

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011725\
 Data File : VN085496.D
 Acq On : 17 Jan 2025 16:24
 Operator : JC\MD
 Sample : Q1115-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-214

Quant Time: Jan 17 22:38:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

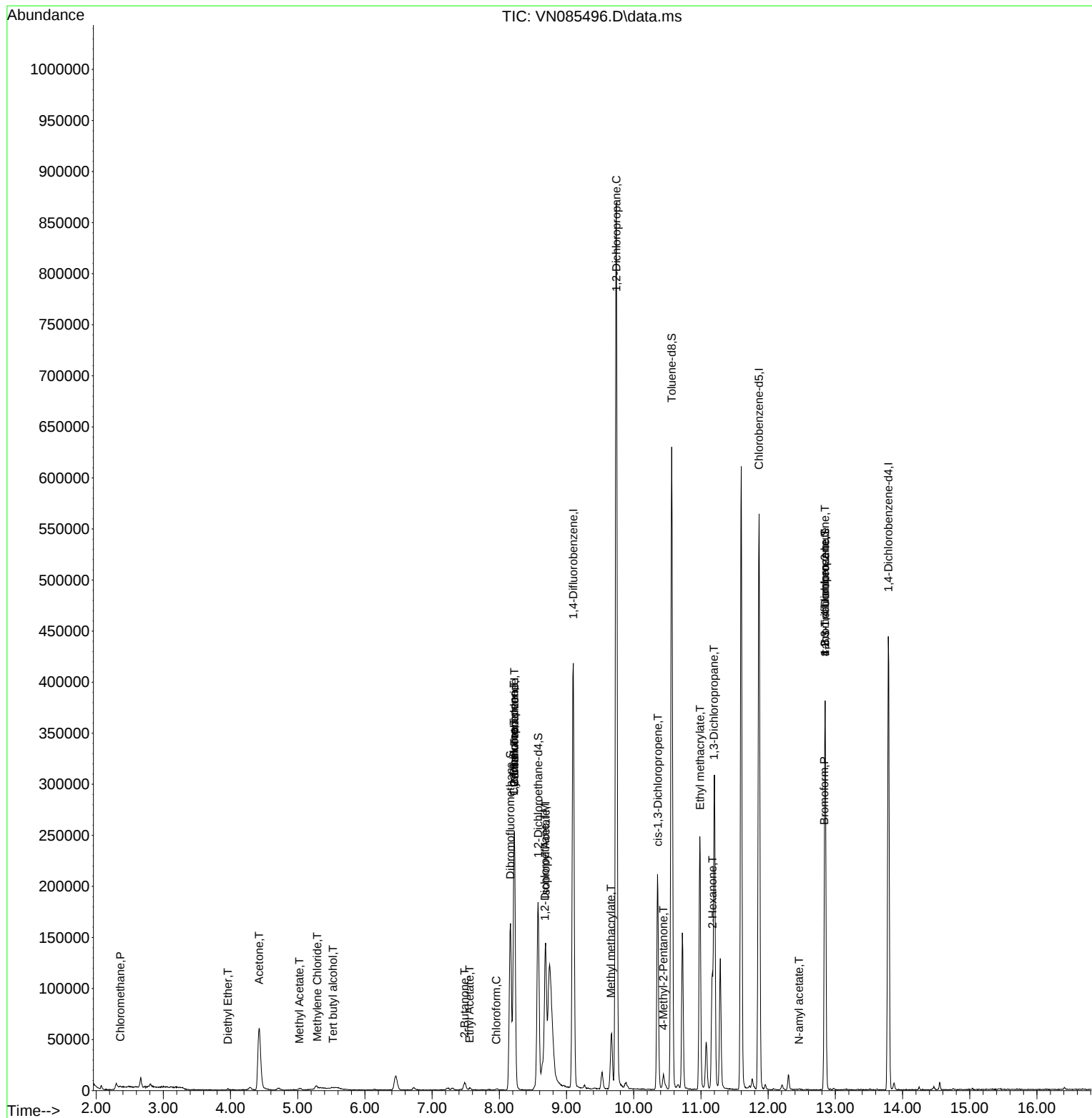
Internal Standards						
1) Pentafluorobenzene	8.224	168	169146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	337616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	300873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	155432	56.927	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.860%			
35) Dibromofluoromethane	8.165	113	115916	49.490	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.980%			
50) Toluene-d8	10.565	98	418688	50.312	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.620%			
62) 4-Bromofluorobenzene	12.847	95	124112	43.598	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.200%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	520	0.210	ug/l #	61
8) Diethyl Ether	3.959	74	411	0.329	ug/l #	1
11) Tert butyl alcohol	5.524	59	1230	3.934	ug/l #	71
16) Acetone	4.424	43	116675	132.254	ug/l	97
18) Methyl Acetate	5.024	43	1878	0.700	ug/l #	85
20) Methylene Chloride	5.289	84	2317	1.061	ug/l #	77
25) 2-Butanone	7.483	43	12282	9.460	ug/l #	90
30) Chloroform	7.953	83	1365	0.331	ug/l #	79
31) Cyclohexane	8.218	56	4689	1.353	ug/l #	14
36) 1,1-Dichloropropene	8.218	75	16748	5.095	ug/l #	51
37) Ethyl Acetate	7.559	43	3435	1.035	ug/l #	80
38) Carbon Tetrachloride	8.224	117	20317	5.399	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	989	0.266	ug/l #	76
43) Isopropyl Acetate	8.688	43	183158	34.450	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	985	0.390	ug/l #	43
48) Methyl methacrylate	9.659	41	3594	1.502	ug/l #	45
51) 4-Methyl-2-Pentanone	10.441	43	12837	4.161	ug/l	87
54) cis-1,3-Dichloropropene	10.359	75	34183	9.131	ug/l #	66
56) Ethyl methacrylate	10.988	69	1492	2.307	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	2854	0.725	ug/l #	43
59) 2-Hexanone	11.171	43	92851	42.772	ug/l #	26
71) Bromoform	12.835	173	838	0.484	ug/l #	28
74) N-amyl acetate	12.459	43	1558	0.453	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	69623	30.231	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69623	81.793	ug/l #	3

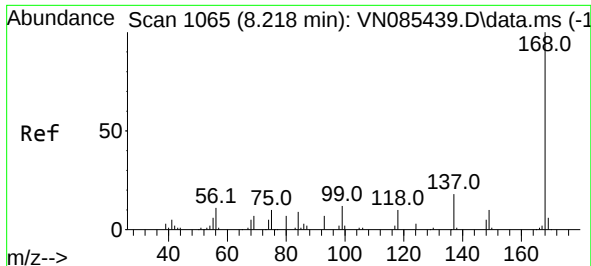
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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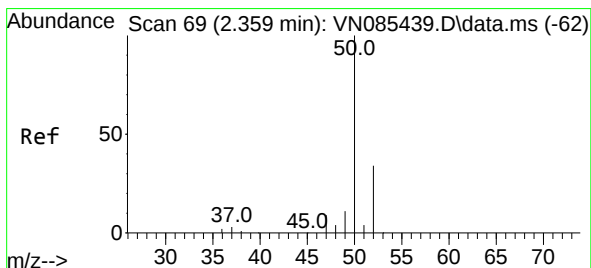
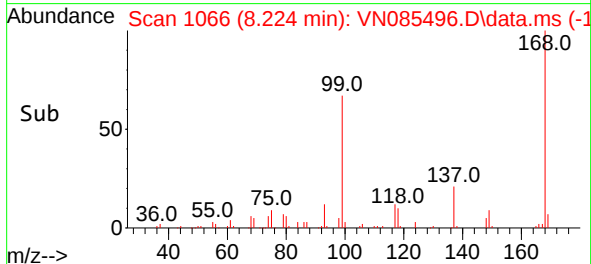
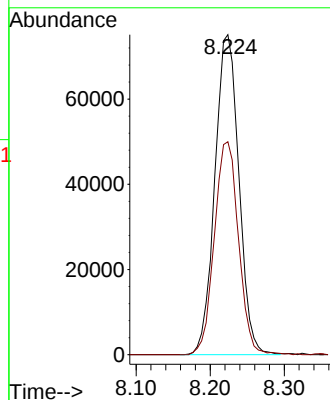
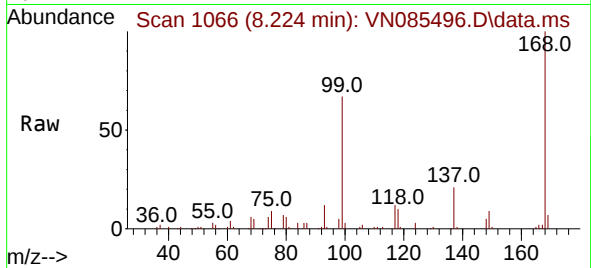




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085496.D
Acq: 17 Jan 2025 16:24

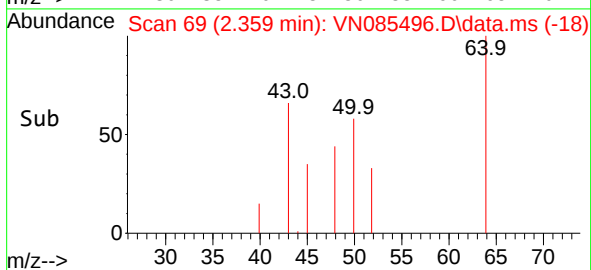
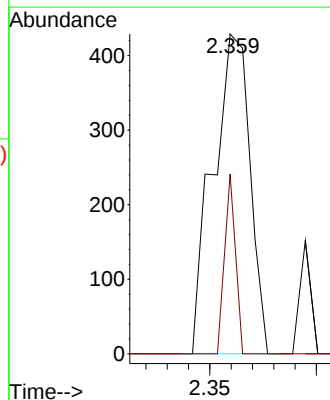
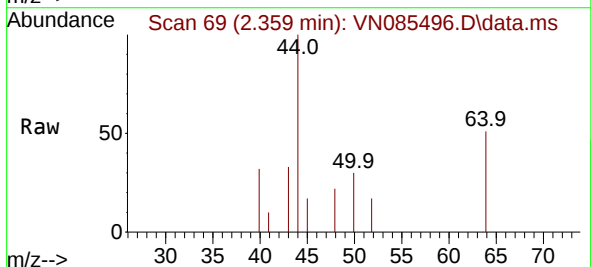
Instrument :
MSVOA_N
ClientSampleId :
VNJ-214

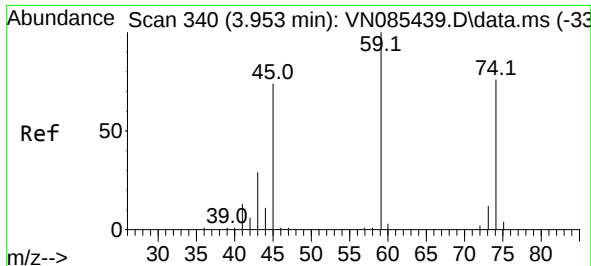
Tgt Ion:168 Resp: 169146
Ion Ratio Lower Upper
168 100
99 66.6 53.6 80.4



#3
Chloromethane
Concen: 0.210 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085496.D
Acq: 17 Jan 2025 16:24

Tgt Ion: 50 Resp: 520
Ion Ratio Lower Upper
50 100
52 56.2 27.0 40.6#





#8

Diethyl Ether

Concen: 0.329 ug/l

RT: 3.959 min Scan# 341

Delta R.T. 0.006 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

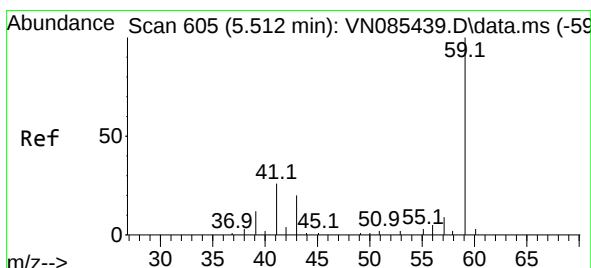
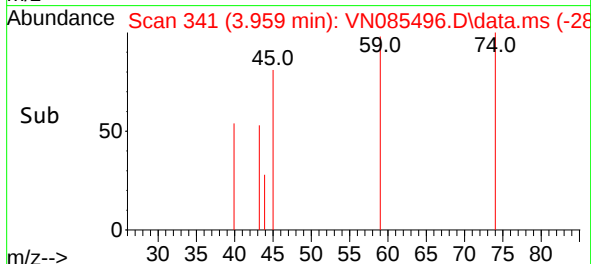
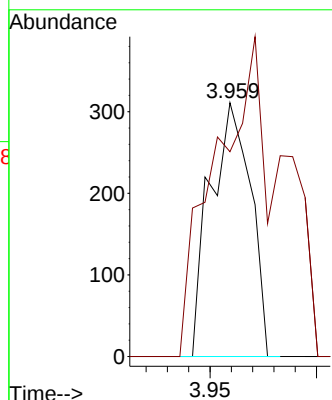
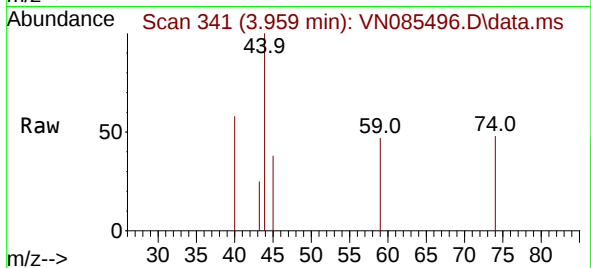
VNJ-214

Tgt Ion: 74 Resp: 411

Ion Ratio Lower Upper

74 100

45 207.5 49.7 149.1#



#11

Tert butyl alcohol

Concen: 3.934 ug/l

RT: 5.524 min Scan# 607

Delta R.T. 0.012 min

Lab File: VN085496.D

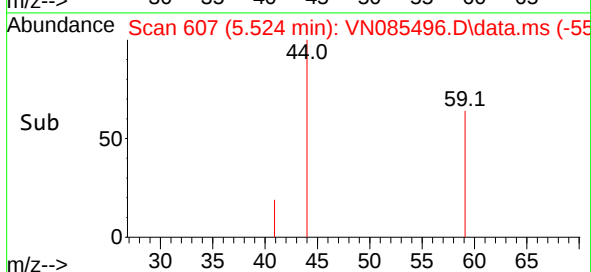
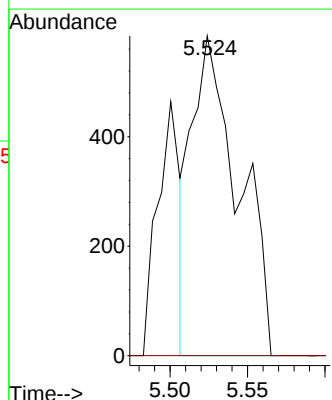
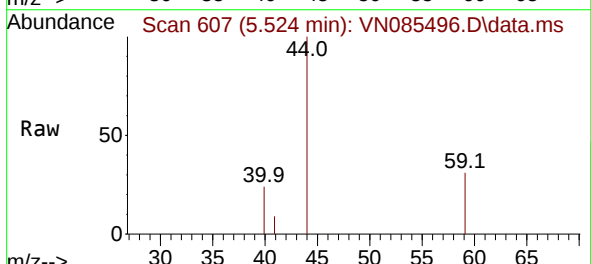
Acq: 17 Jan 2025 16:24

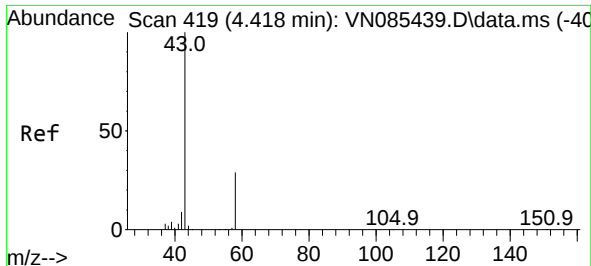
Tgt Ion: 59 Resp: 1230

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#

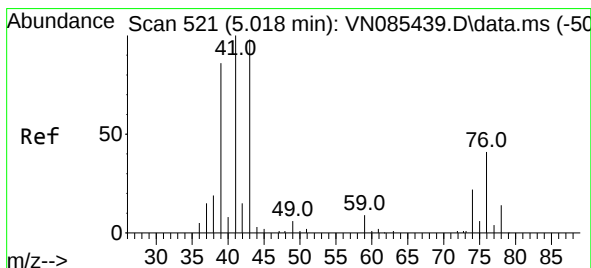
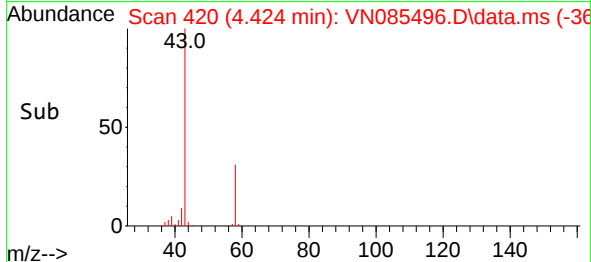
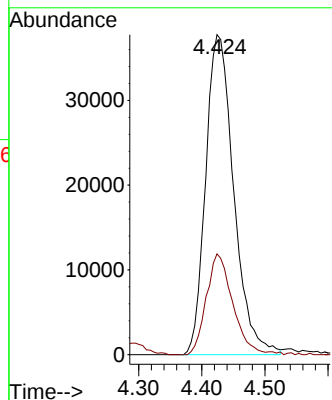
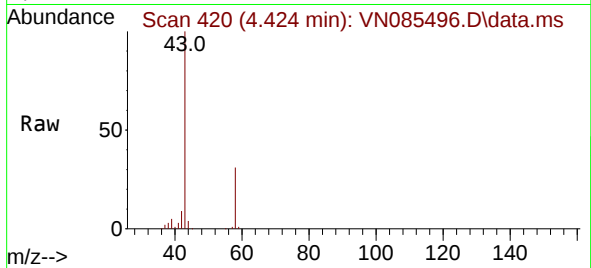




#16
Acetone
Concen: 132.254 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN085496.D
Acq: 17 Jan 2025 16:24

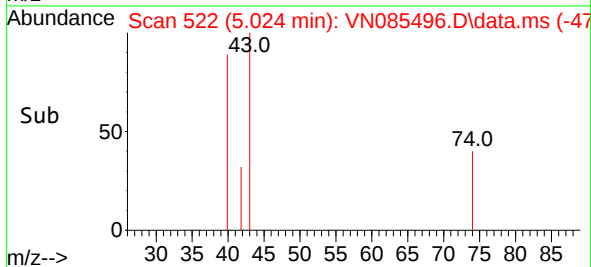
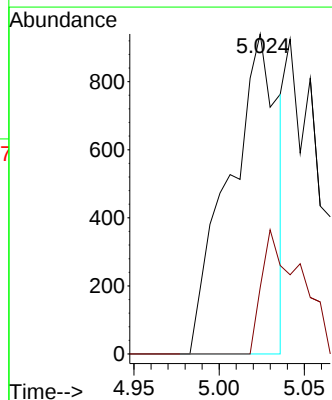
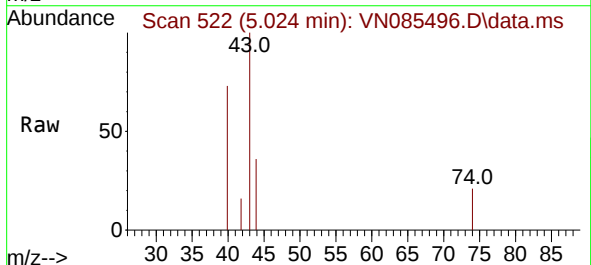
Instrument :
MSVOA_N
ClientSampleId :
VNJ-214

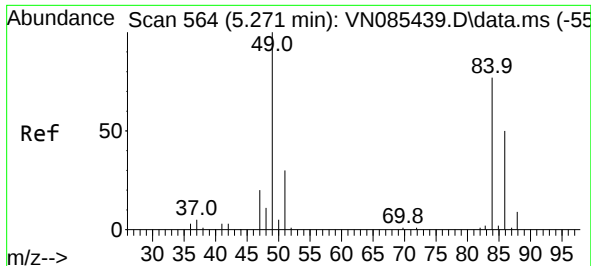
Tgt Ion: 43 Resp: 116675
Ion Ratio Lower Upper
43 100
58 31.5 23.8 35.6



#18
Methyl Acetate
Concen: 0.700 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085496.D
Acq: 17 Jan 2025 16:24

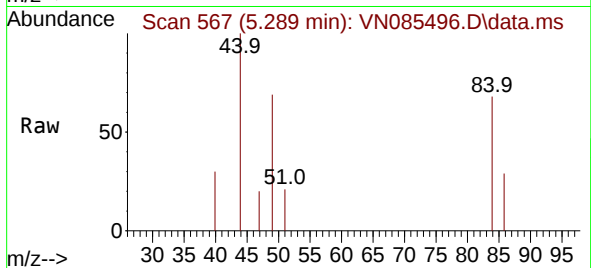
Tgt Ion: 43 Resp: 1878
Ion Ratio Lower Upper
43 100
74 30.8 18.6 28.0#





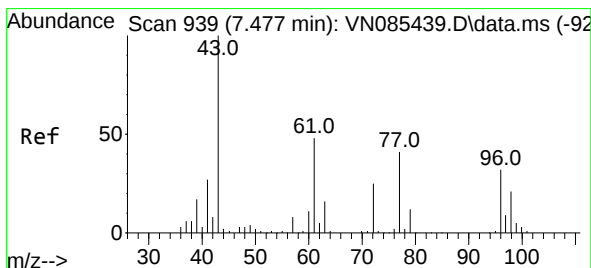
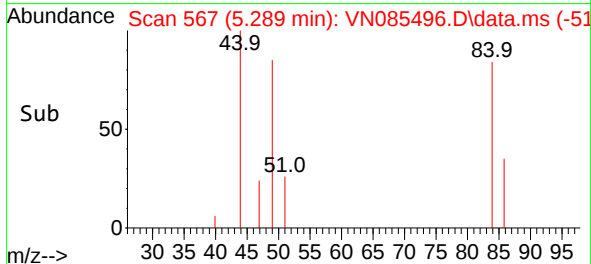
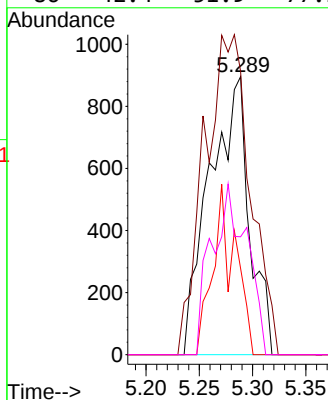
#20
Methylene Chloride
Concen: 1.061 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN085496.D
Acq: 17 Jan 2025 16:24

Instrument :
MSVOA_N
ClientSampleId :
VNJ-214



Tgt Ion: 84 Resp: 2317

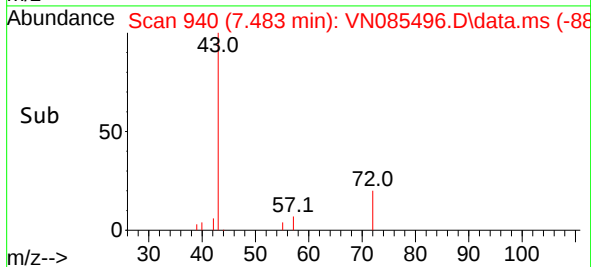
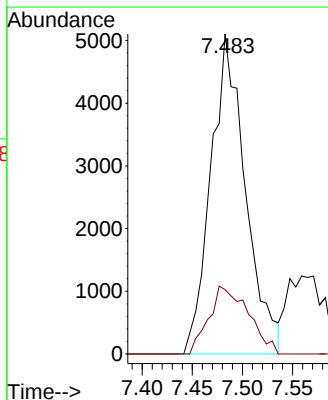
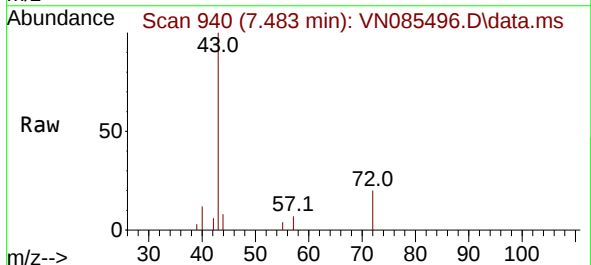
Ion	Ratio	Lower	Upper
84	100		
49	101.9	104.1	156.1#
51	31.0	31.0	46.4
86	42.4	51.9	77.9#

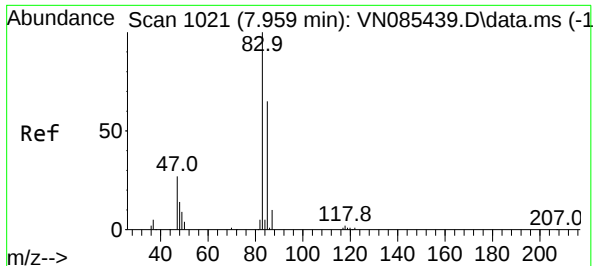


#25
2-Butanone
Concen: 9.460 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085496.D
Acq: 17 Jan 2025 16:24

Tgt Ion: 43 Resp: 12282

Ion	Ratio	Lower	Upper
43	100		
72	20.1	20.2	30.4#





#30

Chloroform

Concen: 0.331 ug/l

RT: 7.953 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

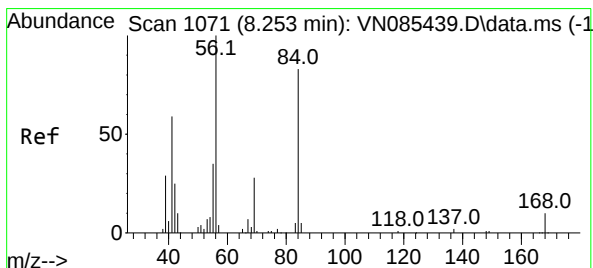
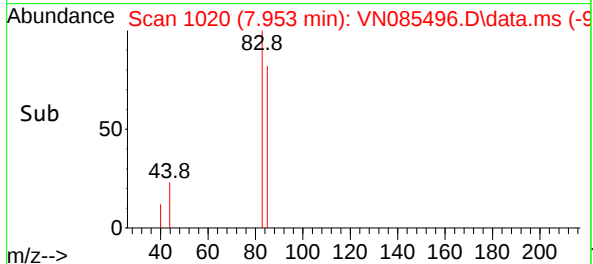
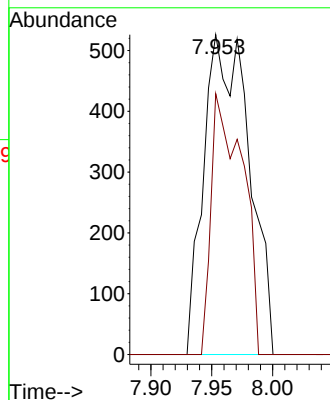
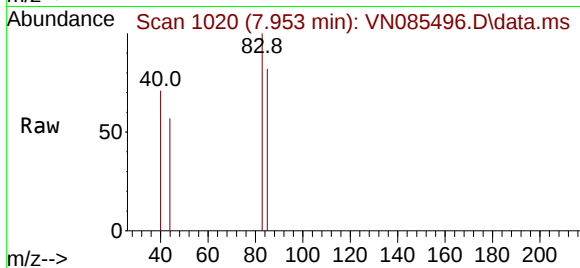
VNJ-214

Tgt Ion: 83 Resp: 1365

Ion Ratio Lower Upper

83 100

85 81.6 51.8 77.6#



#31

Cyclohexane

Concen: 1.353 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

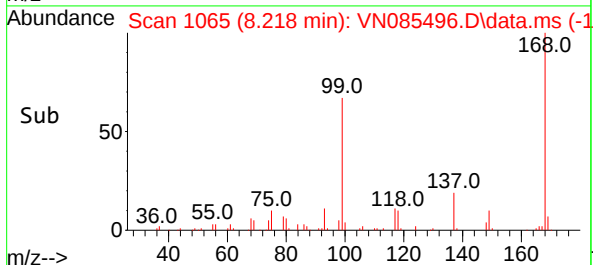
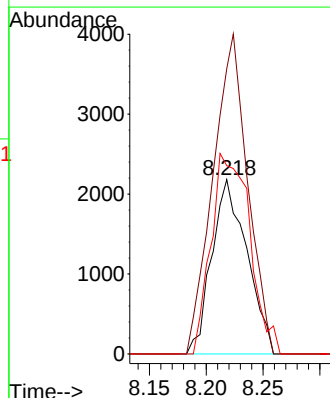
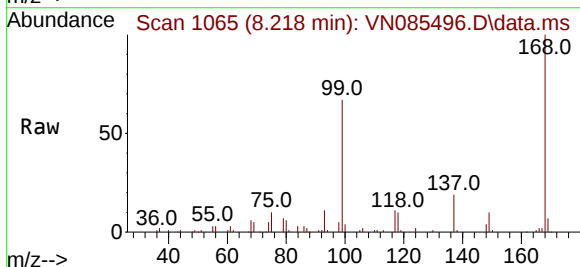
Tgt Ion: 56 Resp: 4689

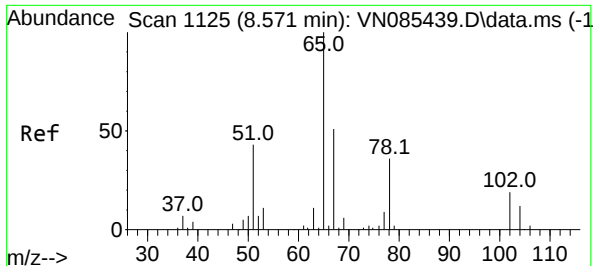
Ion Ratio Lower Upper

56 100

69 163.6 22.2 33.4#

84 108.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 56.927 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

Instrument :

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ClientSampleId :

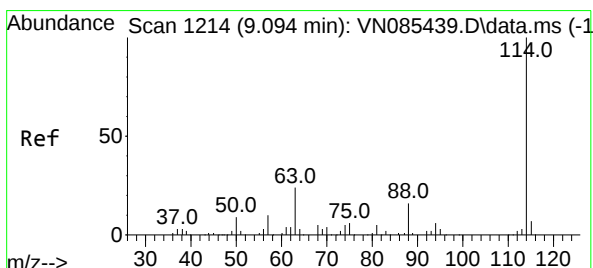
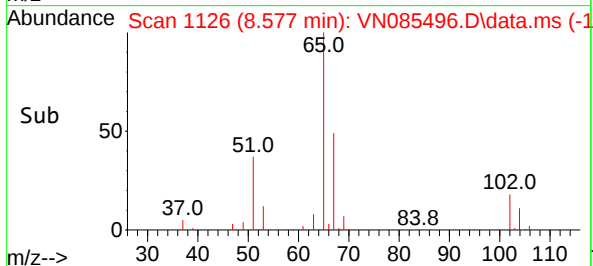
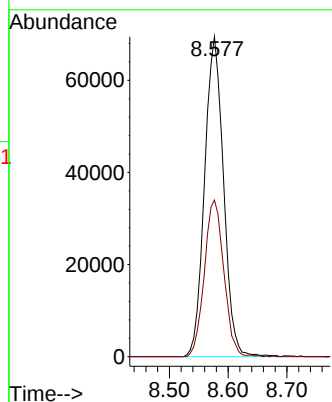
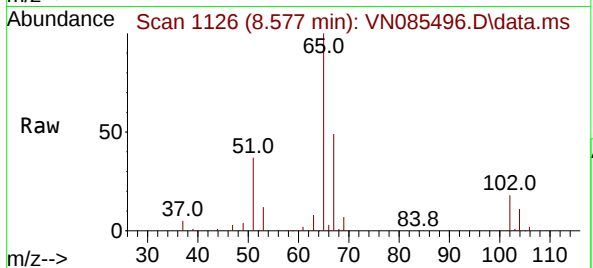
VNJ-214

Tgt Ion: 65 Resp: 155432

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

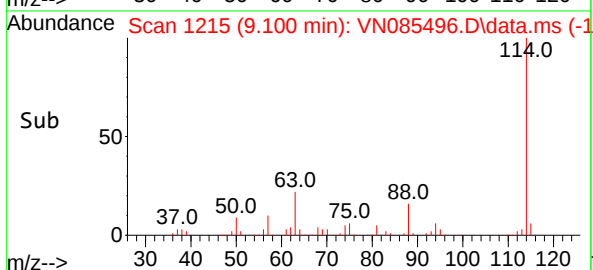
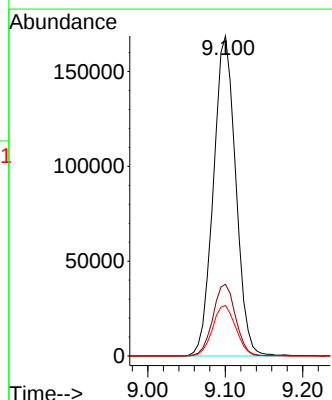
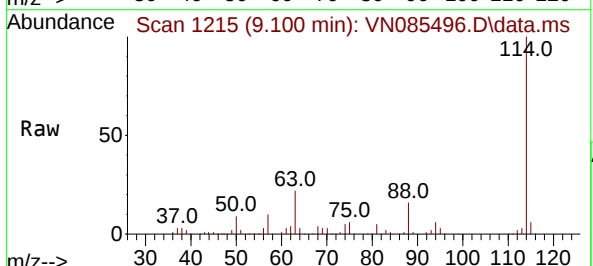
Tgt Ion: 114 Resp: 337616

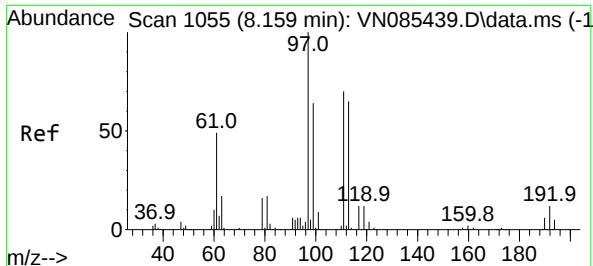
Ion Ratio Lower Upper

114 100

63 22.4 0.0 47.6

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.490 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

VNJ-214

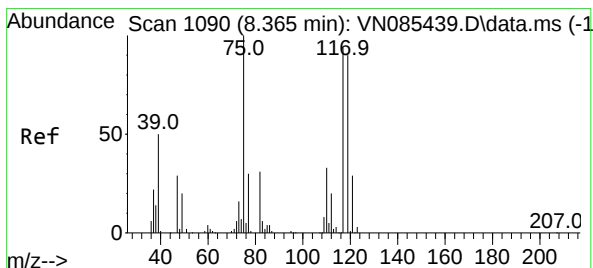
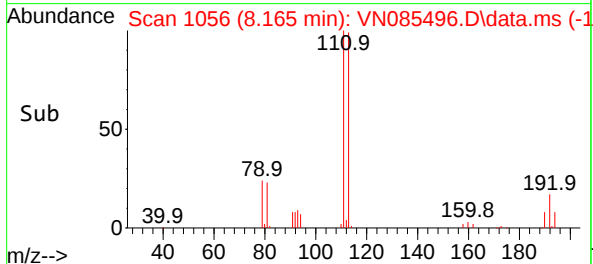
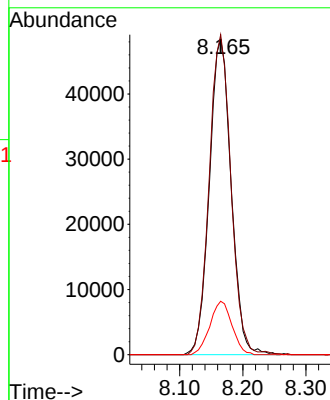
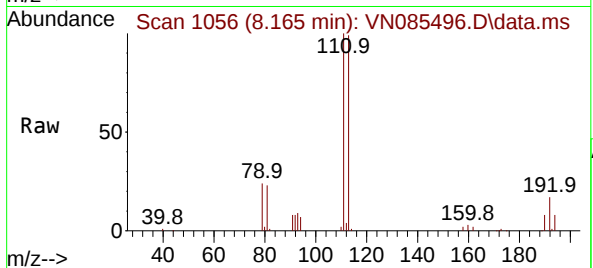
Tgt Ion:113 Resp: 115916

Ion Ratio Lower Upper

113 100

111 101.4 82.7 124.1

192 17.2 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.095 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

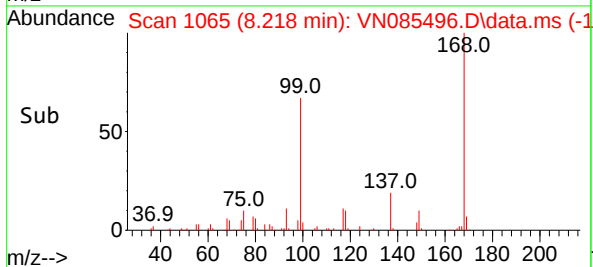
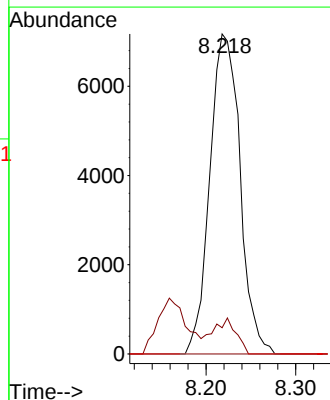
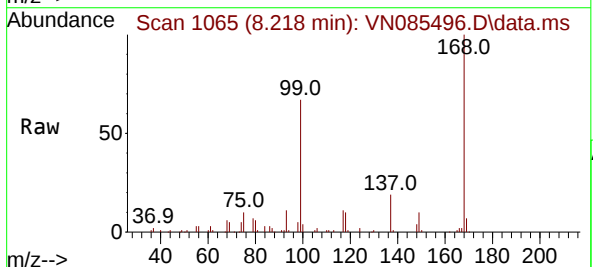
Tgt Ion: 75 Resp: 16748

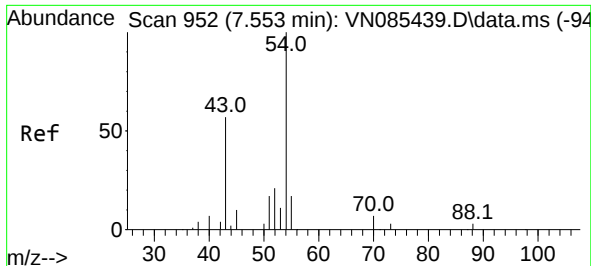
Ion Ratio Lower Upper

75 100

110 8.8 16.5 49.5#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.035 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

VNJ-214

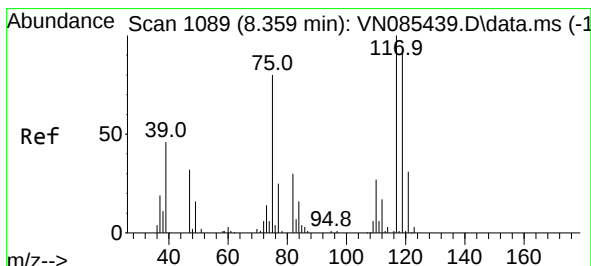
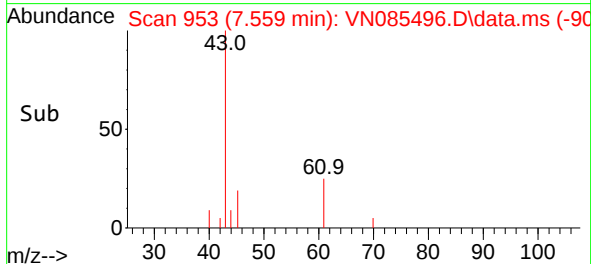
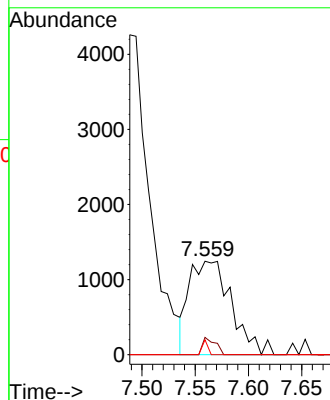
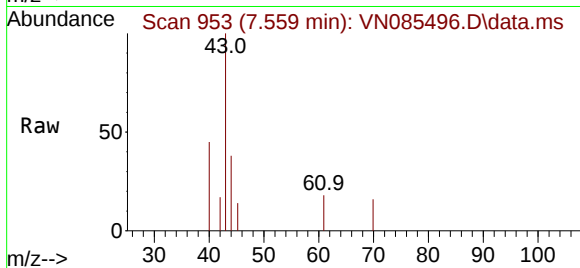
Tgt Ion: 43 Resp: 3435

Ion Ratio Lower Upper

43 100

61 5.6 10.9 16.3#

70 2.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.399 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

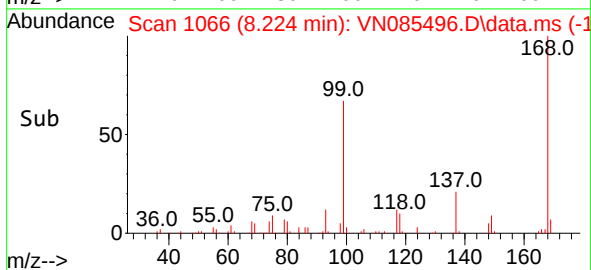
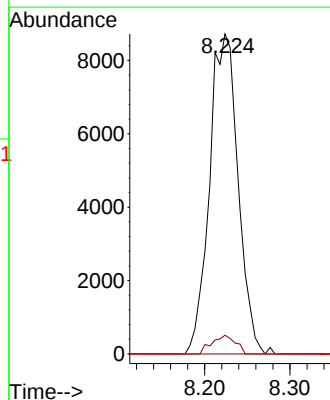
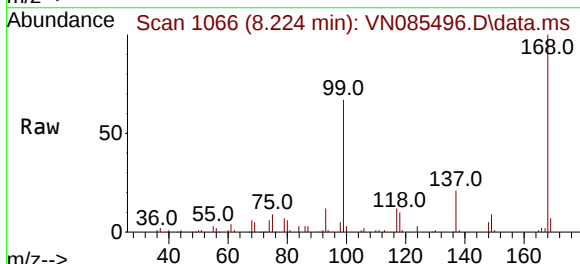
Tgt Ion: 117 Resp: 20317

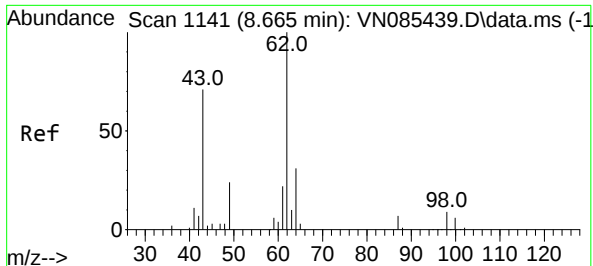
Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.2#

121 0.0 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.266 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.012 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

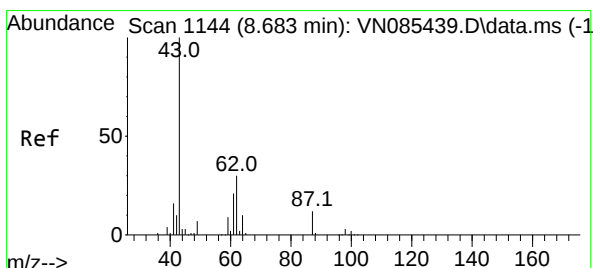
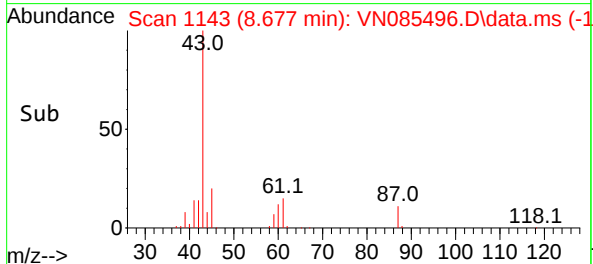
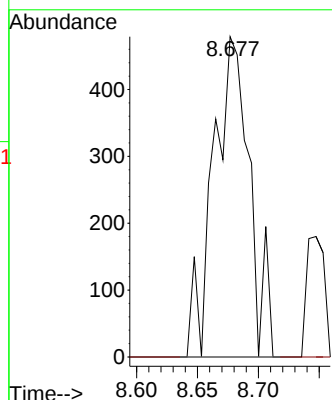
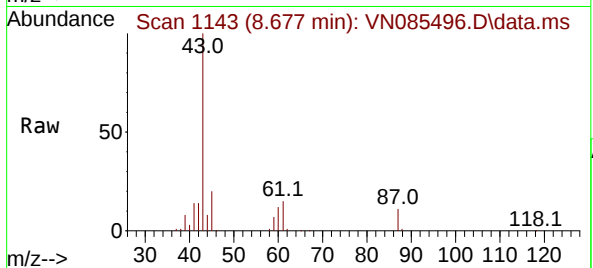
VNJ-214

Tgt Ion: 62 Resp: 989

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#43

Isopropyl Acetate

Concen: 34.450 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

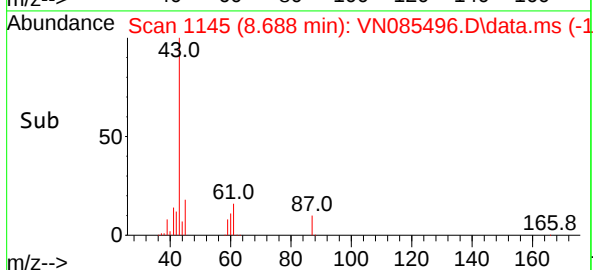
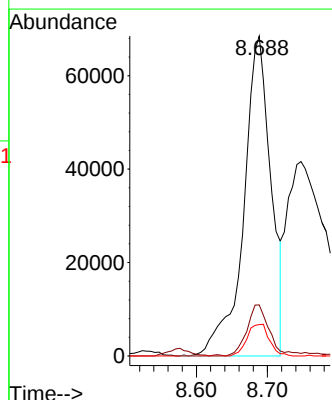
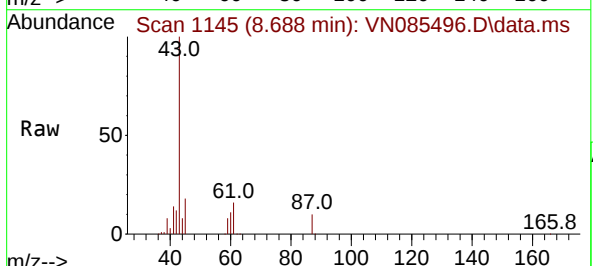
Tgt Ion: 43 Resp: 183158

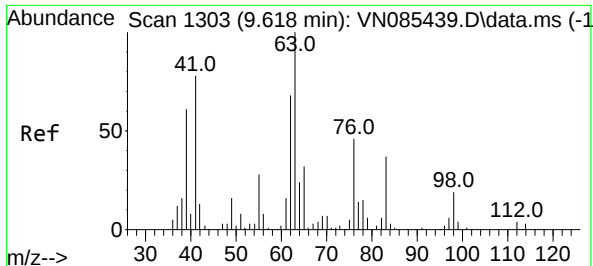
Ion Ratio Lower Upper

43 100

61 14.1 20.7 31.1#

87 8.1 9.8 14.8#





#45

1,2-Dichloropropane

Concen: 0.390 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

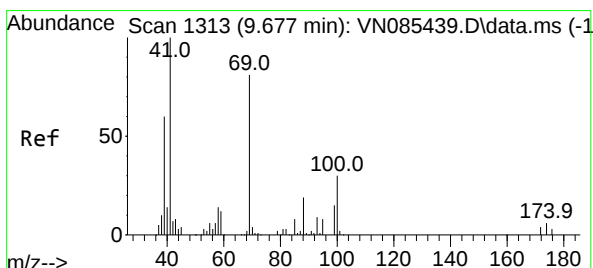
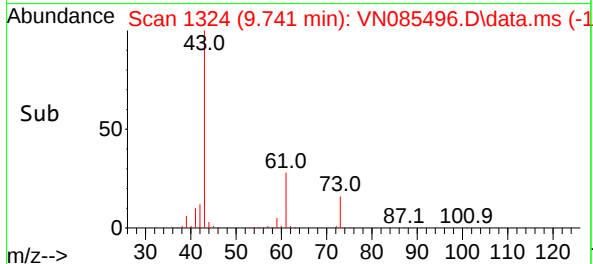
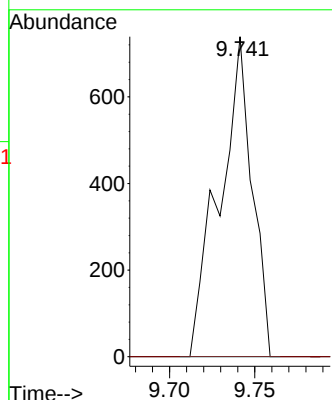
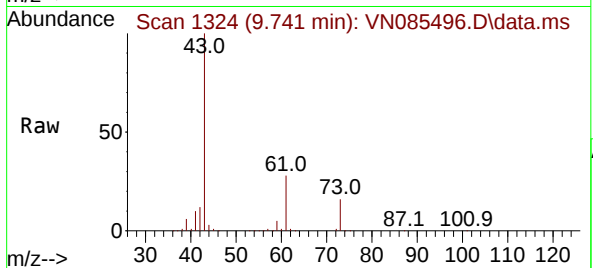
VNJ-214

Tgt Ion: 63 Resp: 985

Ion Ratio Lower Upper

63 100

65 0.0 25.6 38.4#



#48

Methyl methacrylate

Concen: 1.502 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

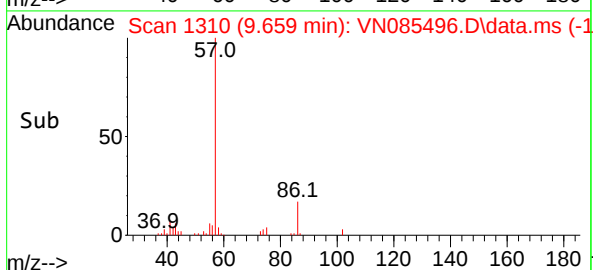
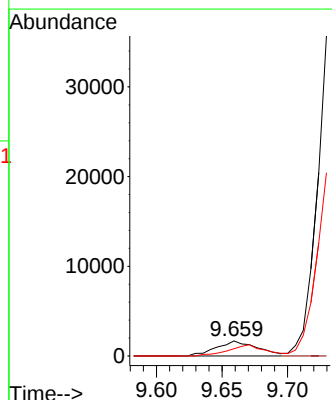
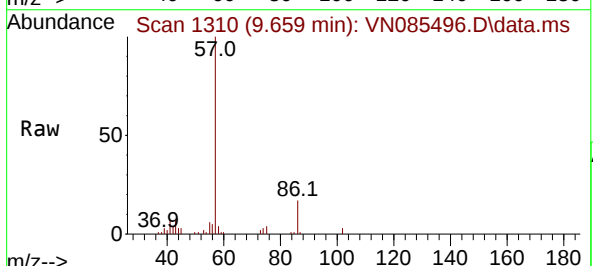
Tgt Ion: 41 Resp: 3594

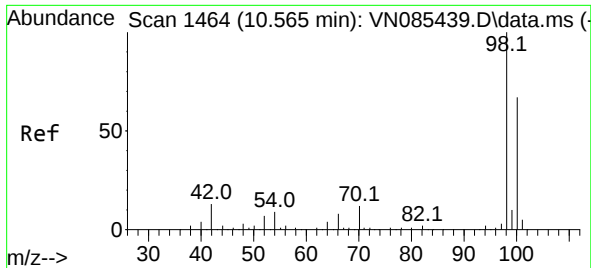
Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

39 67.3 49.0 73.6

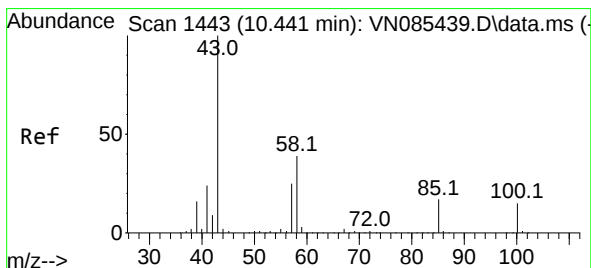
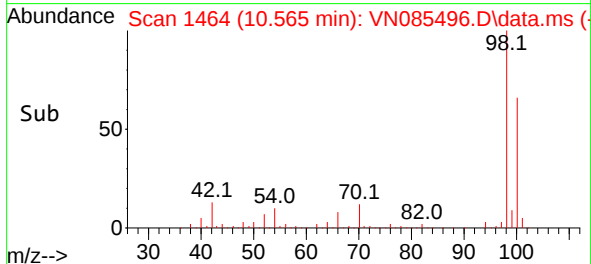
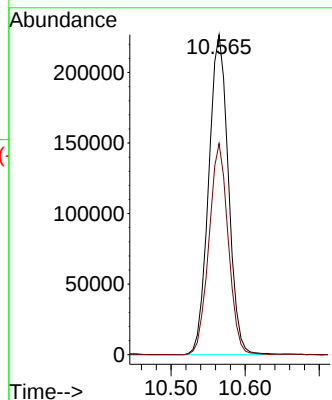
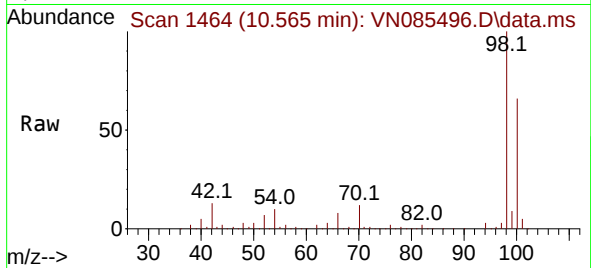




#50
Toluene-d8
Concen: 50.312 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085496.D
Acq: 17 Jan 2025 16:24

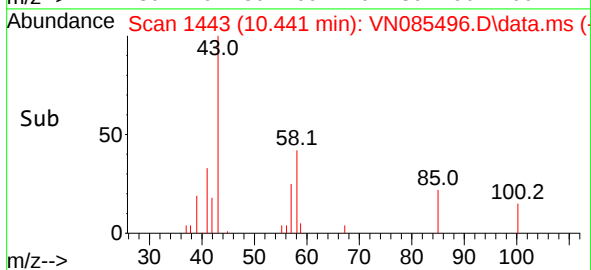
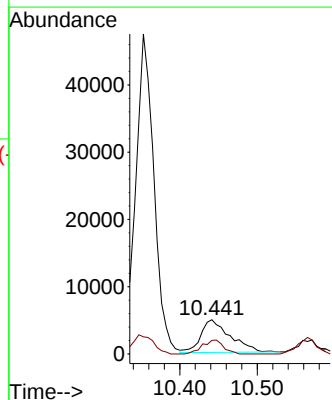
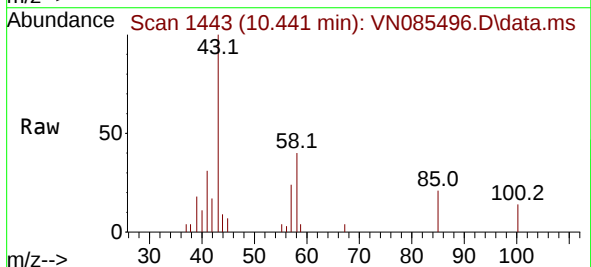
Instrument :
MSVOA_N
ClientSampleId :
VNJ-214

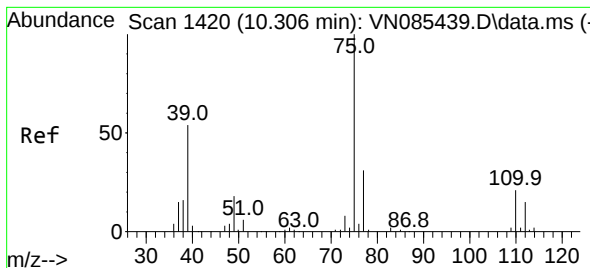
Tgt Ion: 98 Resp: 418688
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 4.161 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085496.D
Acq: 17 Jan 2025 16:24

Tgt Ion: 43 Resp: 12837
Ion Ratio Lower Upper
43 100
58 30.5 30.5 45.7

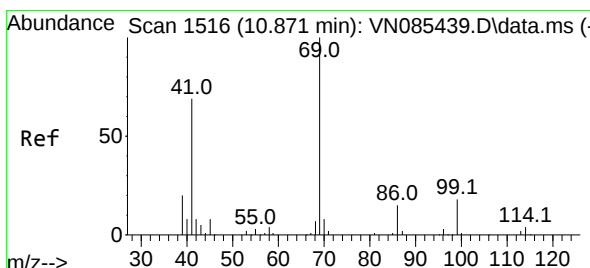
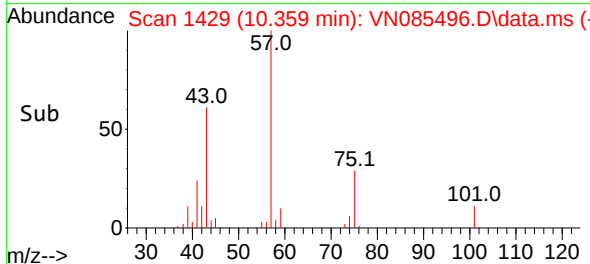
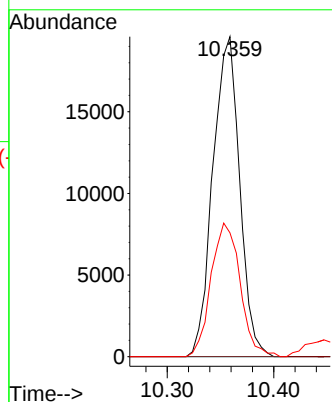
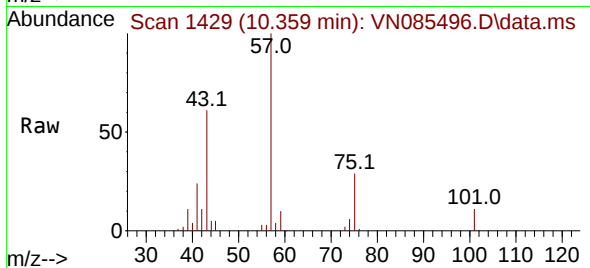




#54
 cis-1,3-Dichloropropene
 Concen: 9.131 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.053 min
 Lab File: VN085496.D
 Acq: 17 Jan 2025 16:24

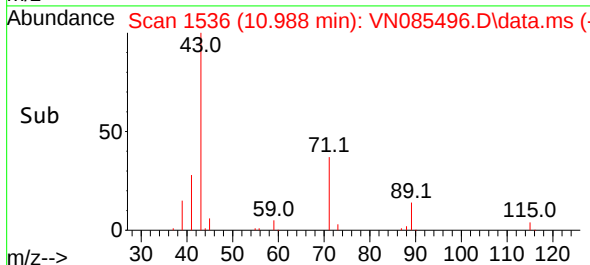
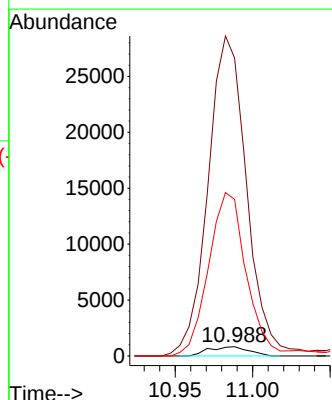
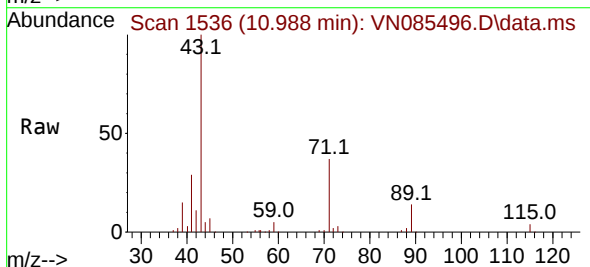
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-214

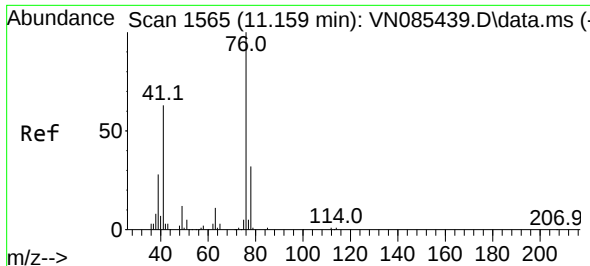
Tgt Ion: 75 Resp: 34183
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 38.7 43.1 64.7#



#56
 Ethyl methacrylate
 Concen: 2.307 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.117 min
 Lab File: VN085496.D
 Acq: 17 Jan 2025 16:24

Tgt Ion: 69 Resp: 1492
 Ion Ratio Lower Upper
 69 100
 41 3327.9 54.6 82.0#
 39 1691.5 32.4 48.6#





#57

1,3-Dichloropropane

Concen: 0.725 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

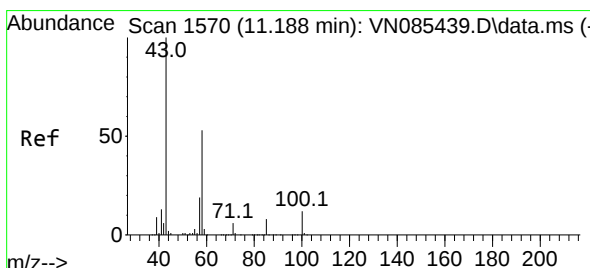
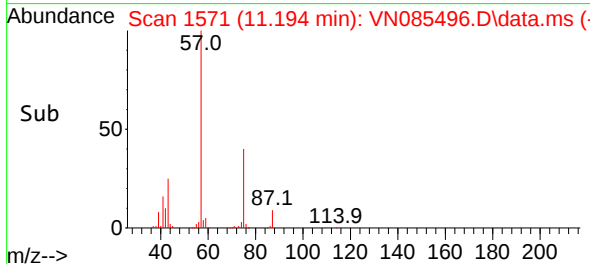
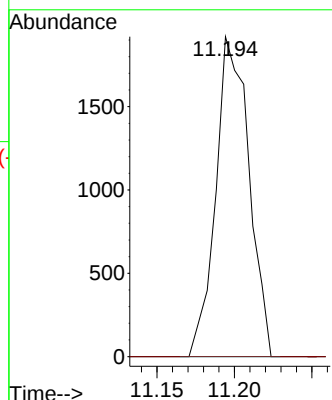
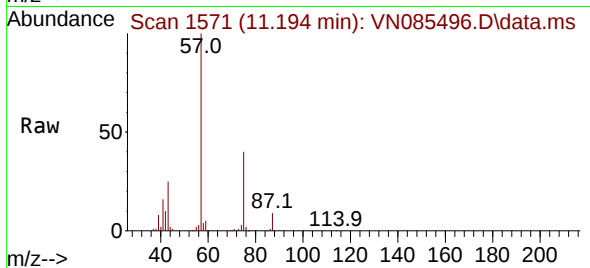
VNJ-214

Tgt Ion: 76 Resp: 2854

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 42.772 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.018 min

Lab File: VN085496.D

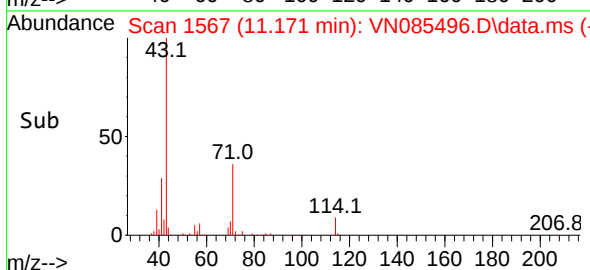
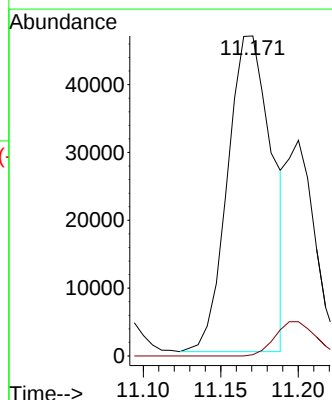
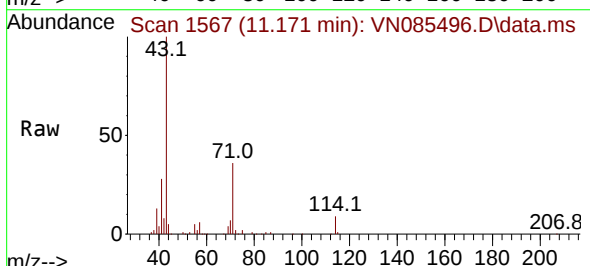
Acq: 17 Jan 2025 16:24

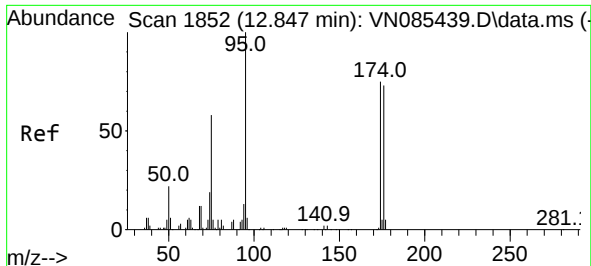
Tgt Ion: 43 Resp: 92851

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.6#

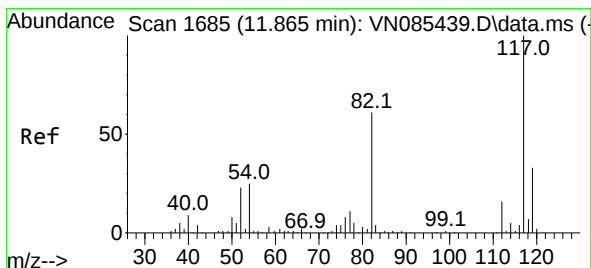
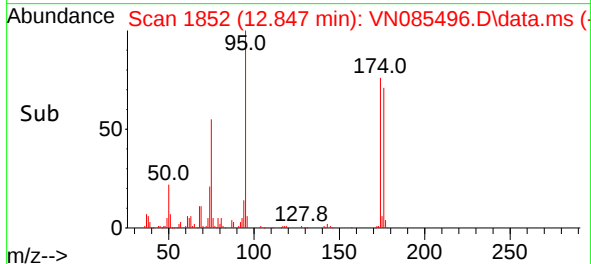
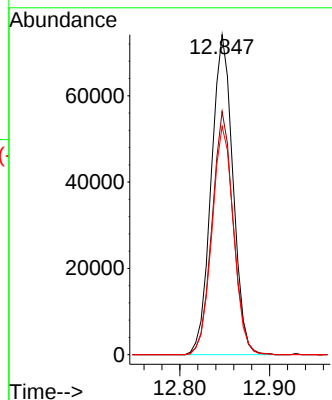
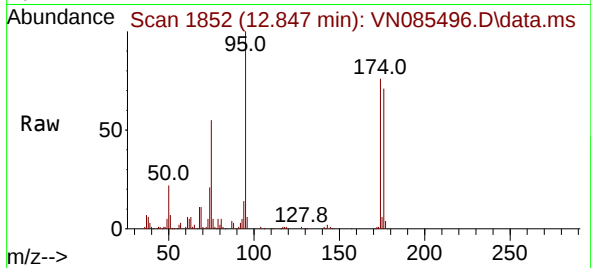




#62
4-Bromofluorobenzene
Concen: 43.598 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085496.D
Acq: 17 Jan 2025 16:24

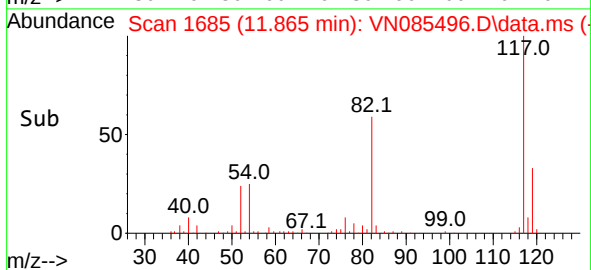
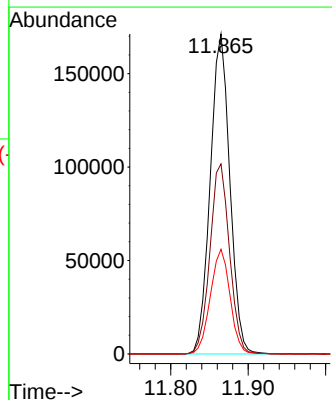
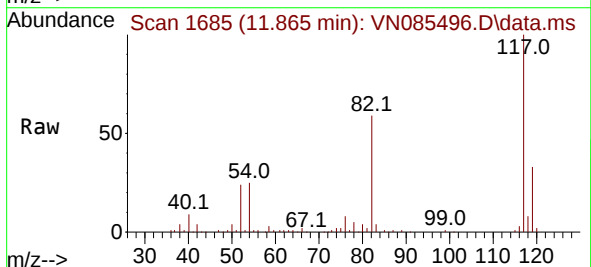
Instrument :
MSVOA_N
ClientSampleId :
VNJ-214

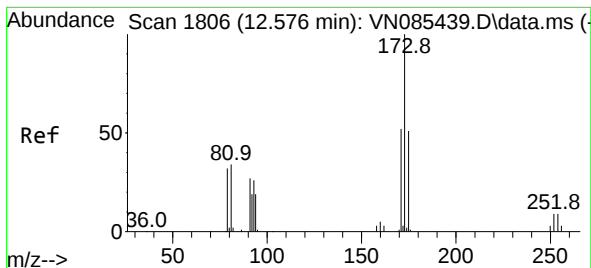
Tgt Ion: 95 Resp: 124112
Ion Ratio Lower Upper
95 100
174 74.6 0.0 145.0
176 71.4 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085496.D
Acq: 17 Jan 2025 16:24

Tgt Ion: 117 Resp: 300873
Ion Ratio Lower Upper
117 100
82 59.4 48.6 72.8
119 32.7 26.6 39.8





#71

Bromoform

Concen: 0.484 ug/l

RT: 12.835 min Scan# 1806

Delta R.T. 0.259 min

Lab File: VN085496.D

Acq: 17 Jan 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

VNJ-214

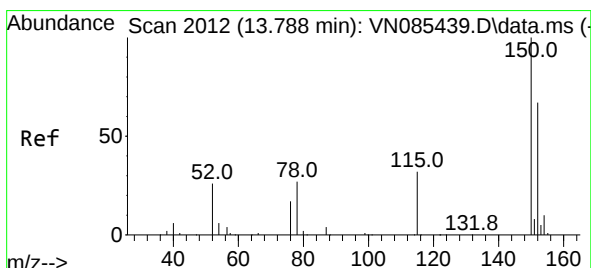
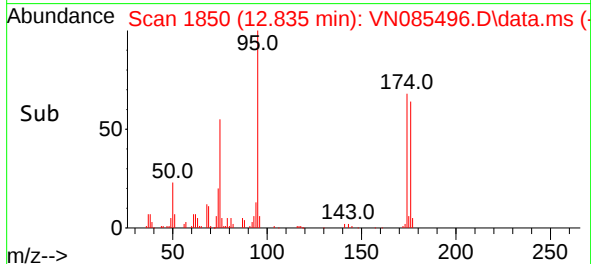
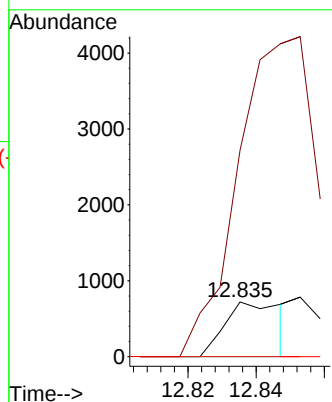
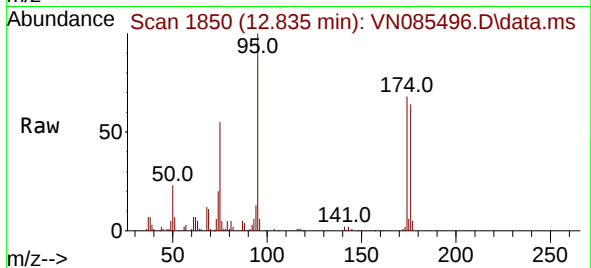
Tgt Ion:173 Resp: 838

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

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: VN085496.D

Acq: 17 Jan 2025 16:24

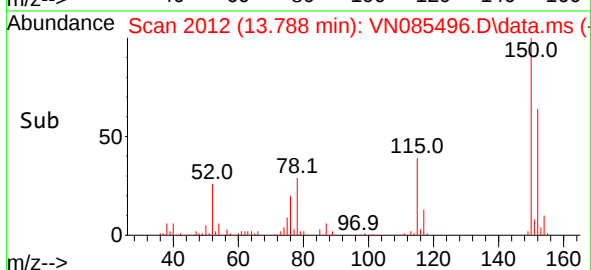
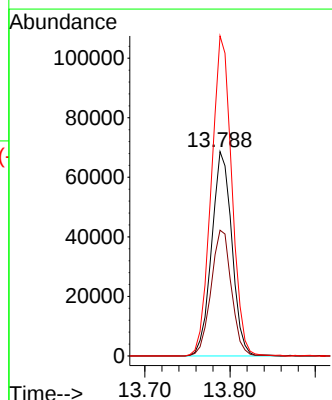
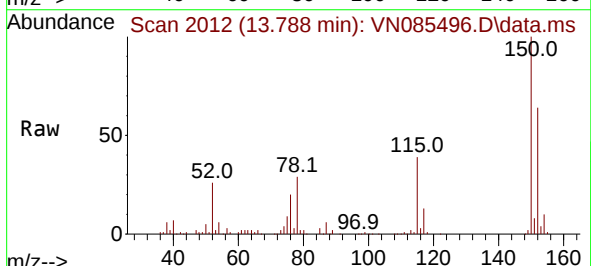
Tgt Ion:152 Resp: 113308

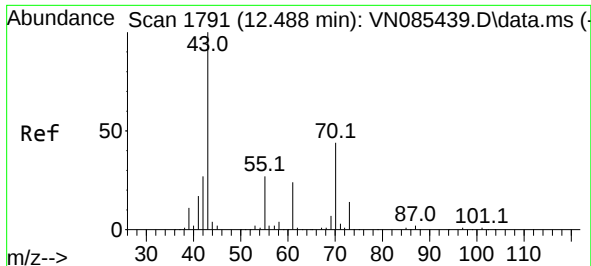
Ion Ratio Lower Upper

152 100

115 62.0 31.1 93.3

150 158.6 0.0 343.6

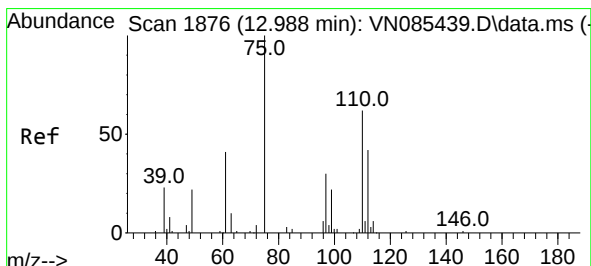
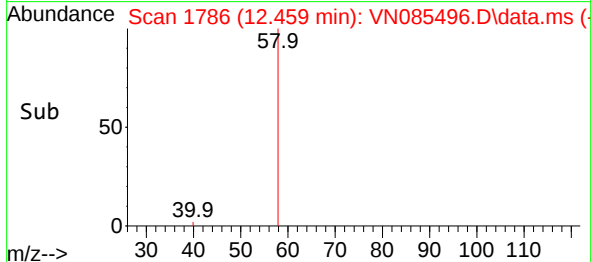
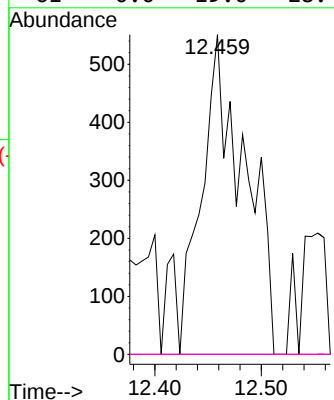
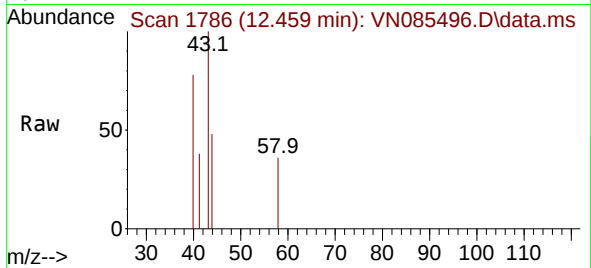




#74
N-amy1 acetate
Concen: 0.453 ug/l
RT: 12.459 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN085496.D
Acq: 17 Jan 2025 16:24

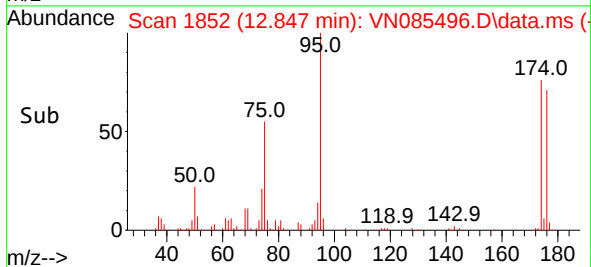
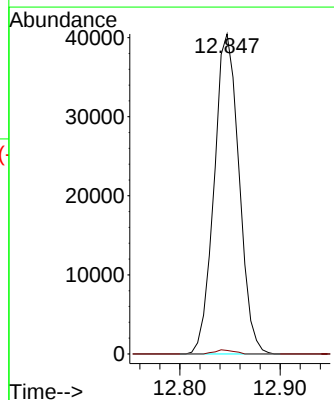
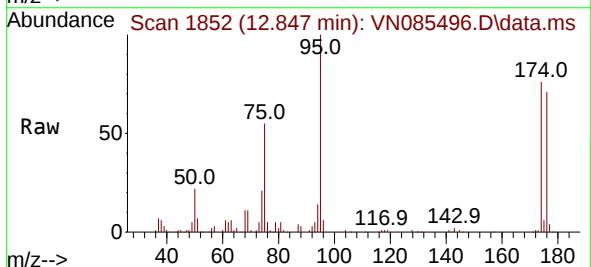
Instrument :
MSVOA_N
ClientSampleId :
VNJ-214

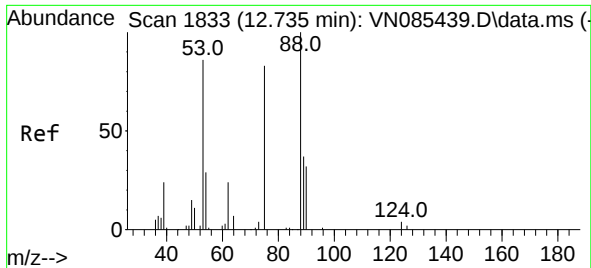
Tgt Ion:	43	Resp:	1558
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.0	51.0#
55	0.0	21.4	32.2#
61	0.0	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 30.231 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085496.D
Acq: 17 Jan 2025 16:24

Tgt Ion:	75	Resp:	69623
Ion	Ratio	Lower	Upper
75	100		
77	1.0	109.7	329.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.793 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085496.D
 Acq: 17 Jan 2025 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-214

Tgt Ion: 75 Resp: 69623
 Ion Ratio Lower Upper
 75 100
 53 0.1 95.6 143.4#
 89 0.0 37.0 55.6#

