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 Data File : VN086739.D
 Acq On : 21 May 2025 18:18
 Operator : JC\MD
 Sample : Q2092-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-202

Quant Time: May 22 01:28:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

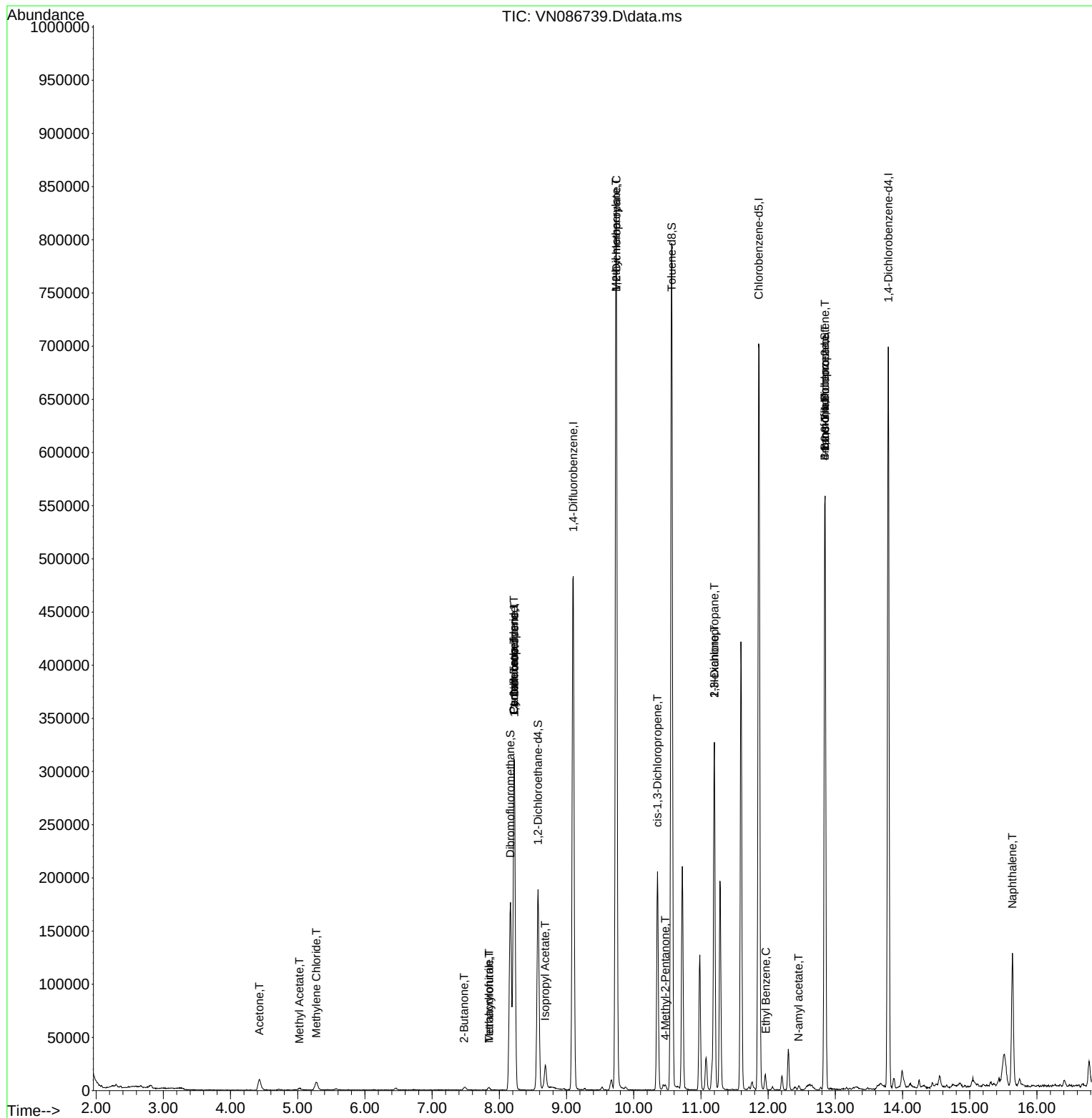
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	245107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	456886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	449469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	203767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	153430	45.301	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.600%
35) Dibromofluoromethane	8.165	113	134850	49.560	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.120%
50) Toluene-d8	10.565	98	583437	51.743	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.480%
62) 4-Bromofluorobenzene	12.841	95	219923	55.238	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.480%
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	20020	15.802	ug/l	96
18) Methyl Acetate	5.024	43	3552	1.002	ug/l #	84
20) Methylene Chloride	5.277	84	6560	1.962	ug/l #	87
25) 2-Butanone	7.477	43	5058	2.584	ug/l #	78
29) Tetrahydrofuran	7.847	42	1890	1.479	ug/l	96
31) Cyclohexane	8.218	56	4391	0.864	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	18314	4.563	ug/l #	48
38) Carbon Tetrachloride	8.218	117	23526	5.949	ug/l #	15
41) Methacrylonitrile	7.847	41	954	0.436	ug/l #	21
43) Isopropyl Acetate	8.683	43	28780	3.541	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	1025	0.330	ug/l #	42
48) Methyl methacrylate	9.735	41	70518	22.391	ug/l #	35
51) 4-Methyl-2-Pentanone	10.471	43	7798	1.903	ug/l #	33
54) cis-1,3-Dichloropropene	10.353	75	41735	8.351	ug/l #	55
57) 1,3-Dichloropropane	11.200	76	3582	0.685	ug/l #	42
59) 2-Hexanone	11.200	43	60058	20.066	ug/l #	42
67) Ethyl Benzene	11.965	91	4394	0.260	ug/l	99
71) Bromoform	12.841	173	796	0.352	ug/l #	1
74) N-amyl acetate	12.453	43	3381	0.514	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	103141	22.381	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	103141	56.482	ug/l #	15
95) Naphthalene	15.635	128	130113	13.615	ug/l	100

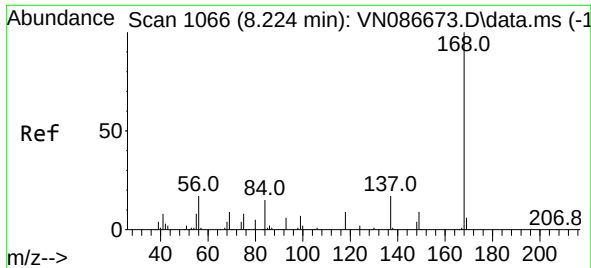
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

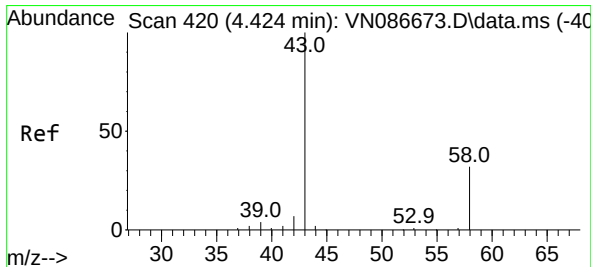
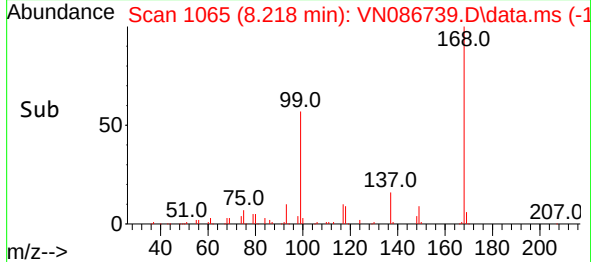
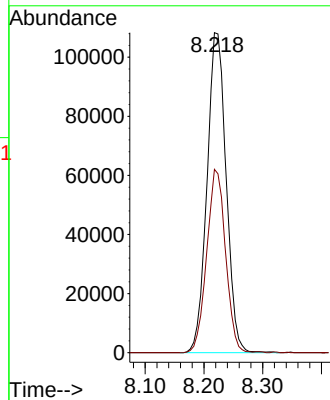
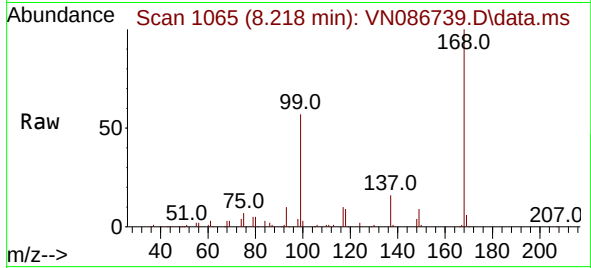




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

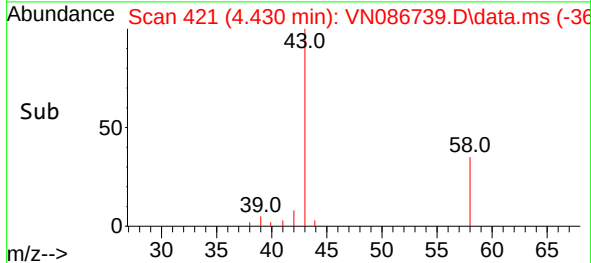
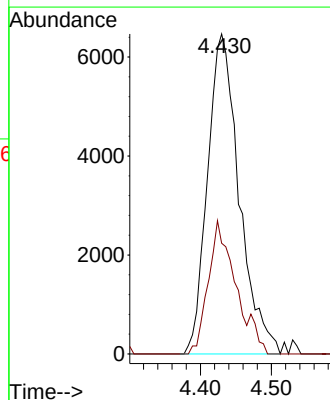
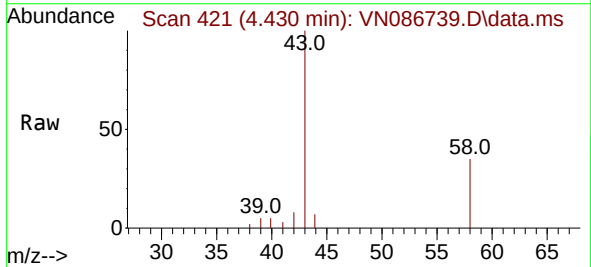
Instrument :
MSVOA_N
ClientSampleId :
VNJ-202

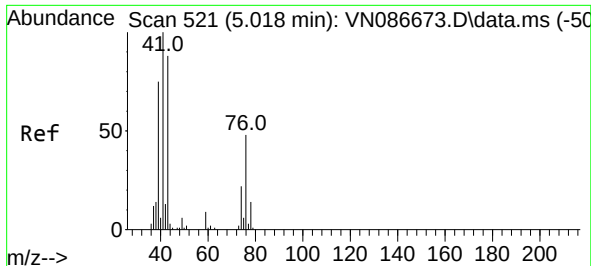
Tgt Ion:168 Resp: 245107
Ion Ratio Lower Upper
168 100
99 57.3 47.0 70.4



#16
Acetone
Concen: 15.802 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

Tgt Ion: 43 Resp: 20020
Ion Ratio Lower Upper
43 100
58 34.6 25.8 38.6

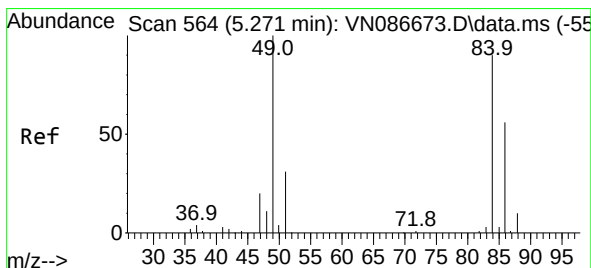
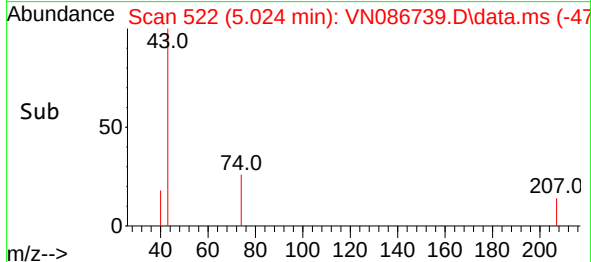
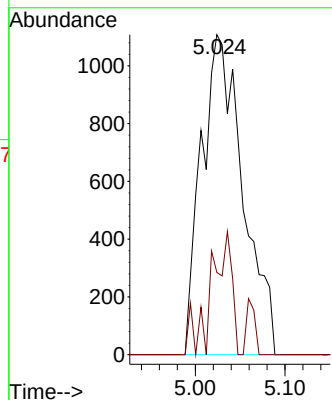
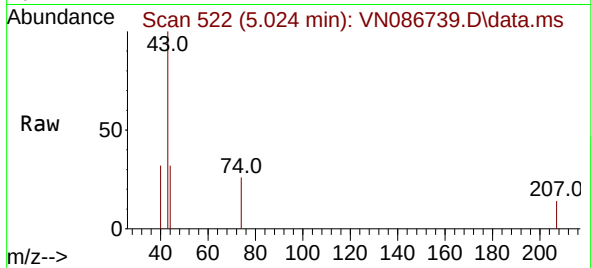




#18
Methyl Acetate
Concen: 1.002 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

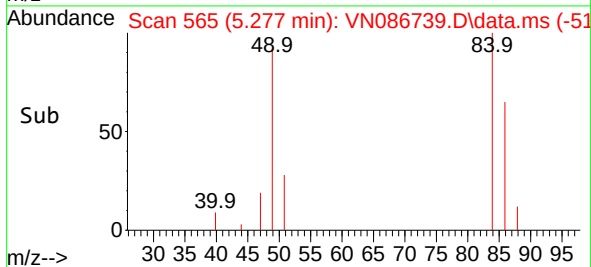
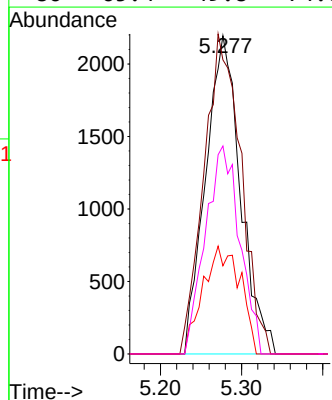
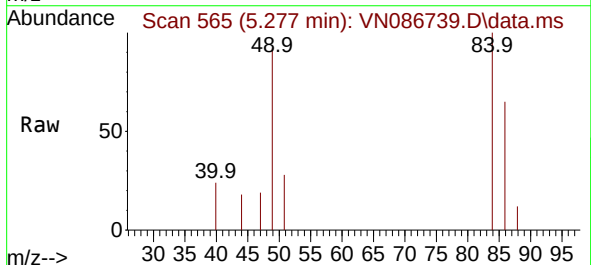
Instrument :
MSVOA_N
ClientSampleId :
VNJ-202

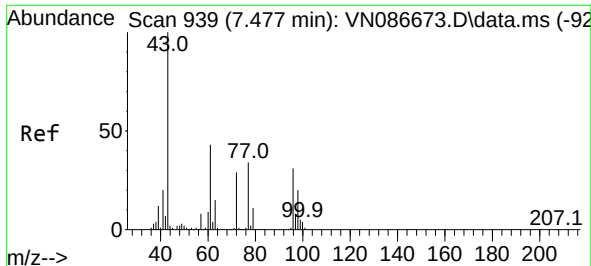
Tgt Ion: 43 Resp: 3552
Ion Ratio Lower Upper
43 100
74 17.6 20.5 30.7#



#20
Methylene Chloride
Concen: 1.962 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

Tgt Ion: 84 Resp: 6560
Ion Ratio Lower Upper
84 100
49 92.4 88.8 133.2
51 27.7 27.8 41.6#
86 65.4 49.8 74.6

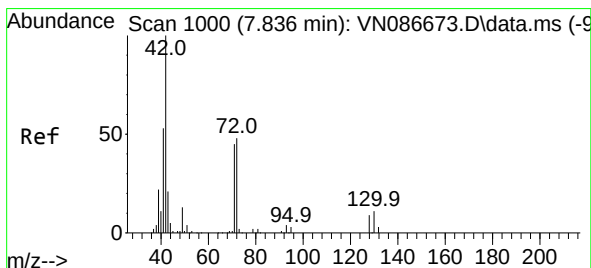
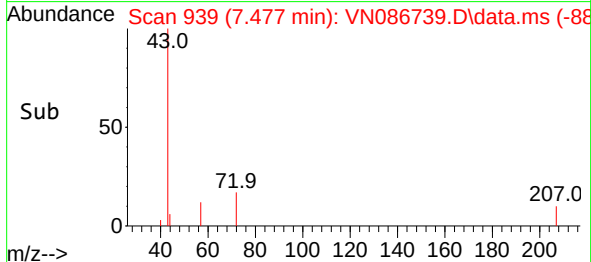
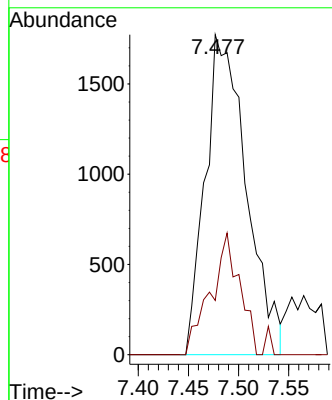
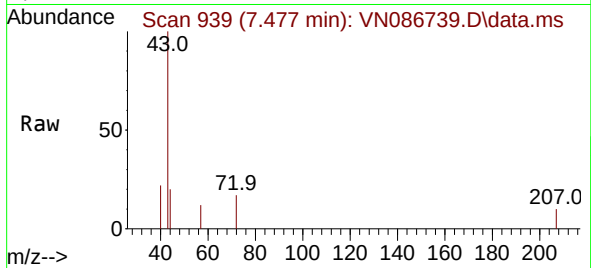




#25
2-Butanone
Concen: 2.584 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

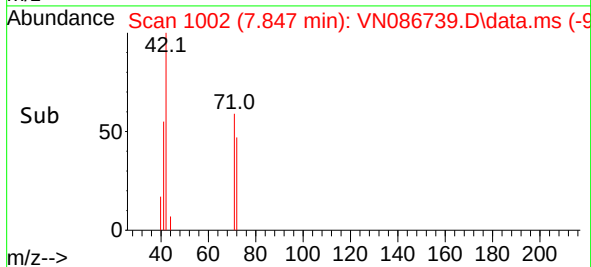
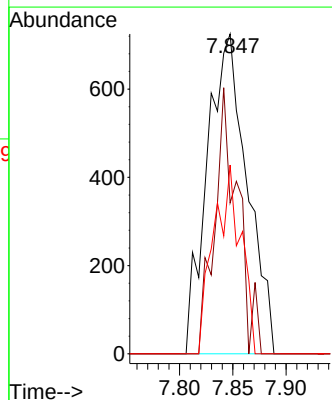
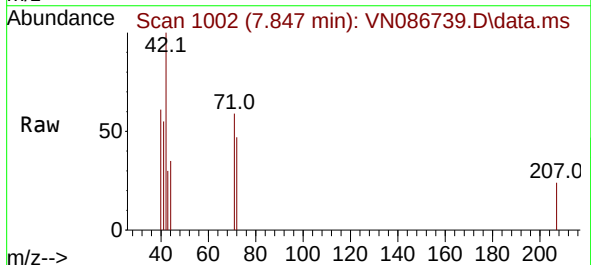
Instrument :
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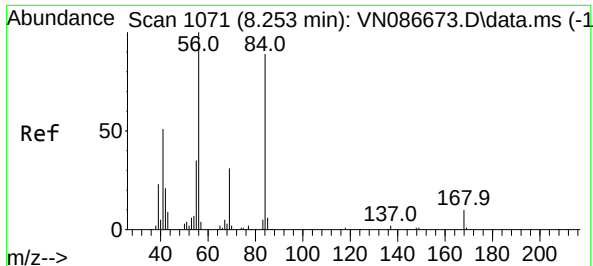
Tgt Ion: 43 Resp: 5058
Ion Ratio Lower Upper
43 100
72 17.0 23.1 34.7#



#29
Tetrahydrofuran
Concen: 1.479 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

Tgt Ion: 42 Resp: 1890
Ion Ratio Lower Upper
42 100
72 48.4 38.7 58.1
71 40.1 36.2 54.4

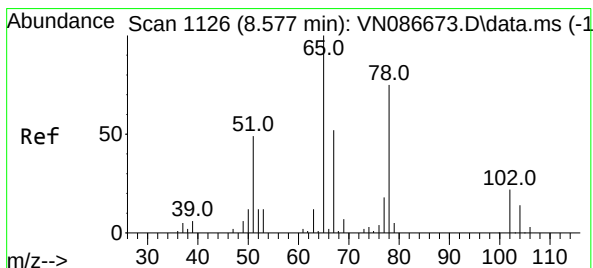
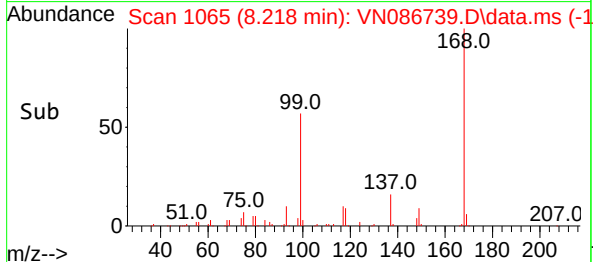
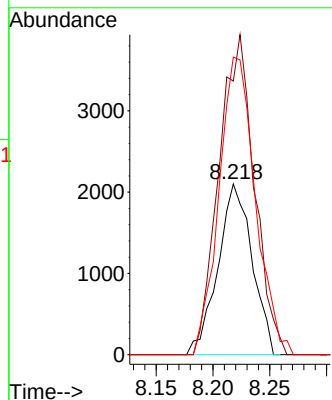
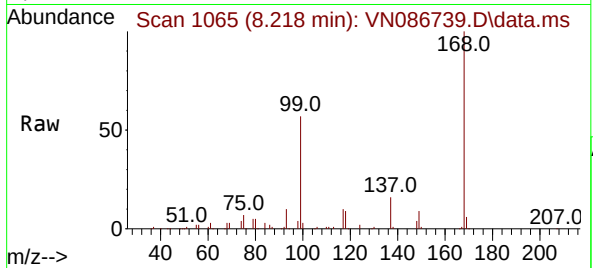




#31
Cyclohexane
Concen: 0.864 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

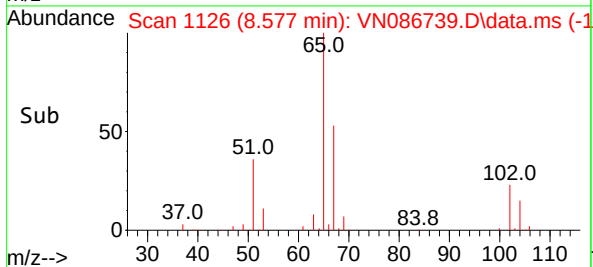
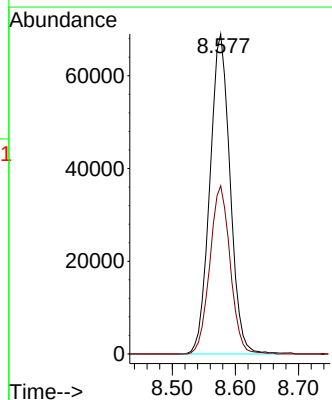
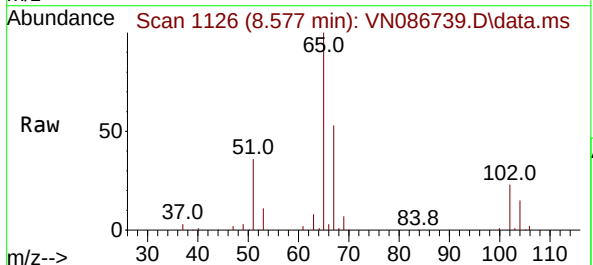
Instrument :
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VNJ-202

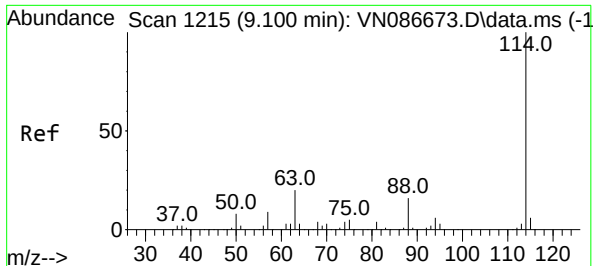
Tgt Ion: 56 Resp: 4391
Ion Ratio Lower Upper
56 100
69 160.2 25.0 37.6#
84 174.3 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 45.301 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

Tgt Ion: 65 Resp: 153430
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.4

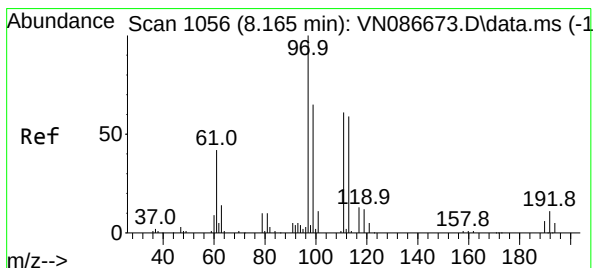
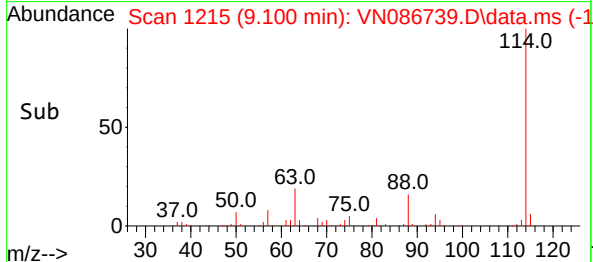
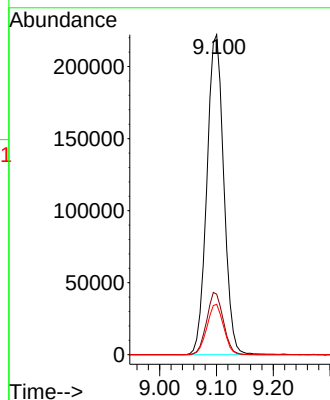
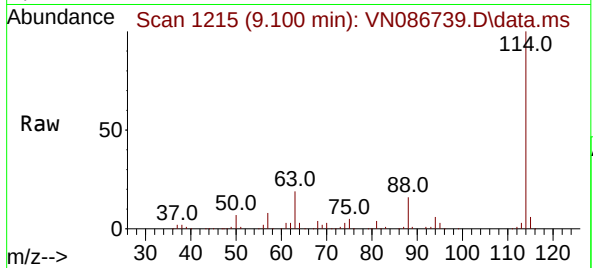




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

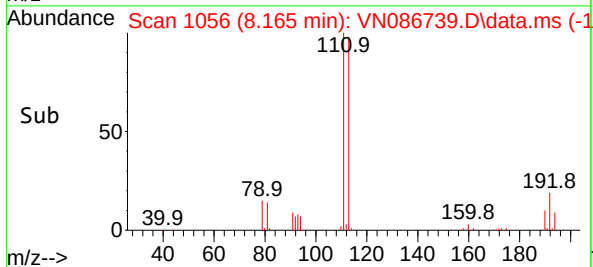
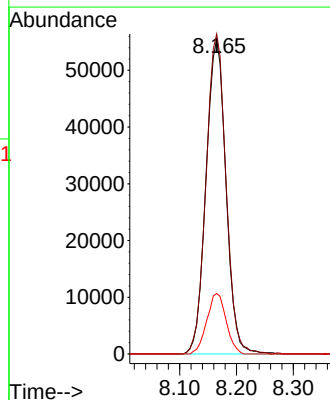
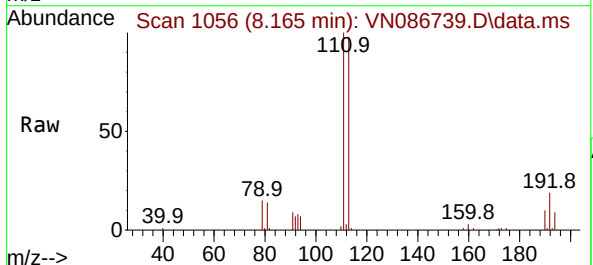
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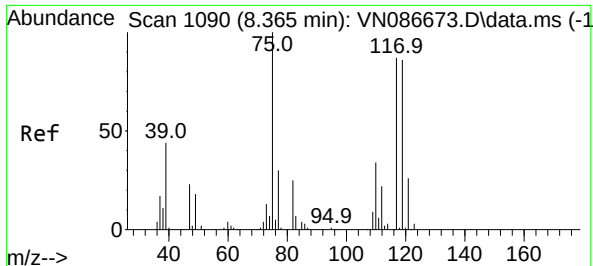
Tgt Ion:114 Resp: 456886
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.2
88 15.8 0.0 31.2



#35
Dibromofluoromethane
Concen: 49.560 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

Tgt Ion:113 Resp: 134850
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 18.6 13.8 20.8





#36

1,1-Dichloropropene

Concen: 4.563 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086739.D

Acq: 21 May 2025 18:18

Instrument :

MSVOA_N

ClientSampleId :

VNJ-202

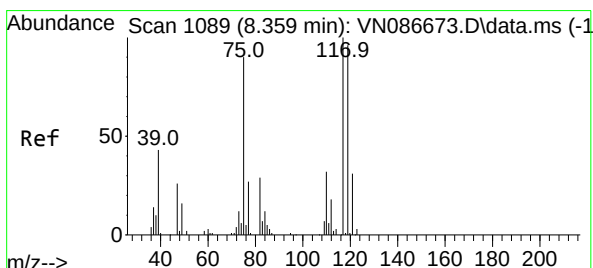
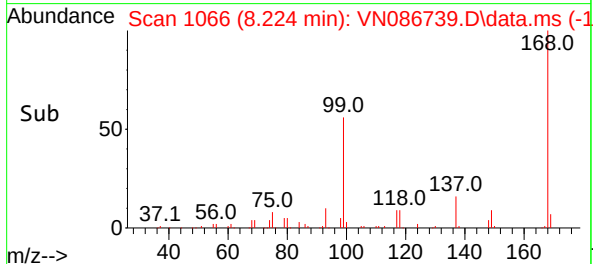
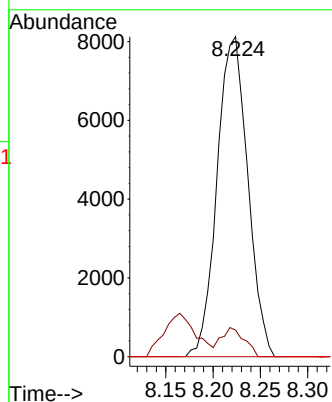
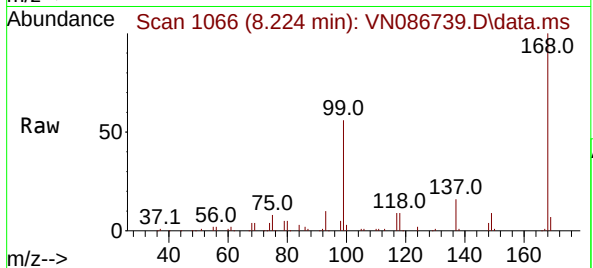
Tgt Ion: 75 Resp: 18314

Ion Ratio Lower Upper

75 100

110 6.8 17.5 52.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.949 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086739.D

Acq: 21 May 2025 18:18

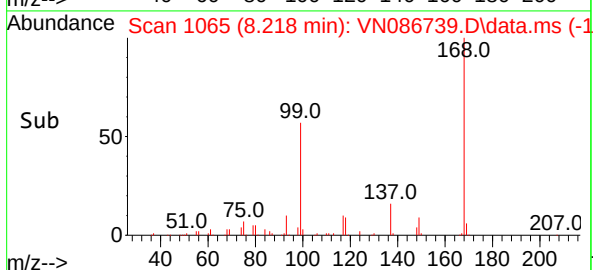
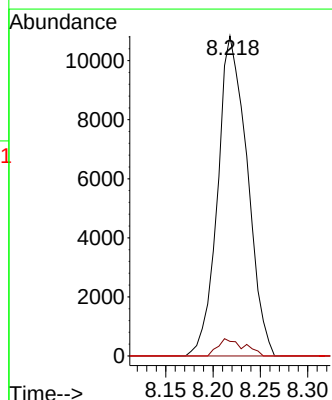
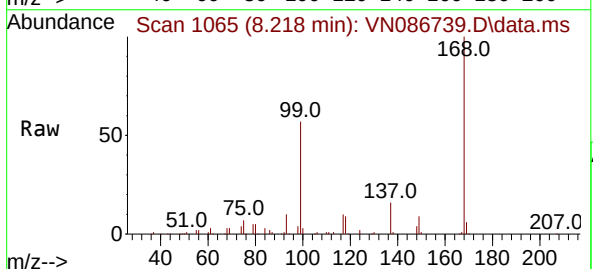
Tgt Ion: 117 Resp: 23526

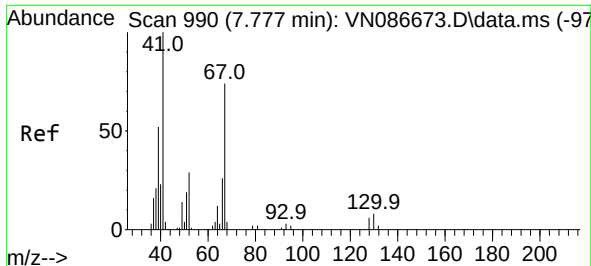
Ion Ratio Lower Upper

117 100

119 4.6 77.0 115.6#

121 0.0 25.0 37.6#

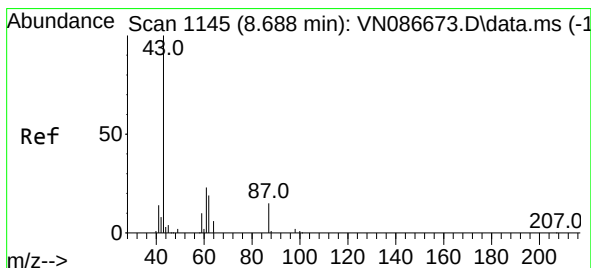
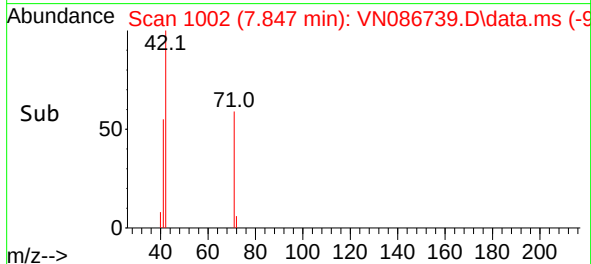
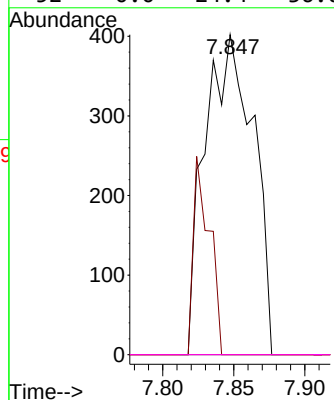
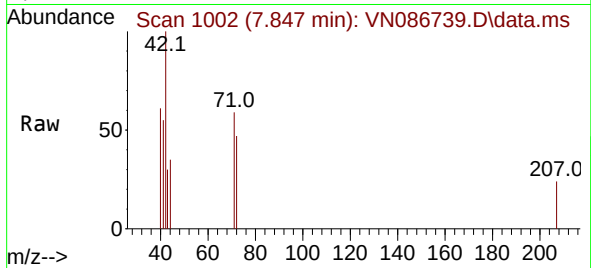




#41
Methacrylonitrile
Concen: 0.436 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

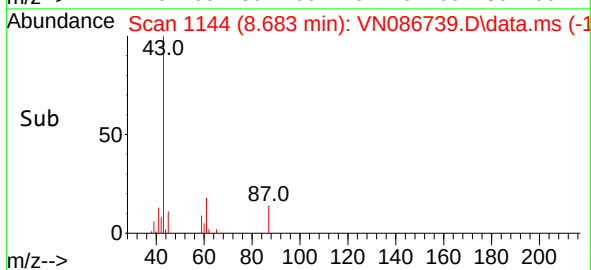
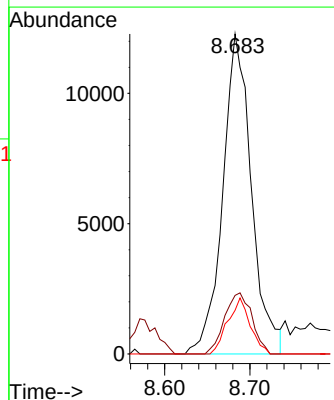
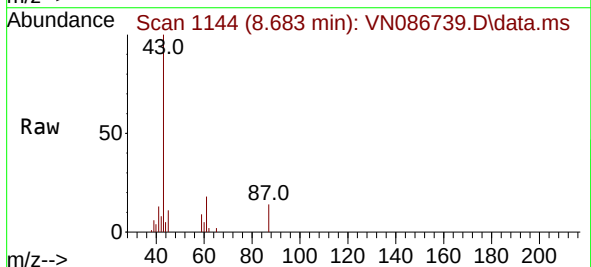
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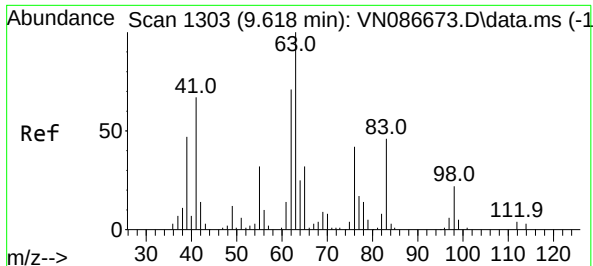
Tgt Ion: 41	Resp: 954
Ion Ratio	Lower Upper
41 100	
39 0.0	44.9 67.3#
67 0.0	63.4 95.0#
52 0.0	24.4 36.6#



#43
Isopropyl Acetate
Concen: 3.541 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

Tgt Ion: 43	Resp: 28780
Ion Ratio	Lower Upper
43 100	
61 18.2	21.4 32.2#
87 13.6	11.1 16.7





#45

1,2-Dichloropropane

Concen: 0.330 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN086739.D

Acq: 21 May 2025 18:18

Instrument :

MSVOA_N

ClientSampleId :

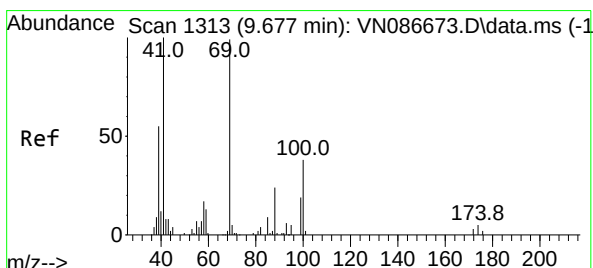
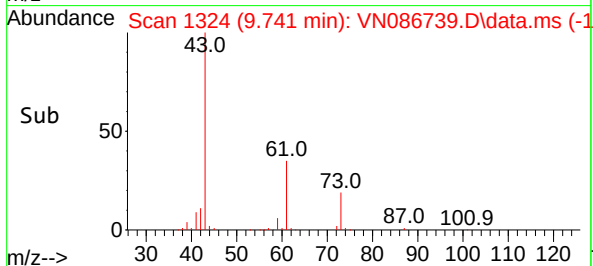
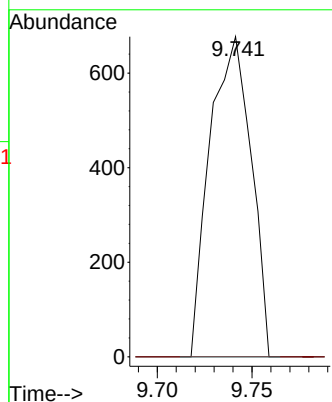
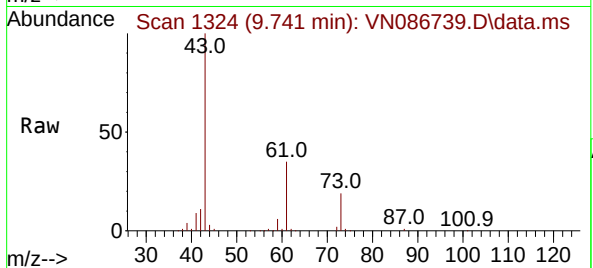
VNJ-202

Tgt Ion: 63 Resp: 1025

Ion Ratio Lower Upper

63 100

65 0.0 25.8 38.6#



#48

Methyl methacrylate

Concen: 22.391 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN086739.D

Acq: 21 May 2025 18:18

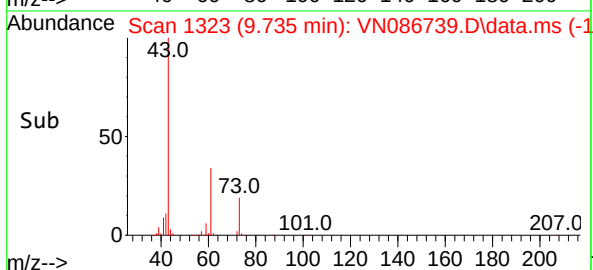
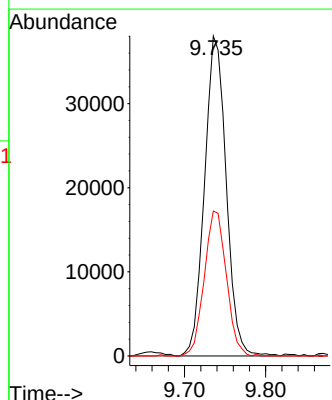
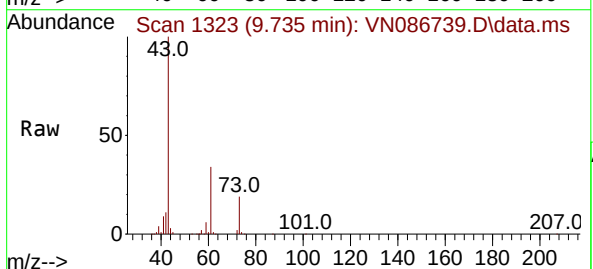
Tgt Ion: 41 Resp: 70518

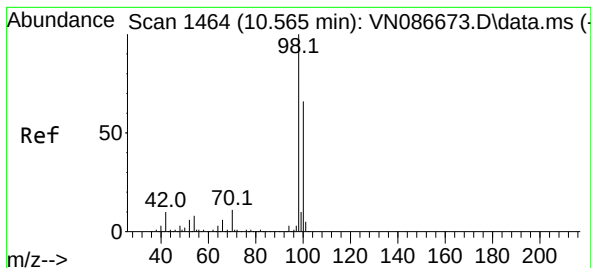
Ion Ratio Lower Upper

41 100

69 0.0 74.1 111.1#

39 46.1 44.1 66.1





#50

Toluene-d8

Concen: 51.743 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086739.D

Acq: 21 May 2025 18:18

Instrument :

MSVOA_N

ClientSampleId :

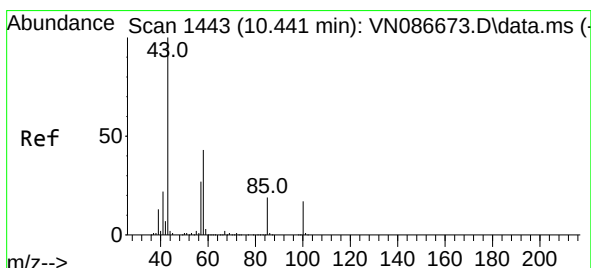
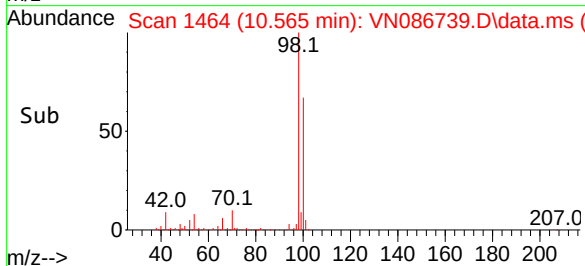
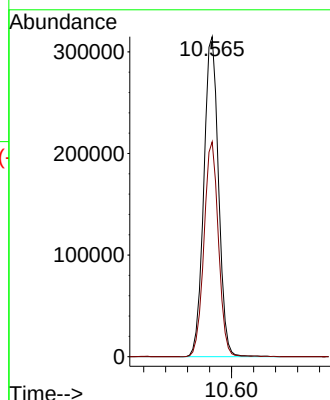
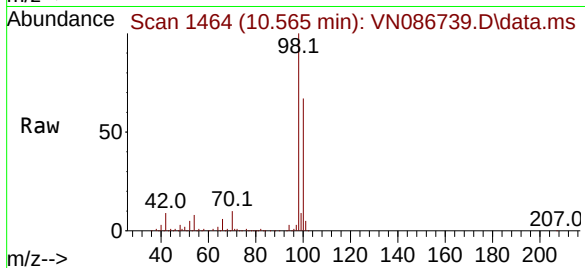
VNJ-202

Tgt Ion: 98 Resp: 583437

Ion Ratio Lower Upper

98 100

100 66.2 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 1.903 ug/l

RT: 10.471 min Scan# 1448

Delta R.T. 0.029 min

Lab File: VN086739.D

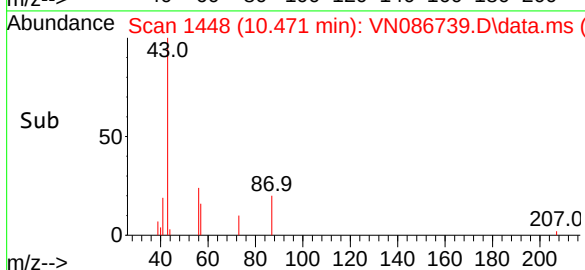
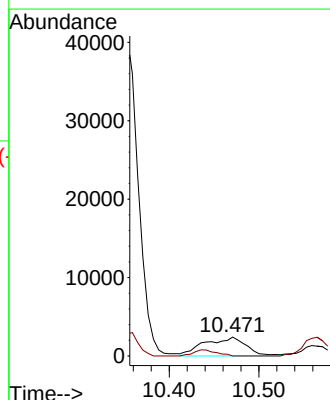
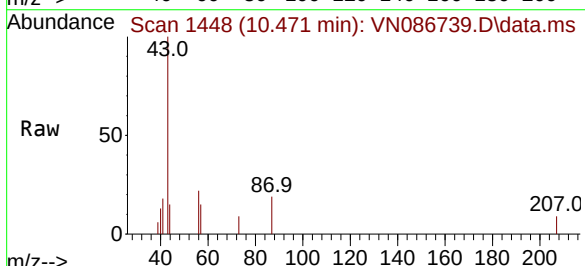
Acq: 21 May 2025 18:18

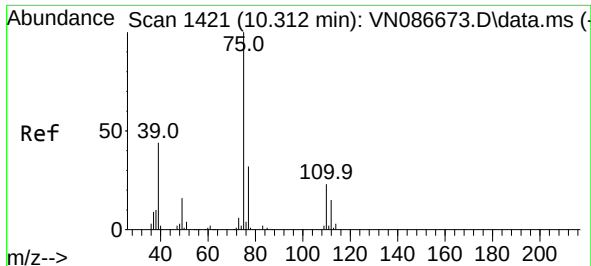
Tgt Ion: 43 Resp: 7798

Ion Ratio Lower Upper

43 100

58 0.0 33.9 50.9#

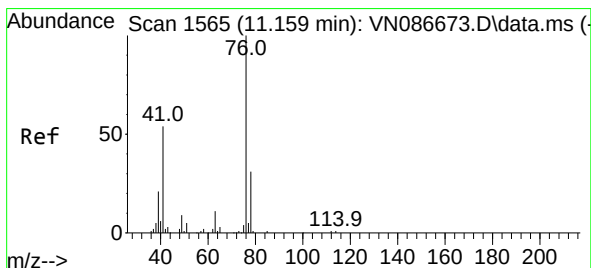
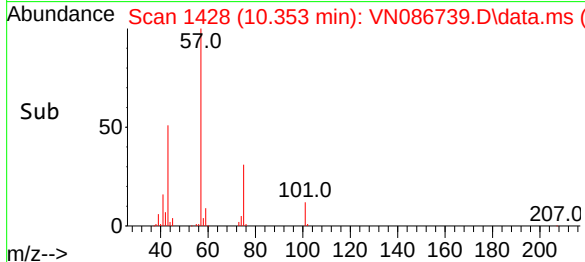
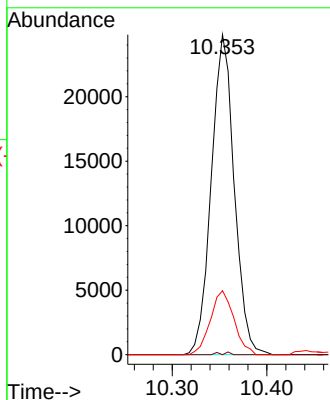
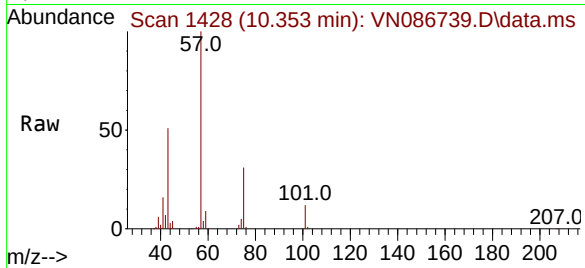




#54
 cis-1,3-Dichloropropene
 Concen: 8.351 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN086739.D
 Acq: 21 May 2025 18:18

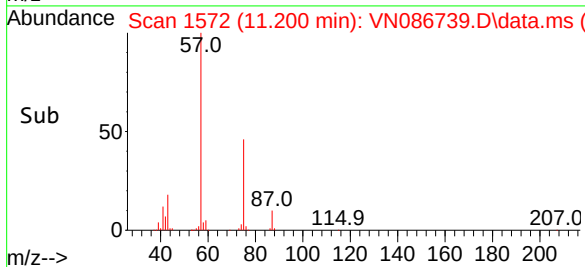
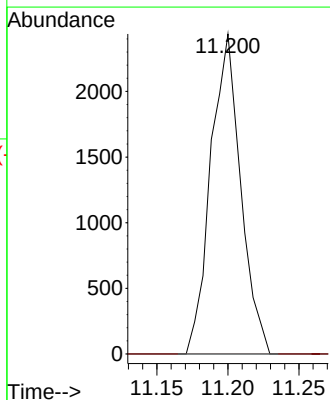
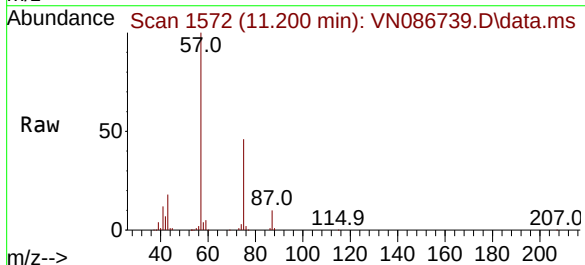
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-202

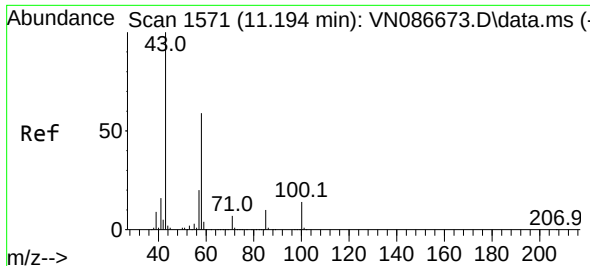
Tgt Ion: 75 Resp: 41735
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 20.0 35.2 52.8#



#57
 1,3-Dichloropropane
 Concen: 0.685 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.041 min
 Lab File: VN086739.D
 Acq: 21 May 2025 18:18

Tgt Ion: 76 Resp: 3582
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

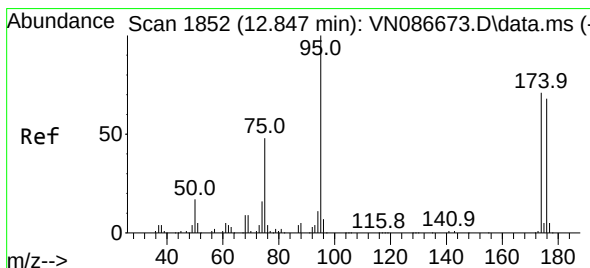
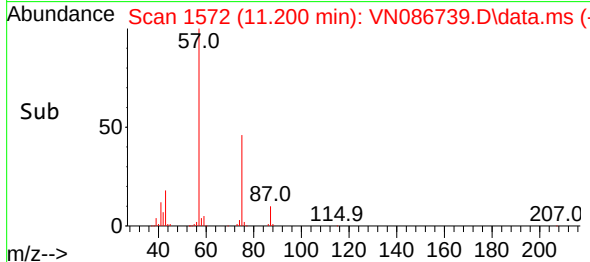
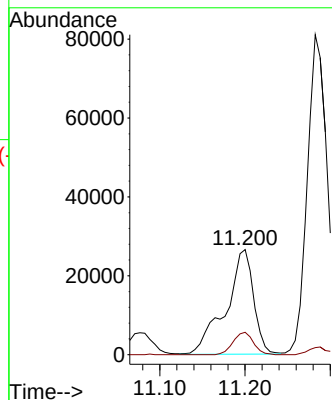
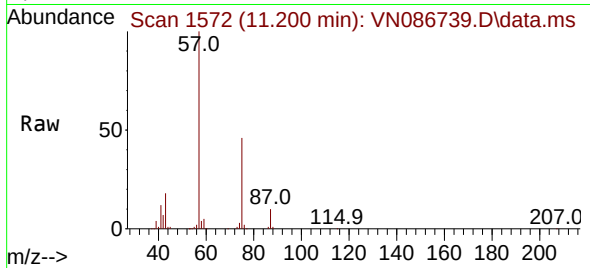




#59
2-Hexanone
Concen: 20.066 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

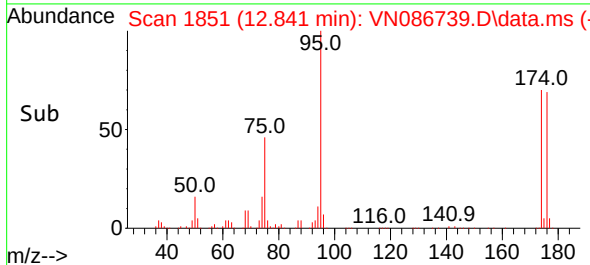
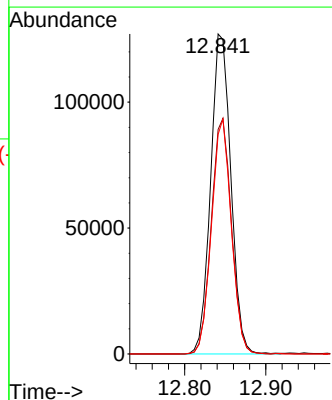
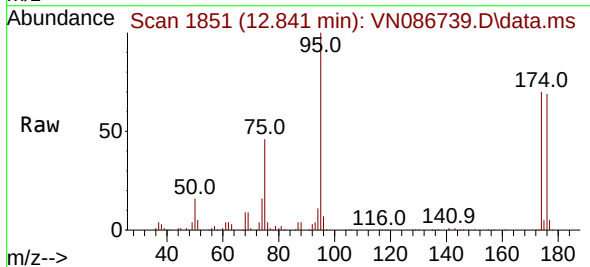
Instrument :
MSVOA_N
ClientSampleId :
VNJ-202

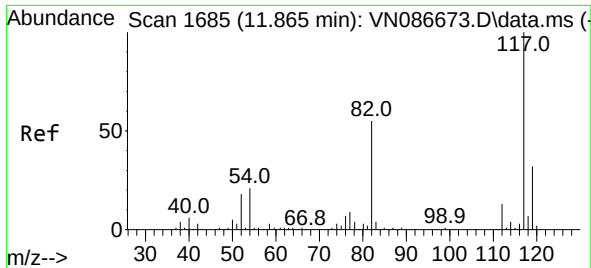
Tgt Ion: 43 Resp: 60058
Ion Ratio Lower Upper
43 100
58 15.7 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 55.238 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

Tgt Ion: 95 Resp: 219923
Ion Ratio Lower Upper
95 100
174 73.6 0.0 145.4
176 71.6 0.0 137.8

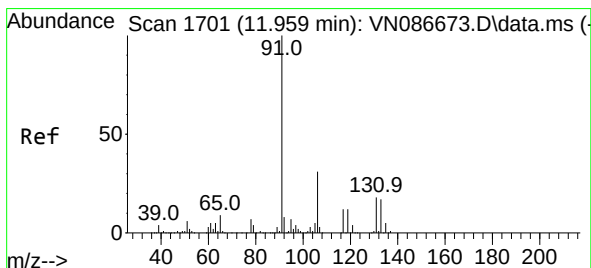
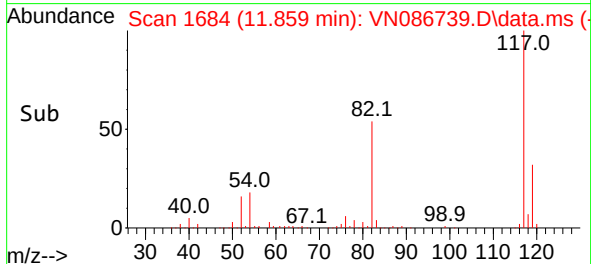
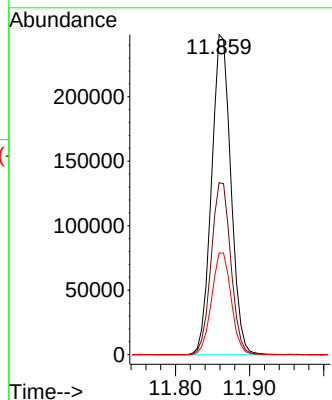
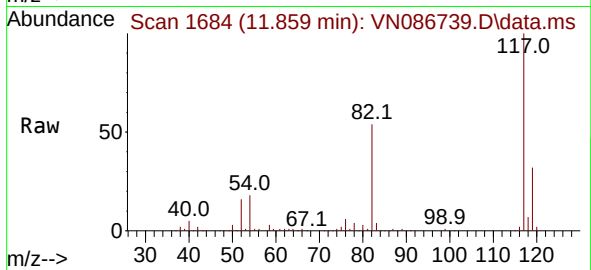




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

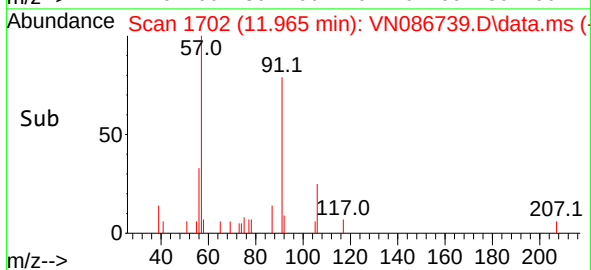
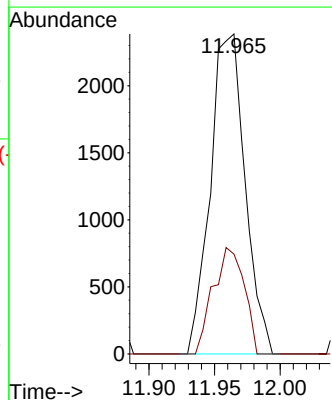
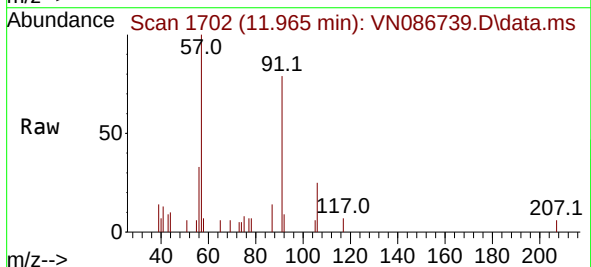
Instrument :
MSVOA_N
ClientSampleId :
VNJ-202

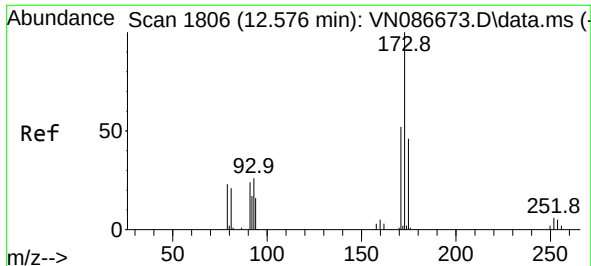
Tgt Ion:117 Resp: 449469
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 31.8 25.4 38.2



#67
Ethyl Benzene
Concen: 0.260 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

Tgt Ion: 91 Resp: 4394
Ion Ratio Lower Upper
91 100
106 31.2 24.6 36.8

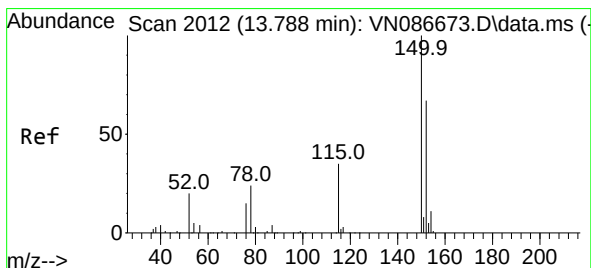
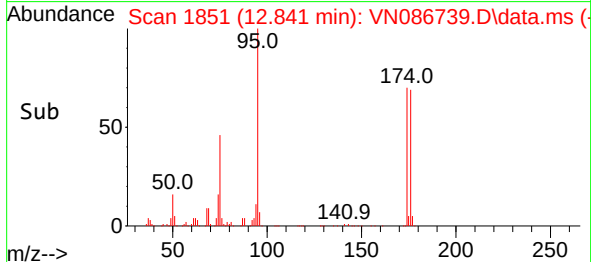
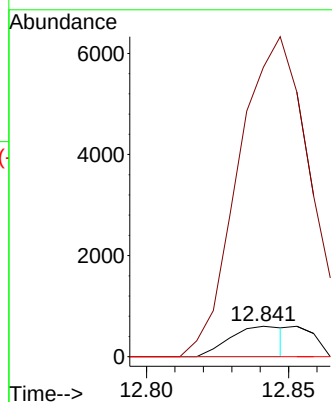
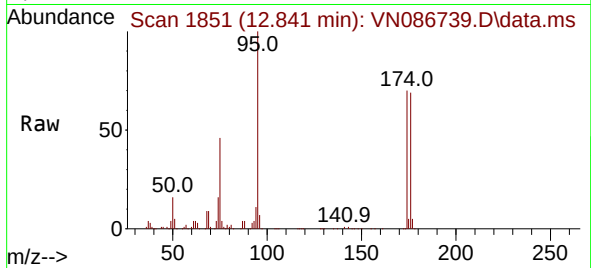




#71
Bromoform
Concen: 0.352 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

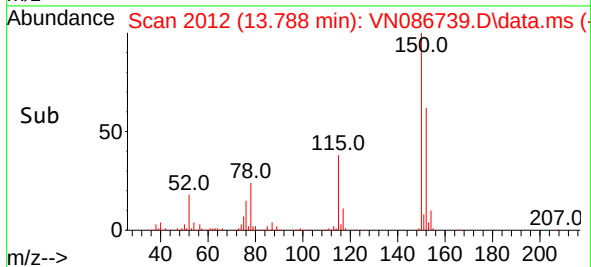
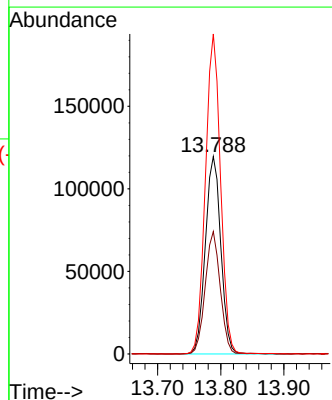
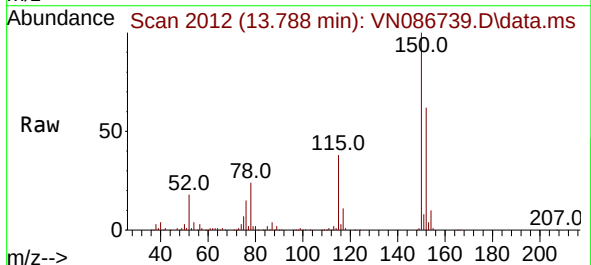
Instrument :
MSVOA_N
ClientSampleId :
VNJ-202

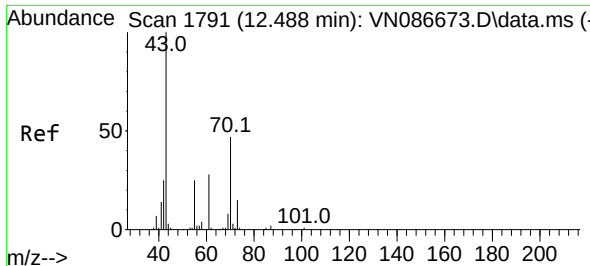
Tgt Ion:173 Resp: 796
Ion Ratio Lower Upper
173 100
175 1160.7 23.4 70.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

Tgt Ion:152 Resp: 203767
Ion Ratio Lower Upper
152 100
115 60.5 30.0 90.1
150 157.9 0.0 347.8

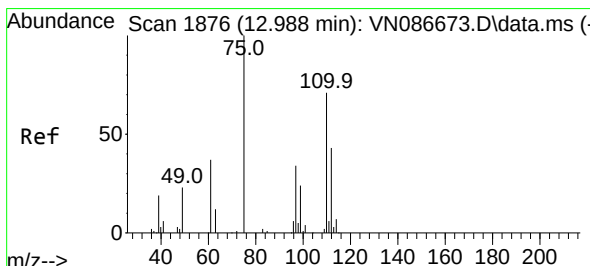
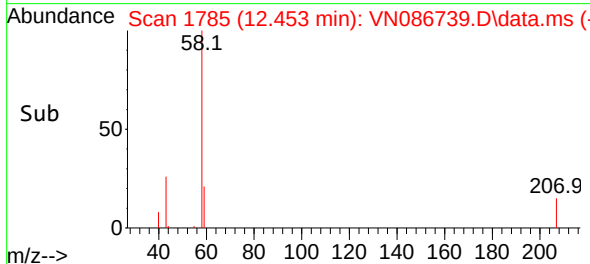
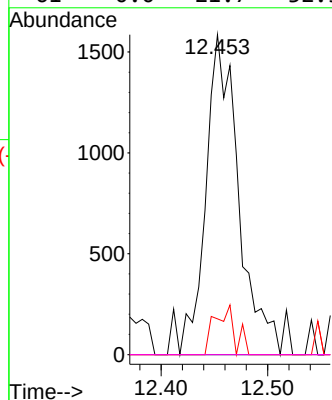
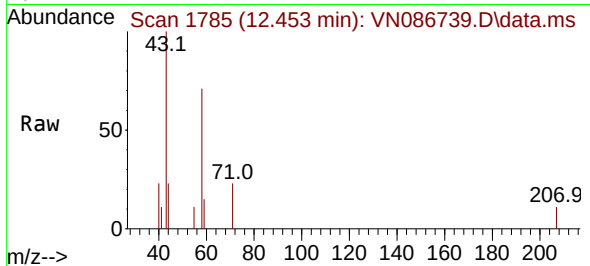




#74
N-amy1 acetate
Concen: 0.514 ug/l
RT: 12.453 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

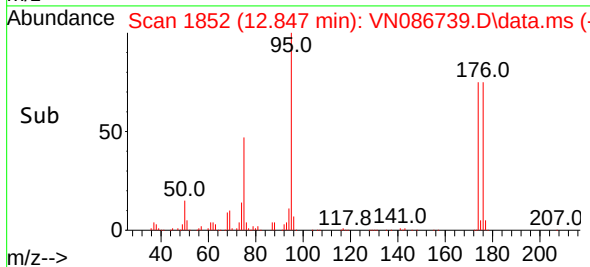
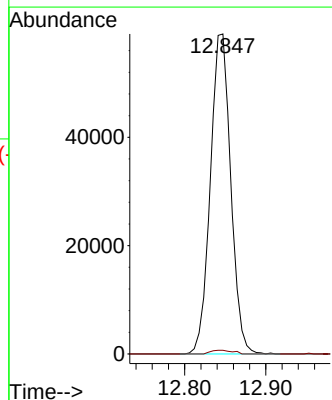
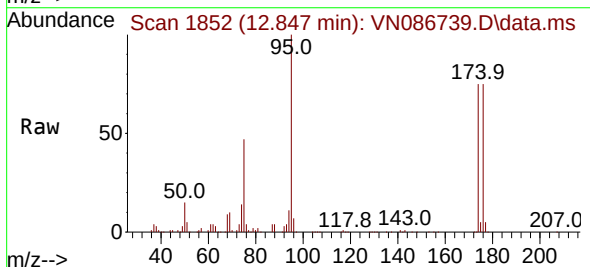
Instrument :
MSVOA_N
ClientSampleId :
VNJ-202

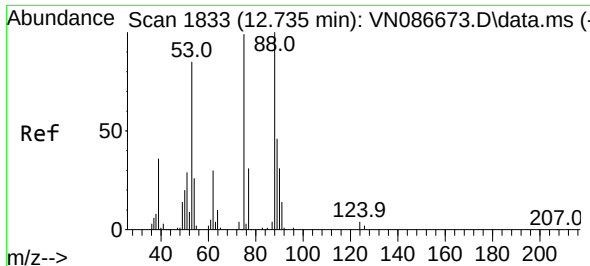
Tgt Ion: 43 Resp: 3381
Ion Ratio Lower Upper
43 100
70 0.0 37.9 56.9#
55 9.7 20.5 30.7#
61 0.0 21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 22.381 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

Tgt Ion: 75 Resp: 103141
Ion Ratio Lower Upper
75 100
77 1.2 96.0 288.1#

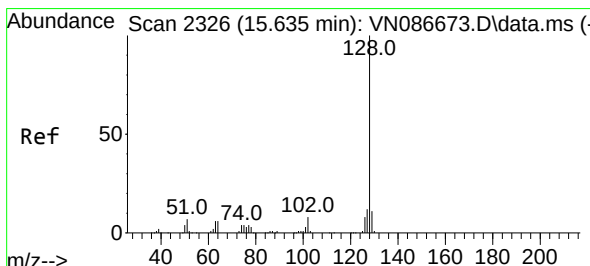
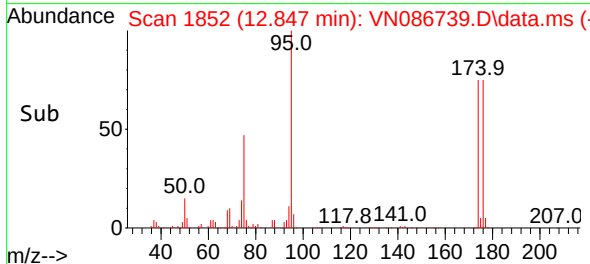
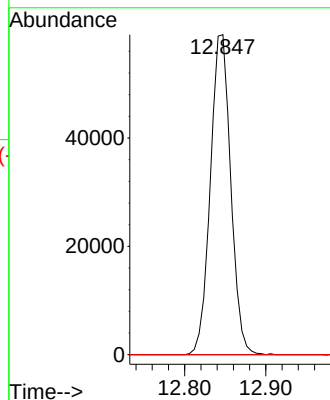
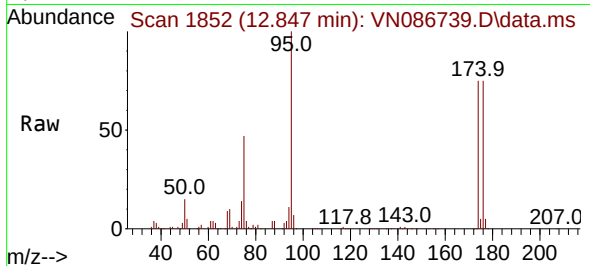




#81
trans-1,4-Dichloro-2-butene
Concen: 56.482 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

Instrument :
MSVOA_N
ClientSampleId :
VNJ-202

Tgt Ion: 75 Resp: 103141
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#



#95
Naphthalene
Concen: 13.615 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086739.D
Acq: 21 May 2025 18:18

Tgt Ion:128 Resp: 130113
Ion Ratio Lower Upper
128 100
127 12.5 10.1 15.1
129 10.8 8.6 13.0

