

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032625\
 Data File : VN086128.D
 Acq On : 26 Mar 2025 16:00
 Operator : JC\MD
 Sample : Q1636-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2

Quant Time: Mar 27 01:39:30 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)

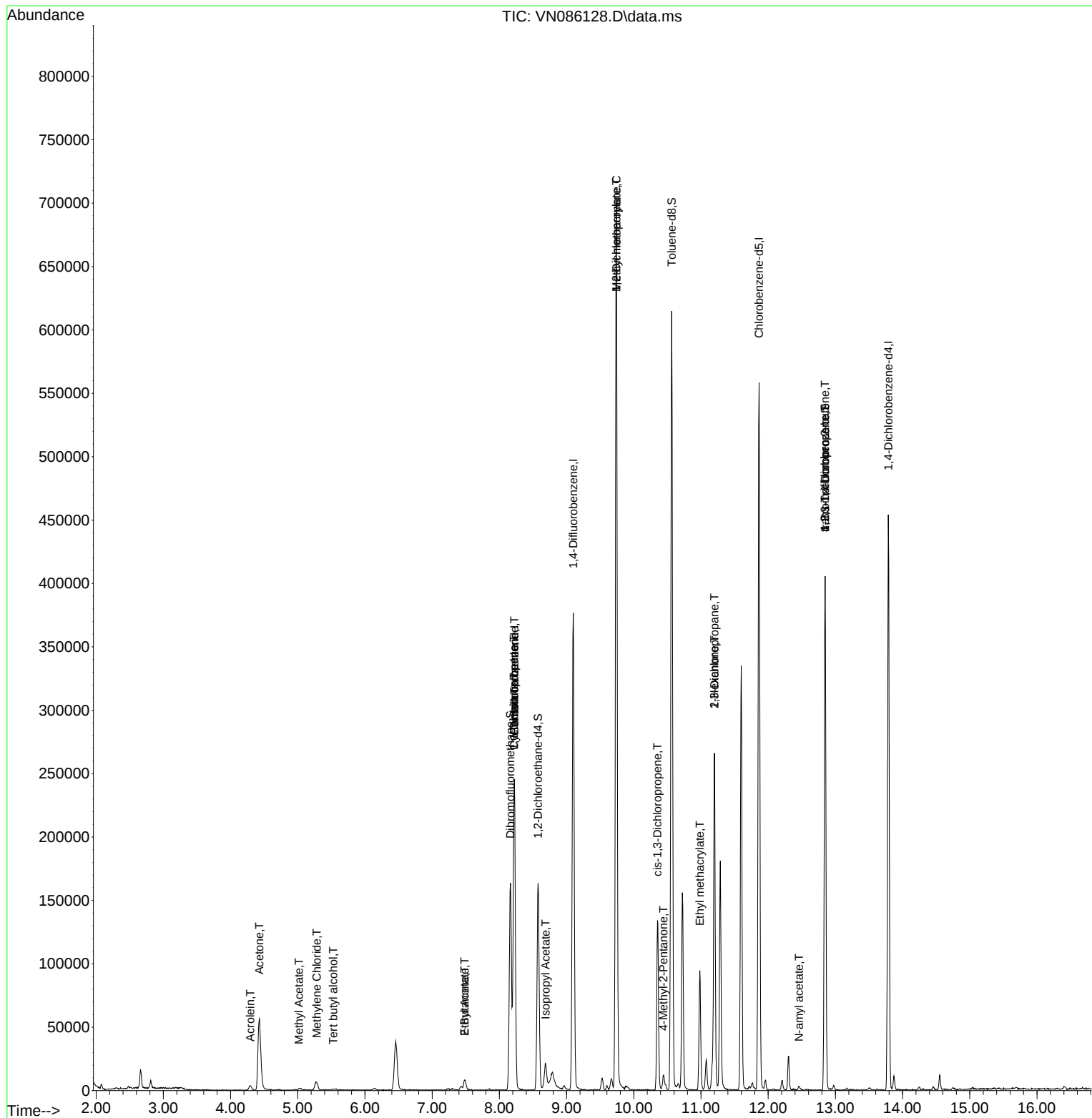
Internal Standards						
1) Pentafluorobenzene	8.224	168	179080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	333061	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	331934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136135	55.515	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.040%			
35) Dibromofluoromethane	8.165	113	117150	50.393	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.780%			
50) Toluene-d8	10.565	98	438908	52.021	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.040%			
62) 4-Bromofluorobenzene	12.847	95	143793	47.789	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.580%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	1339	3.857	ug/l #	73
13) Acrolein	4.294	56	242	0.654	ug/l	89
16) Acetone	4.430	43	105880	141.329	ug/l	98
18) Methyl Acetate	5.018	43	1697	0.916	ug/l #	84
20) Methylene Chloride	5.283	84	5757	2.627	ug/l #	88
25) 2-Butanone	7.482	43	14222	13.156	ug/l	96
31) Cyclohexane	8.218	56	3622	1.185	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14160	4.626	ug/l #	45
37) Ethyl Acetate	7.482	43	14222	5.507	ug/l #	64
38) Carbon Tetrachloride	8.224	117	19043	4.731	ug/l #	16
43) Isopropyl Acetate	8.688	43	25465	4.551	ug/l #	78
45) 1,2-Dichloropropane	9.741	63	911	0.417	ug/l #	44
48) Methyl methacrylate	9.741	41	62630	33.916	ug/l #	31
51) 4-Methyl-2-Pentanone	10.441	43	11162	4.523	ug/l #	76
54) cis-1,3-Dichloropropene	10.353	75	26458	7.188	ug/l #	68
56) Ethyl methacrylate	10.982	69	951	0.523	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2852	0.746	ug/l #	42
59) 2-Hexanone	11.200	43	47372	26.348	ug/l #	40
74) N-amyl acetate	12.459	43	2509	0.849	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	71966	24.849	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71966	65.697	ug/l #	16

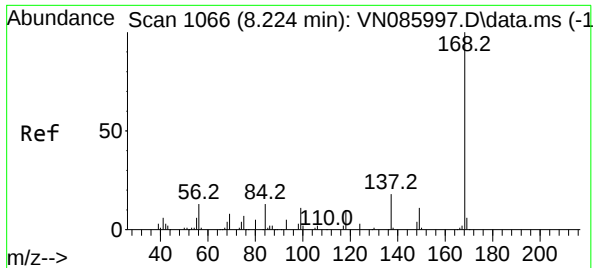
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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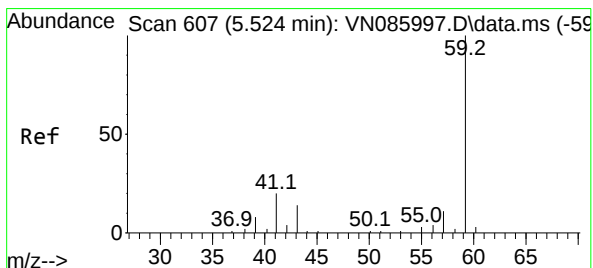
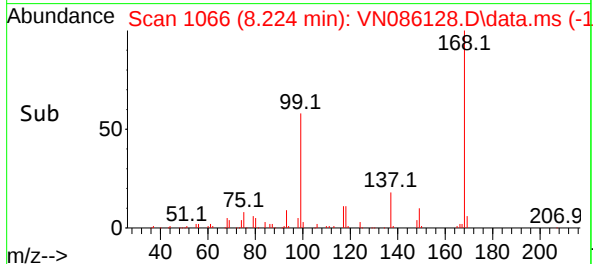
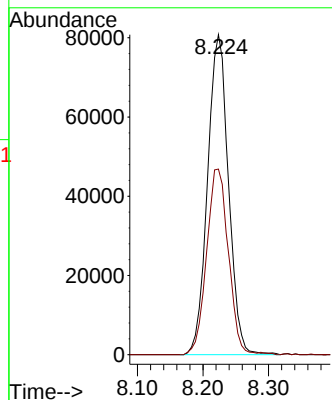
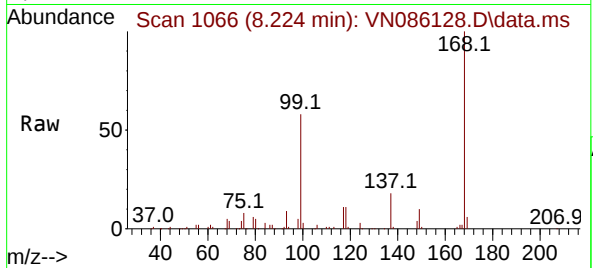




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

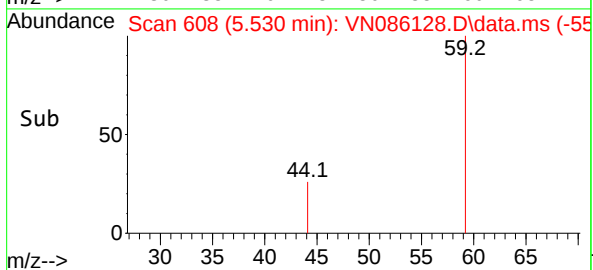
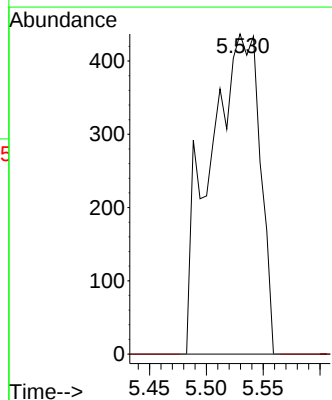
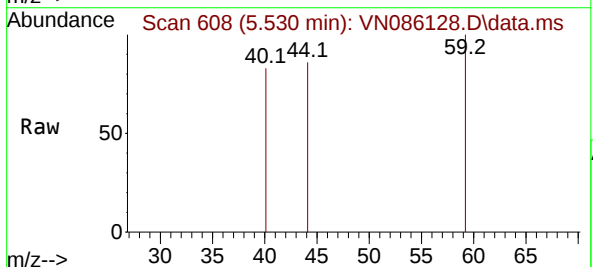
Instrument :
MSVOA_N
ClientSampleId :
WC-2

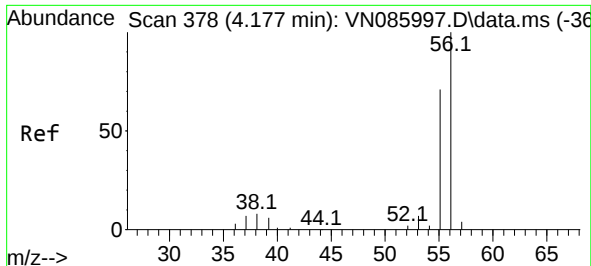
Tgt Ion:168 Resp: 179080
Ion Ratio Lower Upper
168 100
99 58.0 49.4 74.2



#11
Tert butyl alcohol
Concen: 3.857 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

Tgt Ion: 59 Resp: 1339
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#13

Acrolein

Concen: 0.654 ug/l

RT: 4.294 min Scan# 398

Delta R.T. 0.117 min

Lab File: VN086128.D

Acq: 26 Mar 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

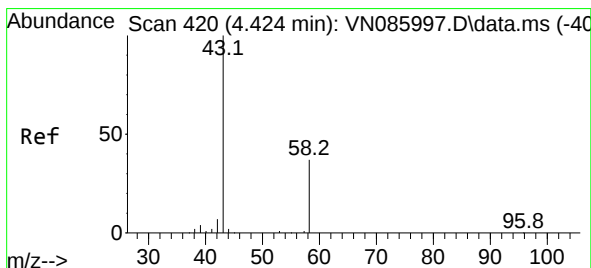
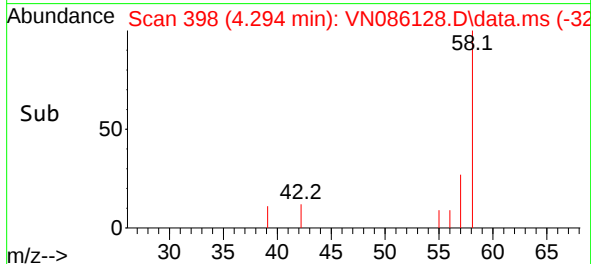
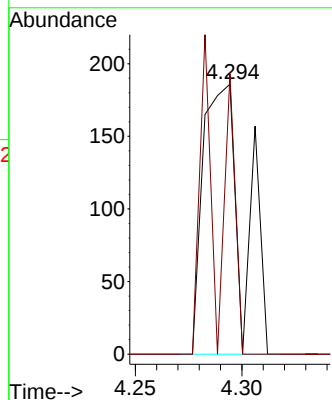
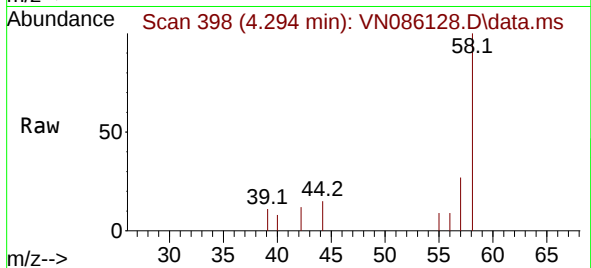
WC-2

Tgt Ion: 56 Resp: 242

Ion Ratio Lower Upper

56 100

55 60.3 55.1 82.7



#16

Acetone

Concen: 141.329 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN086128.D

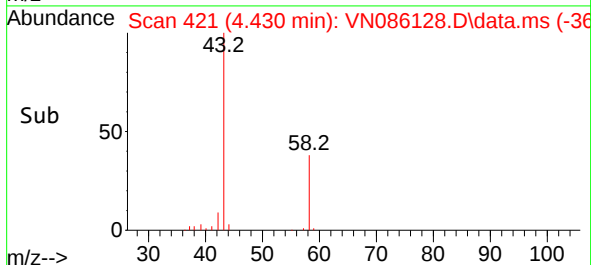
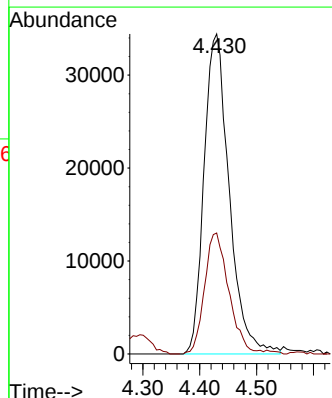
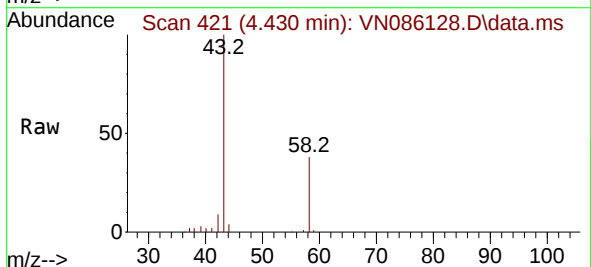
Acq: 26 Mar 2025 16:00

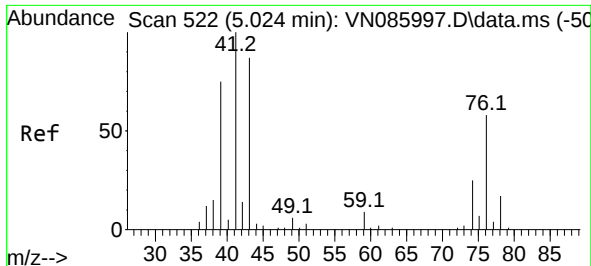
Tgt Ion: 43 Resp: 105880

Ion Ratio Lower Upper

43 100

58 37.8 29.4 44.2

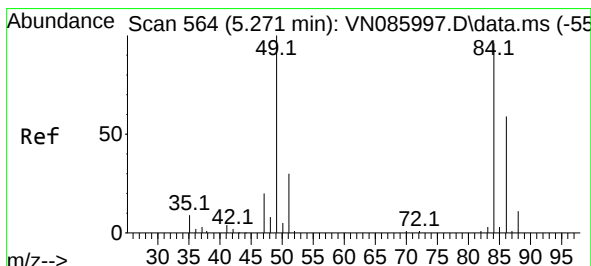
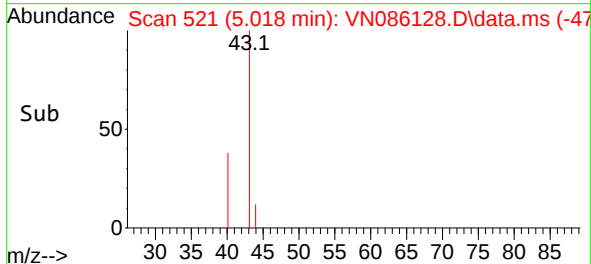
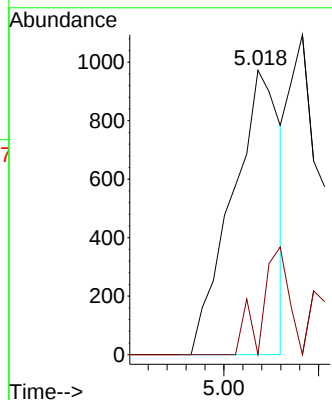
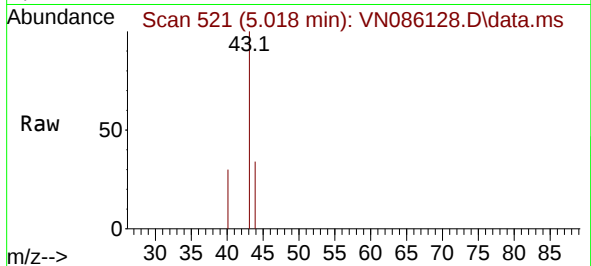




#18
Methyl Acetate
Concen: 0.916 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

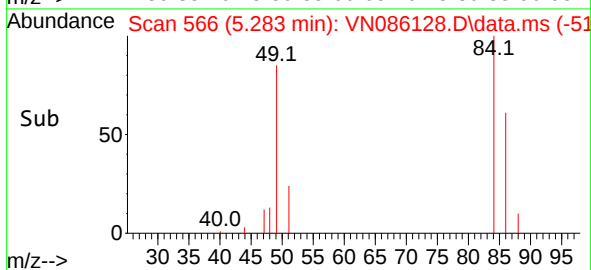
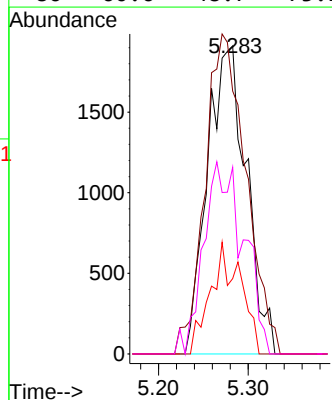
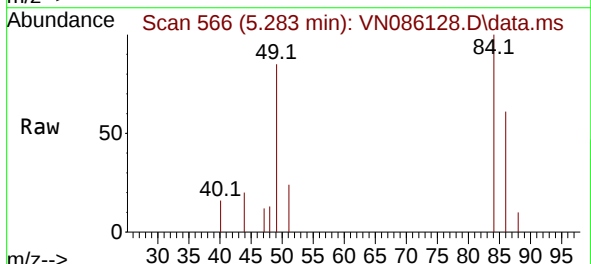
Instrument :
MSVOA_N
ClientSampleId :
WC-2

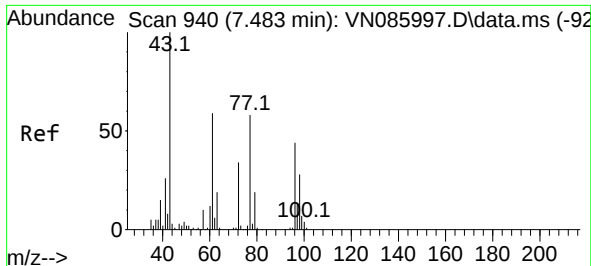
Tgt Ion: 43 Resp: 1697
Ion Ratio Lower Upper
43 100
74 21.4 23.9 35.9#



#20
Methylene Chloride
Concen: 2.627 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

Tgt Ion: 84 Resp: 5757
Ion Ratio Lower Upper
84 100
49 85.3 83.3 124.9
51 24.4 24.8 37.2#
86 60.6 48.7 73.1

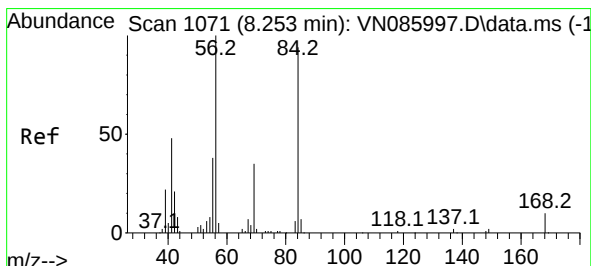
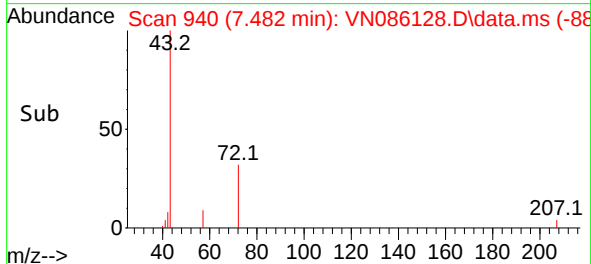
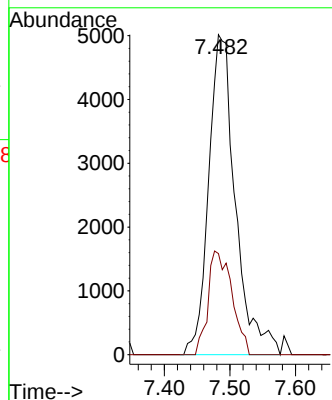
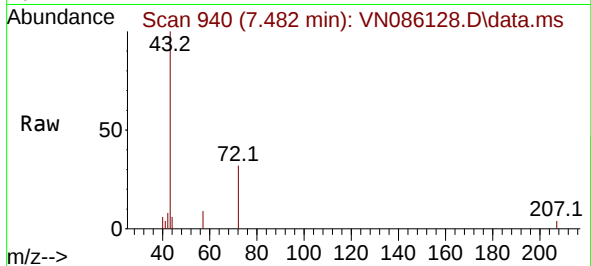




#25
2-Butanone
Concen: 13.156 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

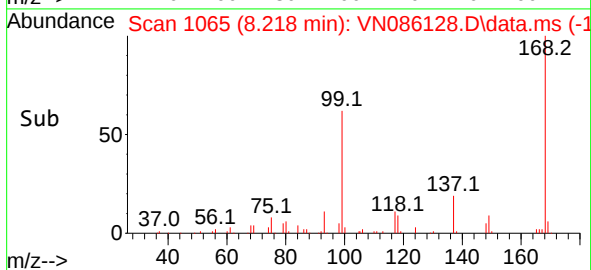
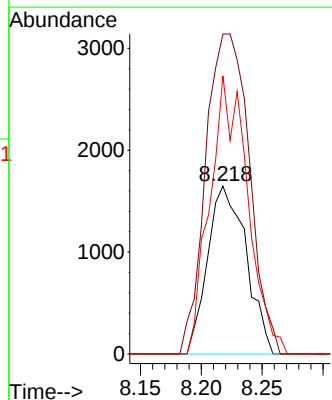
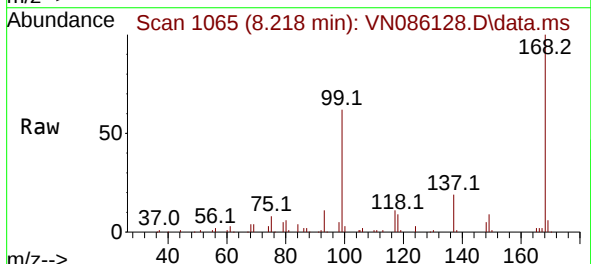
Instrument :
MSVOA_N
ClientSampleId :
WC-2

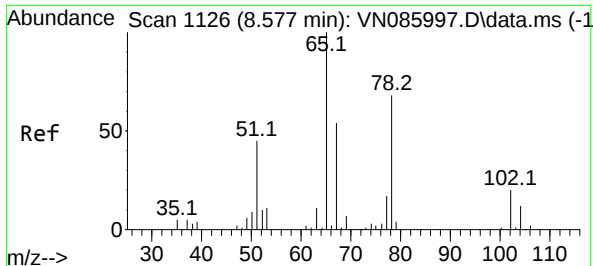
Tgt Ion: 43 Resp: 14222
Ion Ratio Lower Upper
43 100
72 31.6 27.4 41.0



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.036 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

Tgt Ion: 56 Resp: 3622
Ion Ratio Lower Upper
56 100
69 190.5 28.0 42.0#
84 165.7 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 55.515 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086128.D

Acq: 26 Mar 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

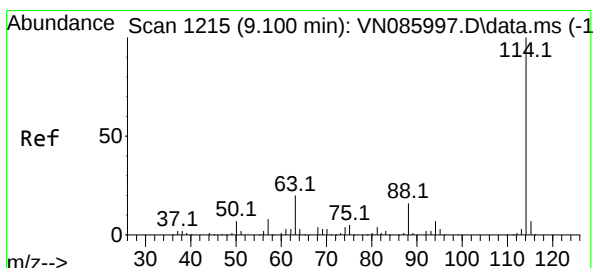
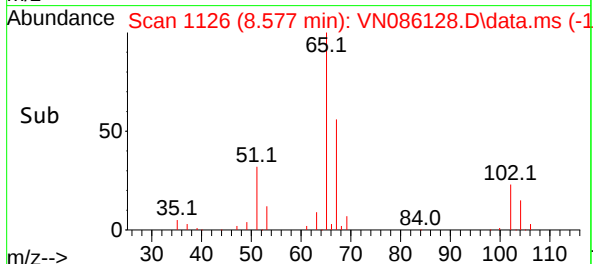
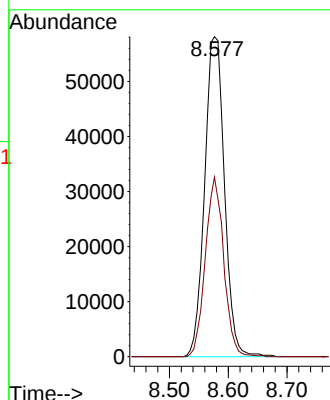
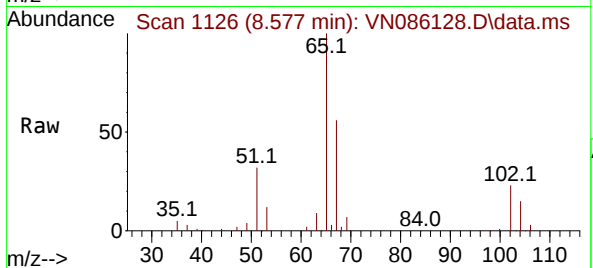
WC-2

Tgt Ion: 65 Resp: 136135

Ion Ratio Lower Upper

65 100

67 52.2 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086128.D

Acq: 26 Mar 2025 16:00

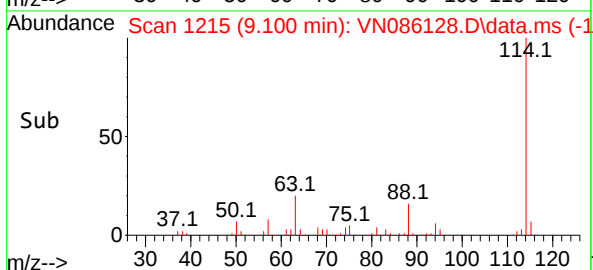
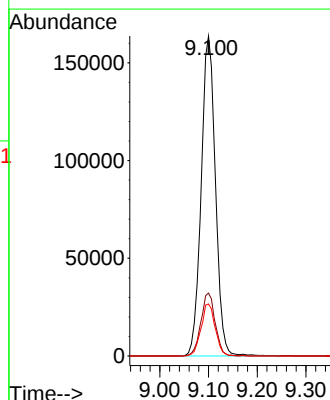
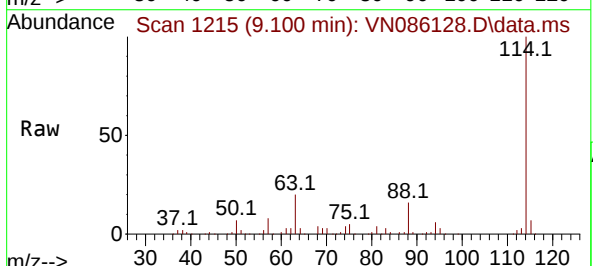
Tgt Ion: 114 Resp: 333061

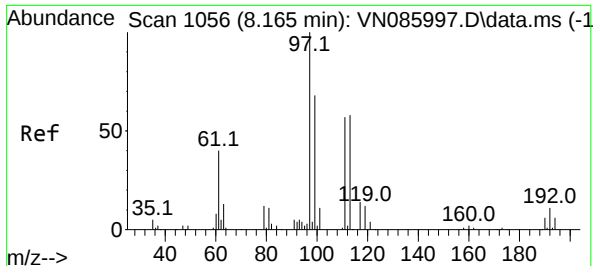
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.393 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086128.D

Acq: 26 Mar 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

WC-2

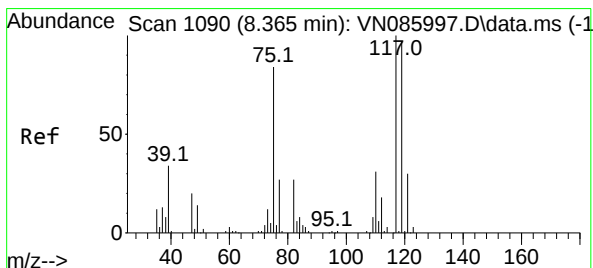
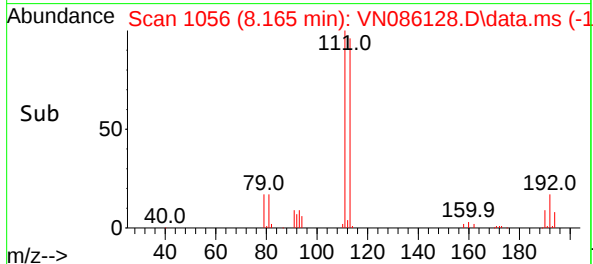
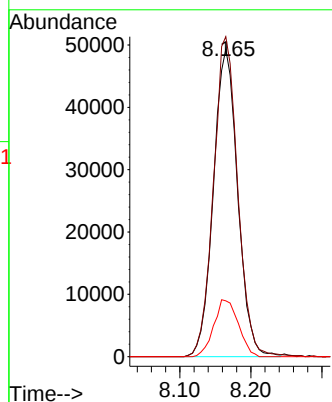
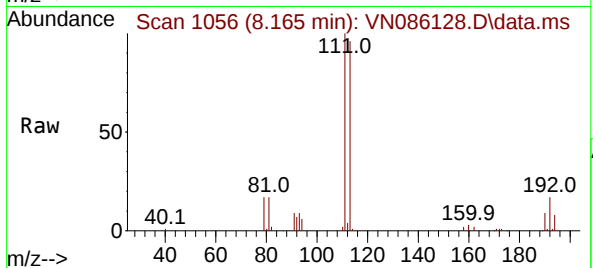
Tgt Ion:113 Resp: 117150

Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.8

192 18.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.626 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086128.D

Acq: 26 Mar 2025 16:00

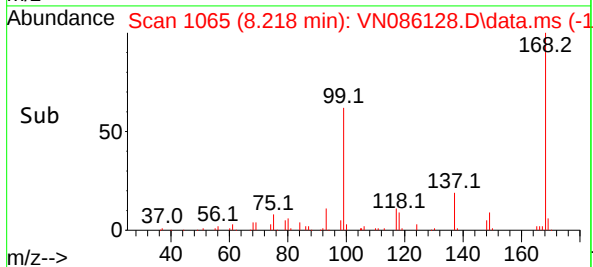
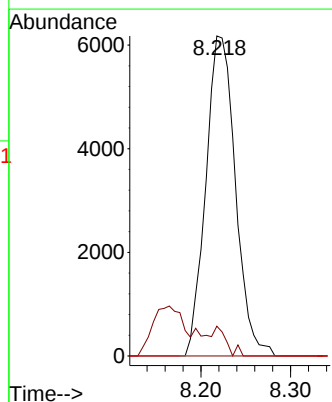
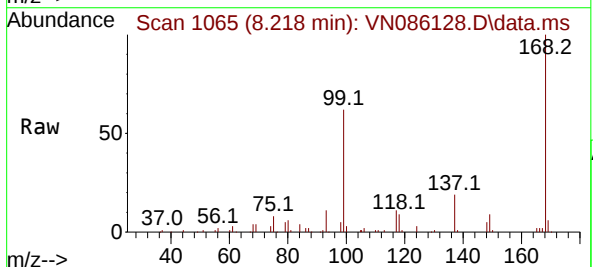
Tgt Ion: 75 Resp: 14160

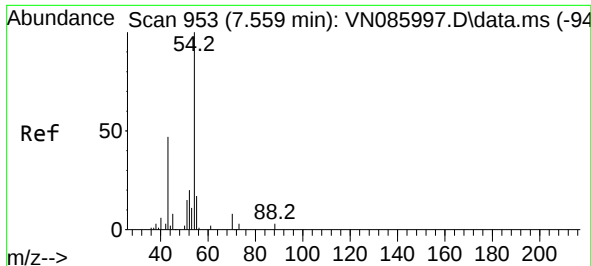
Ion Ratio Lower Upper

75 100

110 3.8 17.8 53.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 5.507 ug/l

RT: 7.482 min Scan# 94

Delta R.T. -0.077 min

Lab File: VN086128.D

Acq: 26 Mar 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

WC-2

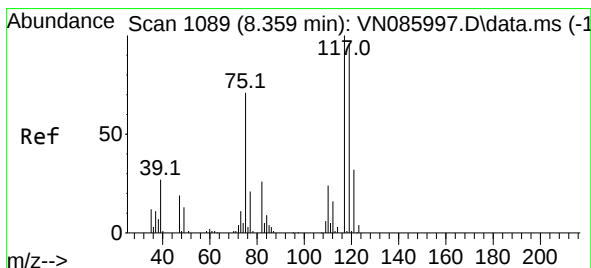
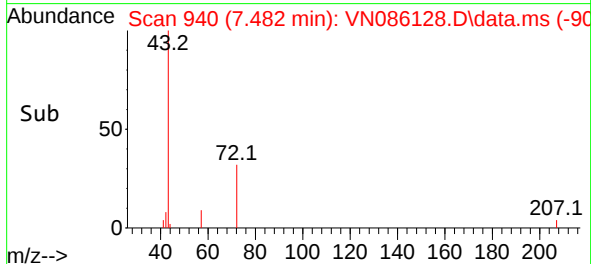
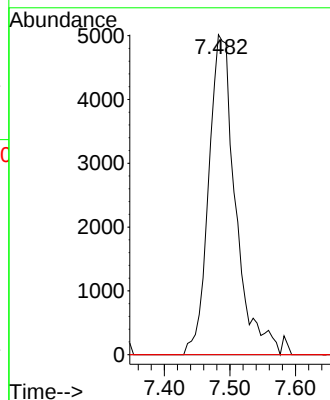
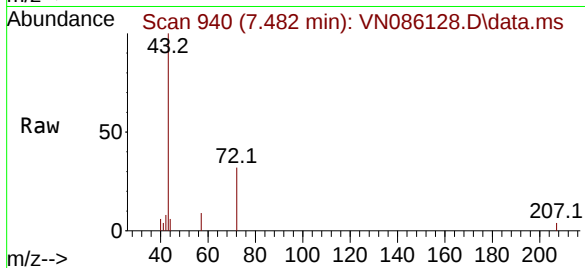
Tgt Ion: 43 Resp: 14222

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 11.0 16.6#



#38

Carbon Tetrachloride

Concen: 4.731 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.136 min

Lab File: VN086128.D

Acq: 26 Mar 2025 16:00

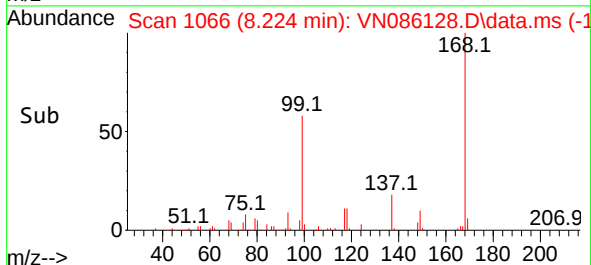
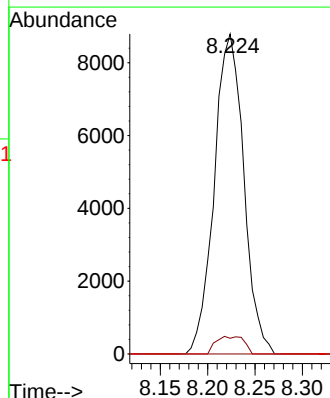
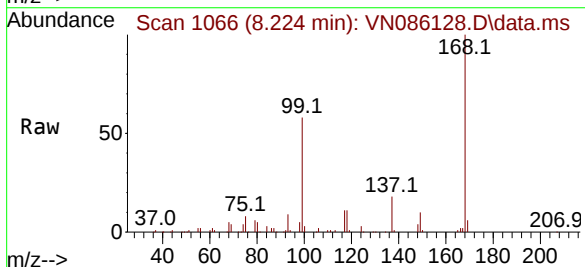
Tgt Ion: 117 Resp: 19043

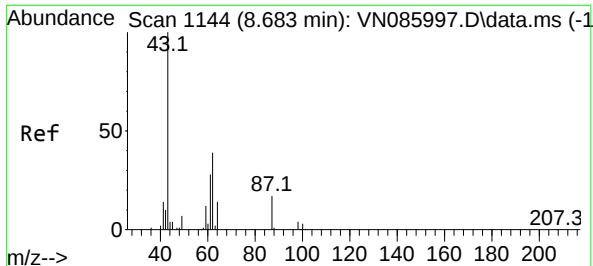
Ion Ratio Lower Upper

117 100

119 4.9 77.0 115.4#

121 0.0 25.6 38.4#

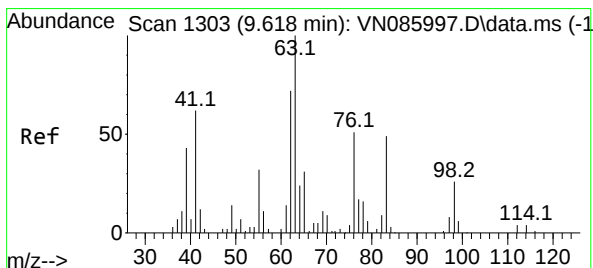
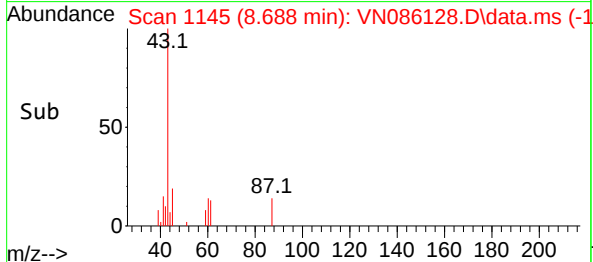
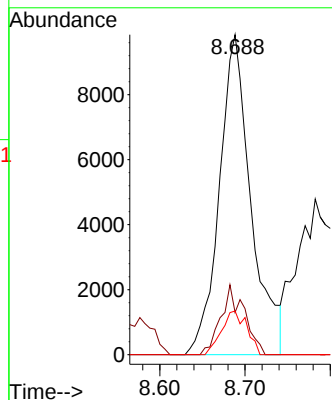
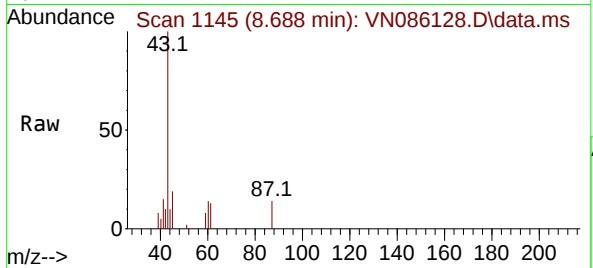




#43
Isopropyl Acetate
Concen: 4.551 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

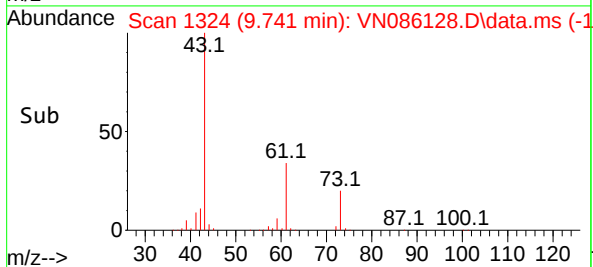
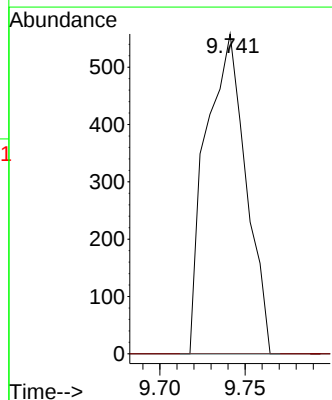
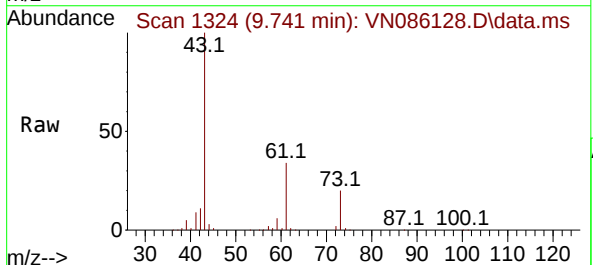
Instrument :
MSVOA_N
ClientSampleId :
WC-2

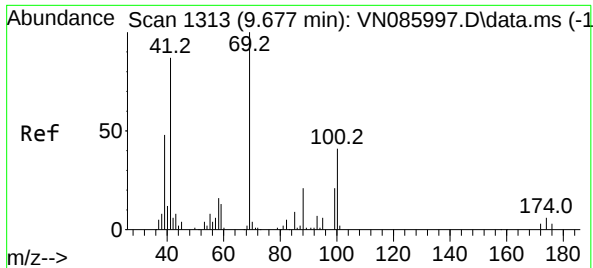
Tgt Ion: 43 Resp: 25465
Ion Ratio Lower Upper
43 100
61 16.3 25.0 37.6#
87 10.9 13.0 19.4#



#45
1,2-Dichloropropane
Concen: 0.417 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

Tgt Ion: 63 Resp: 911
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

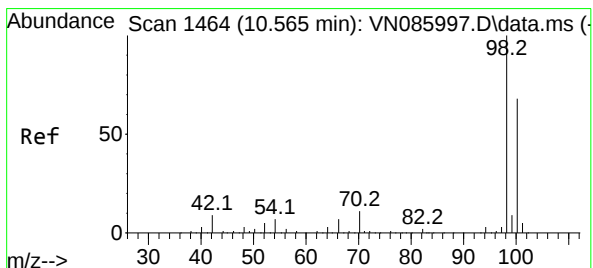
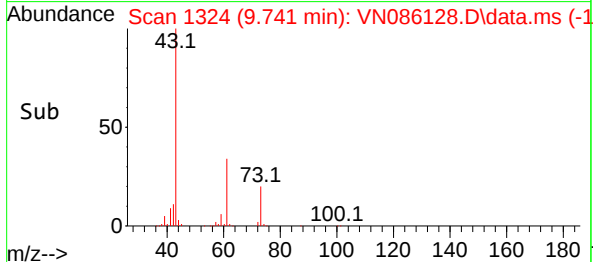
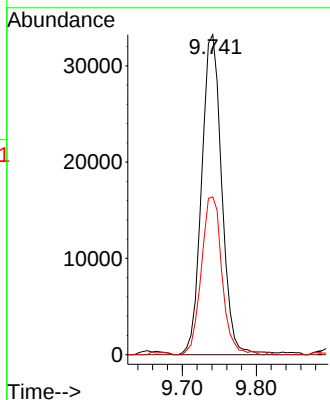
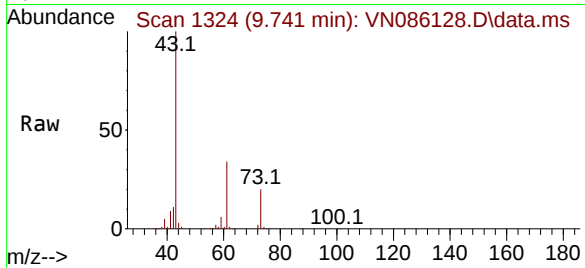




#48
Methyl methacrylate
Concen: 33.916 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.064 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

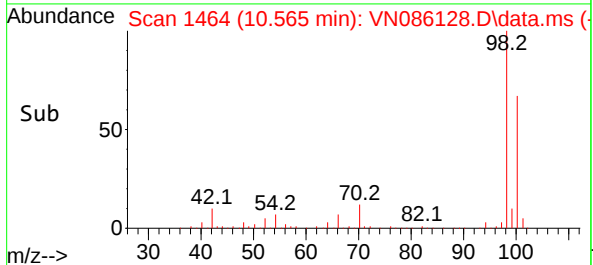
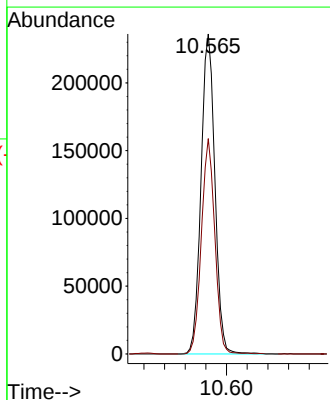
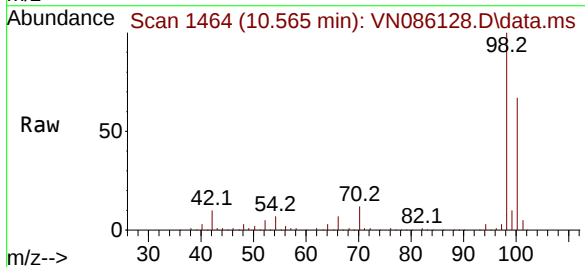
Instrument :
MSVOA_N
ClientSampleId :
WC-2

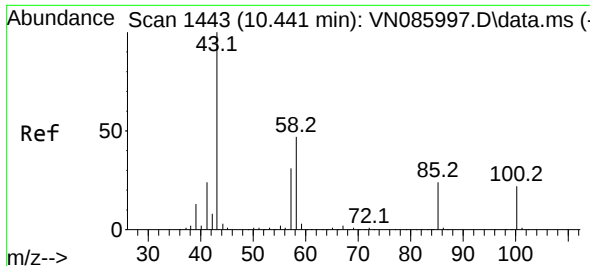
Tgt Ion: 41 Resp: 62630
Ion Ratio Lower Upper
41 100
69 0.0 83.1 124.7#
39 50.5 45.6 68.4



#50
Toluene-d8
Concen: 52.021 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

Tgt Ion: 98 Resp: 438908
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7

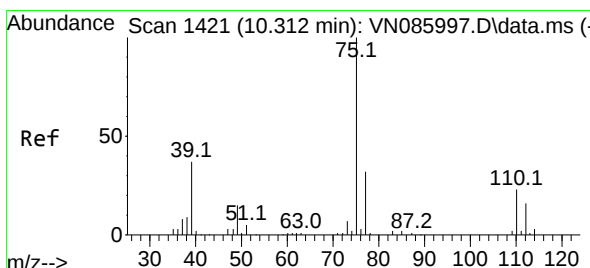
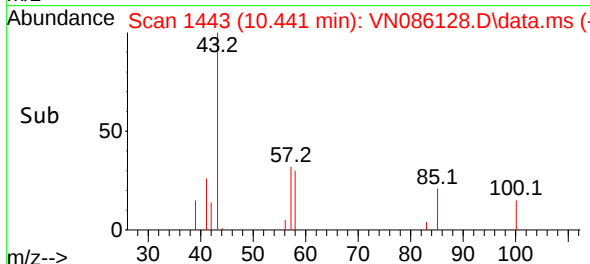
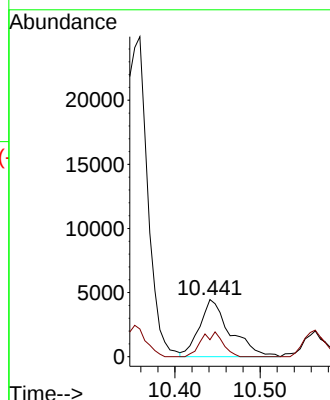
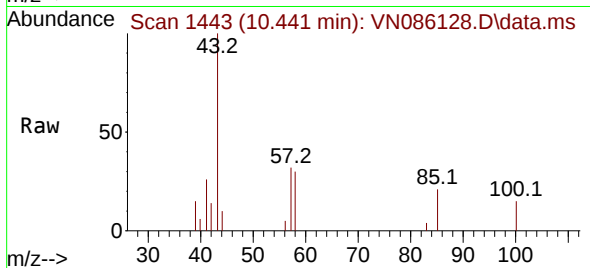




#51
4-Methyl-2-Pentanone
Concen: 4.523 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

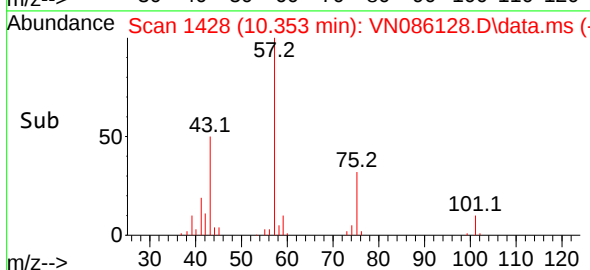
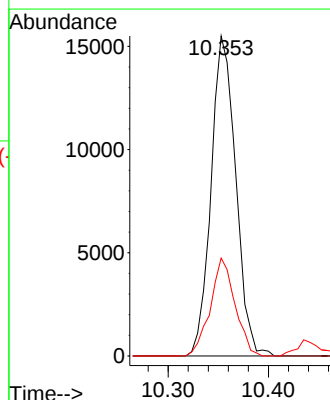
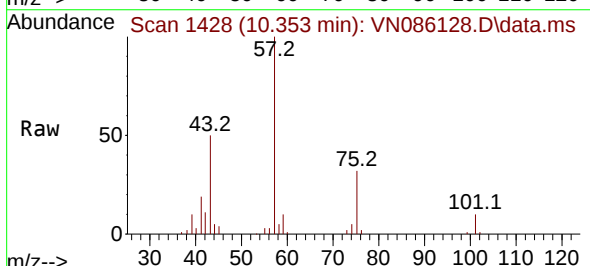
Instrument :
MSVOA_N
ClientSampleId :
WC-2

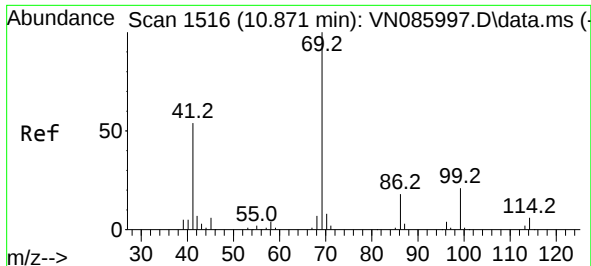
Tgt Ion: 43 Resp: 11162
Ion Ratio Lower Upper
43 100
58 30.4 37.4 56.0#



#54
cis-1,3-Dichloropropene
Concen: 7.188 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

Tgt Ion: 75 Resp: 26458
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 30.6 29.6 44.4

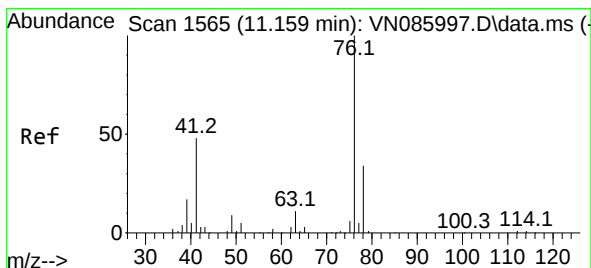
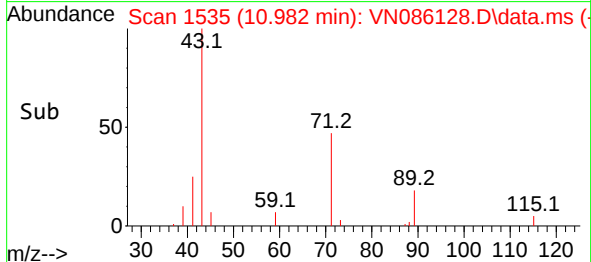
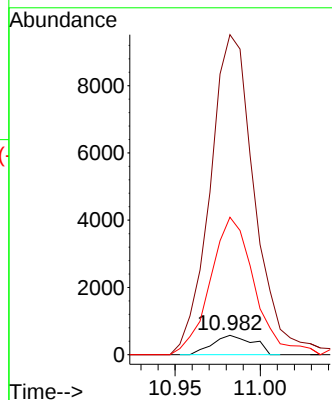
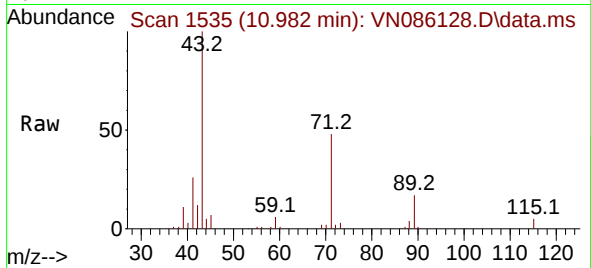




#56
Ethyl methacrylate
Concen: 0.523 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

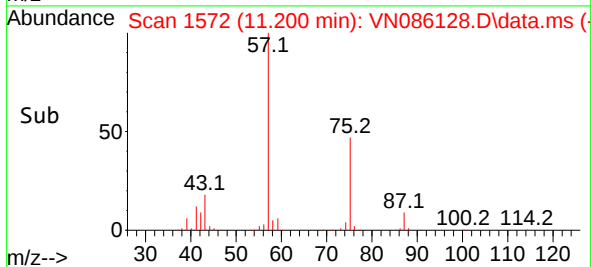
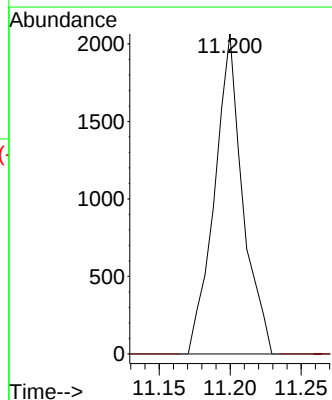
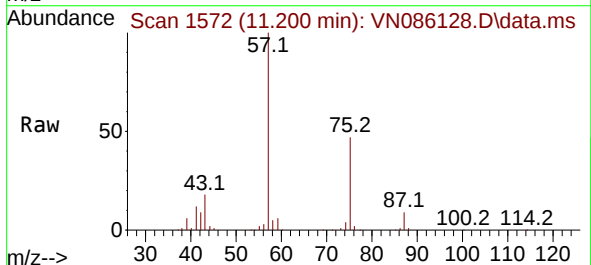
Instrument :
MSVOA_N
ClientSampleId :
WC-2

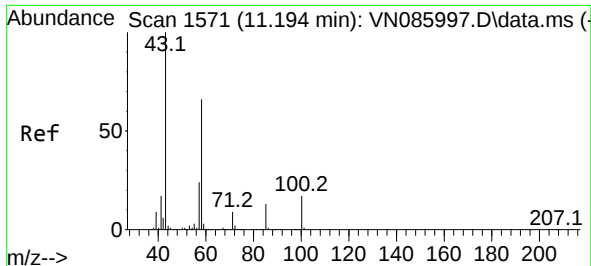
Tgt Ion: 69 Resp: 951
Ion Ratio Lower Upper
69 100
41 1825.6 41.6 62.4#
39 776.1 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 0.746 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

Tgt Ion: 76 Resp: 2852
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

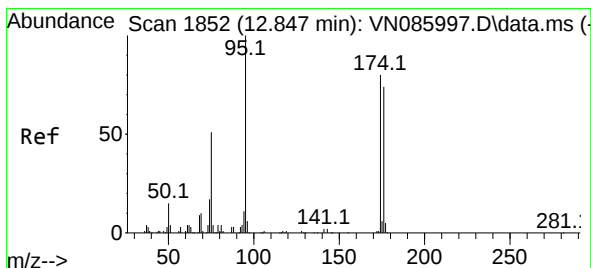
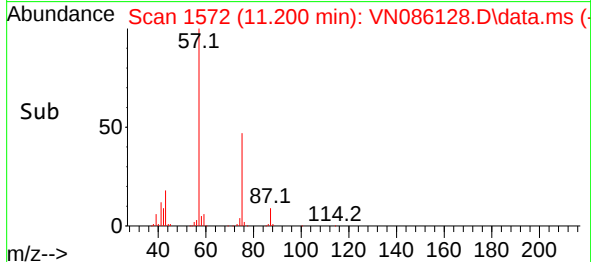
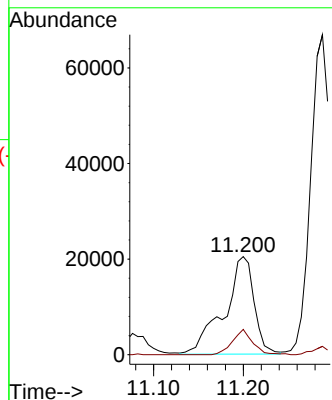
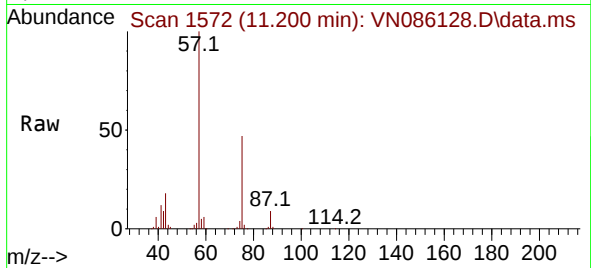




#59
2-Hexanone
Concen: 26.348 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

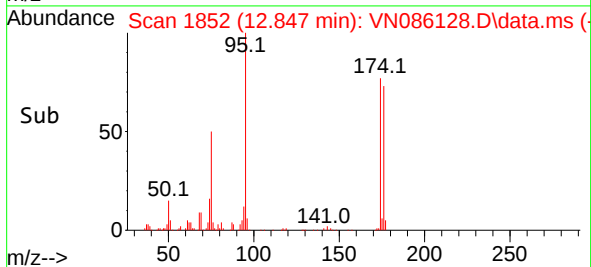
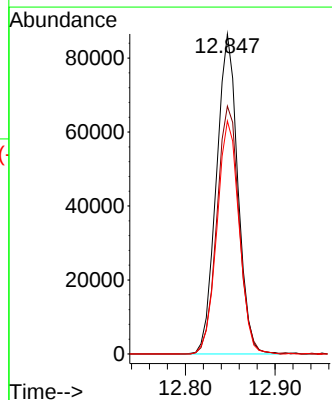
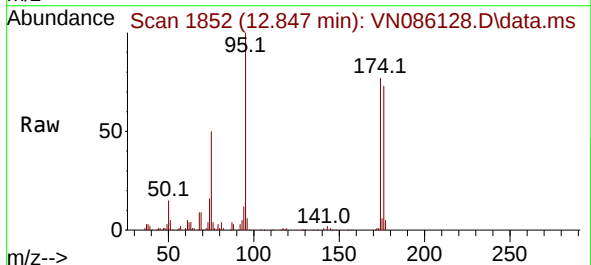
Instrument :
MSVOA_N
ClientSampleId :
WC-2

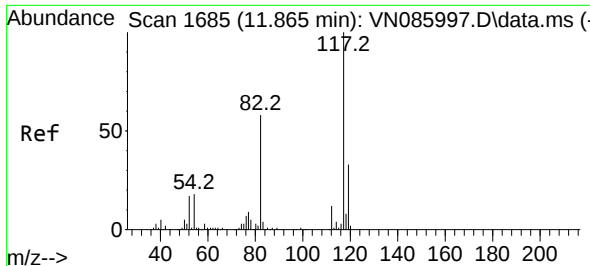
Tgt Ion: 43 Resp: 47372
Ion Ratio Lower Upper
43 100
58 17.5 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 47.789 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

Tgt Ion: 95 Resp: 143793
Ion Ratio Lower Upper
95 100
174 80.3 0.0 156.8
176 75.0 0.0 152.2

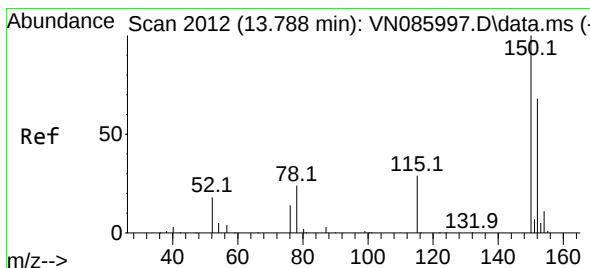
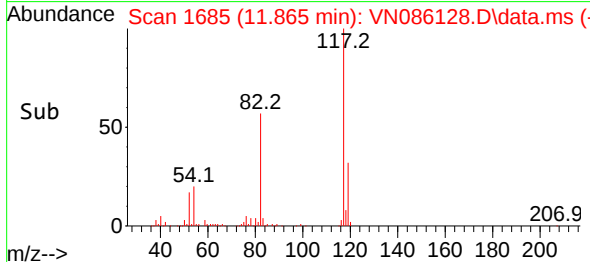
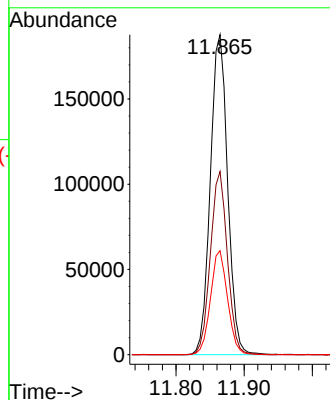
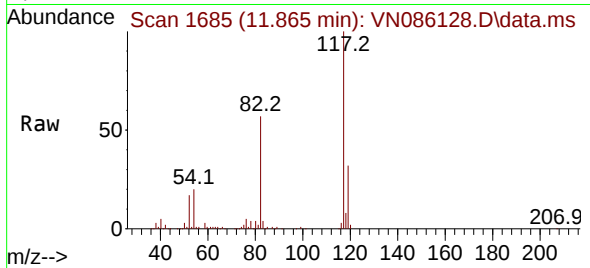




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

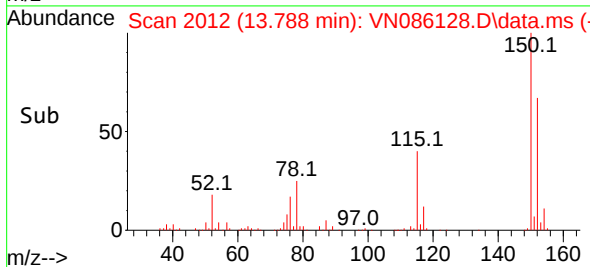
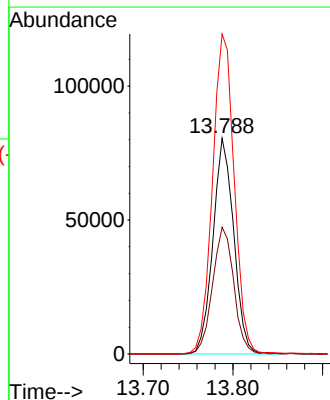
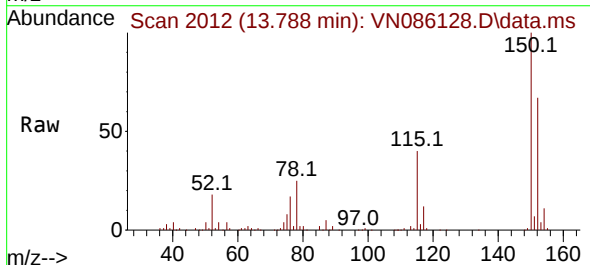
Instrument :
MSVOA_N
ClientSampleId :
WC-2

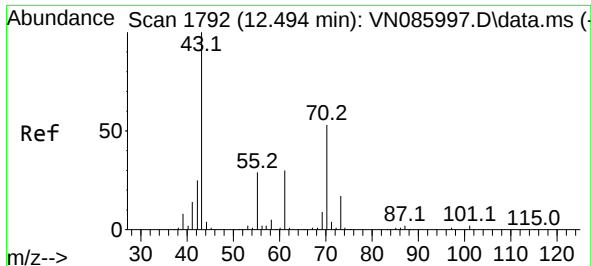
Tgt Ion:117 Resp: 331934
Ion Ratio Lower Upper
117 100
82 57.3 46.7 70.1
119 32.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

Tgt Ion:152 Resp: 129360
Ion Ratio Lower Upper
152 100
115 60.1 31.1 93.2
150 155.6 0.0 359.6

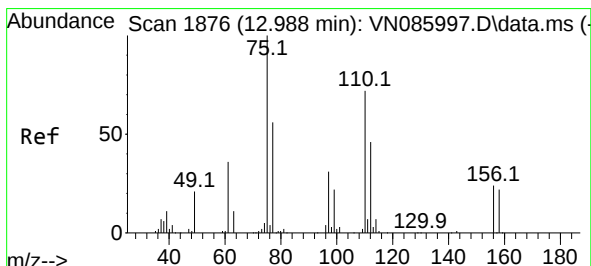
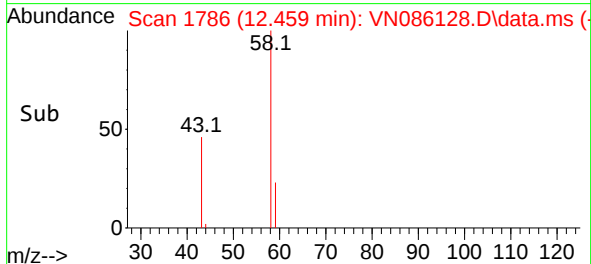
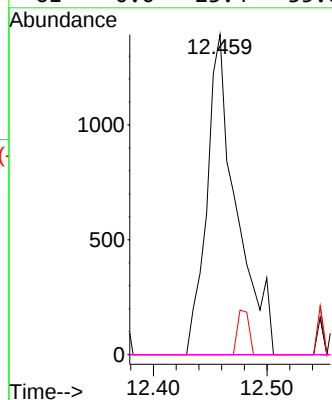
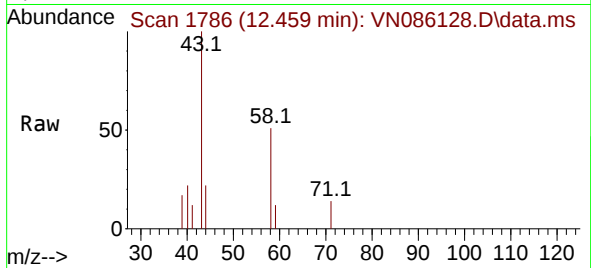




#74
N-amy1 acetate
Concen: 0.849 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.036 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

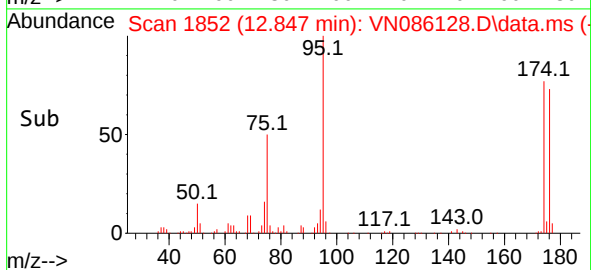
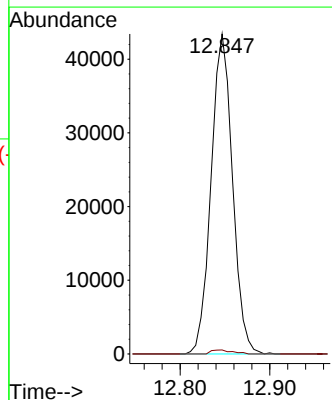
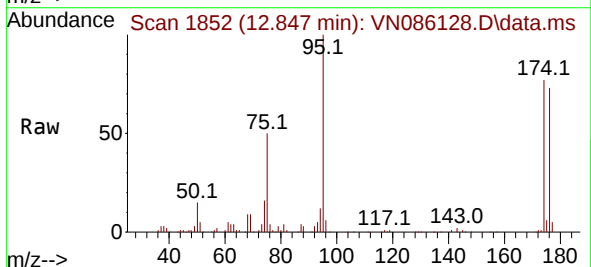
Instrument :
MSVOA_N
ClientSampleId :
WC-2

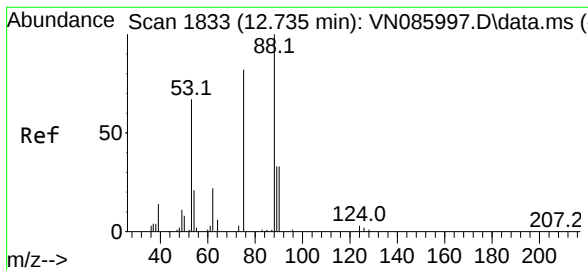
Tgt Ion:	43	Resp:	2509
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.0	64.4#
55	5.3	23.8	35.8#
61	0.0	23.4	35.0#



#76
1,2,3-Trichloropropane
Concen: 24.849 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086128.D
Acq: 26 Mar 2025 16:00

Tgt Ion:	75	Resp:	71966
Ion	Ratio	Lower	Upper
75	100		
77	1.2	83.7	251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.697 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086128.D
 Acq: 26 Mar 2025 16:00

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2

Tgt Ion: 75 Resp: 71966
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.0 99.0#
 89 0.0 36.9 55.3#

