

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086975.D
 Acq On : 12 Jun 2025 14:23
 Operator : JC\MD
 Sample : Q2280-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-210

Quant Time: Jun 13 01:28:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

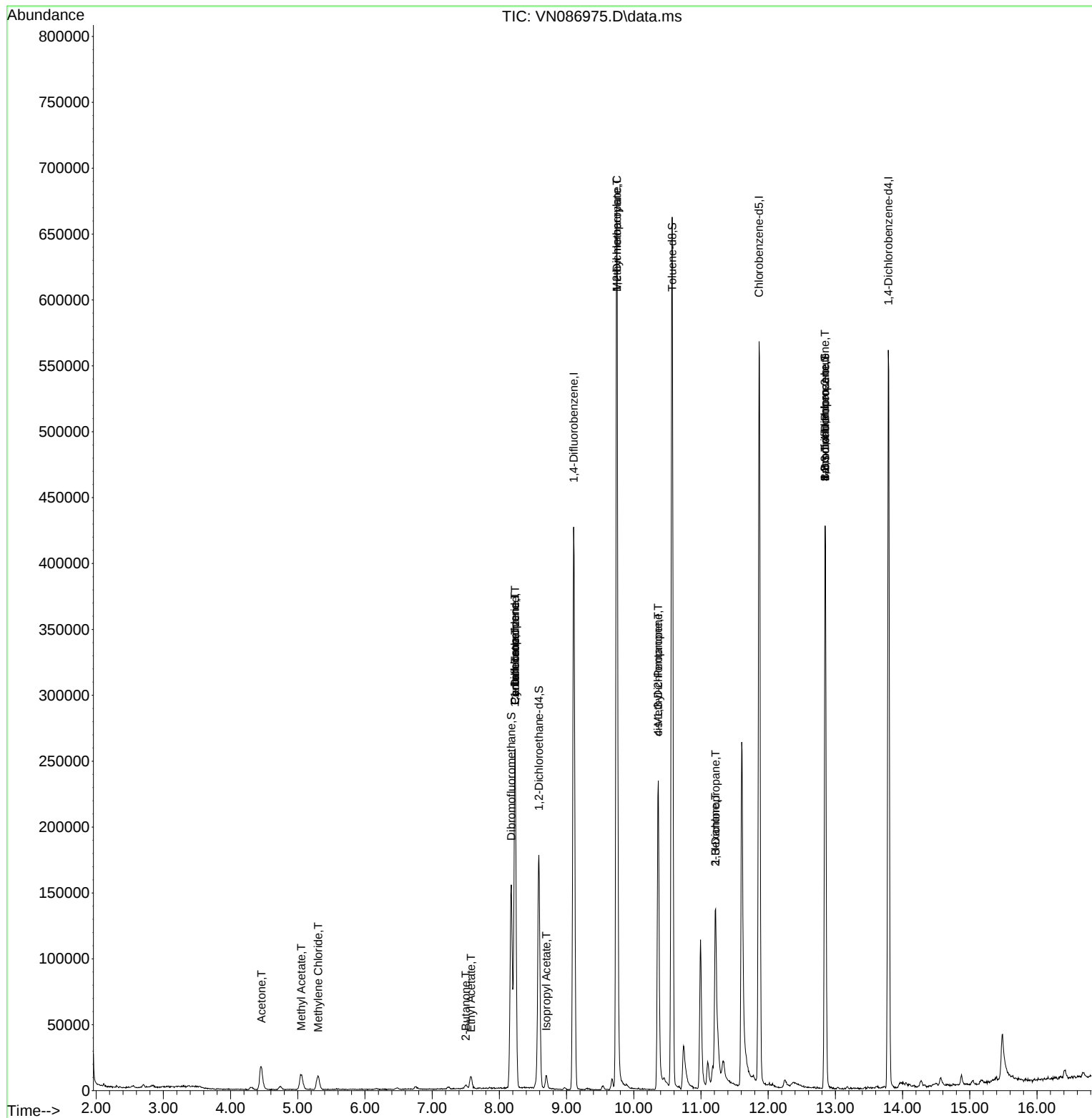
Internal Standards						
1) Pentafluorobenzene	8.236	168	206378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	395714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	351799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	164565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	142576	51.599	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.200%			
35) Dibromofluoromethane	8.177	113	119102	50.788	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.580%			
50) Toluene-d8	10.571	98	487842	52.549	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.100%			
62) 4-Bromofluorobenzene	12.847	95	170610	49.465	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.920%			
Target Compounds					Qvalue	
16) Acetone	4.459	43	36586	24.968	ug/l	99
18) Methyl Acetate	5.053	43	26484	6.202	ug/l	99
20) Methylene Chloride	5.306	84	9317	3.396	ug/l	93
25) 2-Butanone	7.500	43	5341	2.242	ug/l	99
31) Cyclohexane	8.236	56	3805	0.849	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	15429	4.415	ug/l #	49
37) Ethyl Acetate	7.577	43	14677	3.299	ug/l	99
38) Carbon Tetrachloride	8.236	117	20101	5.859	ug/l #	17
43) Isopropyl Acetate	8.700	43	10728	1.503	ug/l #	91
45) 1,2-Dichloropropane	9.747	63	936	0.337	ug/l #	43
48) Methyl methacrylate	9.747	41	57126	17.384	ug/l #	36
51) 4-Methyl-2-Pentanone	10.365	43	93059	21.651	ug/l #	45
54) cis-1,3-Dichloropropene	10.365	75	56442	12.417	ug/l #	56
57) 1,3-Dichloropropane	11.218	76	2591	0.556	ug/l #	43
59) 2-Hexanone	11.212	43	29900	10.800	ug/l #	51
71) Bromoform	12.847	173	842	0.456	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	79095	20.220	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	79095	46.545	ug/l #	16

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

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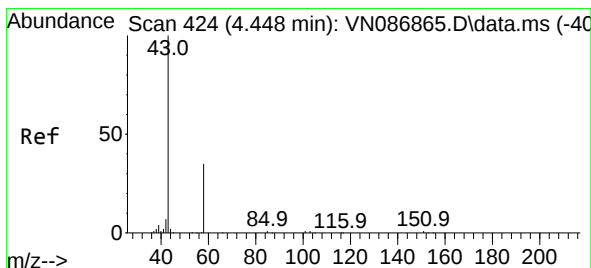
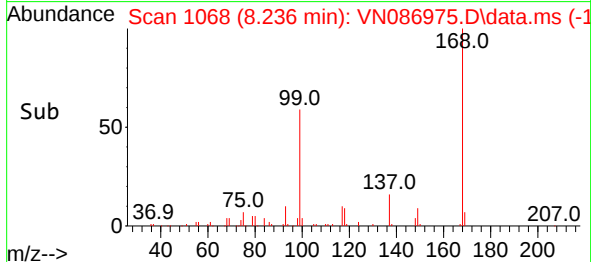
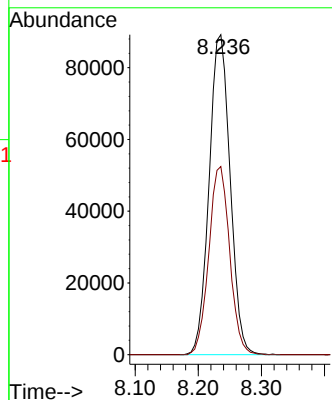
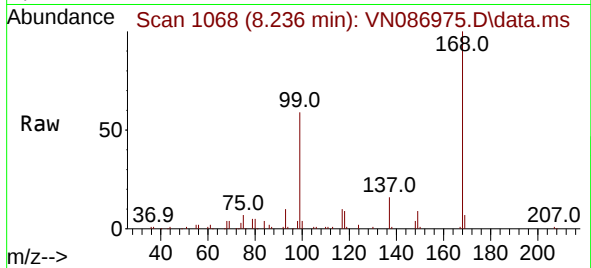




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

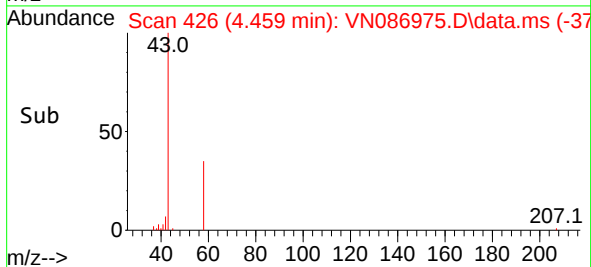
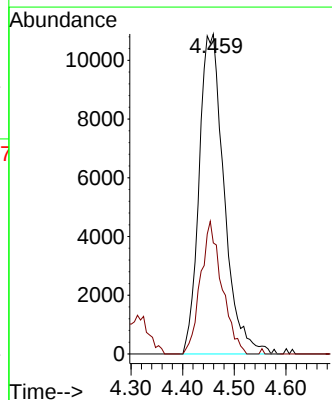
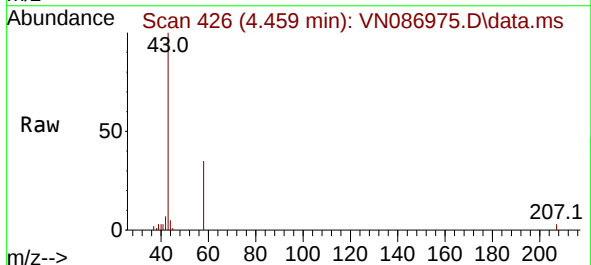
Instrument :
MSVOA_N
ClientSampleId :
VNJ-210

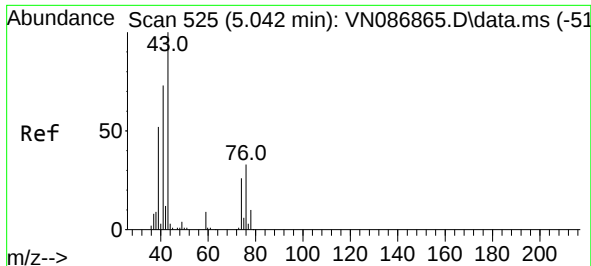
Tgt Ion:168 Resp: 206378
Ion Ratio Lower Upper
168 100
99 58.8 49.1 73.7



#16
Acetone
Concen: 24.968 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

Tgt Ion: 43 Resp: 36586
Ion Ratio Lower Upper
43 100
58 34.7 28.0 42.0

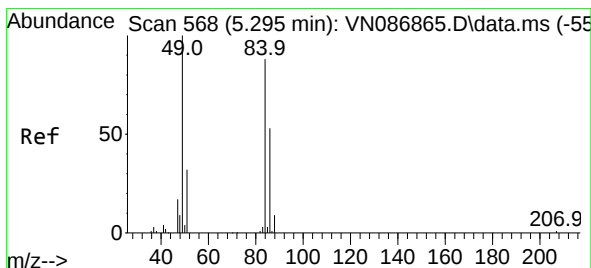
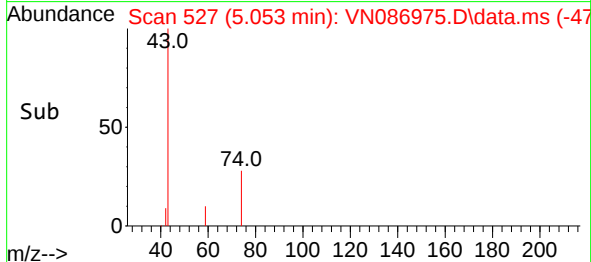
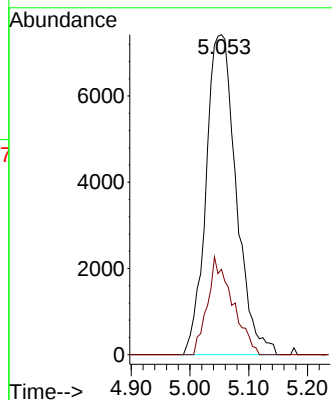
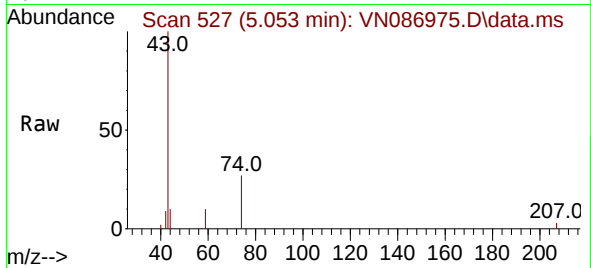




#18
Methyl Acetate
Concen: 6.202 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

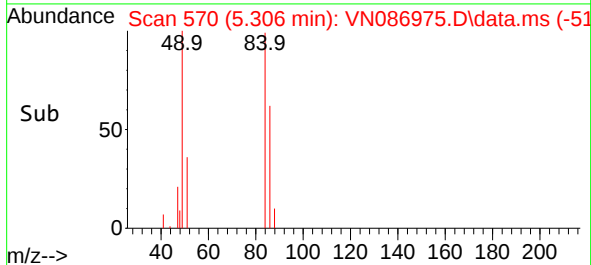
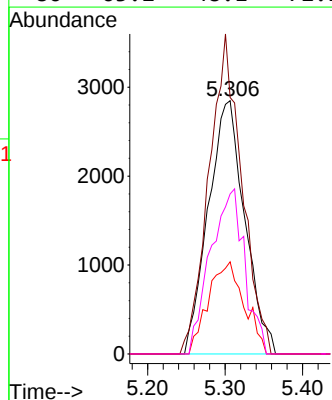
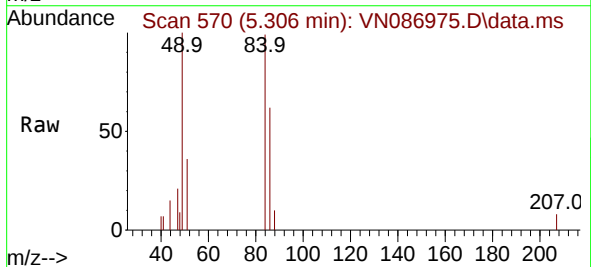
Instrument :
MSVOA_N
ClientSampleId :
VNJ-210

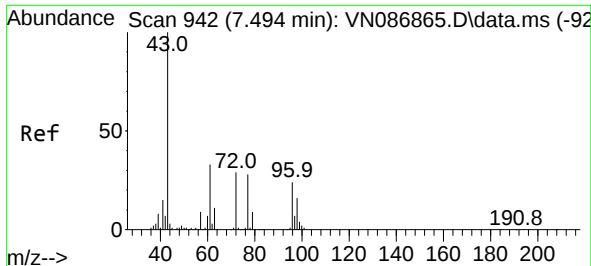
Tgt Ion: 43 Resp: 26484
Ion Ratio Lower Upper
43 100
74 25.3 20.7 31.1



#20
Methylene Chloride
Concen: 3.396 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

Tgt Ion: 84 Resp: 9317
Ion Ratio Lower Upper
84 100
49 101.2 90.5 135.7
51 36.4 28.5 42.7
86 63.2 48.1 72.1

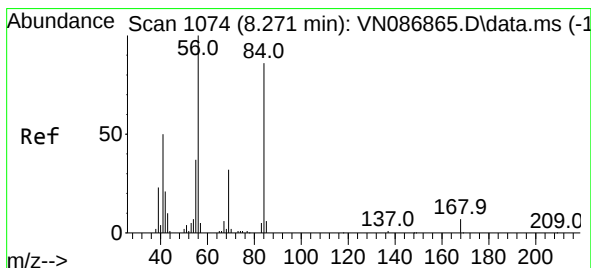
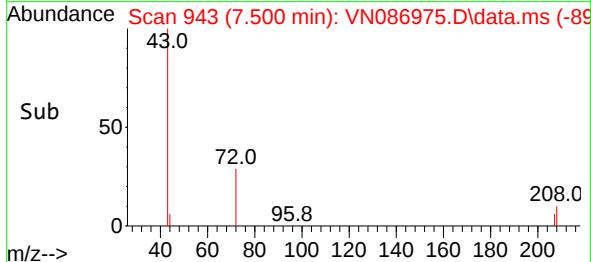
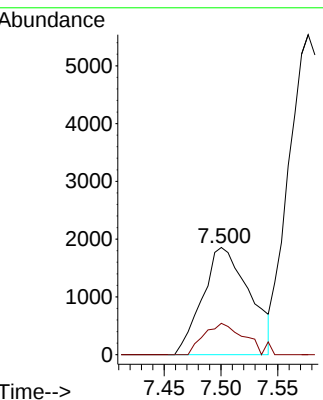
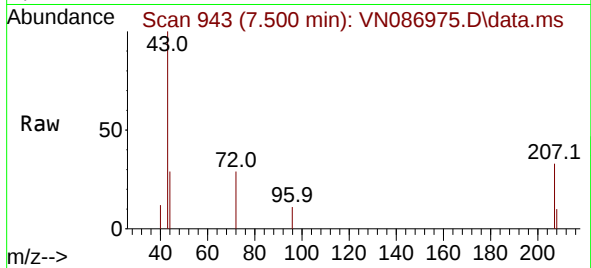




#25
2-Butanone
Concen: 2.242 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

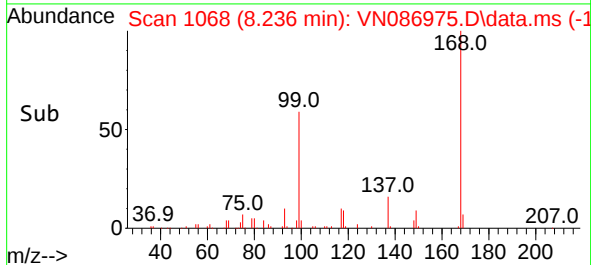
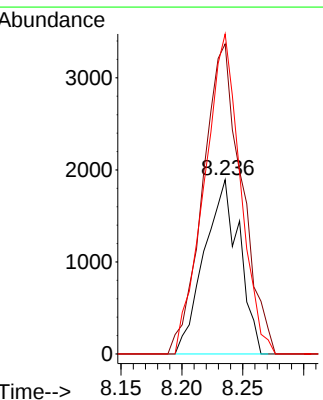
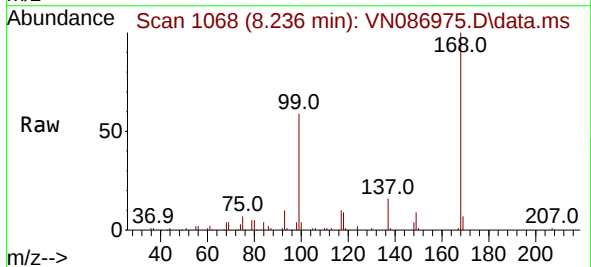
Instrument :
MSVOA_N
ClientSampleId :
VNJ-210

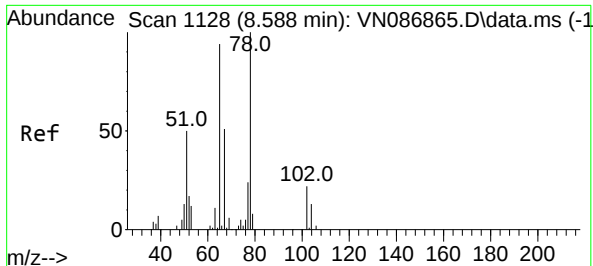
Tgt Ion: 43 Resp: 5341
Ion Ratio Lower Upper
43 100
72 29.2 23.0 34.6



#31
Cyclohexane
Concen: 0.849 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

Tgt Ion: 56 Resp: 3805
Ion Ratio Lower Upper
56 100
69 177.9 25.4 38.0#
84 183.6 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 51.599 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086975.D

Acq: 12 Jun 2025 14:23

Instrument :

MSVOA_N

ClientSampleId :

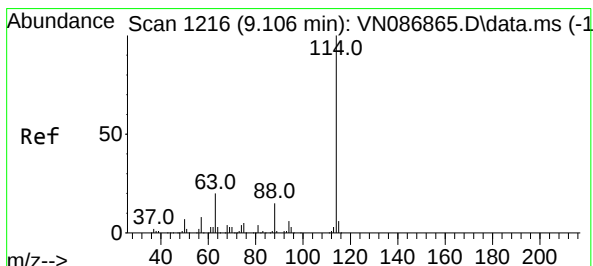
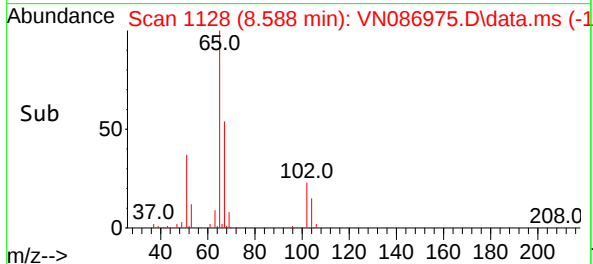
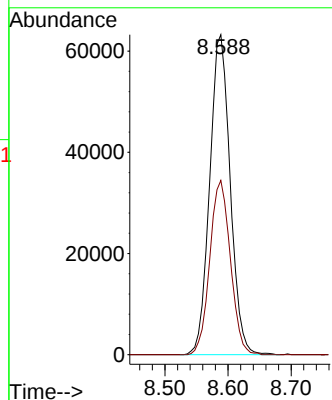
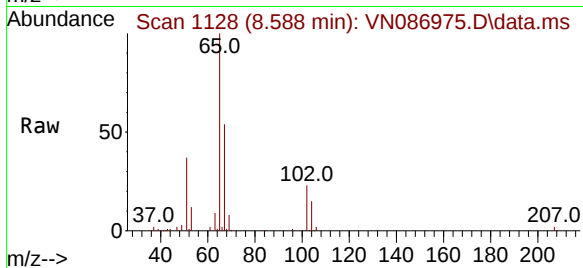
VNJ-210

Tgt Ion: 65 Resp: 142576

Ion Ratio Lower Upper

65 100

67 54.6 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086975.D

Acq: 12 Jun 2025 14:23

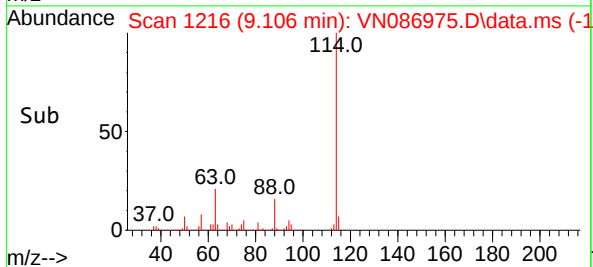
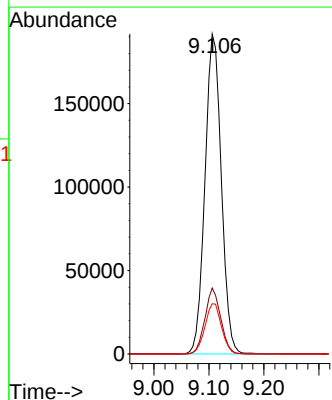
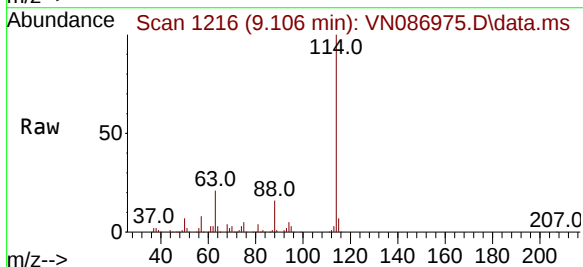
Tgt Ion: 114 Resp: 395714

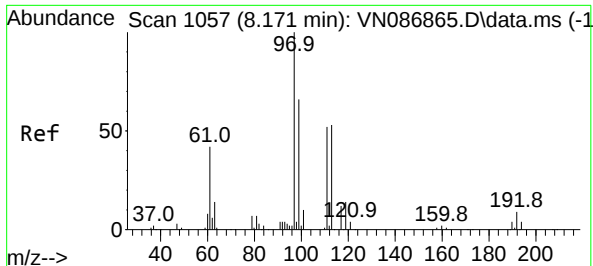
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.788 ug/l

RT: 8.177 min Scan# 110

Delta R.T. 0.006 min

Lab File: VN086975.D

Acq: 12 Jun 2025 14:23

Instrument :

MSVOA_N

ClientSampleId :

VNJ-210

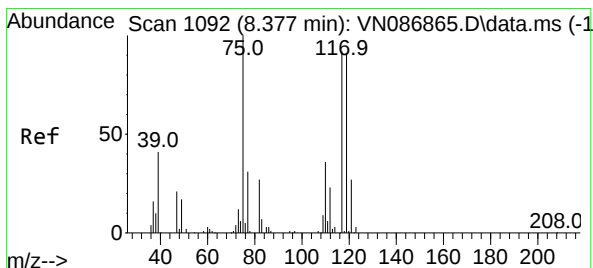
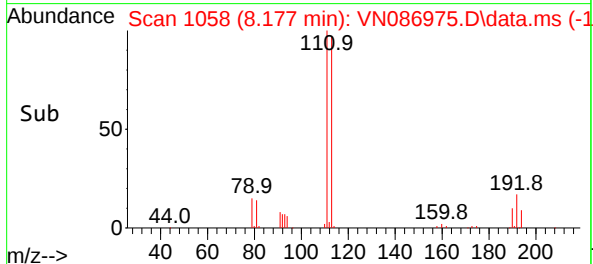
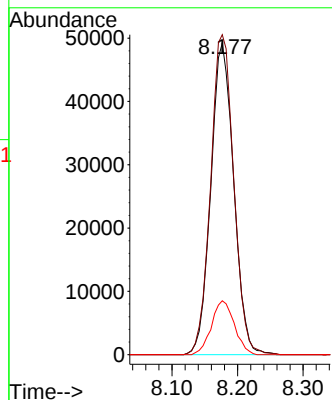
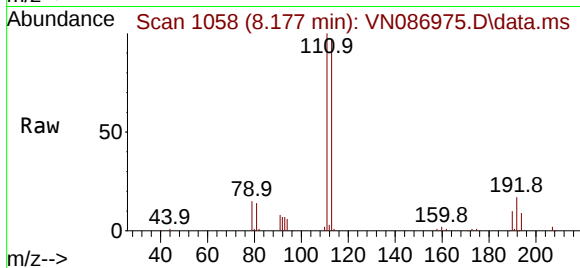
Tgt Ion:113 Resp: 119102

Ion Ratio Lower Upper

113 100

111 103.9 84.2 126.2

192 17.4 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.415 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN086975.D

Acq: 12 Jun 2025 14:23

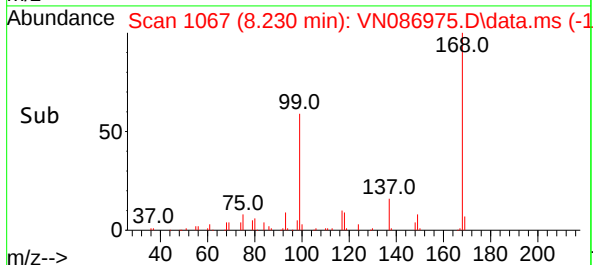
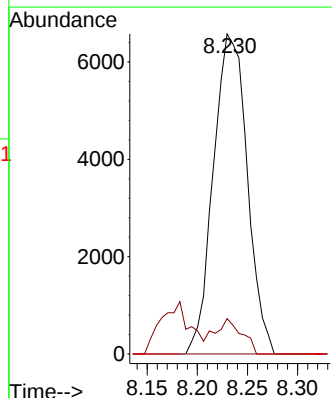
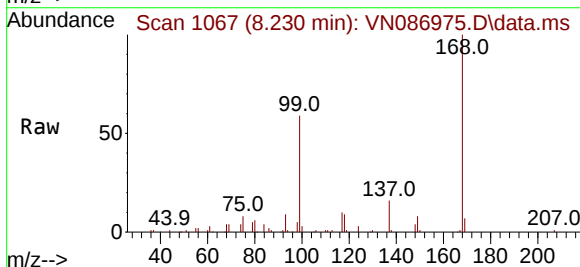
Tgt Ion: 75 Resp: 15429

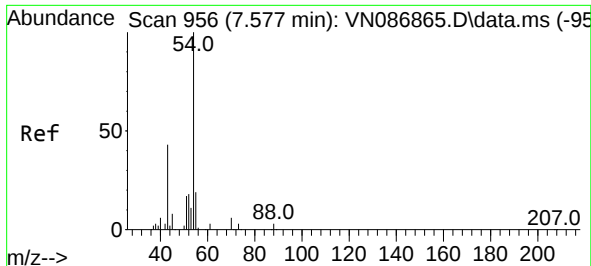
Ion Ratio Lower Upper

75 100

110 8.8 17.6 52.9#

77 0.0 25.3 37.9#

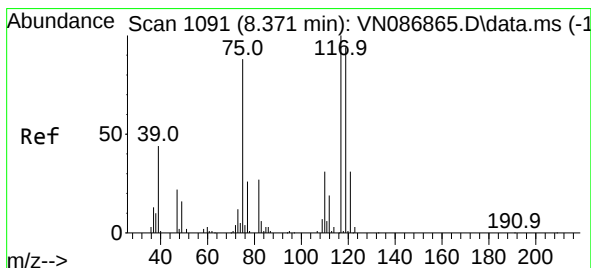
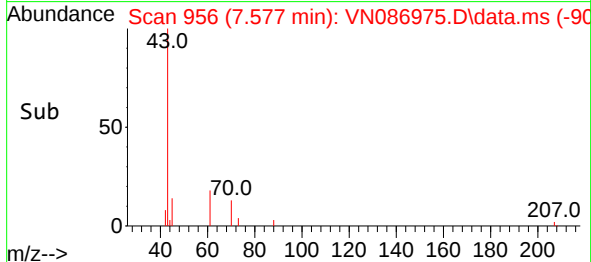
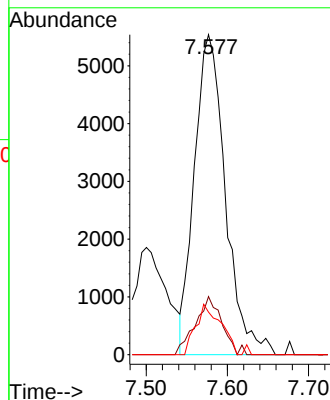
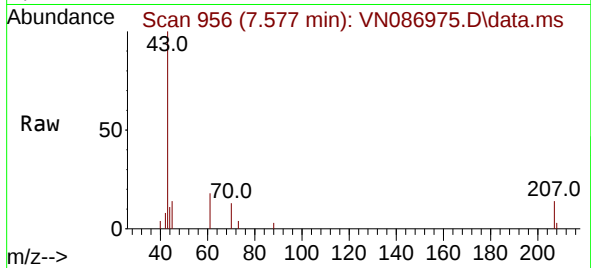




#37
Ethyl Acetate
Concen: 3.299 ug/l
RT: 7.577 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

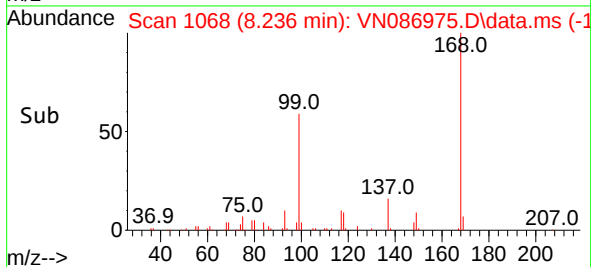
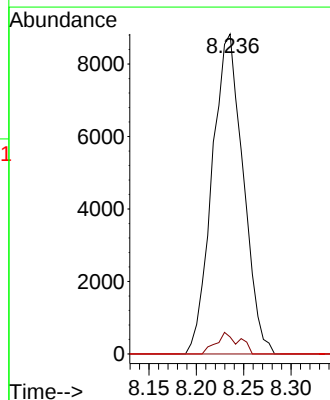
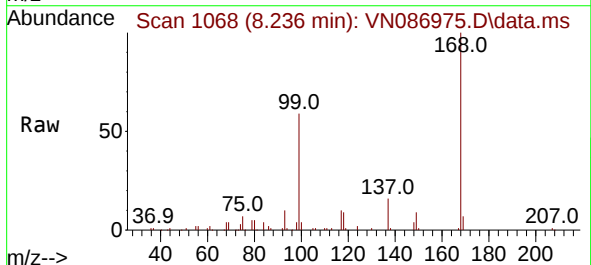
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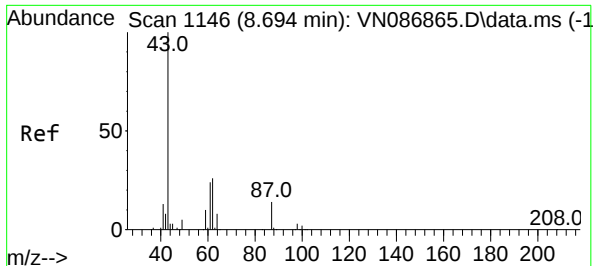
Tgt Ion:	43	Resp:	14677
Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.1	18.1
70	12.8	9.8	14.6



#38
Carbon Tetrachloride
Concen: 5.859 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

Tgt Ion:	117	Resp:	20101
Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.0	112.6#
121	0.0	24.9	37.3#

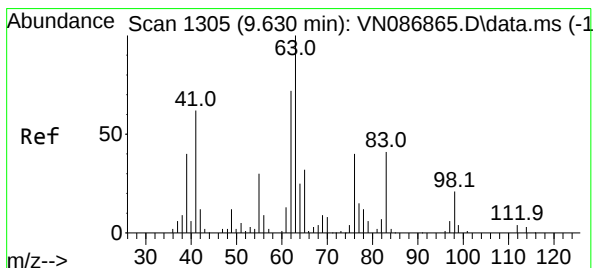
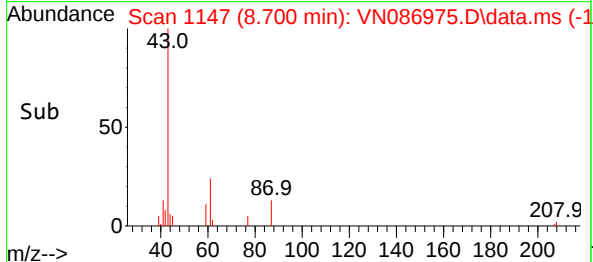
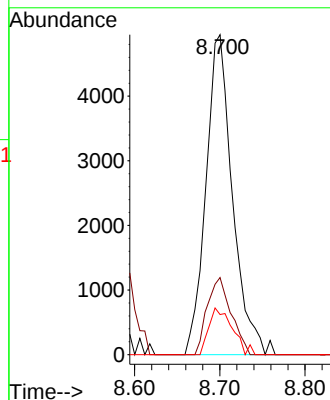
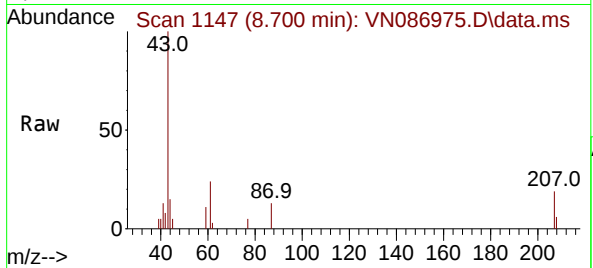




#43
Isopropyl Acetate
Concen: 1.503 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

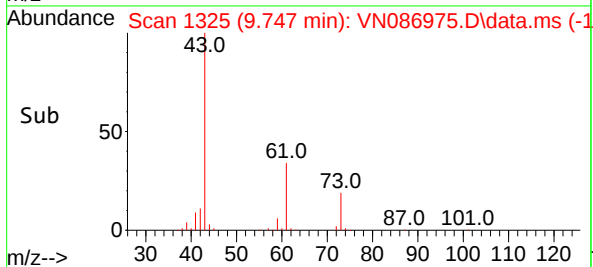
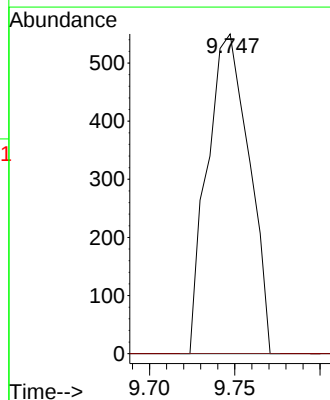
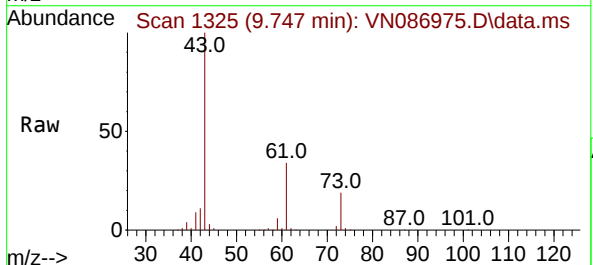
Instrument :
MSVOA_N
ClientSampleId :
VNJ-210

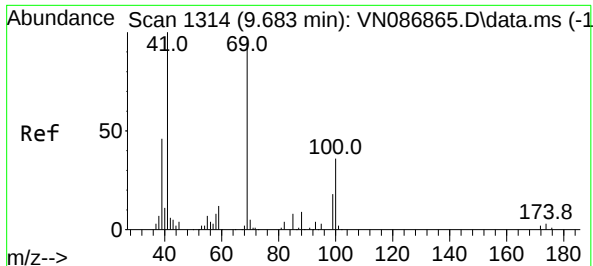
Tgt Ion: 43 Resp: 10728
Ion Ratio Lower Upper
43 100
61 21.7 22.1 33.1#
87 12.9 11.8 17.6



#45
1,2-Dichloropropane
Concen: 0.337 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.118 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

Tgt Ion: 63 Resp: 936
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#





#48

Methyl methacrylate

Concen: 17.384 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.065 min

Lab File: VN086975.D

Acq: 12 Jun 2025 14:23

Instrument :

MSVOA_N

ClientSampleId :

VNJ-210

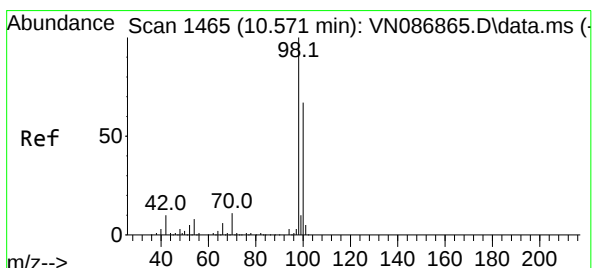
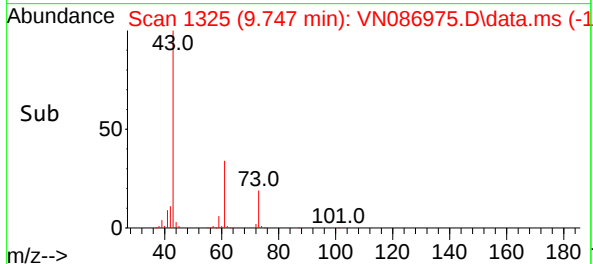
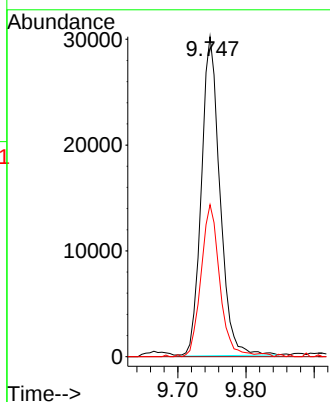
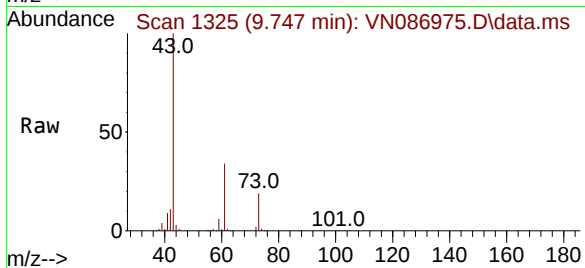
Tgt Ion: 41 Resp: 57126

Ion Ratio Lower Upper

41 100

69 0.0 74.6 112.0#

39 47.9 40.2 60.4



#50

Toluene-d8

Concen: 52.549 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN086975.D

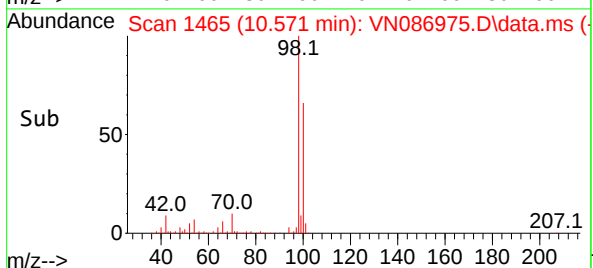
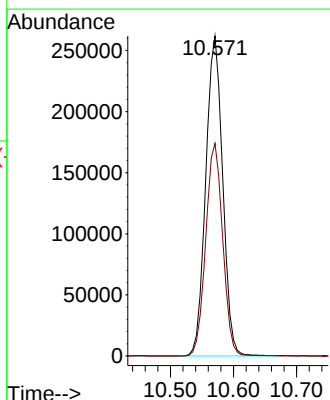
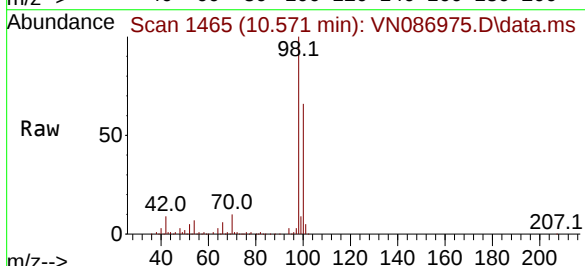
Acq: 12 Jun 2025 14:23

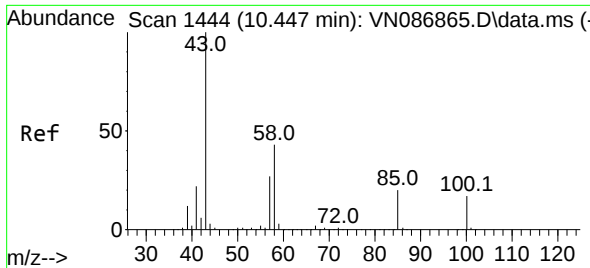
Tgt Ion: 98 Resp: 487842

Ion Ratio Lower Upper

98 100

100 66.6 53.4 80.0

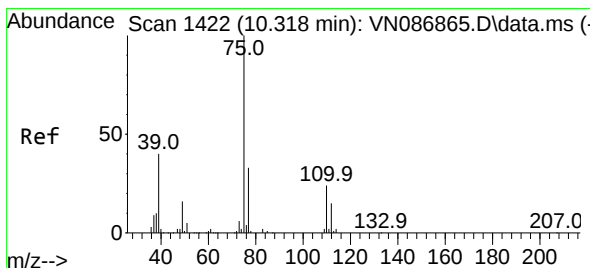
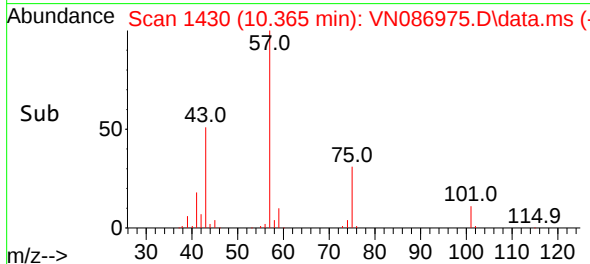
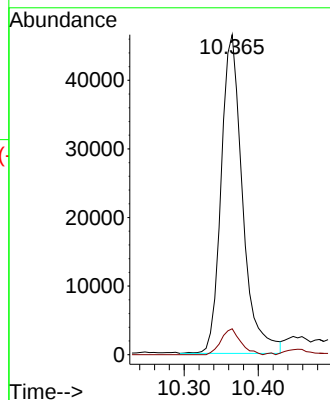
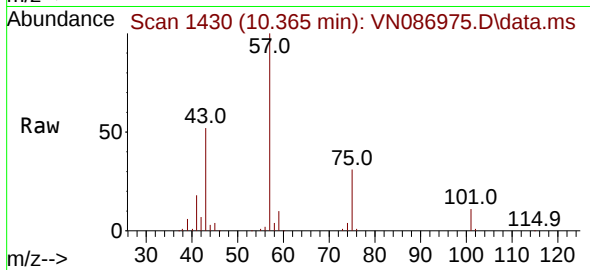




#51
4-Methyl-2-Pentanone
Concen: 21.651 ug/l
RT: 10.365 min Scan# 1444
Delta R.T. -0.082 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

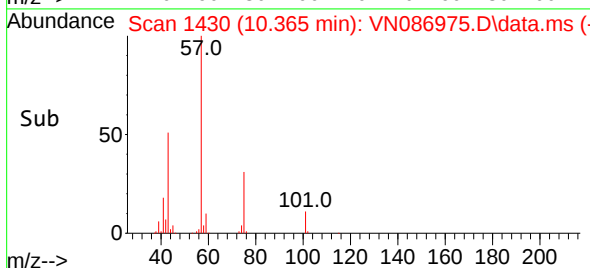
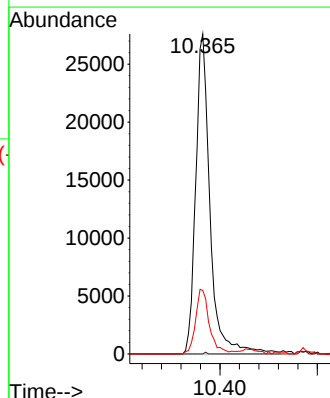
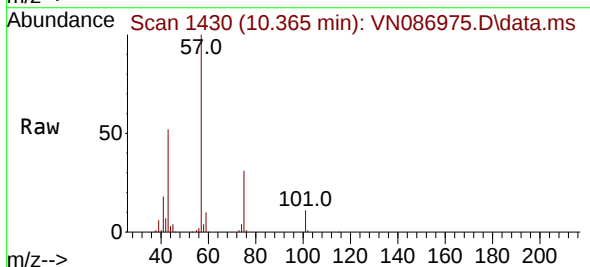
Instrument :
MSVOA_N
ClientSampleId :
VNJ-210

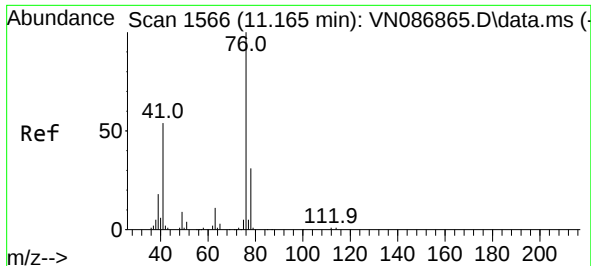
Tgt Ion: 43 Resp: 93059
Ion Ratio Lower Upper
43 100
58 7.4 34.2 51.4#



#54
cis-1,3-Dichloropropene
Concen: 12.417 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

Tgt Ion: 75 Resp: 56442
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#
39 19.8 32.3 48.5#





#57

1,3-Dichloropropane

Concen: 0.556 ug/l

RT: 11.218 min Scan# 1575

Delta R.T. 0.053 min

Lab File: VN086975.D

Acq: 12 Jun 2025 14:23

Instrument :

MSVOA_N

ClientSampleId :

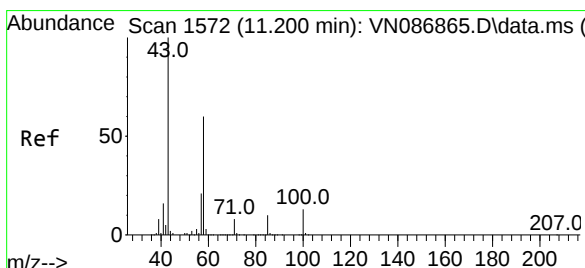
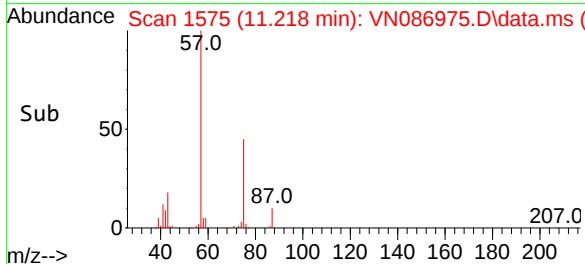
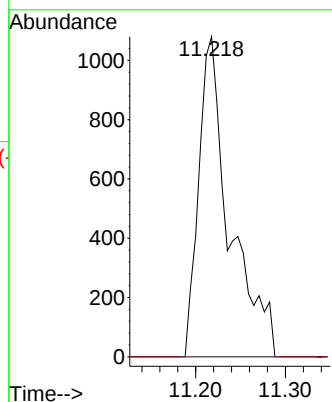
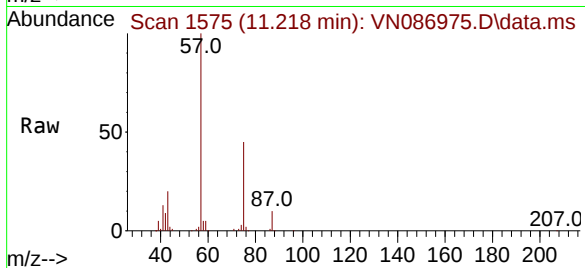
VNJ-210

Tgt Ion: 76 Resp: 2591

Ion Ratio Lower Upper

76 100

78 0.0 25.3 37.9#



#59

2-Hexanone

Concen: 10.800 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.012 min

Lab File: VN086975.D

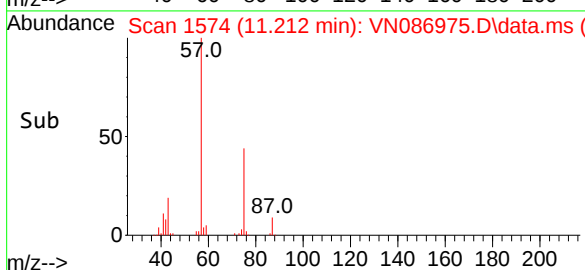
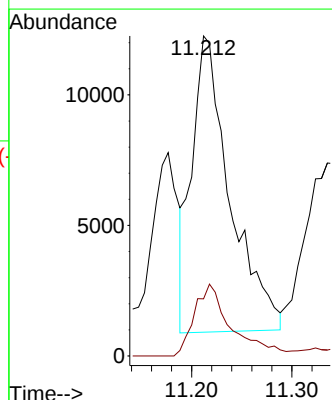
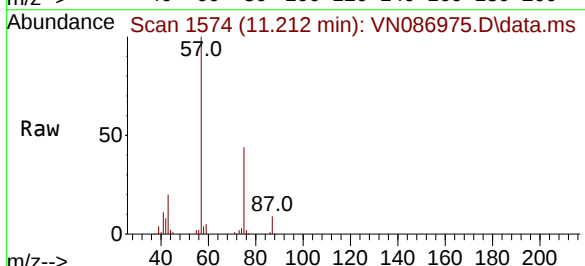
Acq: 12 Jun 2025 14:23

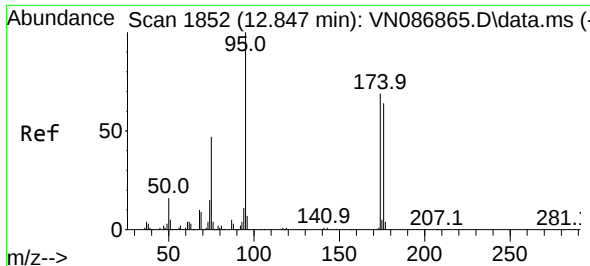
Tgt Ion: 43 Resp: 29900

Ion Ratio Lower Upper

43 100

58 23.4 30.4 91.3#

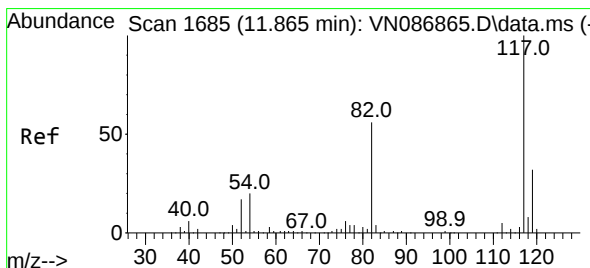
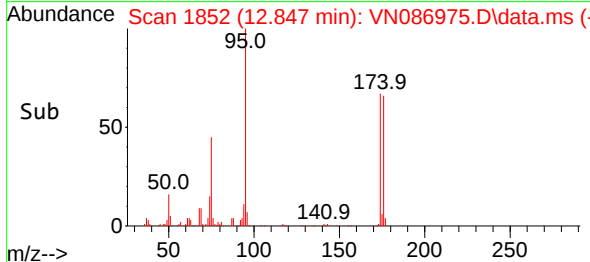
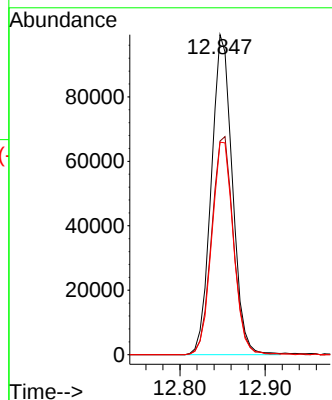
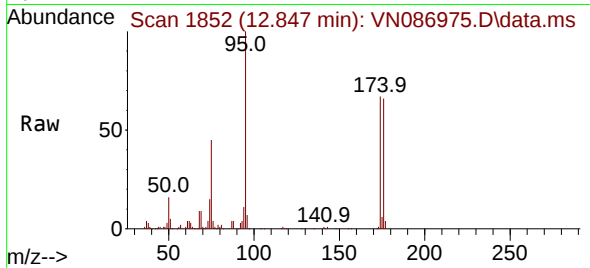




#62
4-Bromofluorobenzene
Concen: 49.465 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

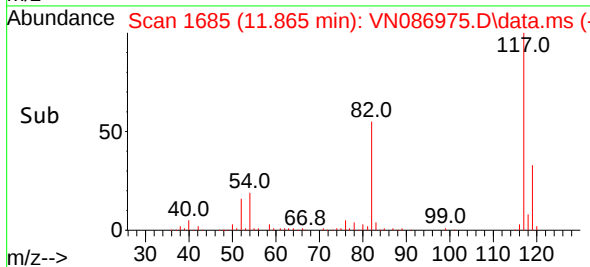
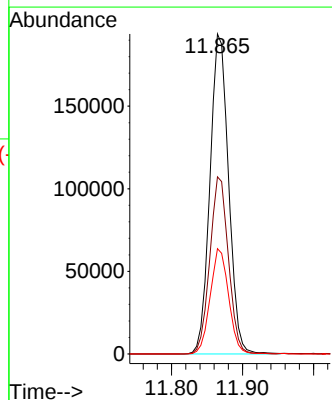
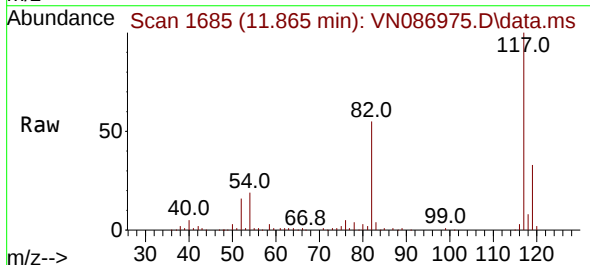
Instrument :
MSVOA_N
ClientSampleId :
VNJ-210

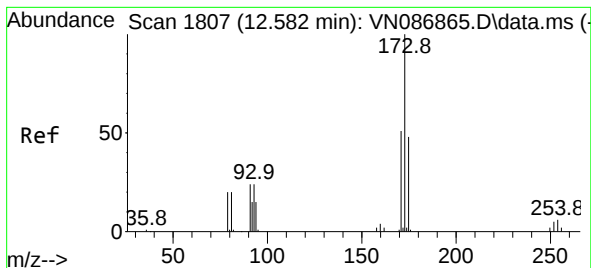
Tgt Ion: 95 Resp: 170610
Ion Ratio Lower Upper
95 100
174 70.5 0.0 141.8
176 68.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

Tgt Ion: 117 Resp: 351799
Ion Ratio Lower Upper
117 100
82 55.4 44.6 67.0
119 32.9 25.5 38.3





#71

Bromoform

Concen: 0.456 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN086975.D

Acq: 12 Jun 2025 14:23

Instrument :

MSVOA_N

ClientSampleId :

VNJ-210

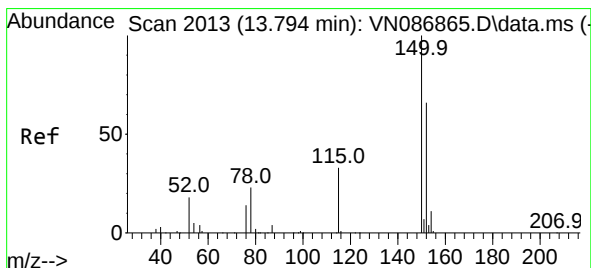
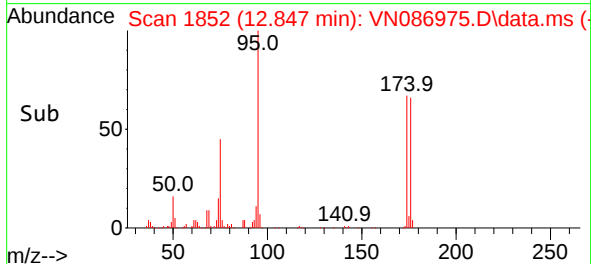
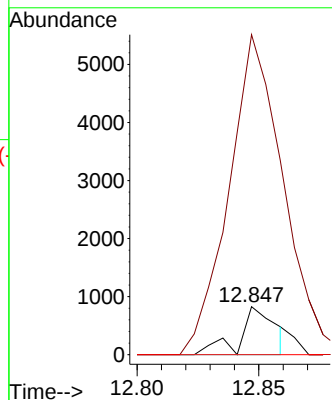
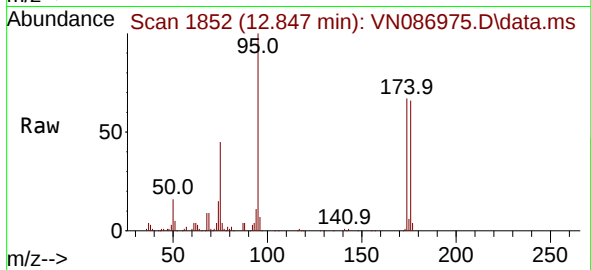
Tgt Ion:173 Resp: 842

Ion Ratio Lower Upper

173 100

175 879.2 24.1 72.4#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN086975.D

Acq: 12 Jun 2025 14:23

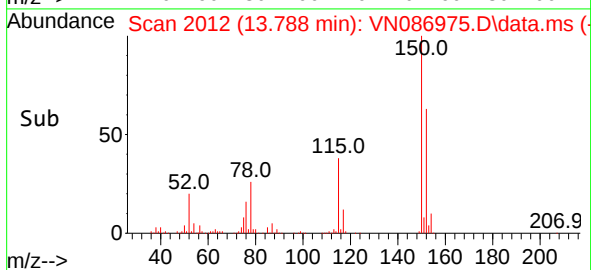
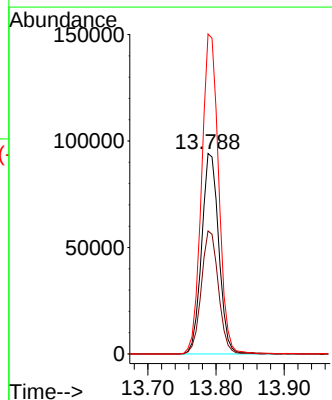
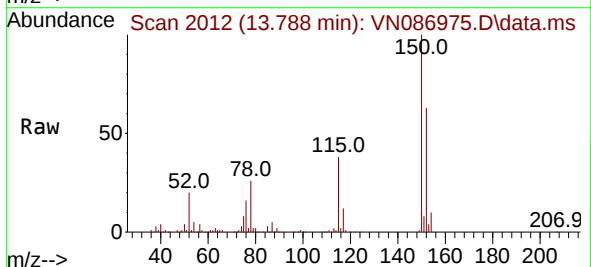
Tgt Ion:152 Resp: 164565

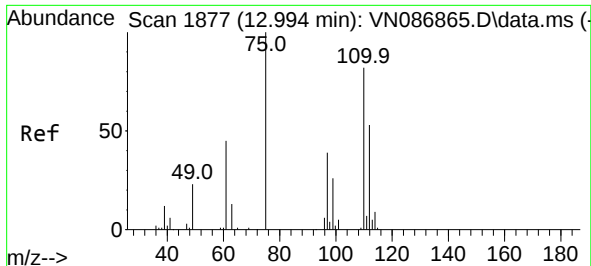
Ion Ratio Lower Upper

152 100

115 61.3 30.1 90.5

150 159.1 0.0 345.0

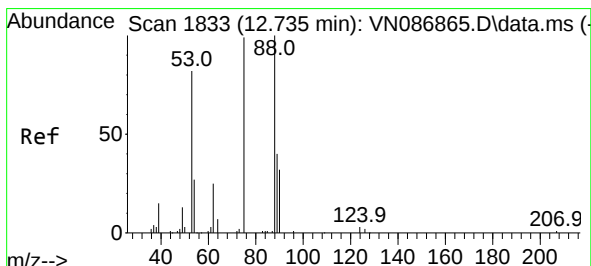
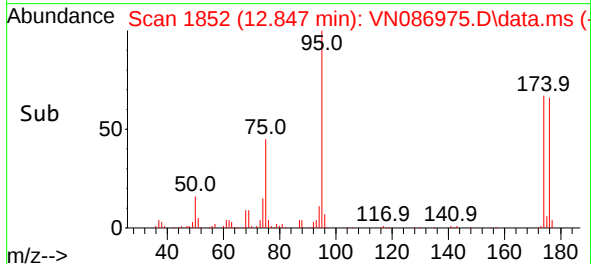
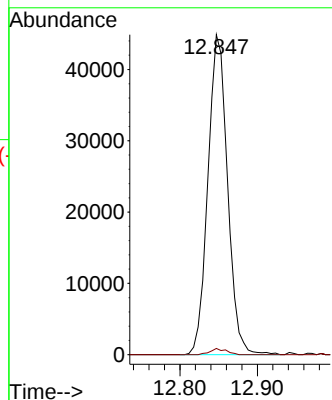
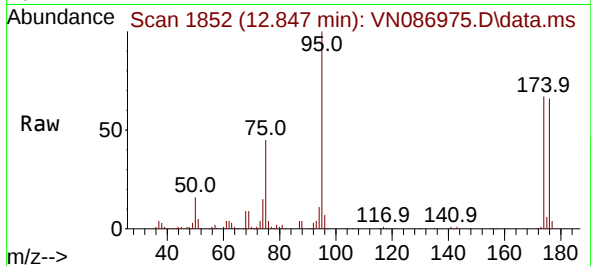




#76
1,2,3-Trichloropropane
Concen: 20.220 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

Instrument :
MSVOA_N
ClientSampleId :
VNJ-210

Tgt Ion: 75 Resp: 79095
Ion Ratio Lower Upper
75 100
77 1.6 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.545 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086975.D
Acq: 12 Jun 2025 14:23

Tgt Ion: 75 Resp: 79095
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

