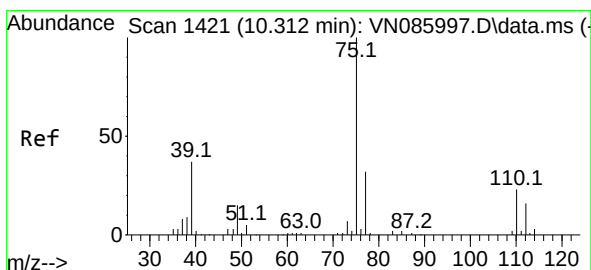
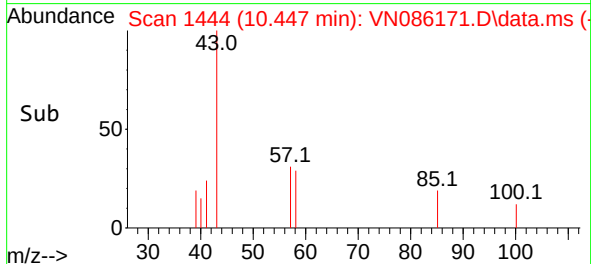
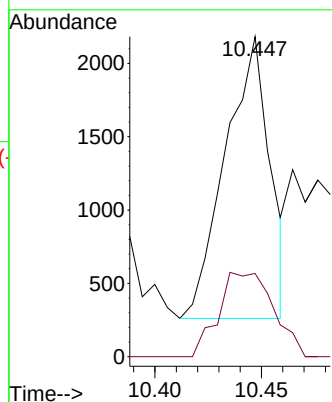
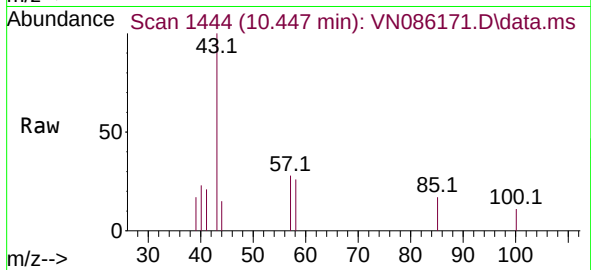




#51
4-Methyl-2-Pentanone
Concen: 1.188 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

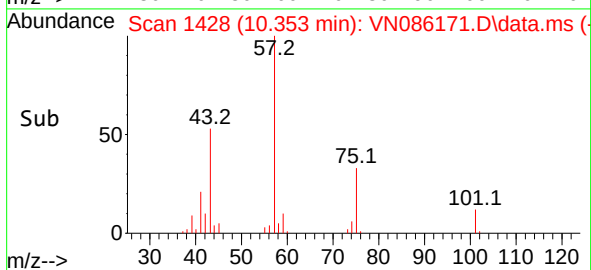
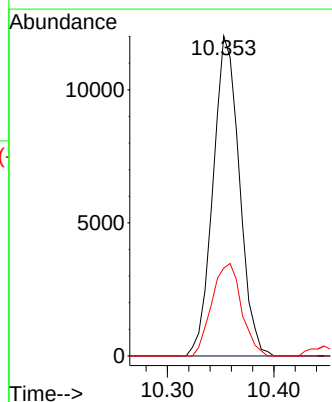
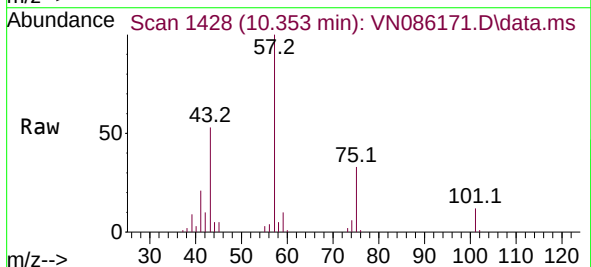
Instrument :
MSVOA_N
ClientSampleId :
WC-1

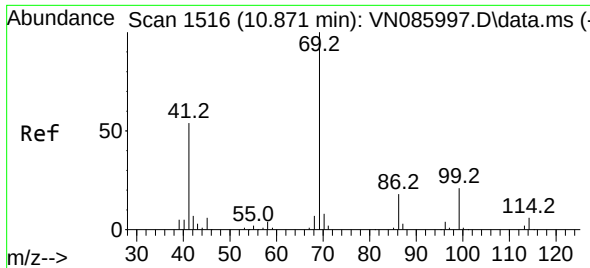
Tgt Ion: 43 Resp: 2798
Ion Ratio Lower Upper
43 100
58 36.8 37.4 56.0#



#54
cis-1,3-Dichloropropene
Concen: 5.867 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

Tgt Ion: 75 Resp: 20608
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 27.5 29.6 44.4#

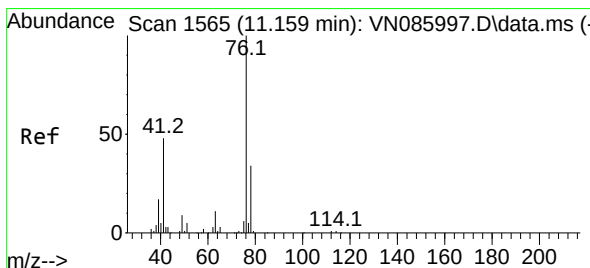
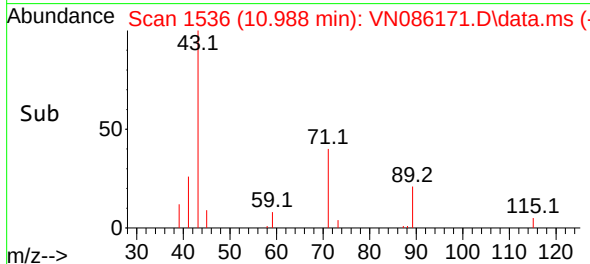
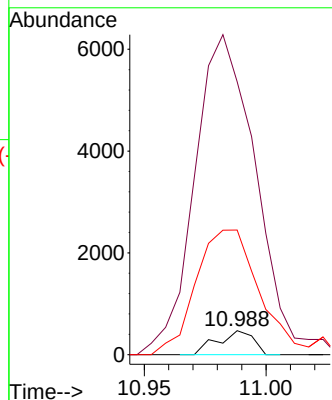
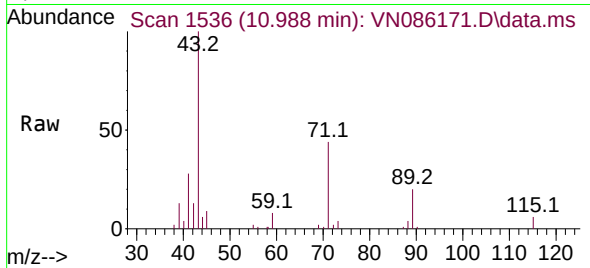




#56
Ethyl methacrylate
Concen: 0.365 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

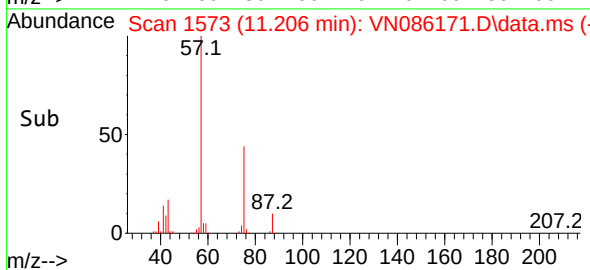
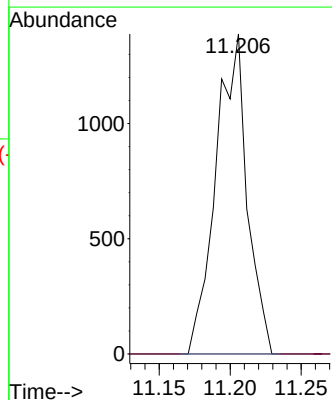
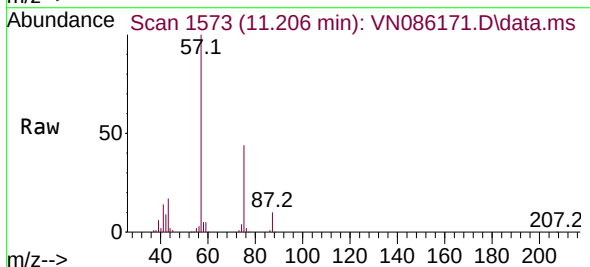
Instrument :
MSVOA_N
ClientSampleId :
WC-1

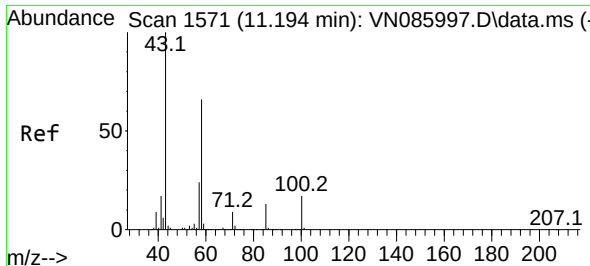
Tgt Ion: 69 Resp: 481
Ion Ratio Lower Upper
69 100
41 2296.7 41.6 62.4#
39 922.0 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 0.582 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.047 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

Tgt Ion: 76 Resp: 2125
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

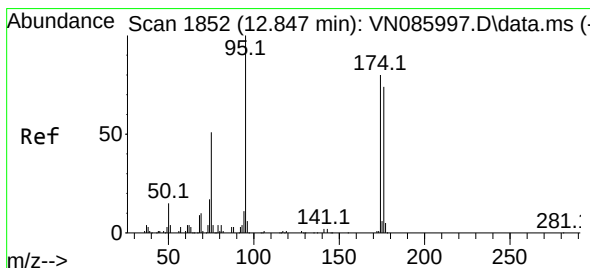
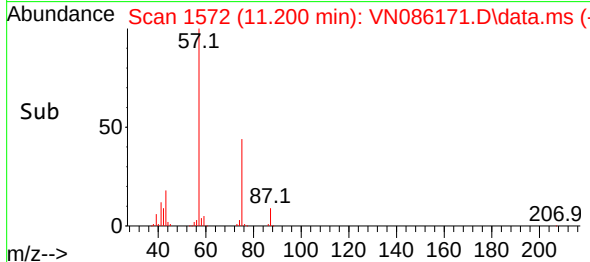
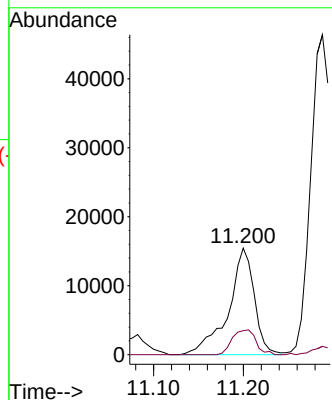
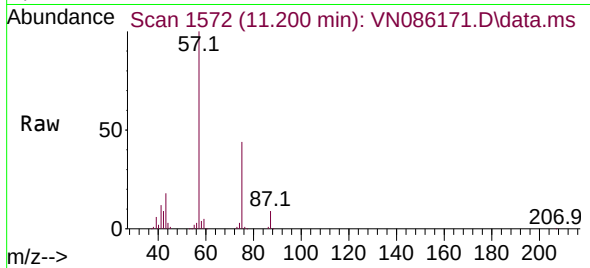




#59
2-Hexanone
Concen: 18.078 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

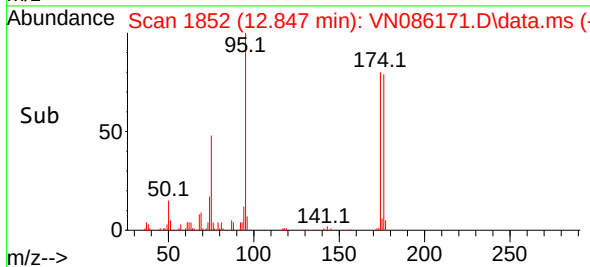
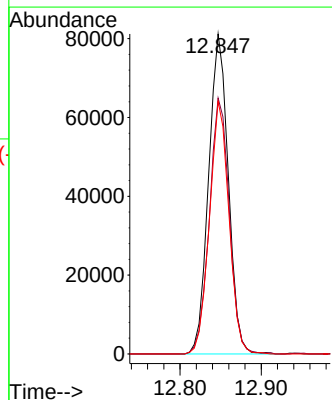
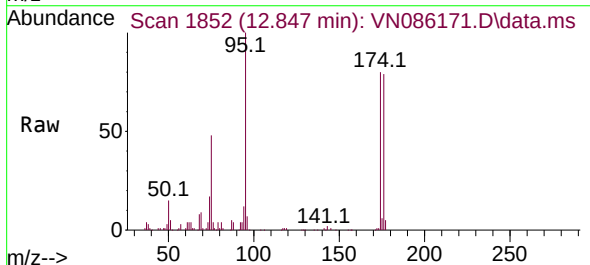
Instrument :
MSVOA_N
ClientSampleId :
WC-1

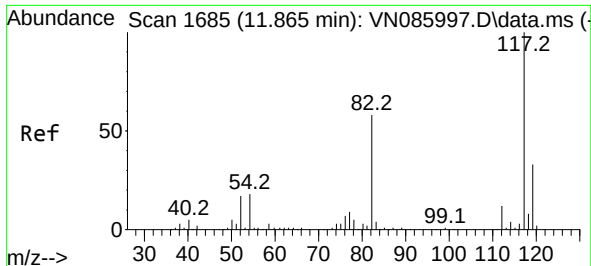
Tgt Ion: 43 Resp: 31016
Ion Ratio Lower Upper
43 100
58 21.3 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 47.494 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

Tgt Ion: 95 Resp: 136370
Ion Ratio Lower Upper
95 100
174 81.3 0.0 156.8
176 78.2 0.0 152.2

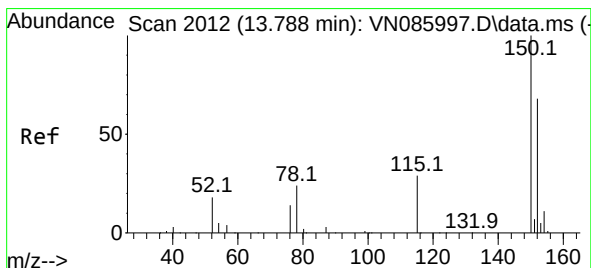
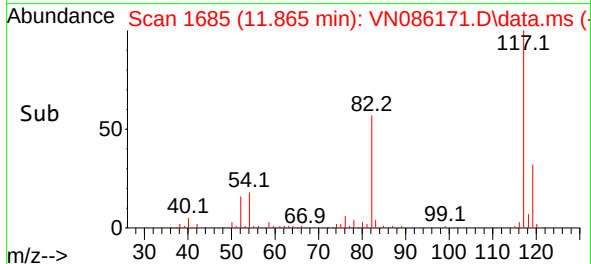
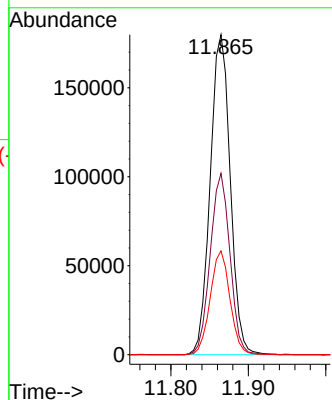
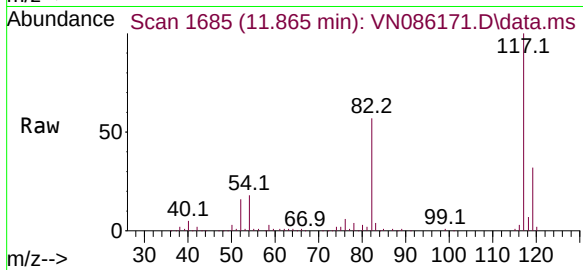




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

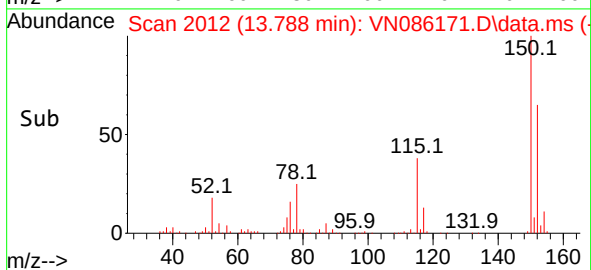
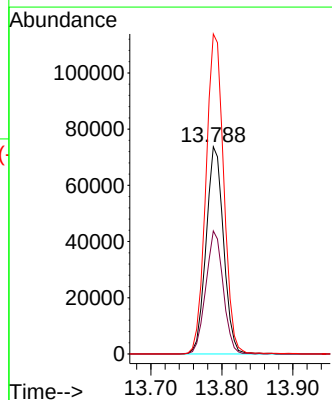
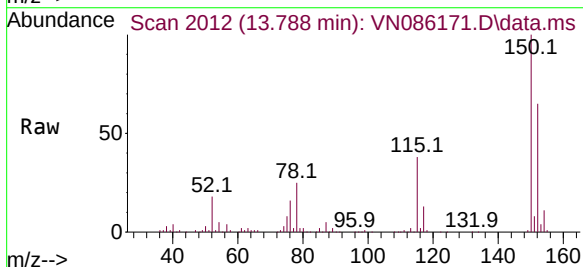
Instrument :
MSVOA_N
ClientSampleId :
WC-1

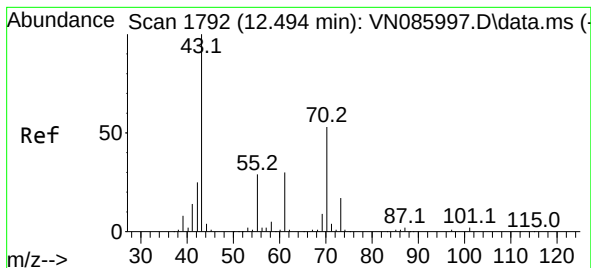
Tgt Ion:117 Resp: 324503
Ion Ratio Lower Upper
117 100
82 56.7 46.7 70.1
119 32.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

Tgt Ion:152 Resp: 126111
Ion Ratio Lower Upper
152 100
115 59.1 31.1 93.2
150 157.5 0.0 359.6





#74

N-amy1 acetate

Concen: 0.735 ug/l

RT: 12.453 min Scan# 1

Delta R.T. -0.041 min

Lab File: VN086171.D

Acq: 31 Mar 2025 15:40

Instrument :

MSVOA_N

ClientSampleId :

WC-1

Tgt Ion: 43 Resp: 2119

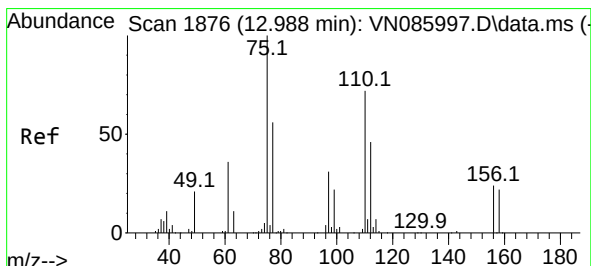
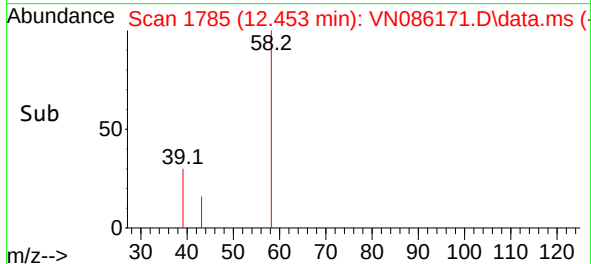
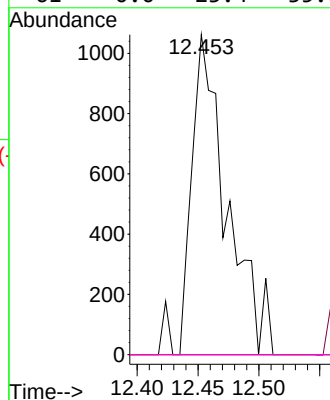
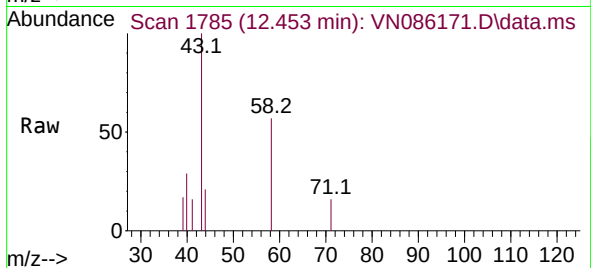
Ion Ratio Lower Upper

43 100

70 0.0 43.0 64.4#

55 0.0 23.8 35.8#

61 0.0 23.4 35.0#



#76

1,2,3-Trichloropropane

Concen: 24.172 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN086171.D

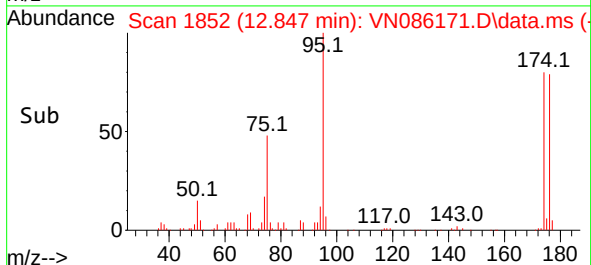
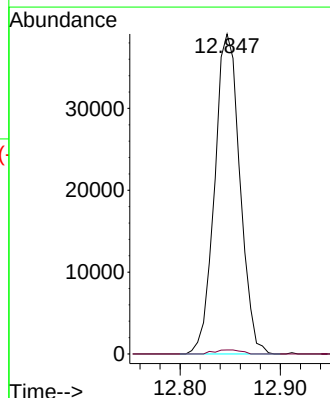
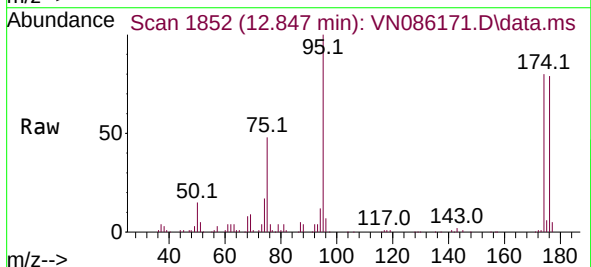
Acq: 31 Mar 2025 15:40

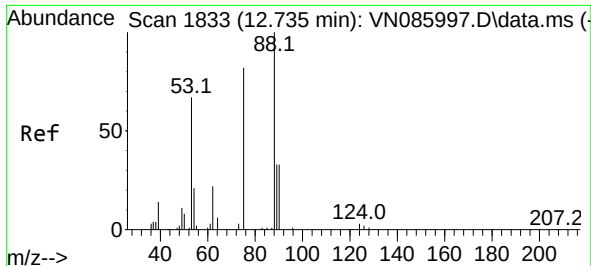
Tgt Ion: 75 Resp: 68247

Ion Ratio Lower Upper

75 100

77 1.3 83.7 251.0#

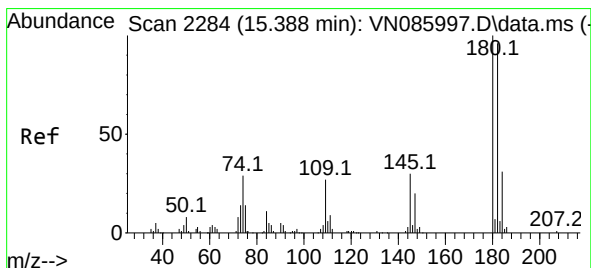
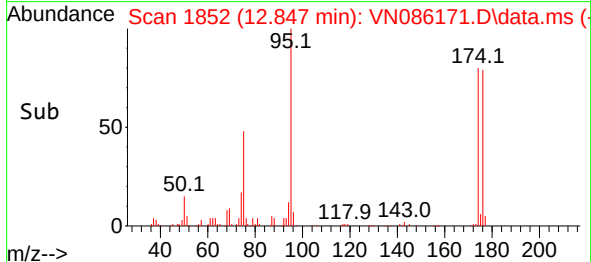
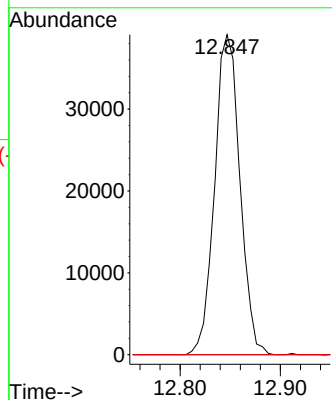
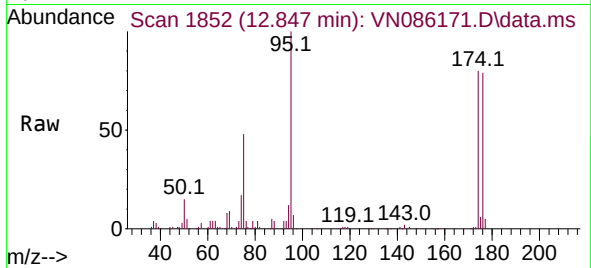




#81
trans-1,4-Dichloro-2-butene
Concen: 63.907 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

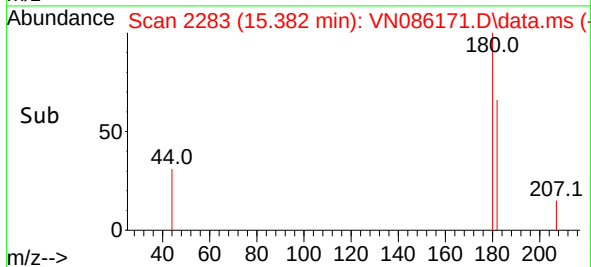
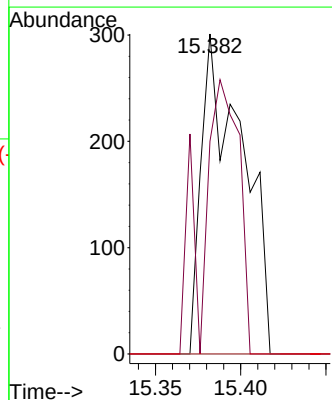
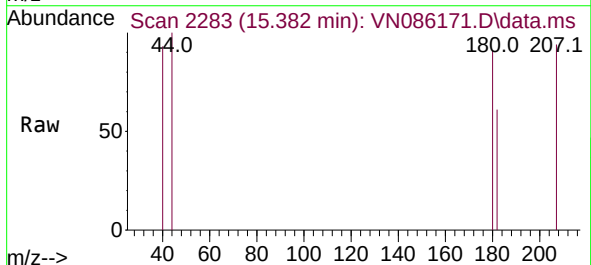
Instrument :
MSVOA_N
ClientSampleId :
WC-1

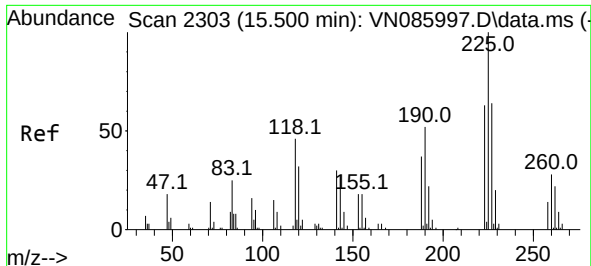
Tgt Ion: 75 Resp: 68247
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.233 ug/l
RT: 15.382 min Scan# 2283
Delta R.T. -0.006 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

Tgt Ion:180 Resp: 504
Ion Ratio Lower Upper
180 100
182 76.8 47.0 141.0
145 0.0 15.5 46.5#

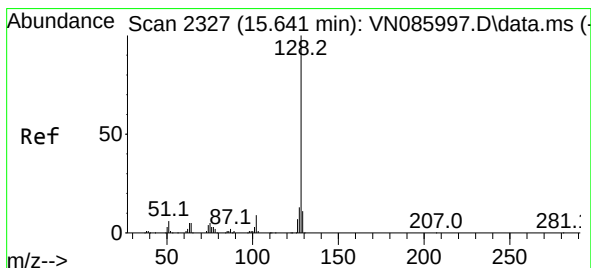
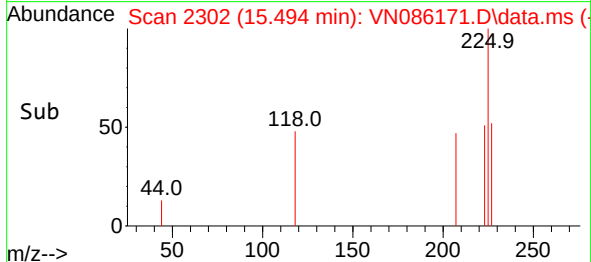
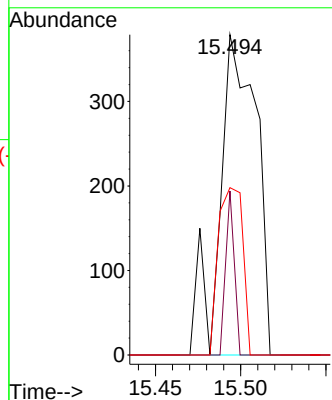
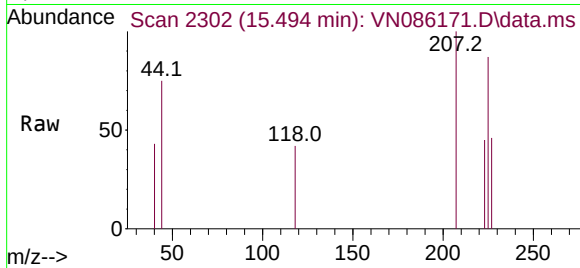




#94
Hexachlorobutadiene
Concen: 0.453 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

Instrument :
MSVOA_N
ClientSampleId :
WC-1

Tgt Ion:225 Resp: 569
Ion Ratio Lower Upper
225 100
223 12.0 31.3 93.9#
227 34.8 32.1 96.3



#95
Naphthalene
Concen: 0.310 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086171.D
Acq: 31 Mar 2025 15:40

Tgt Ion:128 Resp: 1941
Ion Ratio Lower Upper
128 100
127 2.8 10.2 15.4#
129 3.6 9.0 13.6#

