

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031325\
 Data File : VN085981.D
 Acq On : 13 Mar 2025 15:25
 Operator : JC\MD
 Sample : Q1552-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NB-418-JB-COMP-01

Quant Time: Mar 14 00:29:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

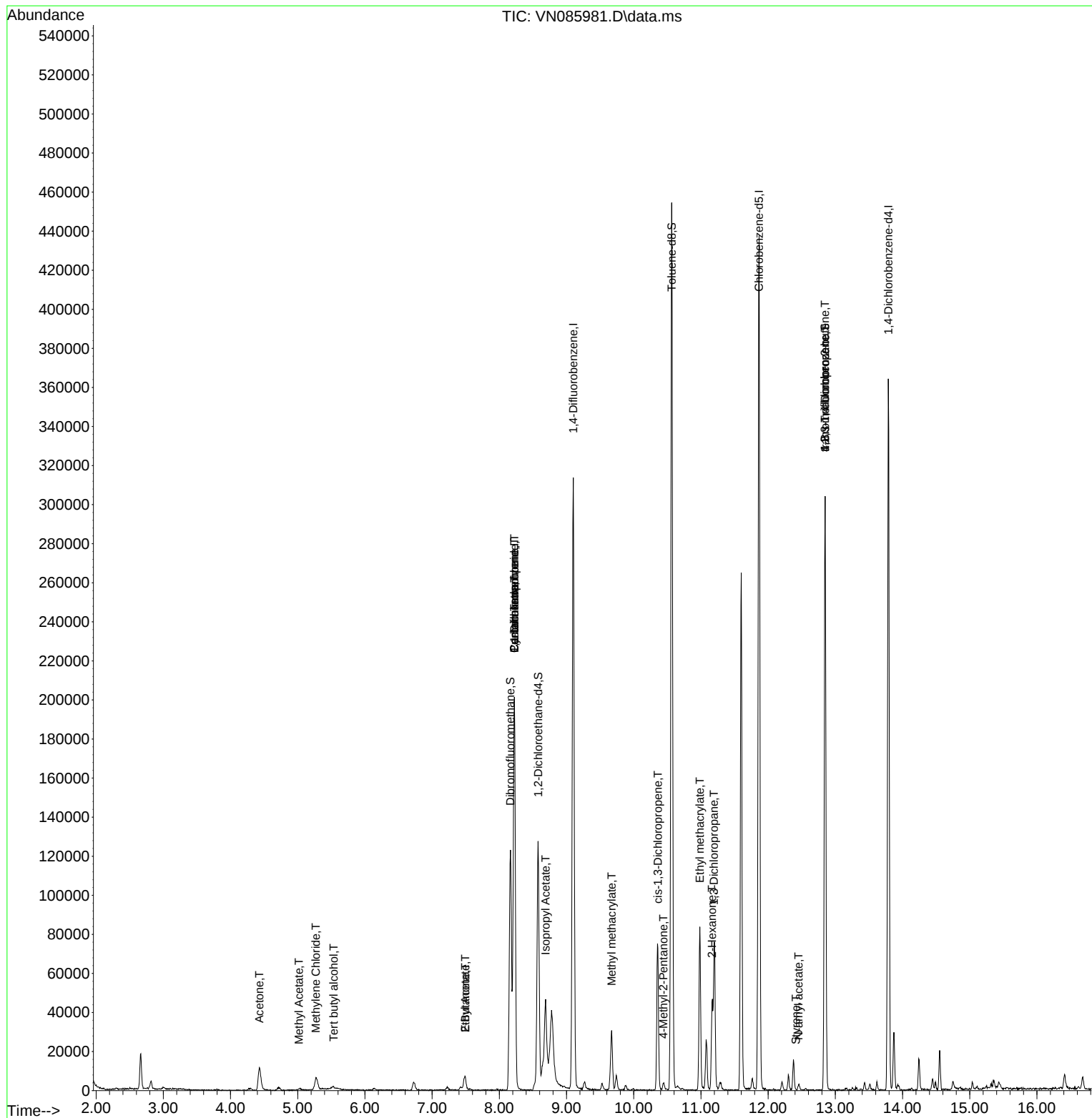
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	142843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106306	57.403	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.800%			
35) Dibromofluoromethane	8.165	113	87378	49.691	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.380%			
50) Toluene-d8	10.565	98	318368	49.763	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.520%			
62) 4-Bromofluorobenzene	12.847	95	105570	50.083	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.160%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.536	59	2723	11.955	ug/l #	72
16) Acetone	4.430	43	21715	37.058	ug/l	94
18) Methyl Acetate	5.018	43	581	0.288	ug/l #	67
20) Methylene Chloride	5.271	84	5362	2.845	ug/l	94
25) 2-Butanone	7.494	43	12276	14.240	ug/l #	86
31) Cyclohexane	8.224	56	2952	1.116	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	11893	4.779	ug/l #	50
37) Ethyl Acetate	7.494	43	12276	5.994	ug/l #	66
38) Carbon Tetrachloride	8.224	117	15995	5.409	ug/l #	18
43) Isopropyl Acetate	8.688	43	59657	16.229	ug/l #	77
48) Methyl methacrylate	9.671	41	1814	1.193	ug/l #	36
51) 4-Methyl-2-Pentanone	10.441	43	3684	1.866	ug/l #	70
54) cis-1,3-Dichloropropene	10.359	75	14186	4.815	ug/l #	67
56) Ethyl methacrylate	10.982	69	772	0.782	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	884	0.285	ug/l #	42
59) 2-Hexanone	11.165	43	46759	34.423	ug/l #	21
70) Styrene	12.412	104	127	0.606	ug/l #	26
74) N-amyl acetate	12.453	43	2305	0.942	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	55759	24.786	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55759	72.319	ug/l #	13

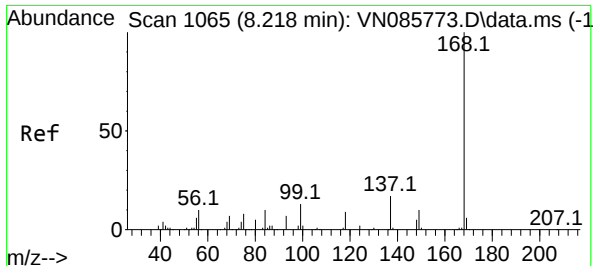
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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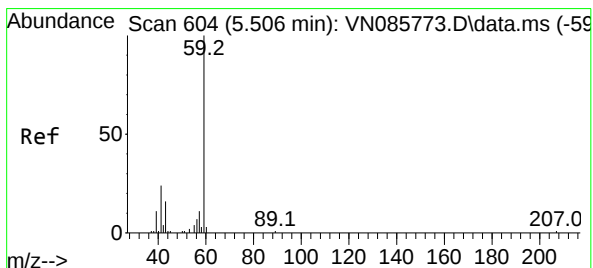
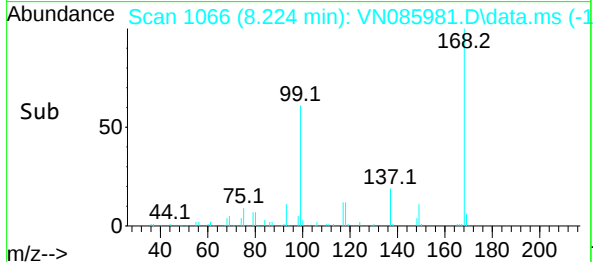
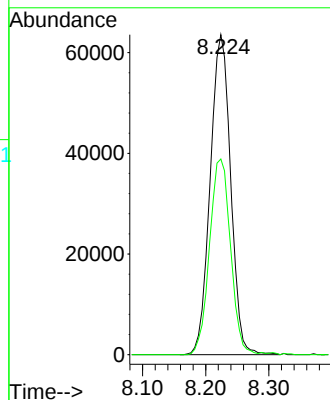
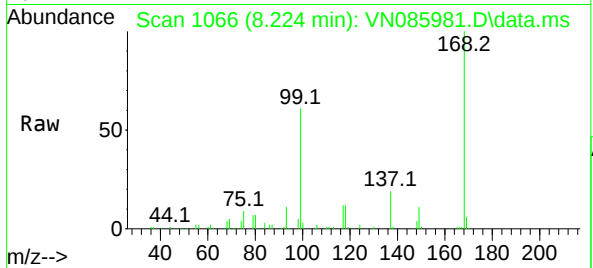




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

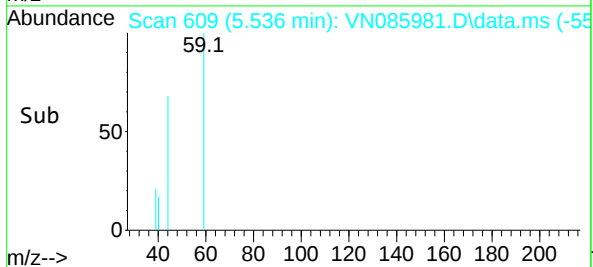
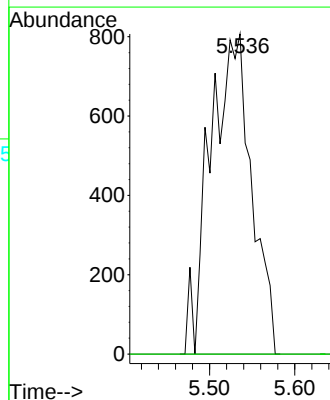
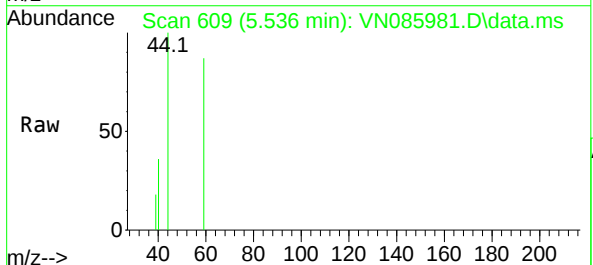
Instrument :
MSVOA_N
ClientSampleId :
NB-418-JB-COMP-01

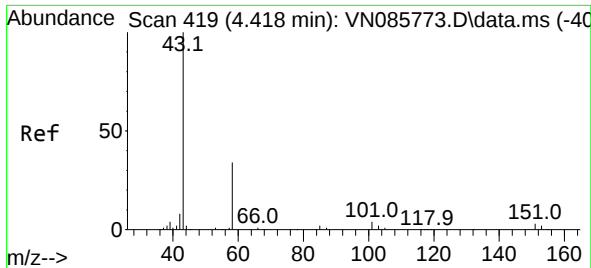
Tgt Ion:168 Resp: 142843
Ion Ratio Lower Upper
168 100
99 61.1 47.9 71.9



#11
Tert butyl alcohol
Concen: 11.955 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.030 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

Tgt Ion: 59 Resp: 2723
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5

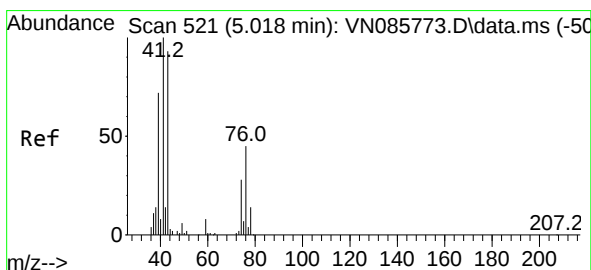
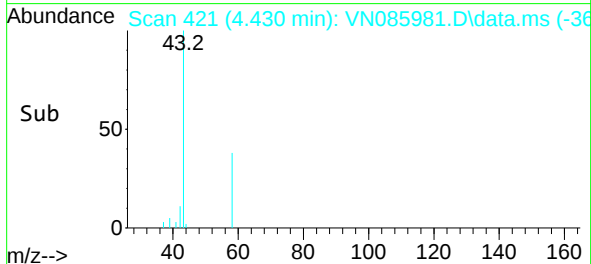
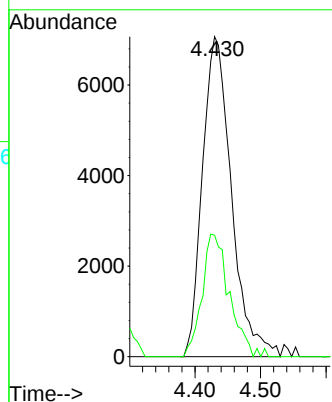
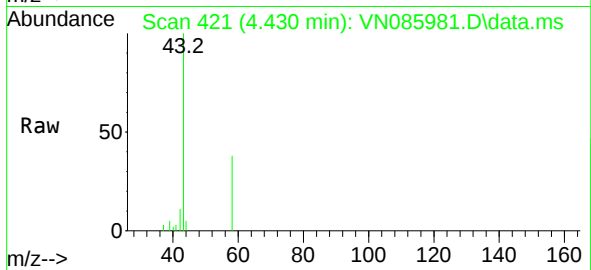




#16
Acetone
Concen: 37.058 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

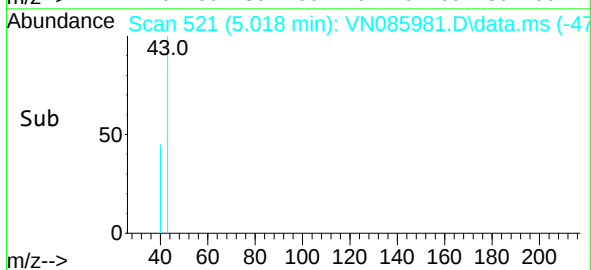
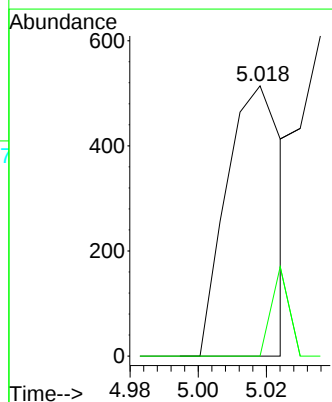
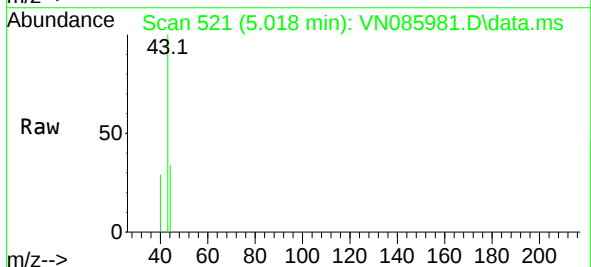
Instrument :
MSVOA_N
ClientSampleId :
NB-418-JB-COMP-01

Tgt Ion: 43 Resp: 21715
Ion Ratio Lower Upper
43 100
58 38.0 27.5 41.3



#18
Methyl Acetate
Concen: 0.288 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
74 10.3 22.2 33.4#





#20

Methylene Chloride

Concen: 2.845 ug/l

RT: 5.271 min Scan# 5

Delta R.T. 0.000 min

Lab File: VN085981.D

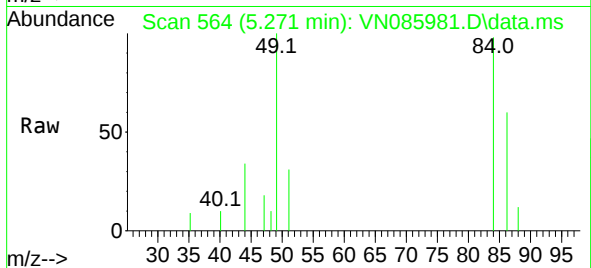
Acq: 13 Mar 2025 15:25

Instrument :

MSVOA_N

ClientSampleId :

NB-418-JB-COMP-01



Tgt Ion: 84 Resp: 5362

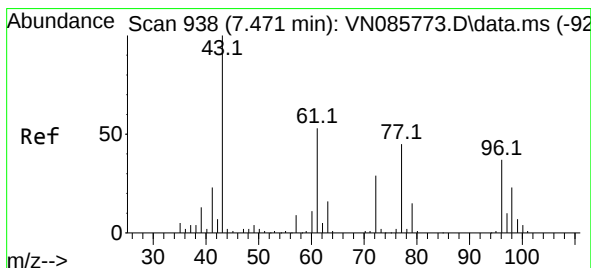
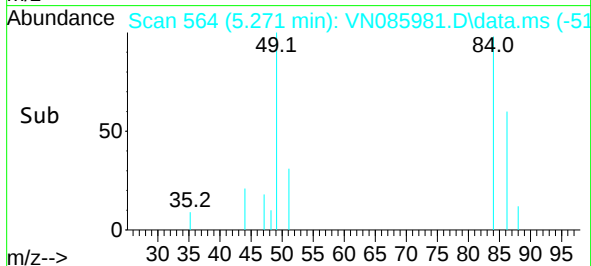
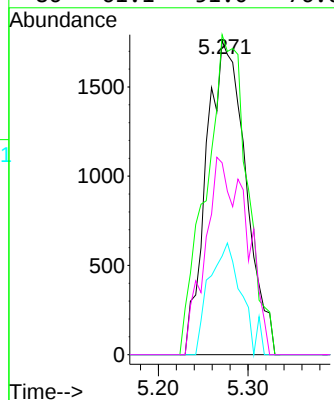
Ion Ratio Lower Upper

84 100

49 101.9 88.4 132.6

51 31.4 26.6 40.0

86 61.1 51.0 76.6



#25

2-Butanone

Concen: 14.240 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.024 min

Lab File: VN085981.D

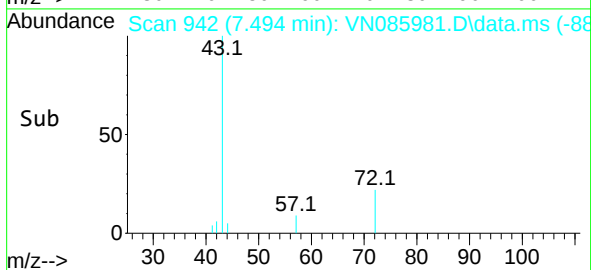
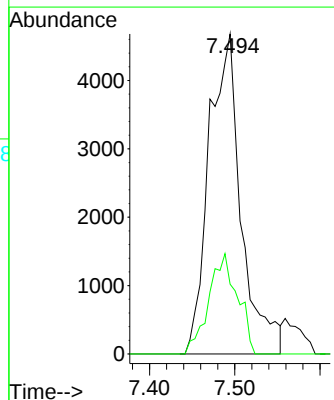
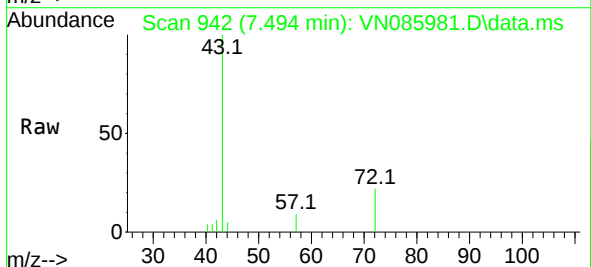
Acq: 13 Mar 2025 15:25

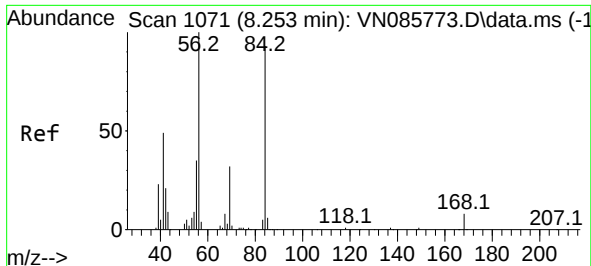
Tgt Ion: 43 Resp: 12276

Ion Ratio Lower Upper

43 100

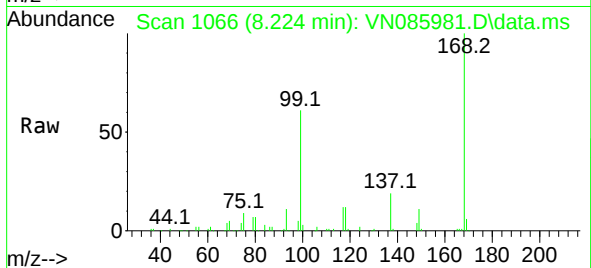
72 21.8 23.6 35.4#



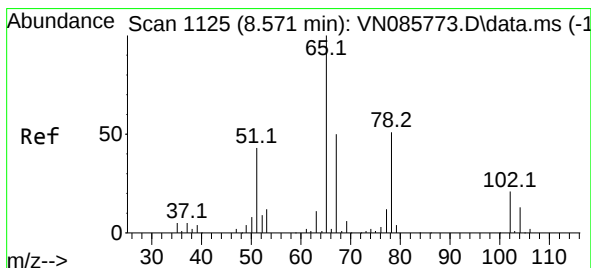
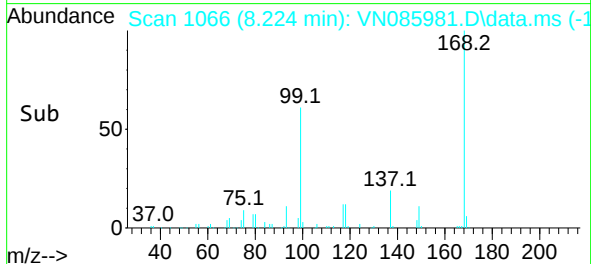
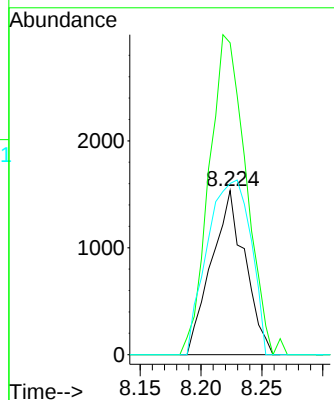


#31
Cyclohexane
Concen: 1.116 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

Instrument :
MSVOA_N
ClientSampleId :
NB-418-JB-COMP-01

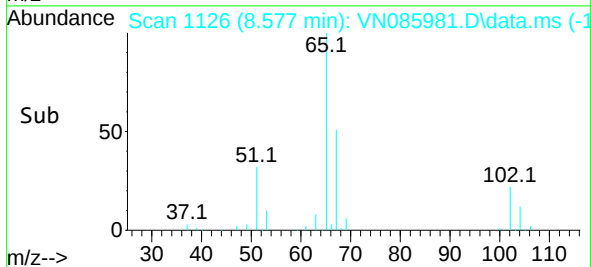
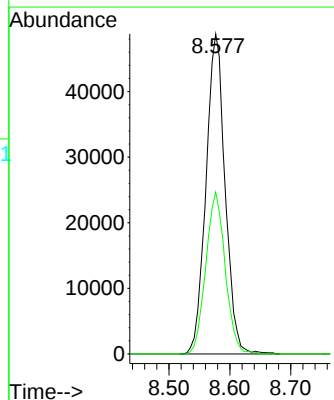
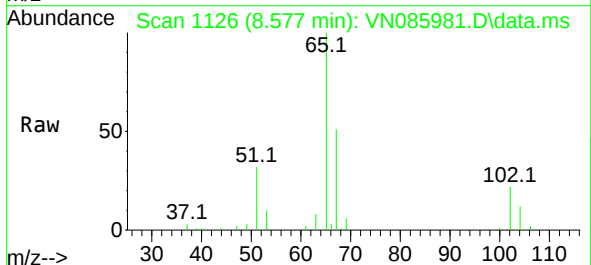


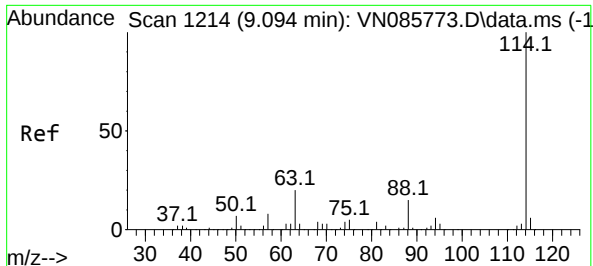
Tgt Ion: 56 Resp: 2952
Ion Ratio Lower Upper
56 100
69 190.0 25.8 38.6#
84 104.3 74.5 111.7



#33
1,2-Dichloroethane-d4
Concen: 57.403 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

Tgt Ion: 65 Resp: 106306
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085981.D

Acq: 13 Mar 2025 15:25

Instrument :

MSVOA_N

ClientSampleId :

NB-418-JB-COMP-01

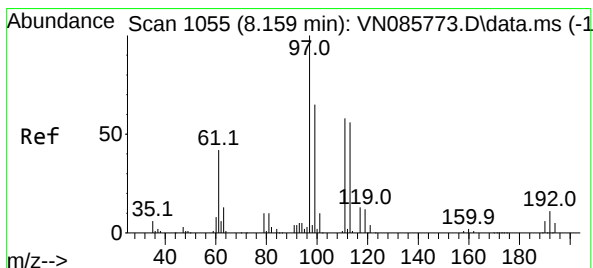
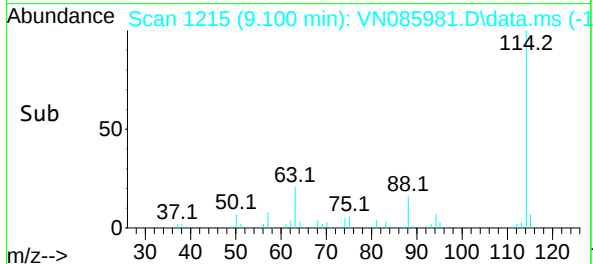
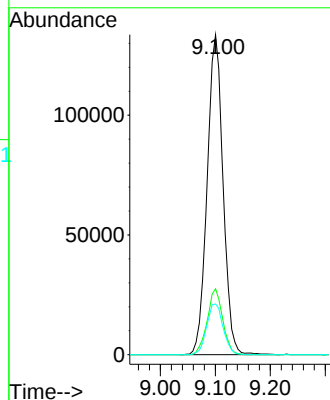
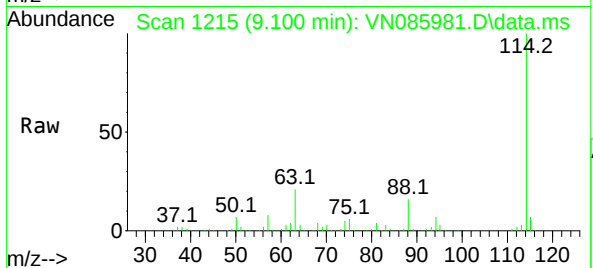
Tgt Ion:114 Resp: 268727

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.2

88 15.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 49.691 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085981.D

Acq: 13 Mar 2025 15:25

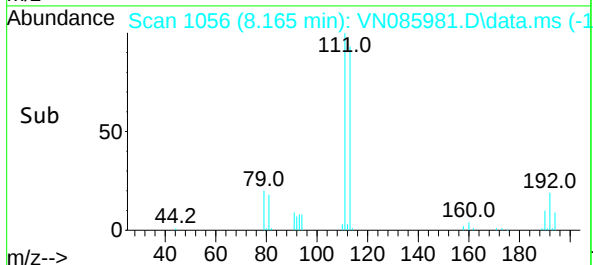
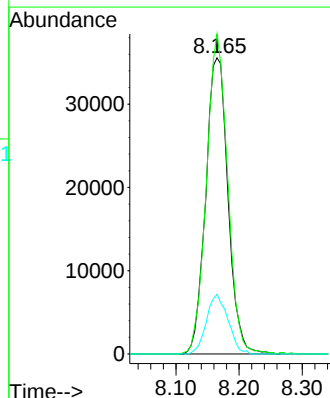
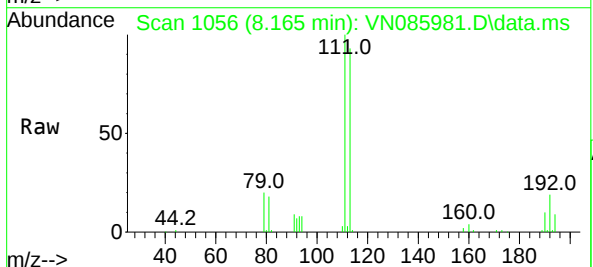
Tgt Ion:113 Resp: 87378

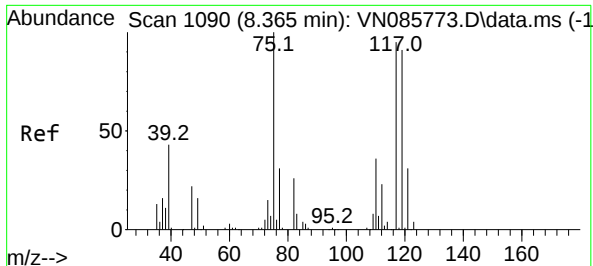
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

192 19.4 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.779 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085981.D

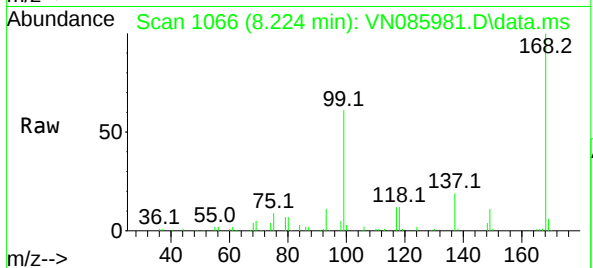
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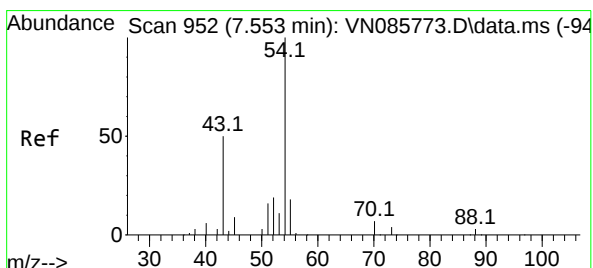
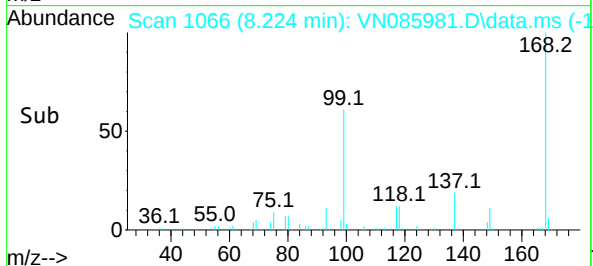
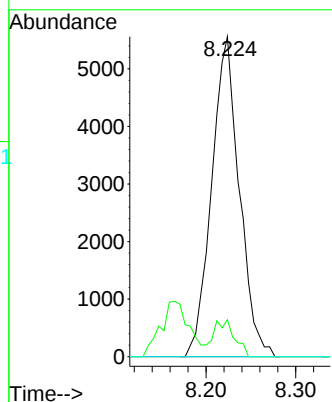
Tgt Ion: 75 Resp: 11893

Ion Ratio Lower Upper

75 100

110 9.1 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 5.994 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.059 min

Lab File: VN085981.D

Acq: 13 Mar 2025 15:25

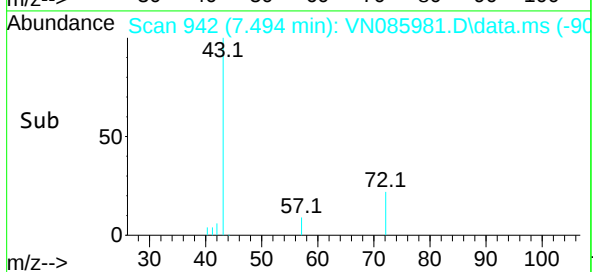
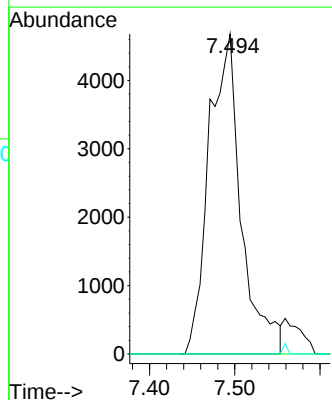
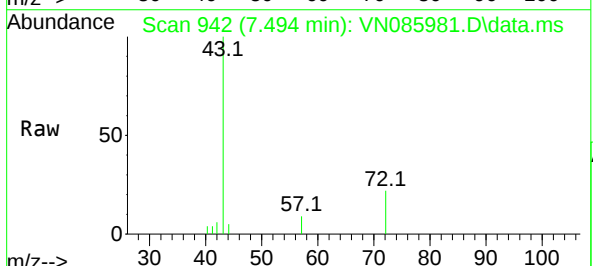
Tgt Ion: 43 Resp: 12276

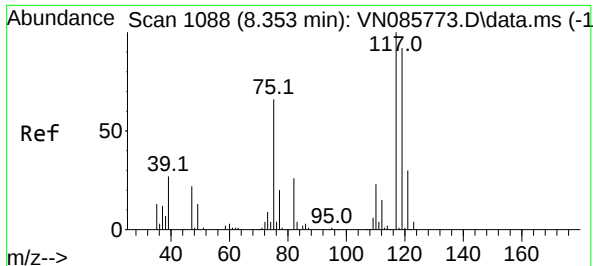
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

70 0.0 9.5 14.3#

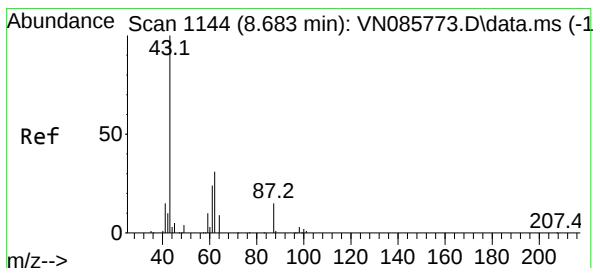
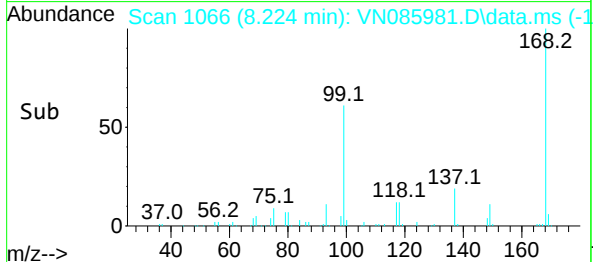
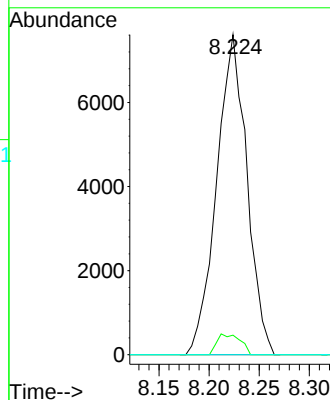
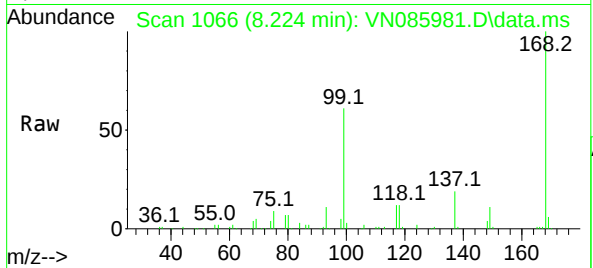




#38
Carbon Tetrachloride
Concen: 5.409 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.129 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

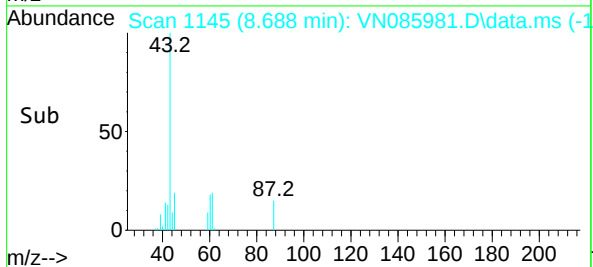
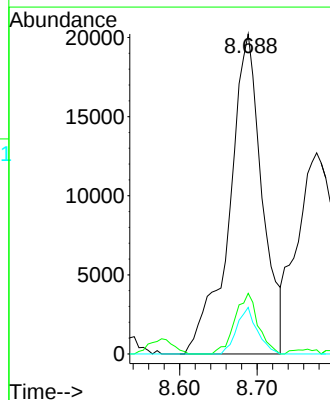
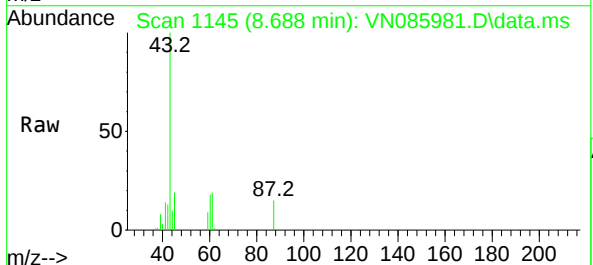
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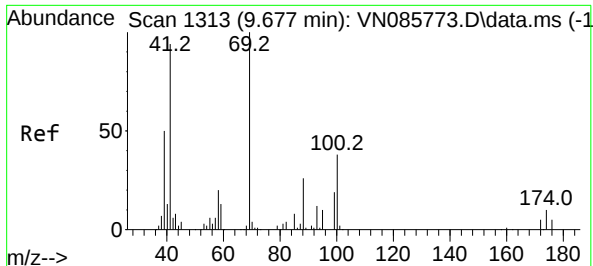
Tgt Ion:117 Resp: 15995
Ion Ratio Lower Upper
117 100
119 6.1 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 16.229 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

Tgt Ion: 43 Resp: 59657
Ion Ratio Lower Upper
43 100
61 13.4 22.6 34.0#
87 9.1 11.8 17.8#

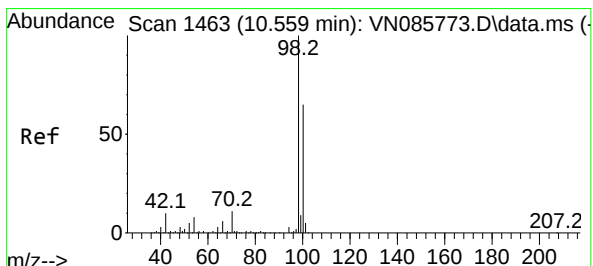
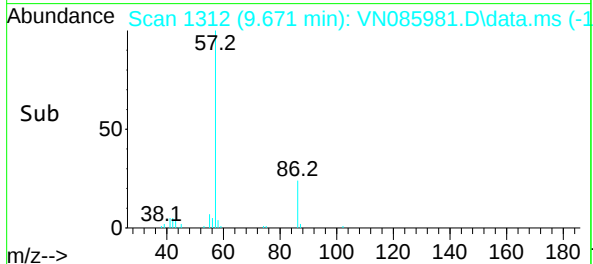
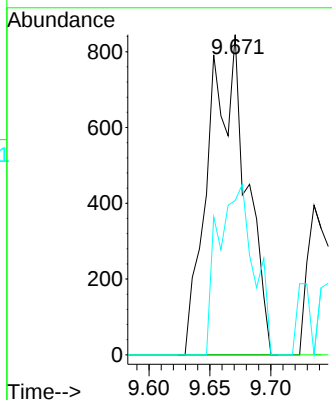
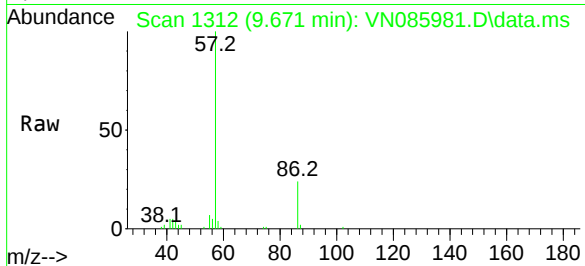




#48
Methyl methacrylate
Concen: 1.193 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

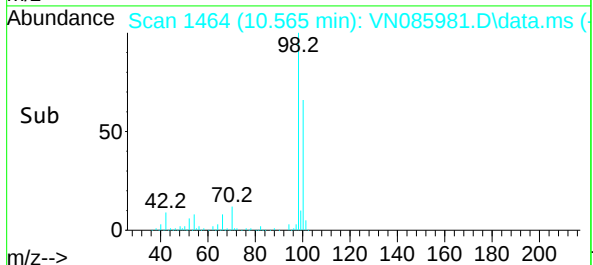
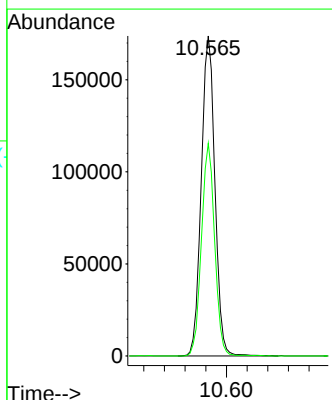
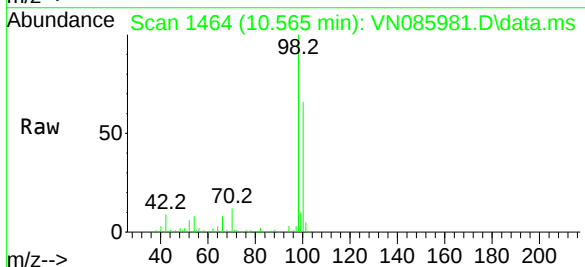
Instrument :
MSVOA_N
ClientSampleId :
NB-418-JB-COMP-01

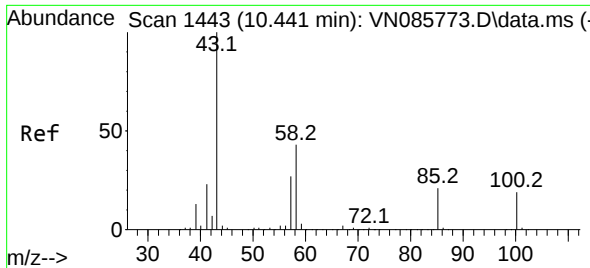
Tgt Ion: 41 Resp: 1814
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 50.3 42.3 63.5



#50
Toluene-d8
Concen: 49.763 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

Tgt Ion: 98 Resp: 318368
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1

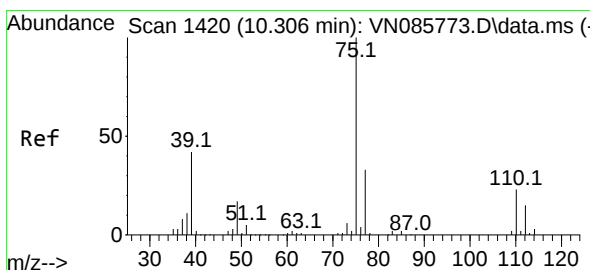
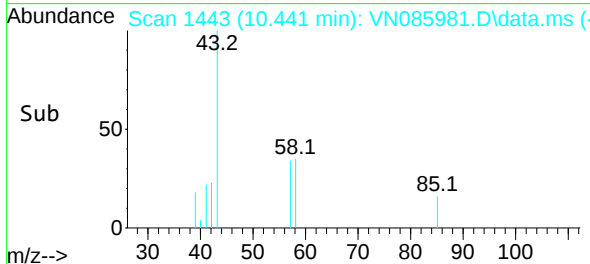
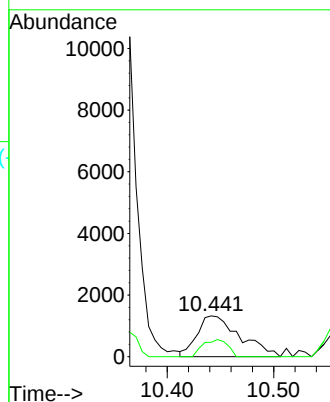
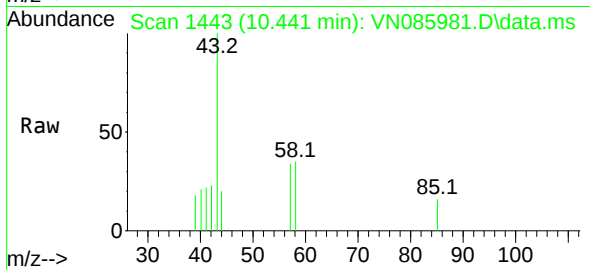




#51
4-Methyl-2-Pentanone
Concen: 1.866 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

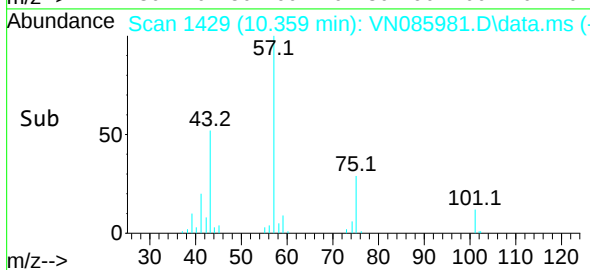
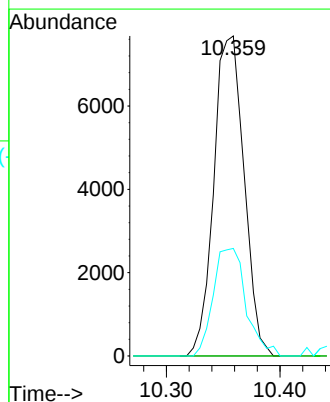
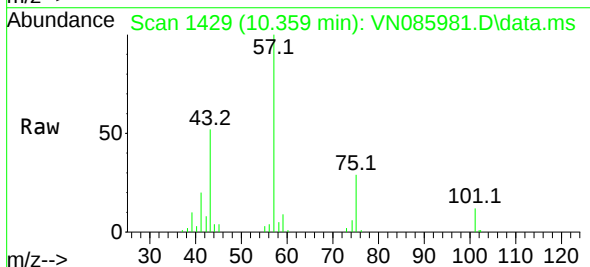
Instrument :
MSVOA_N
ClientSampleId :
NB-418-JB-COMP-01

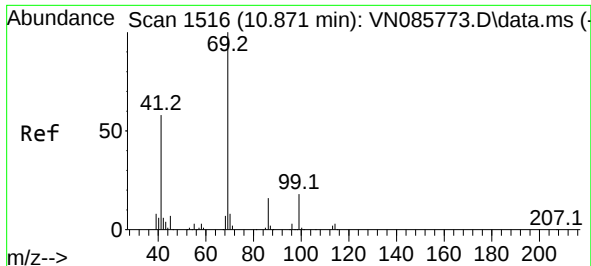
Tgt Ion: 43 Resp: 3684
Ion Ratio Lower Upper
43 100
58 24.2 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 4.815 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

Tgt Ion: 75 Resp: 14186
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 33.6 33.4 50.0

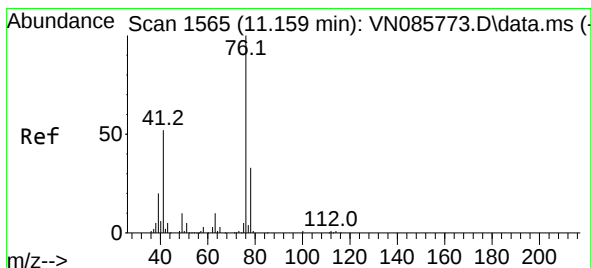
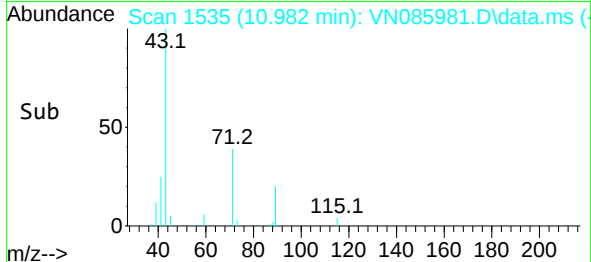
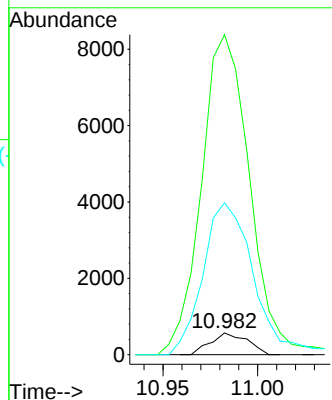
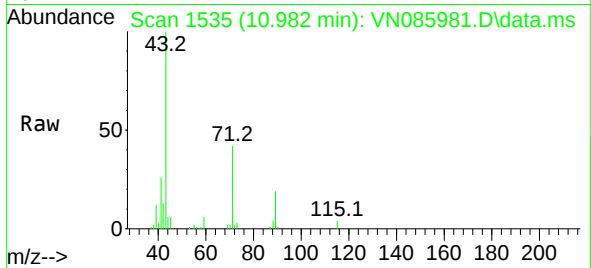




#56
Ethyl methacrylate
Concen: 0.782 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

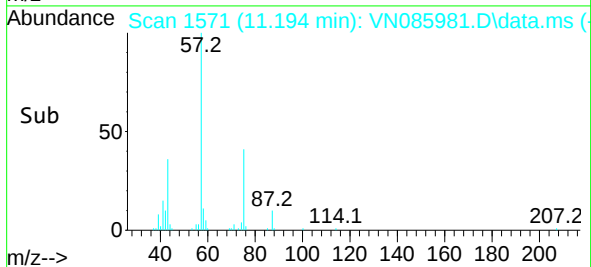
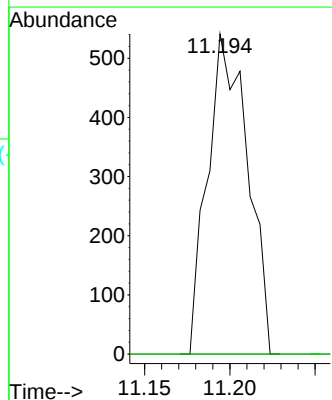
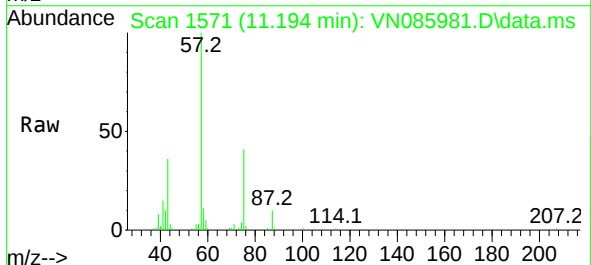
Instrument :
MSVOA_N
ClientSampleId :
NB-418-JB-COMP-01

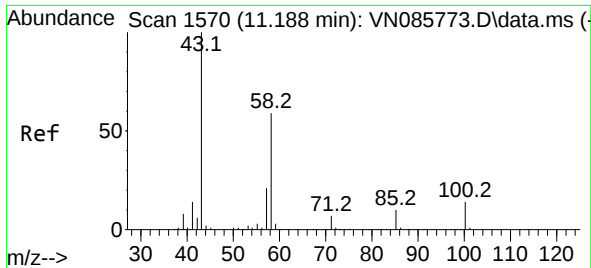
Tgt Ion: 69 Resp: 772
Ion Ratio Lower Upper
69 100
41 1927.5 46.0 69.0#
39 958.9 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 0.285 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

Tgt Ion: 76 Resp: 884
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

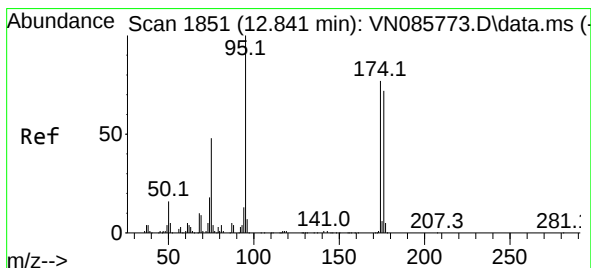
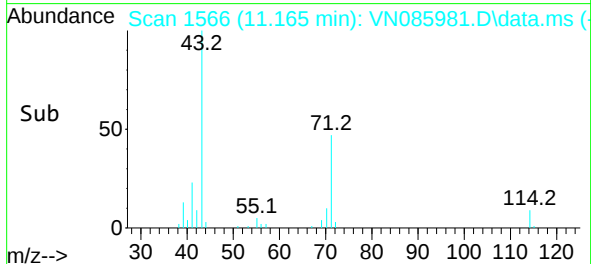
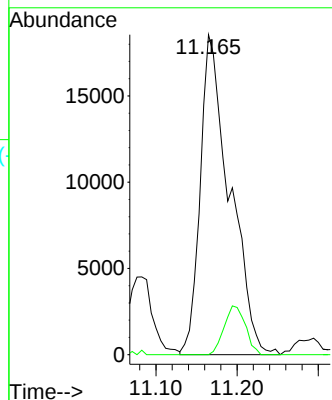
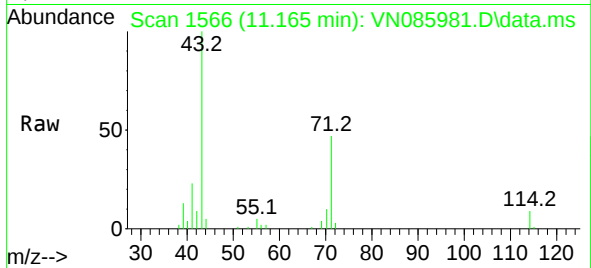




#59
2-Hexanone
Concen: 34.423 ug/l
RT: 11.165 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

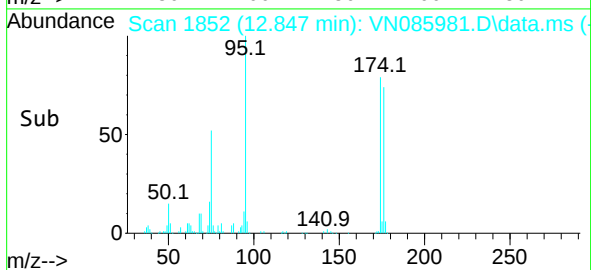
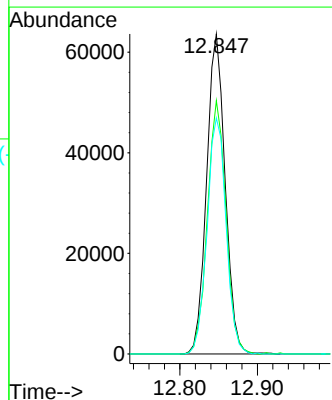
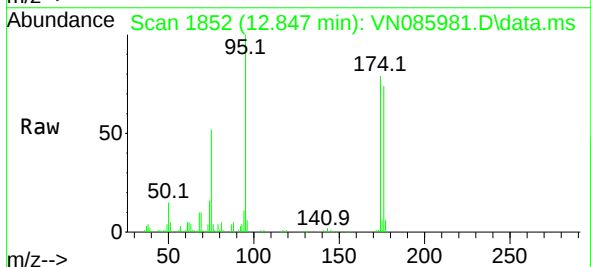
Instrument :
MSVOA_N
ClientSampleId :
NB-418-JB-COMP-01

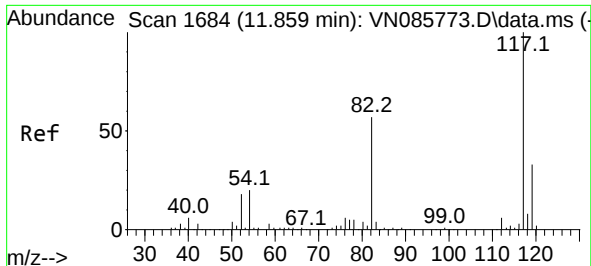
Tgt Ion: 43 Resp: 46759
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 50.083 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

Tgt Ion: 95 Resp: 105570
Ion Ratio Lower Upper
95 100
174 79.5 0.0 152.4
176 75.5 0.0 146.6

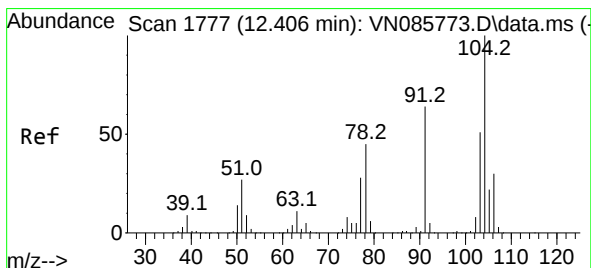
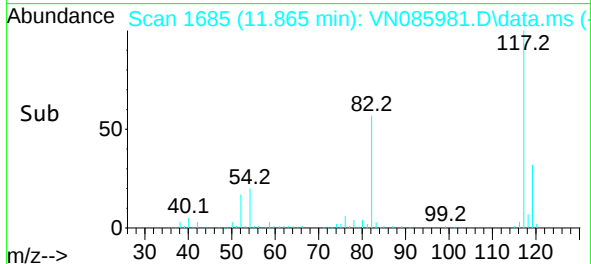
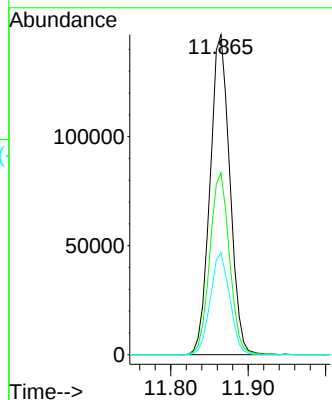
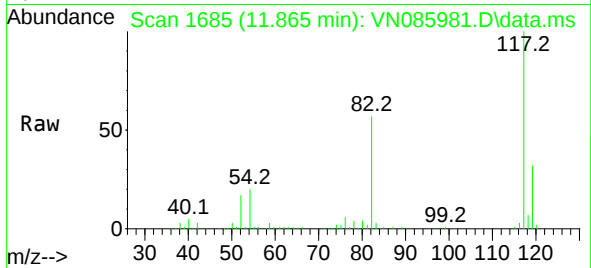




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

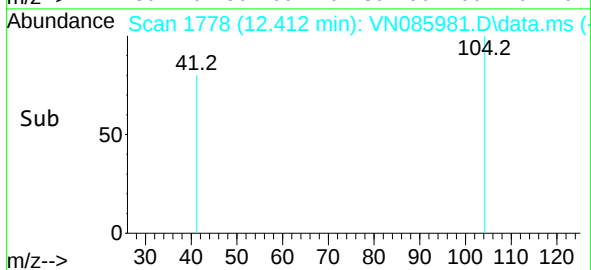
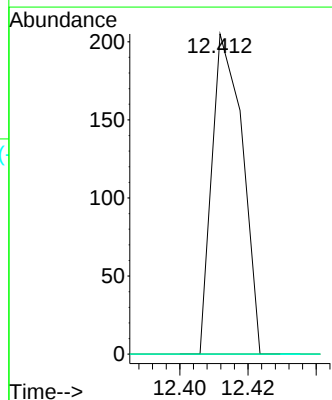
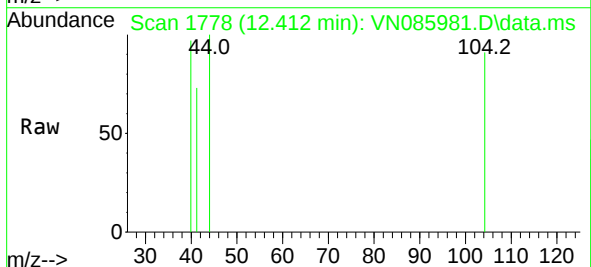
Instrument :
MSVOA_N
ClientSampleId :
NB-418-JB-COMP-01

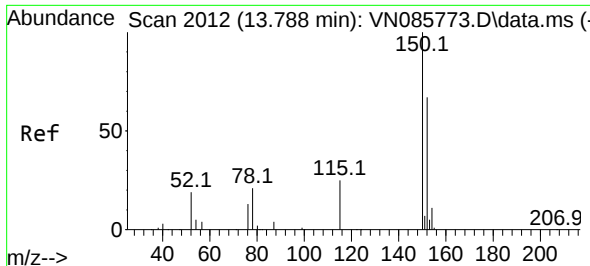
Tgt Ion:117 Resp: 260175
Ion Ratio Lower Upper
117 100
82 56.9 45.7 68.5
119 31.9 26.2 39.2



#70
Styrene
Concen: 0.606 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

Tgt Ion:104 Resp: 127
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 0.0 43.3 64.9#

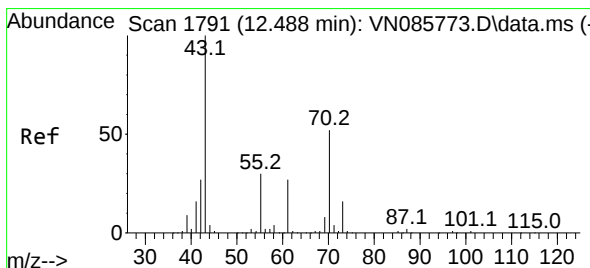
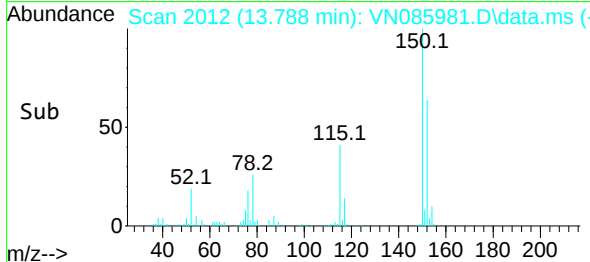
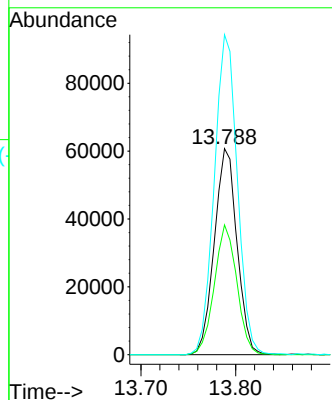
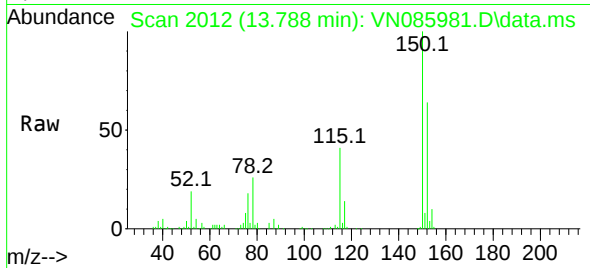




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN085981.D
 Acq: 13 Mar 2025 15:25

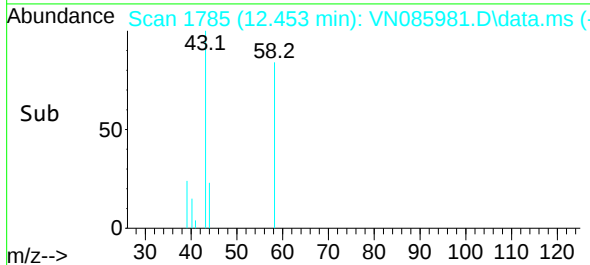
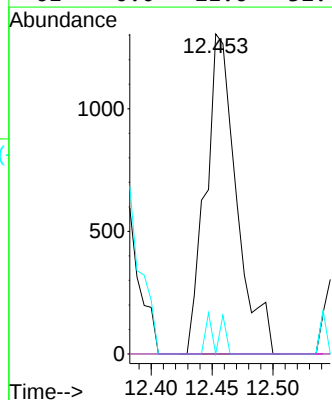
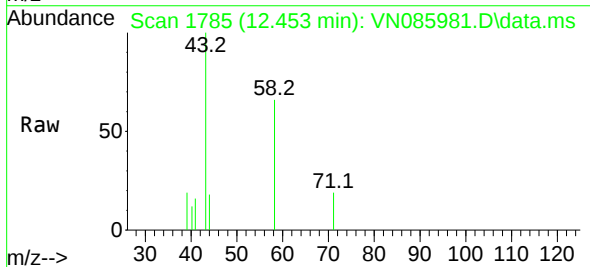
Instrument :
 MSVOA_N
 ClientSampleId :
 NB-418-JB-COMP-01

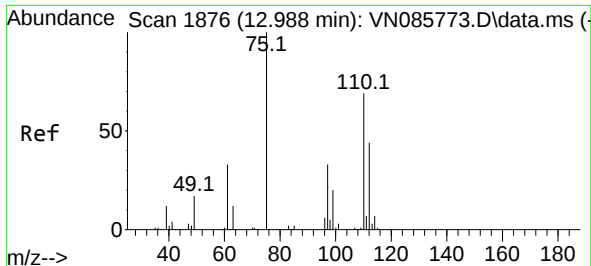
Tgt Ion:152 Resp: 101274
 Ion Ratio Lower Upper
 152 100
 115 62.6 30.4 91.3
 150 157.8 0.0 345.4



#74
 N-ethyl acetate
 Concen: 0.942 ug/l
 RT: 12.453 min Scan# 1785
 Delta R.T. -0.035 min
 Lab File: VN085981.D
 Acq: 13 Mar 2025 15:25

Tgt Ion: 43 Resp: 2305
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.0 61.4#
 55 5.0 24.6 36.8#
 61 0.0 21.6 32.4#

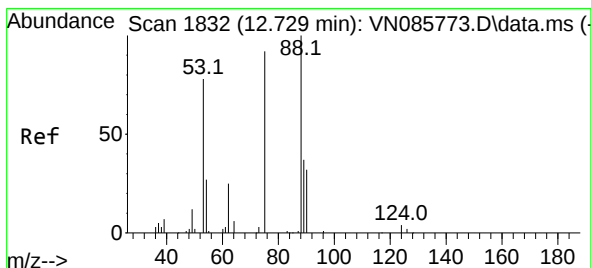
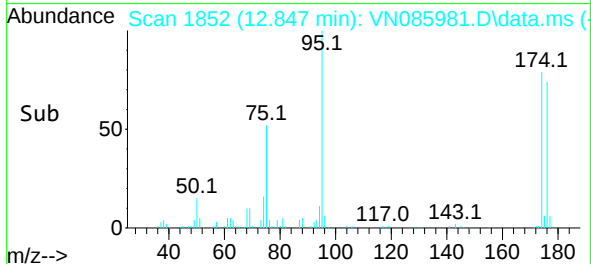
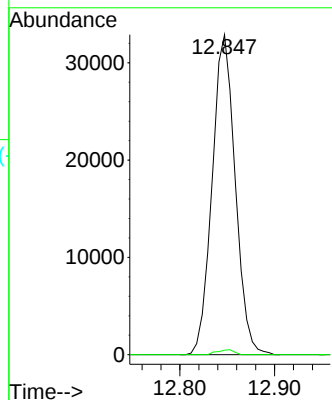
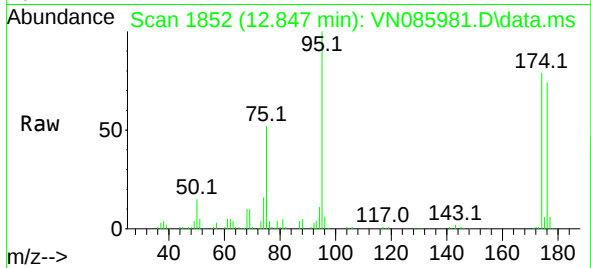




#76
1,2,3-Trichloropropane
Concen: 24.786 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

Instrument :
MSVOA_N
ClientSampleId :
NB-418-JB-COMP-01

Tgt Ion: 75 Resp: 55759
Ion Ratio Lower Upper
75 100
77 1.1 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.319 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085981.D
Acq: 13 Mar 2025 15:25

Tgt Ion: 75 Resp: 55759
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.9 52.3#

