

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088261.D
 Acq On : 11 Nov 2025 16:29
 Operator : JC\MD
 Sample : Q3581-06RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-240

Quant Time: Nov 12 01:18:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

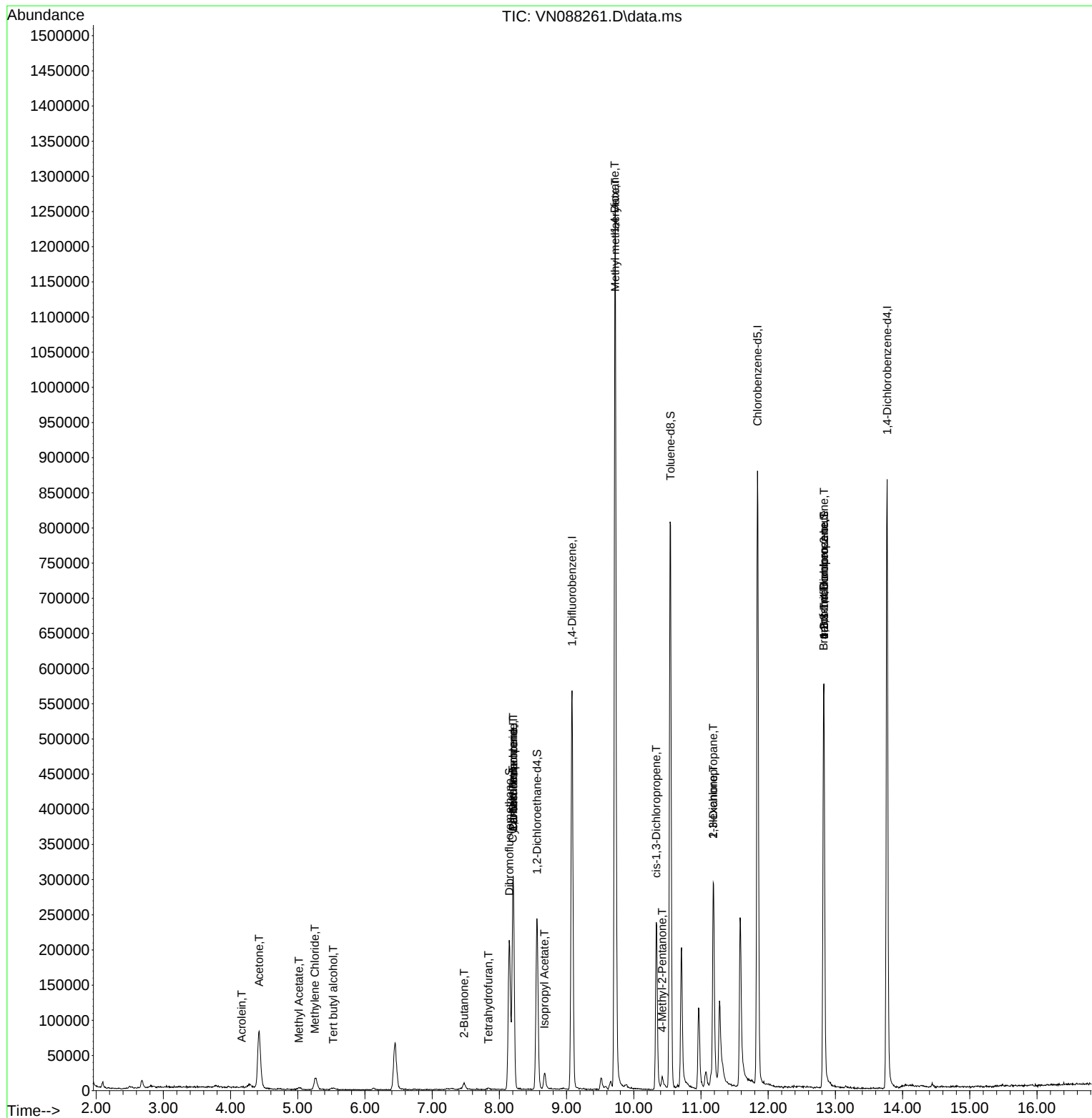
Internal Standards						
1) Pentafluorobenzene	8.206	168	203051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	456642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	464568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	220849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	204125	58.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.280%			
35) Dibromofluoromethane	8.147	113	151580	49.411	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.820%			
50) Toluene-d8	10.547	98	549651	46.500	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.000%			
62) 4-Bromofluorobenzene	12.829	95	212953	51.012	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.020%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	2298	3.799	ug/l #	71
13) Acrolein	4.165	56	167	0.245	ug/l #	1
16) Acetone	4.424	43	161103	91.330	ug/l	93
18) Methyl Acetate	5.018	43	4057	1.123	ug/l #	83
20) Methylene Chloride	5.253	84	7000	2.364	ug/l #	86
25) 2-Butanone	7.477	43	15506	6.670	ug/l	91
29) Tetrahydrofuran	7.835	42	1402	0.925	ug/l #	56
31) Cyclohexane	8.200	56	6583	1.339	ug/l #	34
36) 1,1-Dichloropropene	8.206	75	20261	4.523	ug/l #	51
38) Carbon Tetrachloride	8.206	117	23544	5.089	ug/l #	13
43) Isopropyl Acetate	8.671	43	26742	3.011	ug/l #	93
48) Methyl methacrylate	9.723	41	125415	30.583	ug/l #	47
49) 1,4-Dioxane	9.718	88	67	1.314	ug/l #	1
51) 4-Methyl-2-Pentanone	10.423	43	15797	3.006	ug/l	88
54) cis-1,3-Dichloropropene	10.335	75	43526	7.837	ug/l #	64
57) 1,3-Dichloropropane	11.182	76	3581	0.638	ug/l #	42
59) 2-Hexanone	11.182	43	51859	14.877	ug/l #	56
71) Bromoform	12.823	173	1420	0.551	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	124757	24.708	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	124757	68.923	ug/l #	1

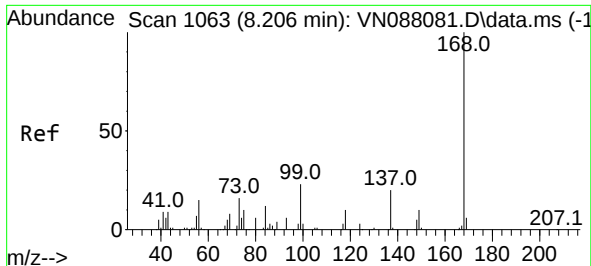
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

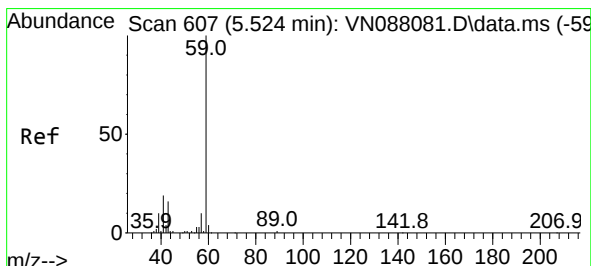
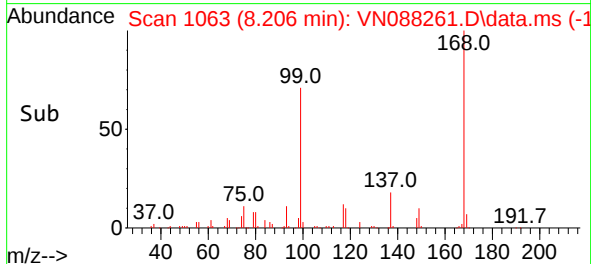
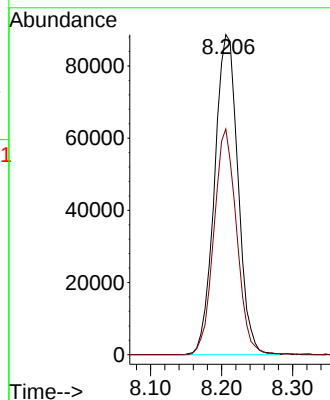
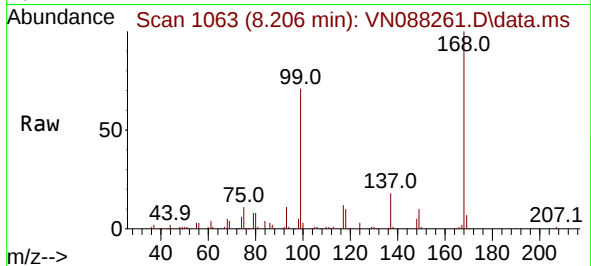




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

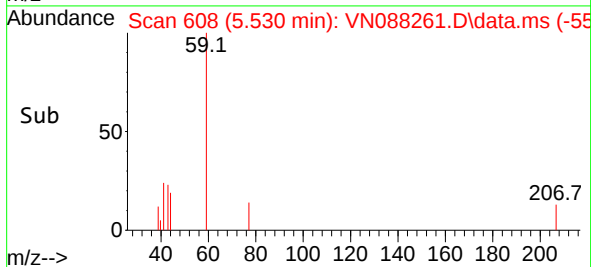
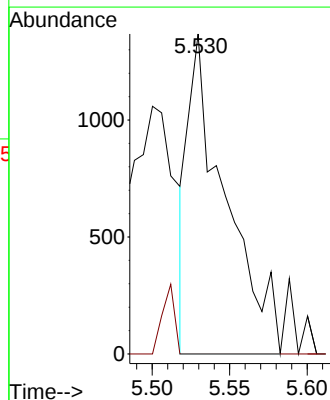
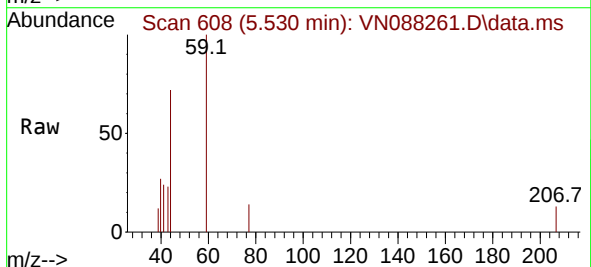
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

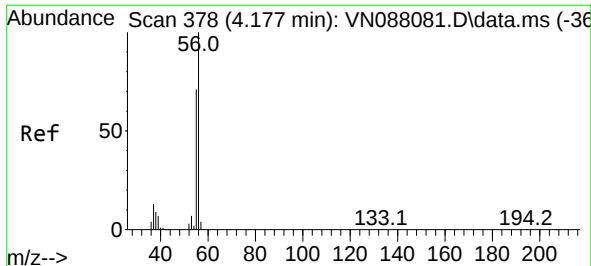
Tgt Ion:168 Resp: 203051
Ion Ratio Lower Upper
168 100
99 70.5 57.2 85.8



#11
Tert butyl alcohol
Concen: 3.799 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

Tgt Ion: 59 Resp: 2298
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

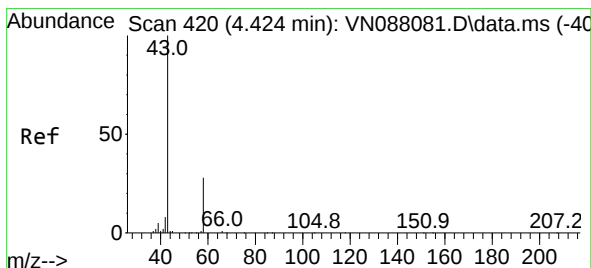
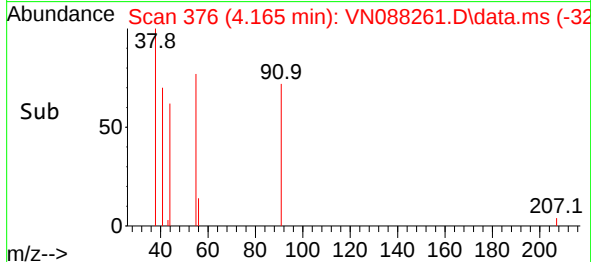
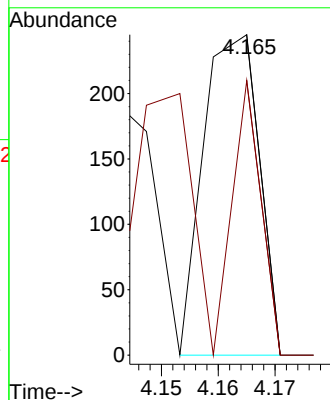
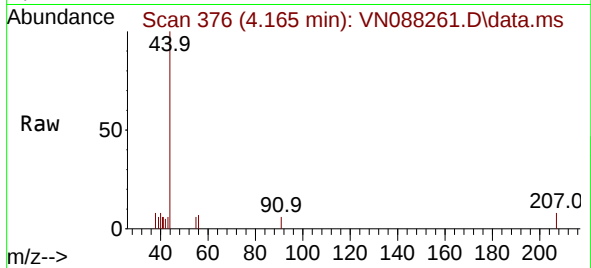




#13
Acrolein
Concen: 0.245 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

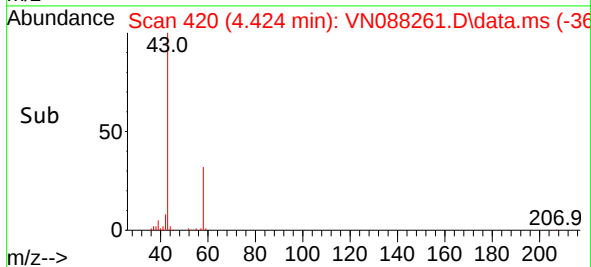
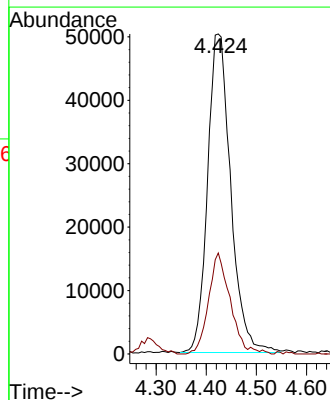
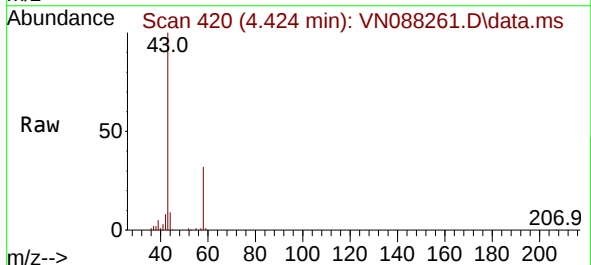
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

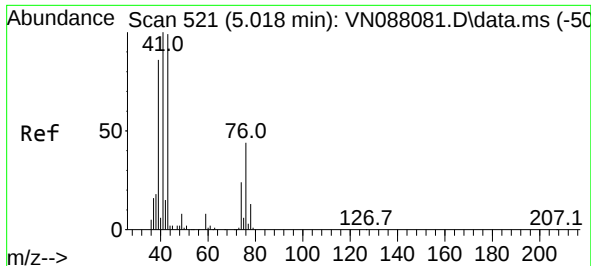
Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 161.7 57.3 85.9#



#16
Acetone
Concen: 91.330 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

Tgt Ion: 43 Resp: 161103
Ion Ratio Lower Upper
43 100
58 31.7 22.6 33.8

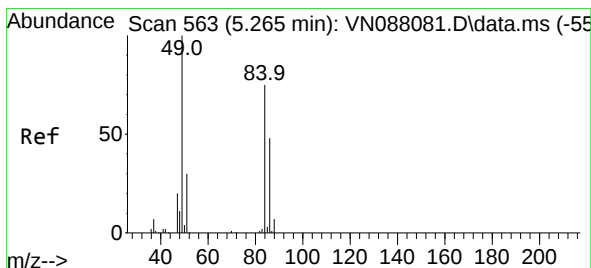
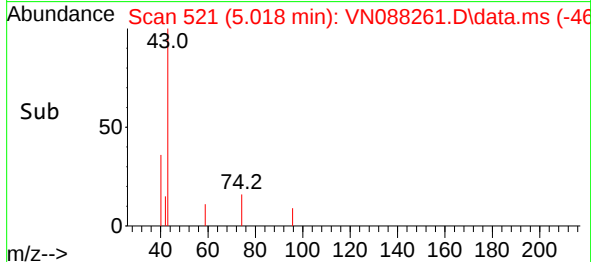
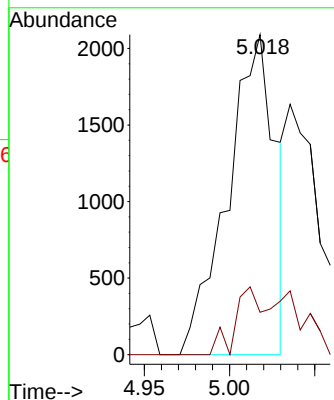
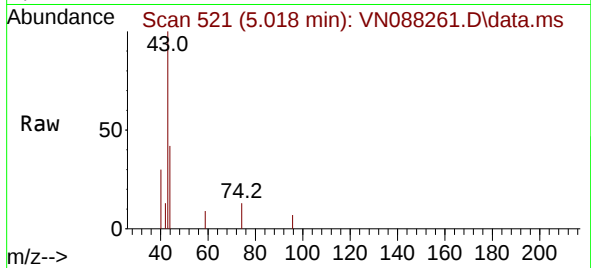




#18
Methyl Acetate
Concen: 1.123 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

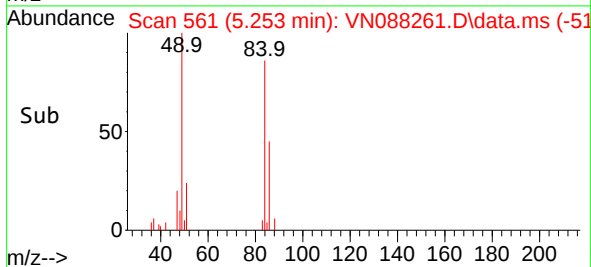
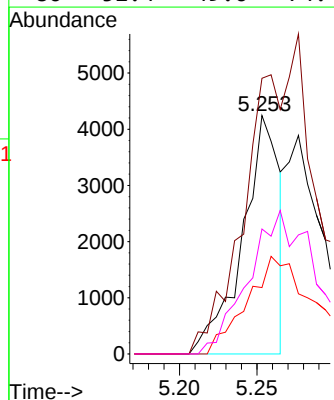
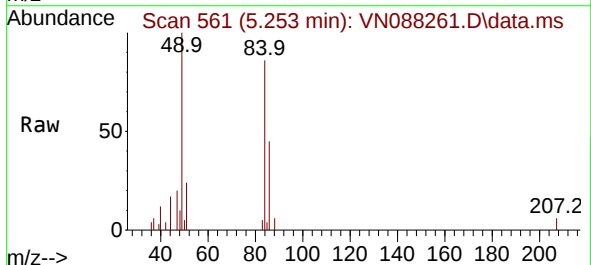
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

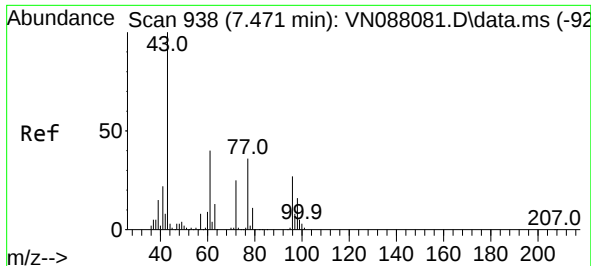
Tgt Ion: 43 Resp: 4057
Ion Ratio Lower Upper
43 100
74 13.7 17.6 26.4#



#20
Methylene Chloride
Concen: 2.364 ug/l
RT: 5.253 min Scan# 561
Delta R.T. -0.012 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

Tgt Ion: 84 Resp: 7000
Ion Ratio Lower Upper
84 100
49 115.6 103.4 155.2
51 27.9 33.8 50.8#
86 52.4 49.6 74.4

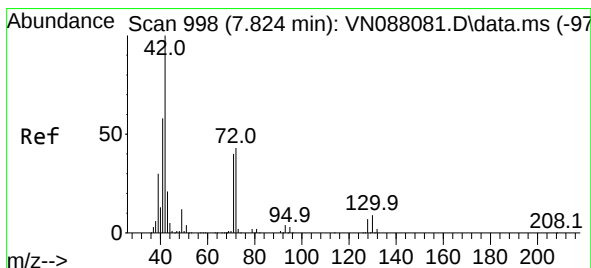
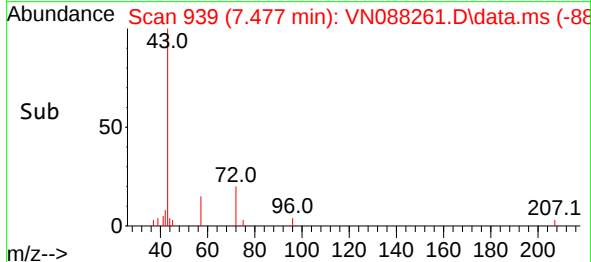
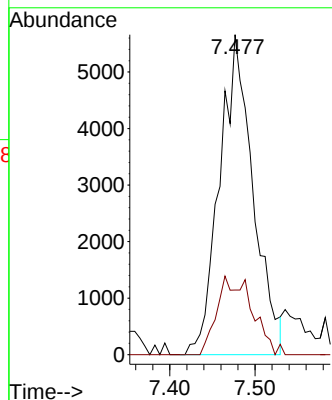
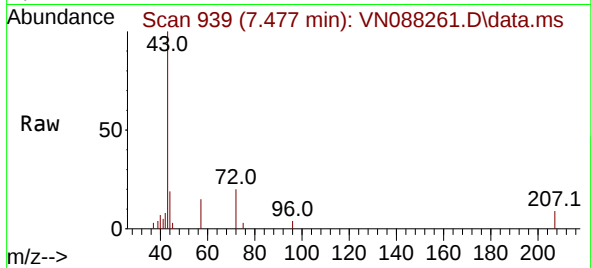




#25
2-Butanone
Concen: 6.670 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

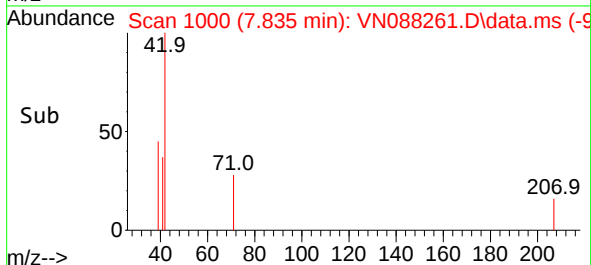
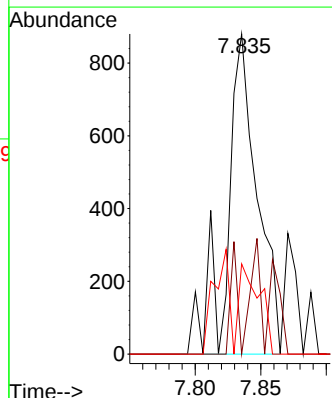
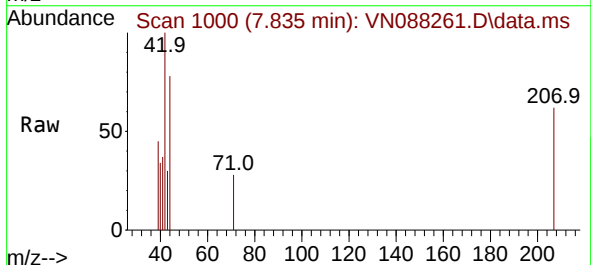
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

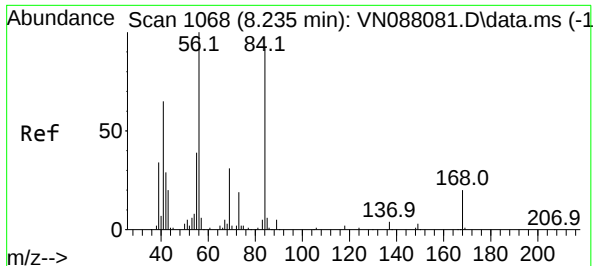
Tgt Ion: 43 Resp: 15506
Ion Ratio Lower Upper
43 100
72 20.2 19.9 29.9



#29
Tetrahydrofuran
Concen: 0.925 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.012 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

Tgt Ion: 42 Resp: 1402
Ion Ratio Lower Upper
42 100
72 7.8 33.7 50.5#
71 19.6 31.9 47.9#

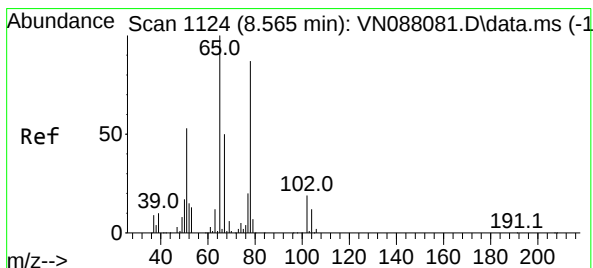
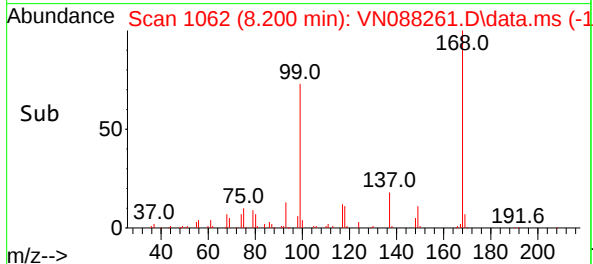
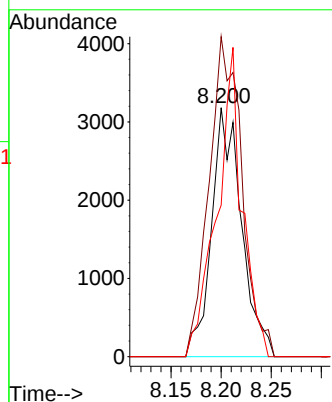
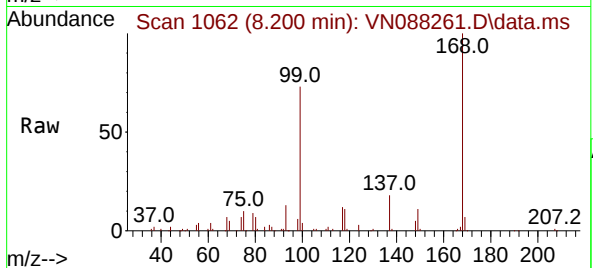




#31
Cyclohexane
Concen: 1.339 ug/l
RT: 8.200 min Scan# 1106
Delta R.T. -0.036 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

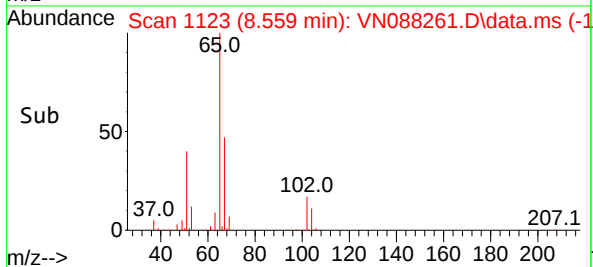
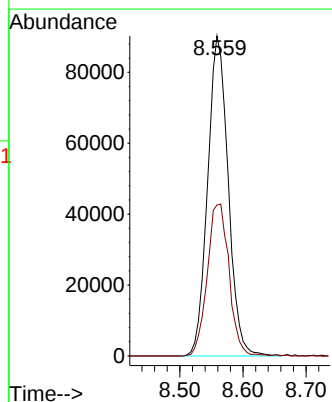
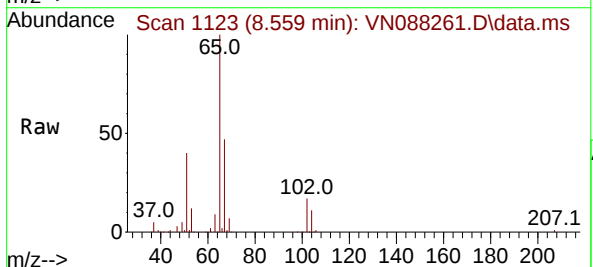
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

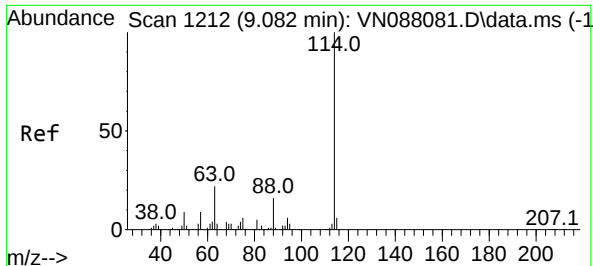
Tgt Ion: 56 Resp: 6583
Ion Ratio Lower Upper
56 100
69 128.5 23.7 35.5#
84 60.9 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 58.136 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

Tgt Ion: 65 Resp: 204125
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.0

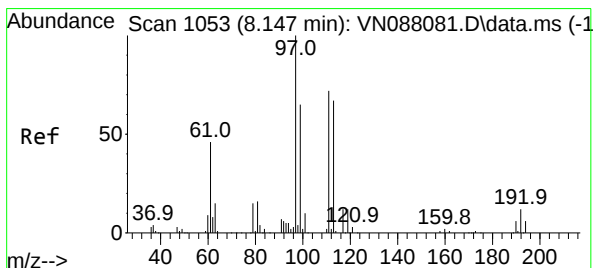
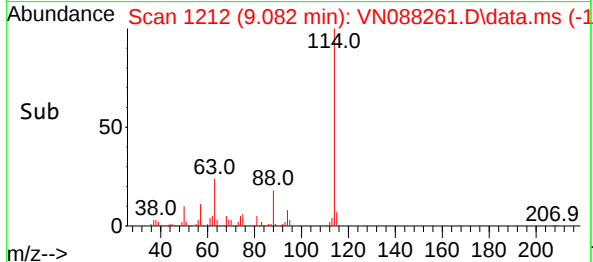
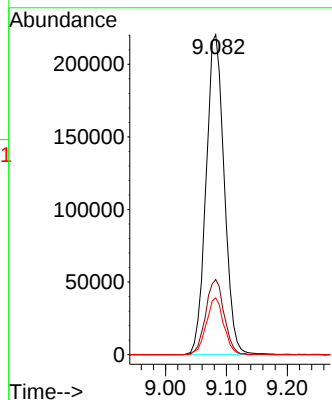
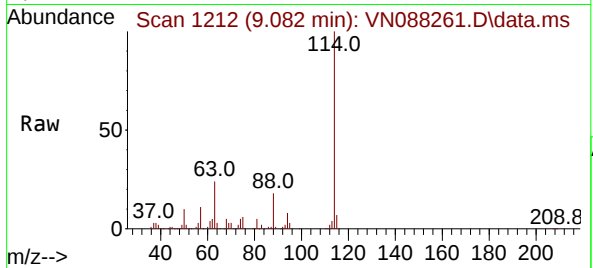




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

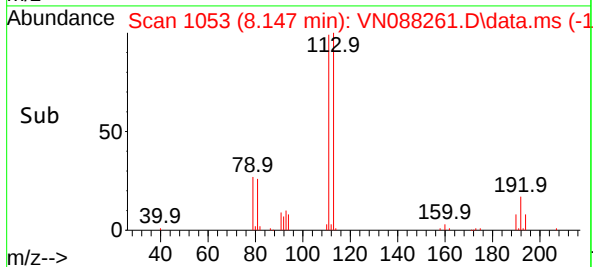
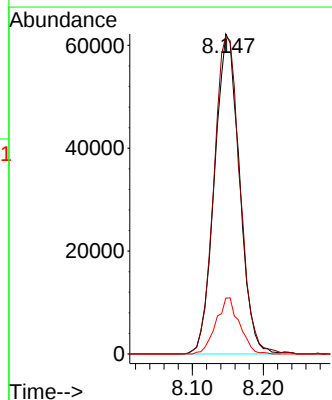
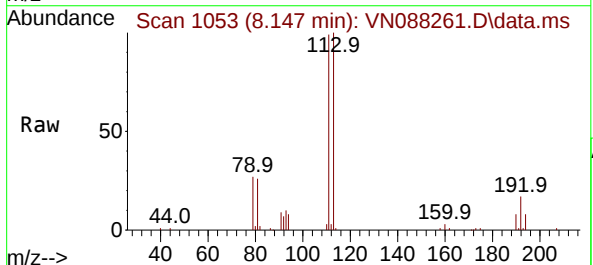
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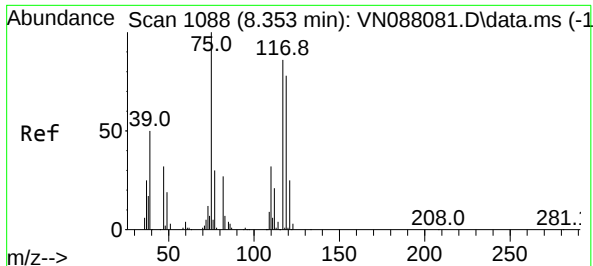
Tgt Ion:114 Resp: 456642
Ion Ratio Lower Upper
114 100
63 23.5 0.0 45.2
88 17.8 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.411 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

Tgt Ion:113 Resp: 151580
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 16.4 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.523 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088261.D

Acq: 11 Nov 2025 16:29

Instrument :

MSVOA_N

ClientSampleId :

VNJ-240

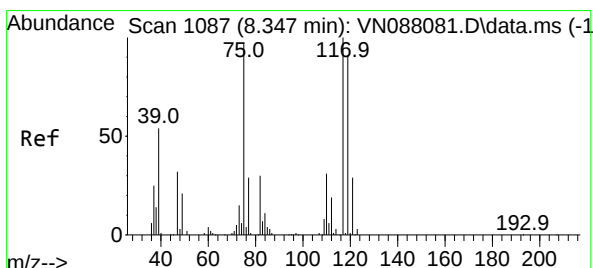
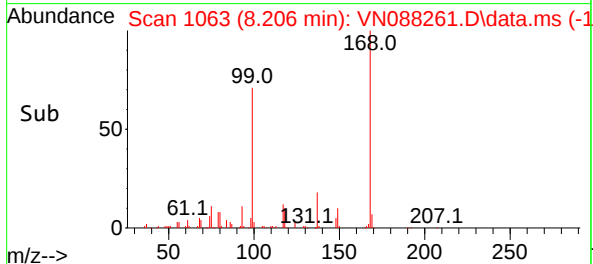
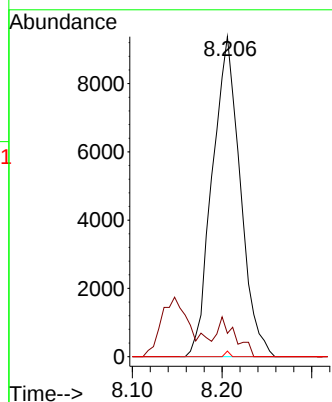
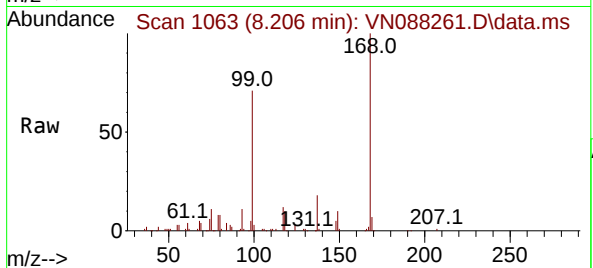
Tgt Ion: 75 Resp: 20261

Ion Ratio Lower Upper

75 100

110 8.0 15.9 47.6#

77 0.3 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.089 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN088261.D

Acq: 11 Nov 2025 16:29

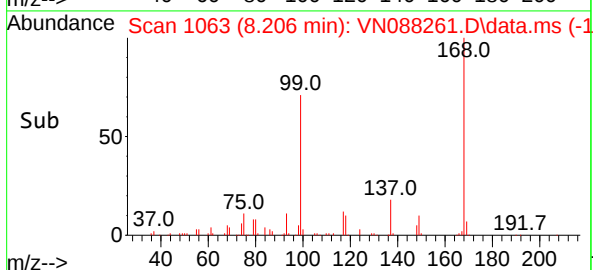
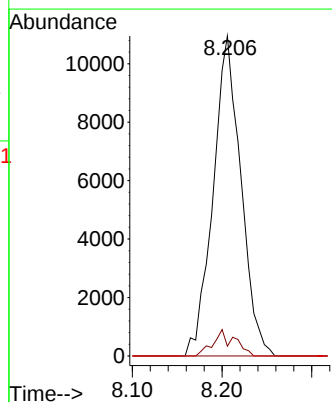
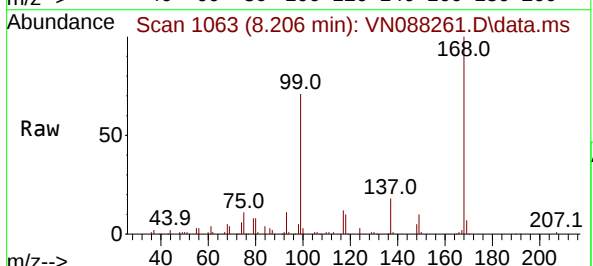
Tgt Ion: 117 Resp: 23544

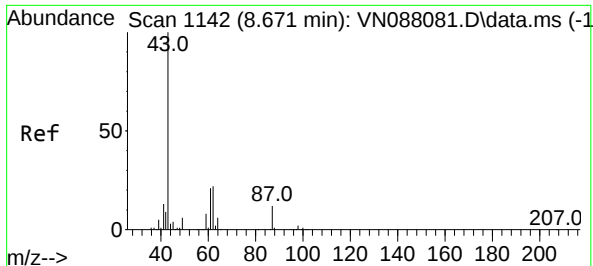
Ion Ratio Lower Upper

117 100

119 3.1 79.0 118.6#

121 0.0 25.0 37.6#

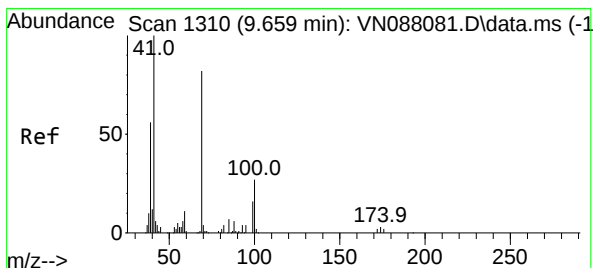
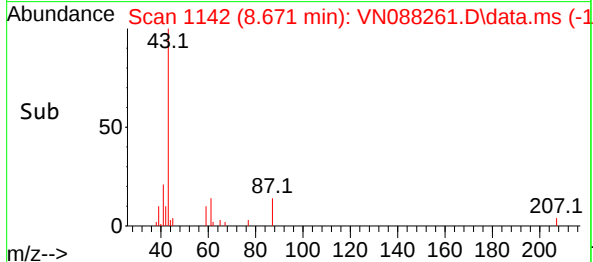
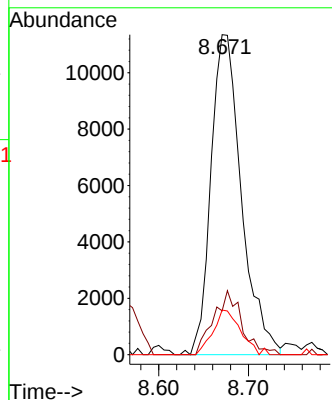
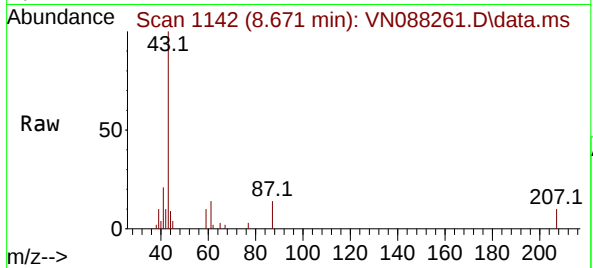




#43
Isopropyl Acetate
Concen: 3.011 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

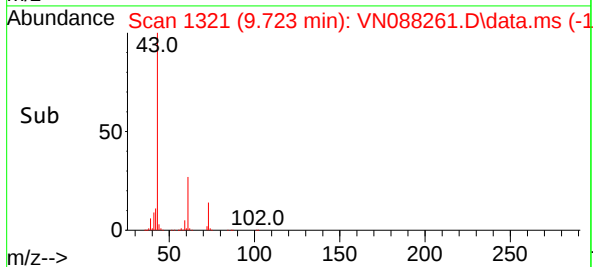
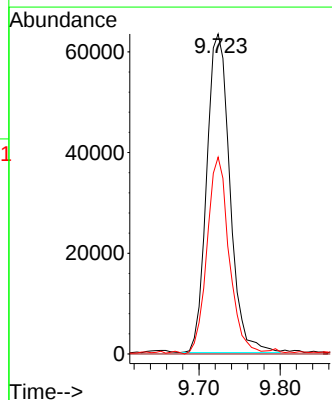
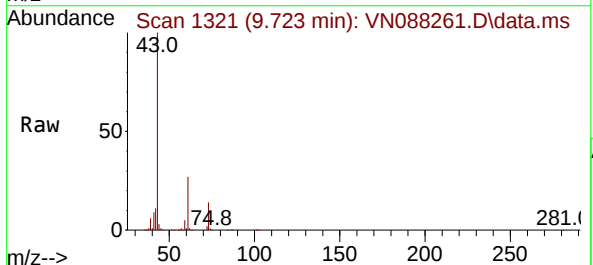
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

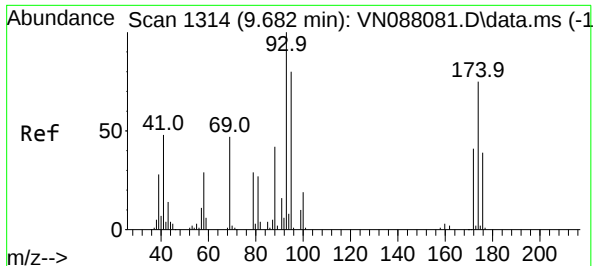
Tgt Ion: 43 Resp: 26742
Ion Ratio Lower Upper
43 100
61 18.6 18.8 28.2#
87 12.7 9.6 14.4



#48
Methyl methacrylate
Concen: 30.583 ug/l
RT: 9.723 min Scan# 1321
Delta R.T. 0.059 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

Tgt Ion: 41 Resp: 125415
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 58.9 52.9 79.3





#49

1,4-Dioxane

Concen: 1.314 ug/l

RT: 9.718 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN088261.D

Acq: 11 Nov 2025 16:29

Instrument :

MSVOA_N

ClientSampleId :

VNJ-240

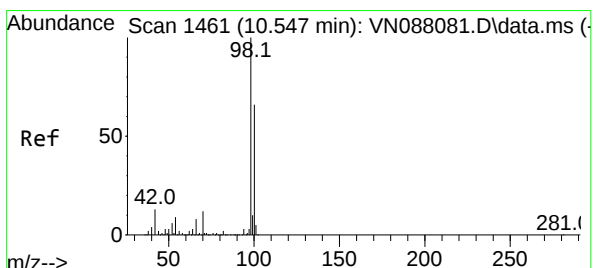
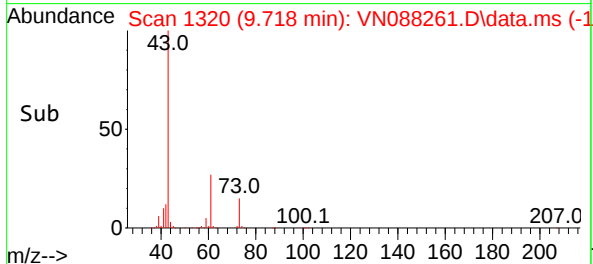
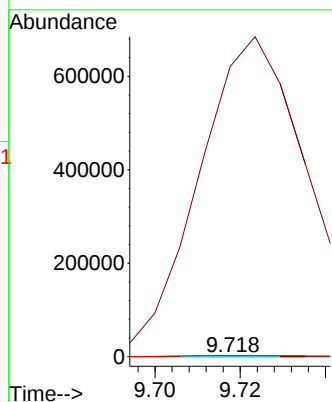
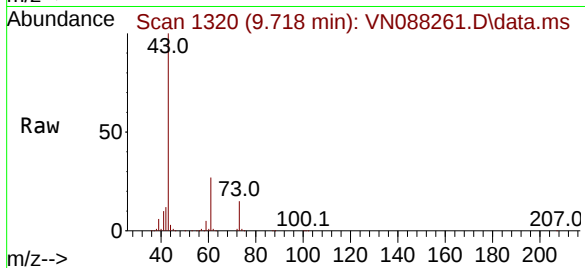
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 1928089.6 0.0 0.0#

58 9665.7 57.9 86.9#



#50

Toluene-d8

Concen: 46.500 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN088261.D

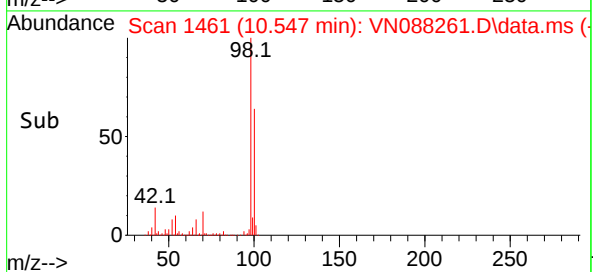
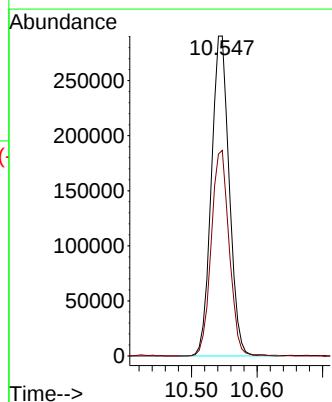
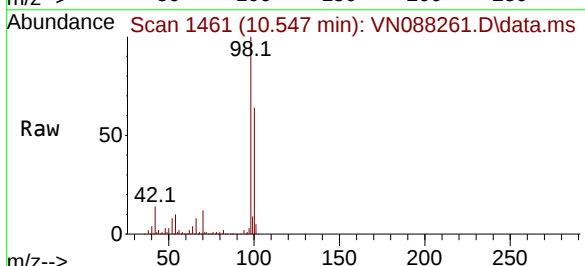
Acq: 11 Nov 2025 16:29

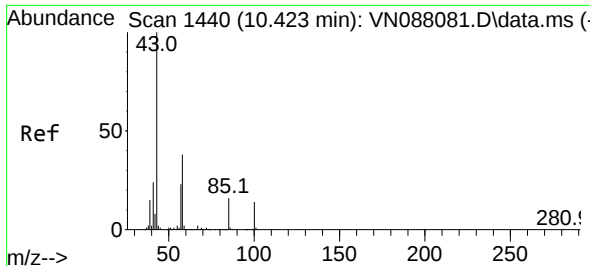
Tgt Ion: 98 Resp: 549651

Ion Ratio Lower Upper

98 100

100 64.2 52.8 79.2

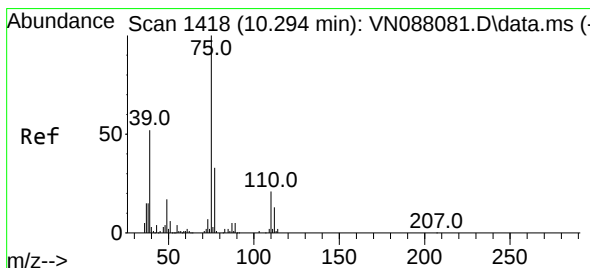
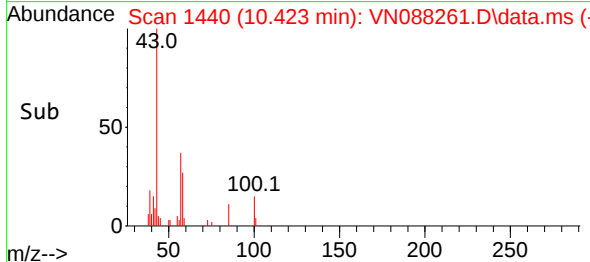
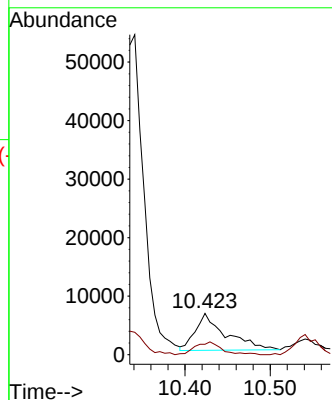
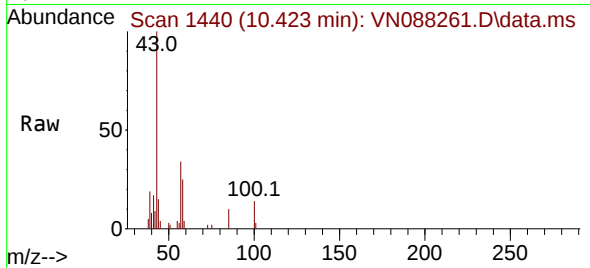




#51
4-Methyl-2-Pentanone
Concen: 3.006 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

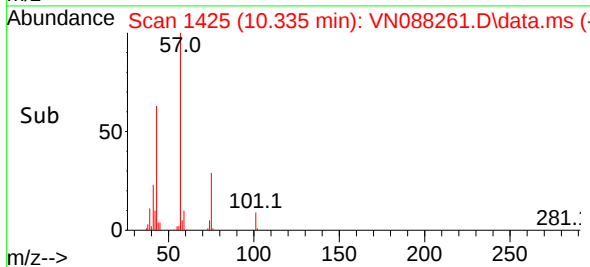
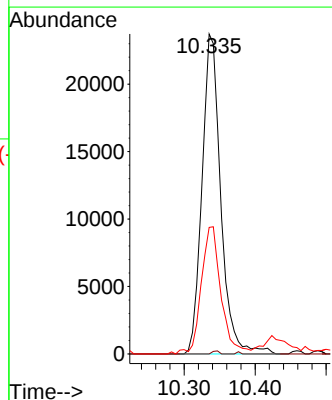
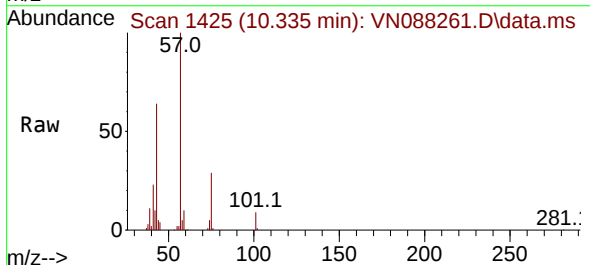
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

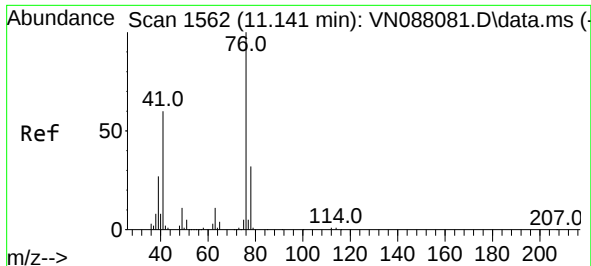
Tgt Ion: 43 Resp: 15797
Ion Ratio Lower Upper
43 100
58 29.8 29.6 44.4



#54
cis-1,3-Dichloropropene
Concen: 7.837 ug/l
RT: 10.335 min Scan# 1425
Delta R.T. 0.047 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

Tgt Ion: 75 Resp: 43526
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 38.4 45.2 67.8#





#57

1,3-Dichloropropane

Concen: 0.638 ug/l

RT: 11.182 min Scan# 1569

Delta R.T. 0.041 min

Lab File: VN088261.D

Acq: 11 Nov 2025 16:29

Instrument :

MSVOA_N

ClientSampleId :

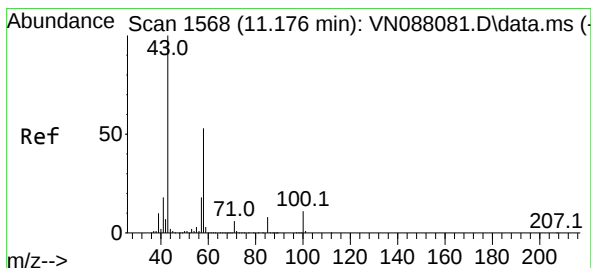
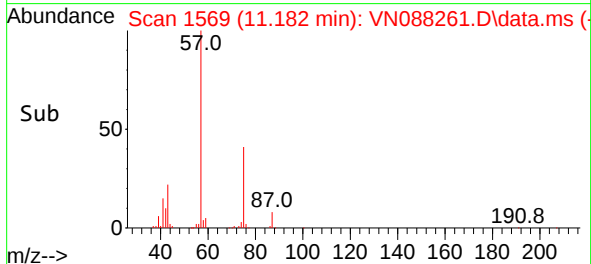
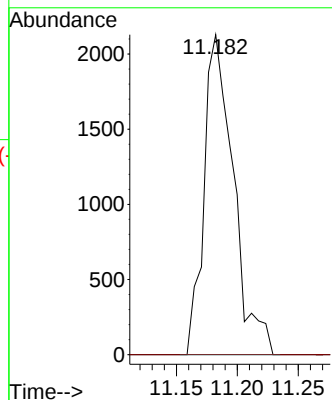
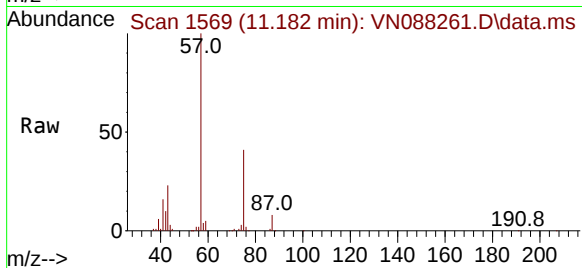
VNJ-240

Tgt Ion: 76 Resp: 3581

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 14.877 ug/l

RT: 11.182 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VN088261.D

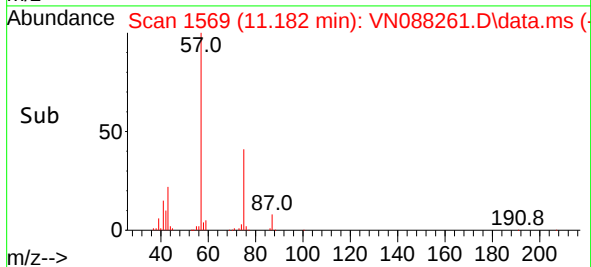
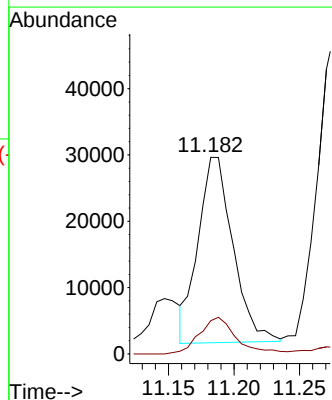
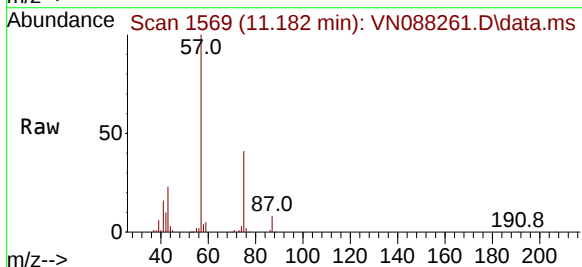
Acq: 11 Nov 2025 16:29

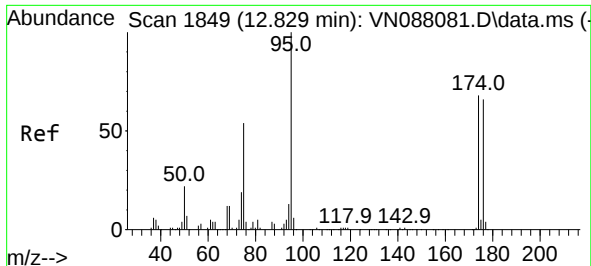
Tgt Ion: 43 Resp: 51859

Ion Ratio Lower Upper

43 100

58 20.9 25.9 77.8#

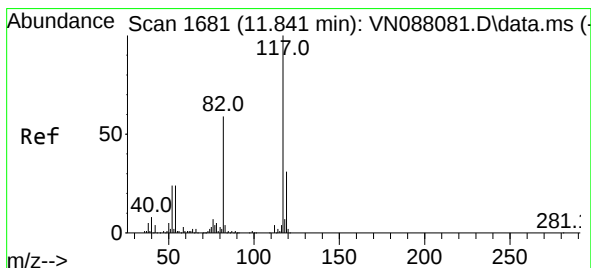
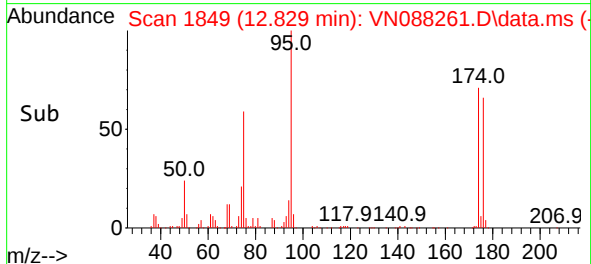
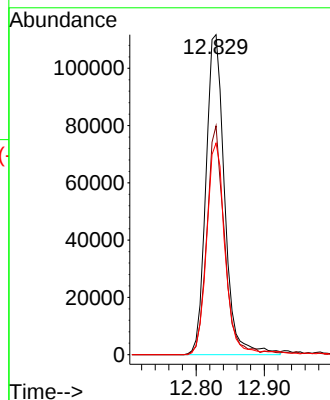
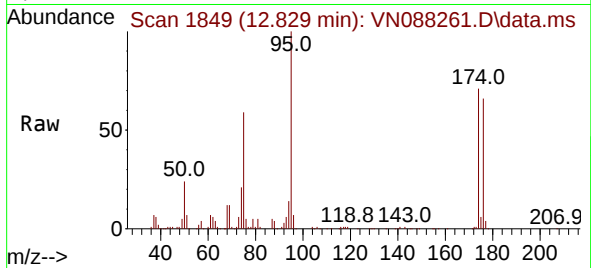




#62
4-Bromofluorobenzene
Concen: 51.012 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

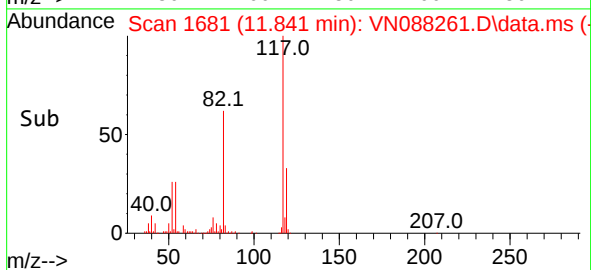
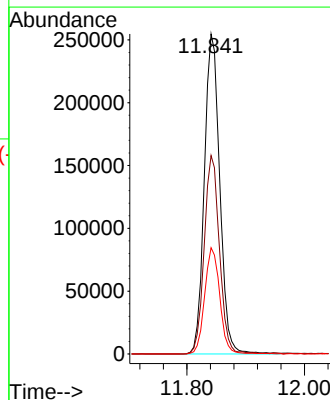
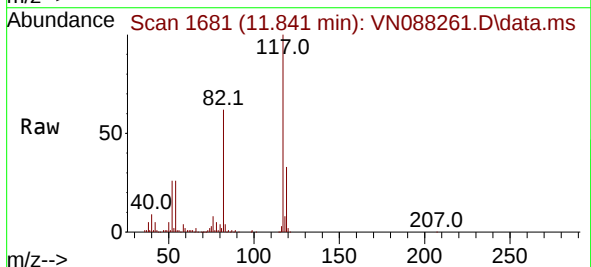
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

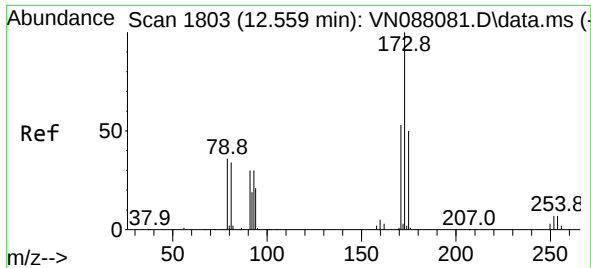
Tgt Ion: 95 Resp: 212953
Ion Ratio Lower Upper
95 100
174 67.8 0.0 138.4
176 64.6 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

Tgt Ion: 117 Resp: 464568
Ion Ratio Lower Upper
117 100
82 62.0 47.4 71.2
119 33.2 24.3 36.5

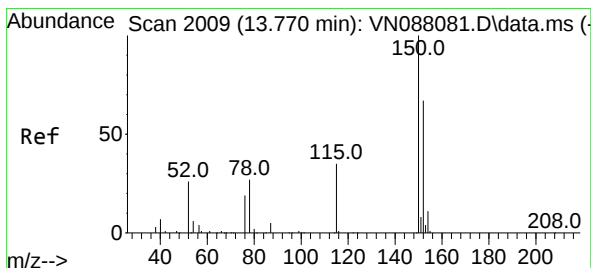
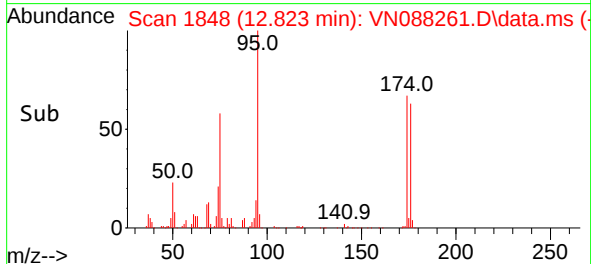
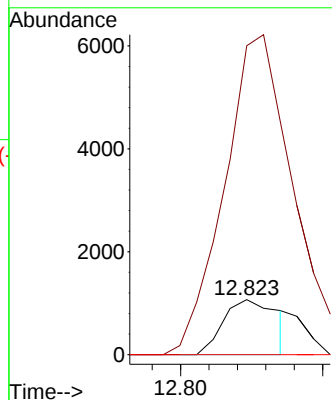
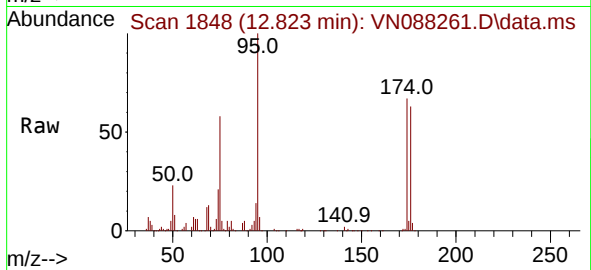




#71
Bromoform
Concen: 0.551 ug/l
RT: 12.823 min Scan# 11
Delta R.T. 0.264 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

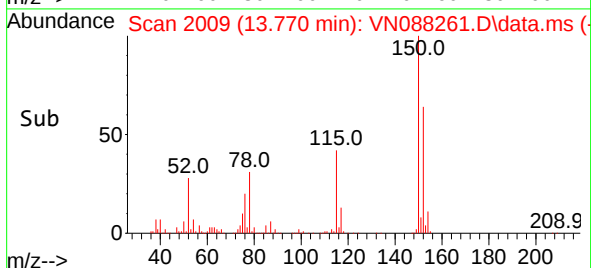
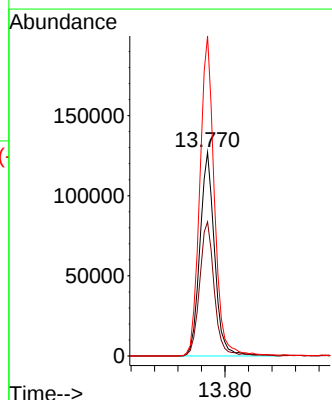
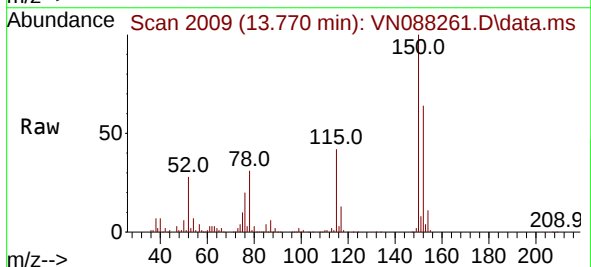
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

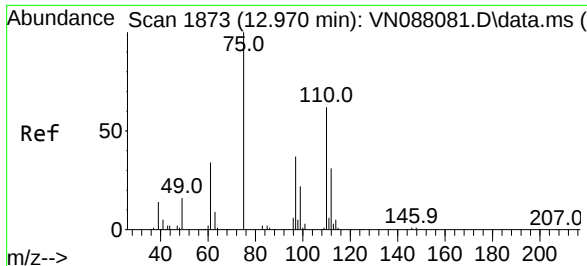
Tgt Ion:173 Resp: 1420
Ion Ratio Lower Upper
173 100
175 595.3 24.9 74.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

Tgt Ion:152 Resp: 220849
Ion Ratio Lower Upper
152 100
115 66.0 32.3 96.8
150 155.6 0.0 351.0

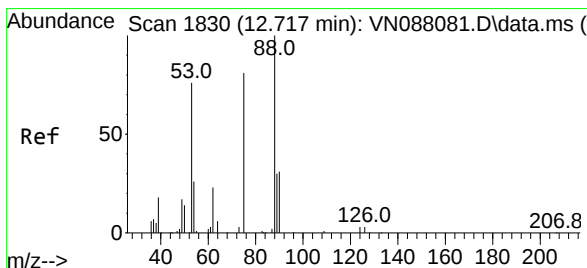
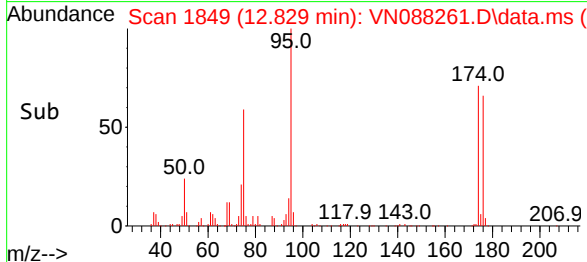
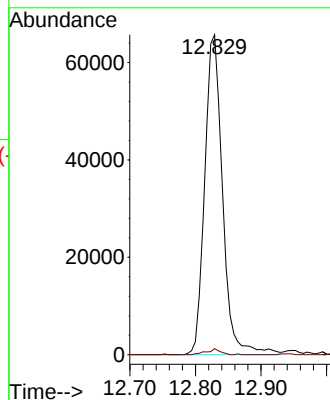
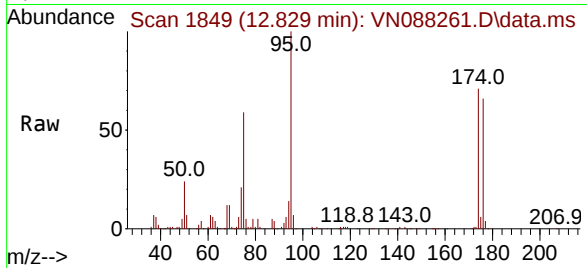




#76
1,2,3-Trichloropropane
Concen: 24.708 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

Tgt Ion: 75 Resp: 124757
Ion Ratio Lower Upper
75 100
77 1.4 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.923 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088261.D
Acq: 11 Nov 2025 16:29

Tgt Ion: 75 Resp: 124757
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.3 35.6 53.4#

