

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086113.D
 Acq On : 25 Mar 2025 20:16
 Operator : JC\MD
 Sample : Q1630-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-206

Quant Time: Mar 26 03:26:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

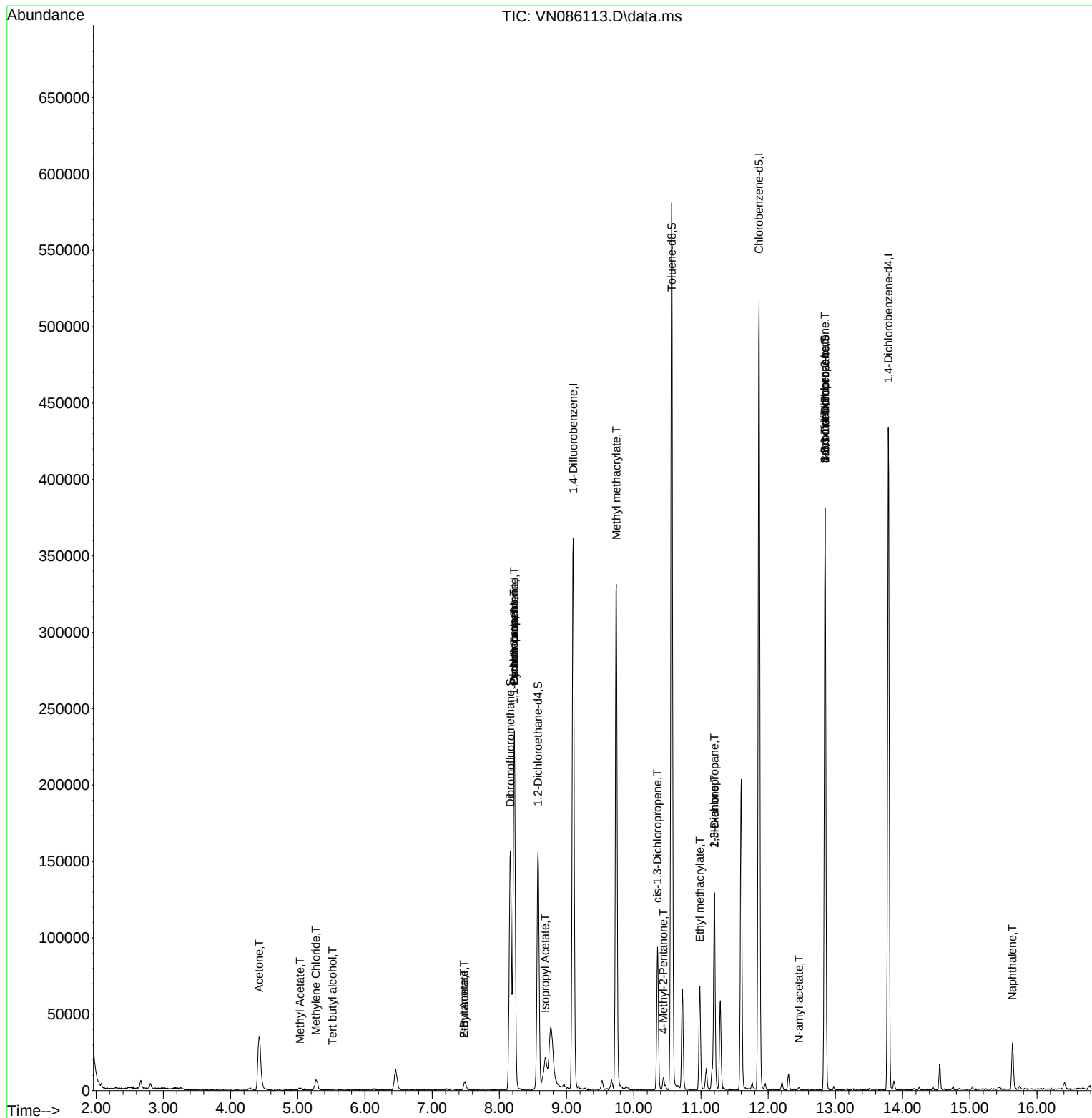
Internal Standards						
1) Pentafluorobenzene	8.224	168	166197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	320819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132112	58.051	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.100%			
35) Dibromofluoromethane	8.165	113	112767	50.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.720%			
50) Toluene-d8	10.565	98	412728	50.785	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.560%			
62) 4-Bromofluorobenzene	12.847	95	133528	46.071	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.140%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	493	1.530	ug/l #	73
16) Acetone	4.424	43	68996	99.235	ug/l	95
18) Methyl Acetate	5.036	43	2771	1.611	ug/l #	62
20) Methylene Chloride	5.271	84	5591	2.749	ug/l #	91
25) 2-Butanone	7.477	43	9539	9.508	ug/l #	81
31) Cyclohexane	8.224	56	3587	1.265	ug/l #	10
36) 1,1-Dichloropropene	8.218	75	13574	4.604	ug/l #	50
37) Ethyl Acetate	7.477	43	9539	3.835	ug/l #	64
38) Carbon Tetrachloride	8.224	117	17807	4.593	ug/l #	16
43) Isopropyl Acetate	8.683	43	26691	4.952	ug/l #	68
48) Methyl methacrylate	9.741	41	31941	17.957	ug/l #	32
51) 4-Methyl-2-Pentanone	10.441	43	8127	3.419	ug/l #	70
54) cis-1,3-Dichloropropene	10.353	75	17081	4.818	ug/l #	71
56) Ethyl methacrylate	10.982	69	620	0.414	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	1332	0.362	ug/l #	42
59) 2-Hexanone	11.200	43	16163	9.333	ug/l #	51
71) Bromoform	12.847	173	1065	0.484	ug/l #	1
74) N-amyl acetate	12.459	43	1466	0.522	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	67283	24.435	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67283	64.603	ug/l #	16
95) Naphthalene	15.635	128	29209	4.781	ug/l	97

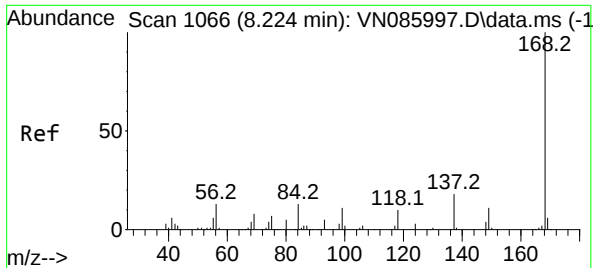
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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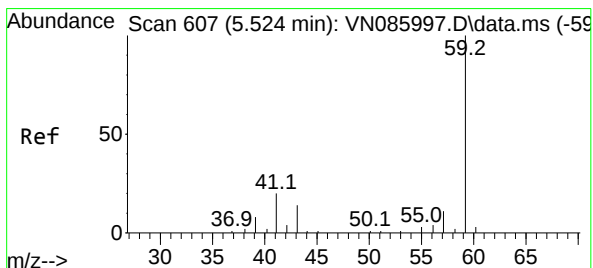
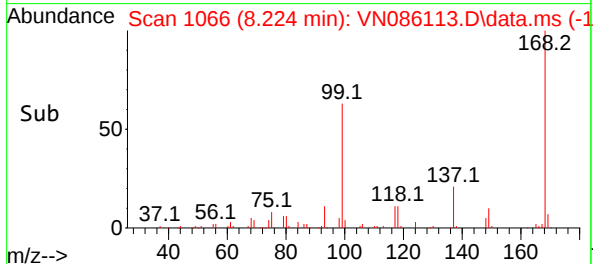
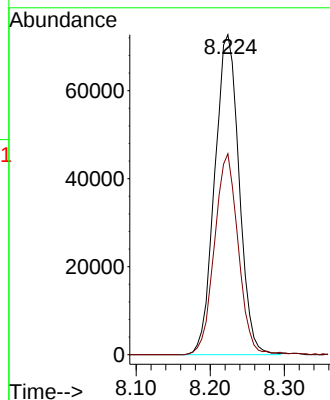
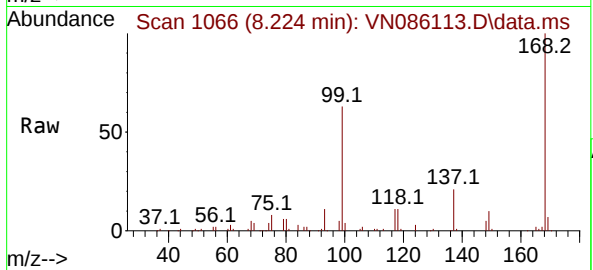




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

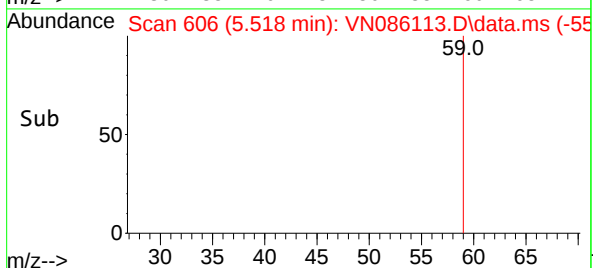
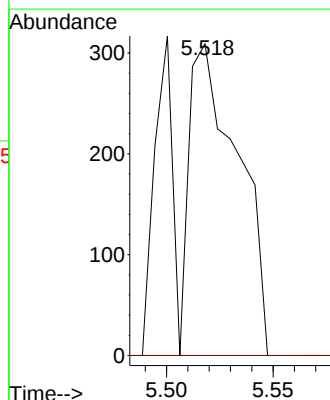
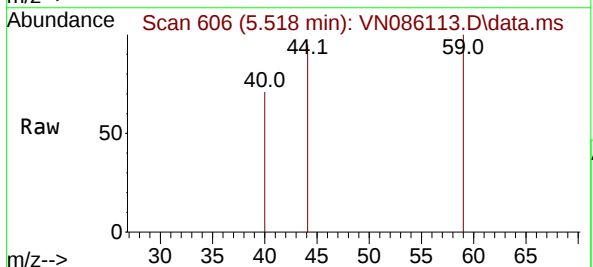
Instrument :
MSVOA_N
ClientSampleId :
VNJ-206

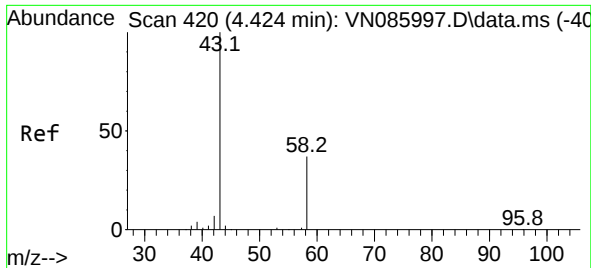
Tgt Ion:168 Resp: 166197
Ion Ratio Lower Upper
168 100
99 62.8 49.4 74.2



#11
Tert butyl alcohol
Concen: 1.530 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

Tgt Ion: 59 Resp: 493
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#16

Acetone

Concen: 99.235 ug/l

RT: 4.424 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN086113.D

Acq: 25 Mar 2025 20:16

Instrument :

MSVOA_N

ClientSampleId :

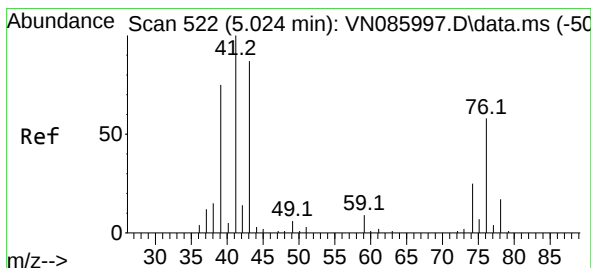
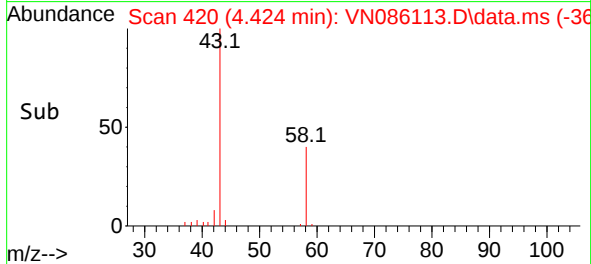
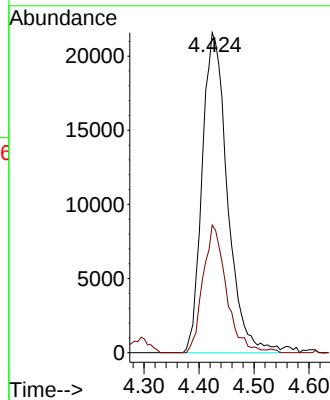
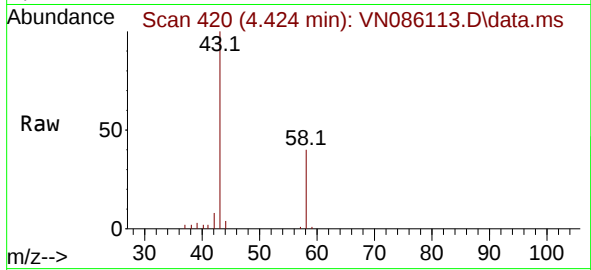
VNJ-206

Tgt Ion: 43 Resp: 68996

Ion Ratio Lower Upper

43 100

58 39.9 29.4 44.2



#18

Methyl Acetate

Concen: 1.611 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.012 min

Lab File: VN086113.D

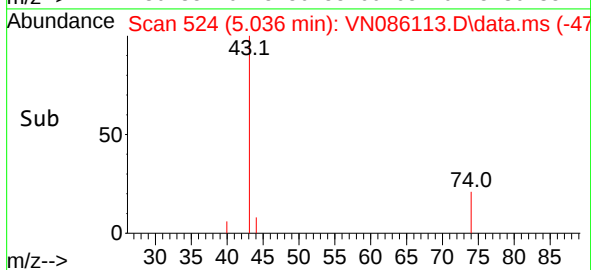
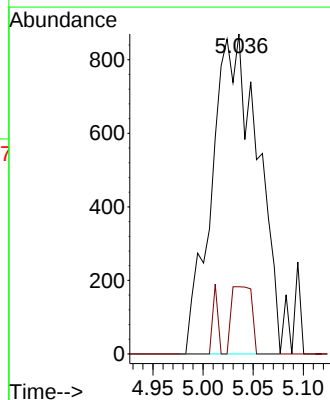
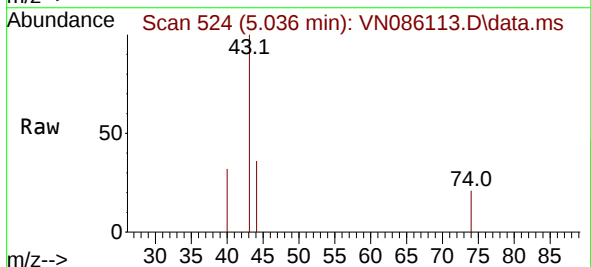
Acq: 25 Mar 2025 20:16

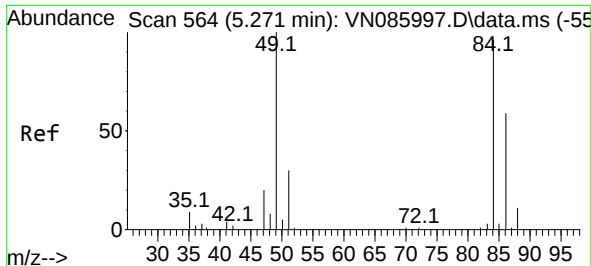
Tgt Ion: 43 Resp: 2771

Ion Ratio Lower Upper

43 100

74 9.2 23.9 35.9#

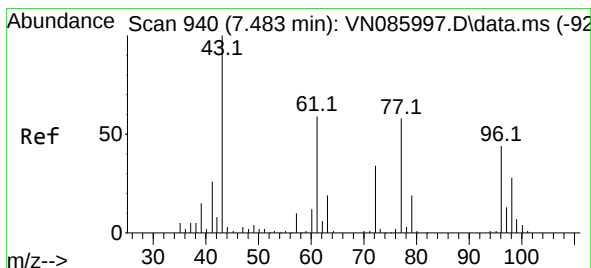
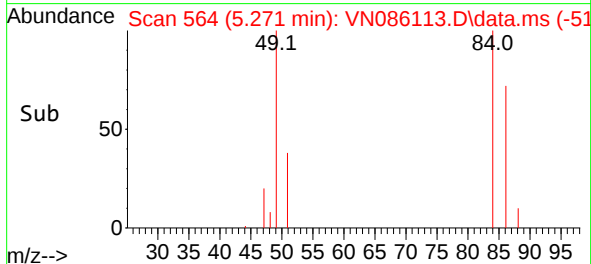
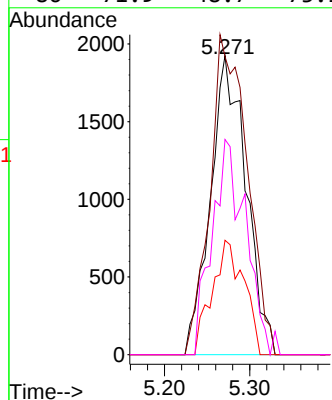
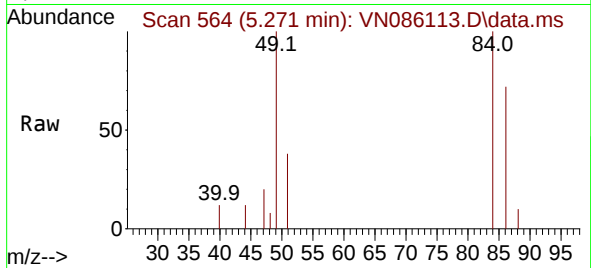




#20
Methylene Chloride
Concen: 2.749 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

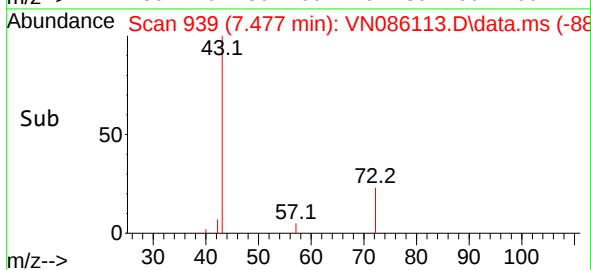
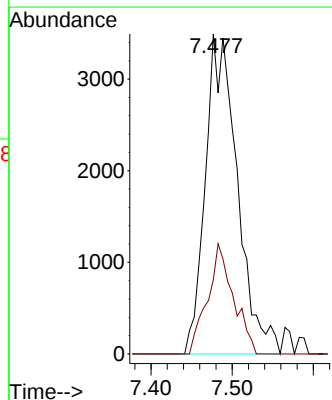
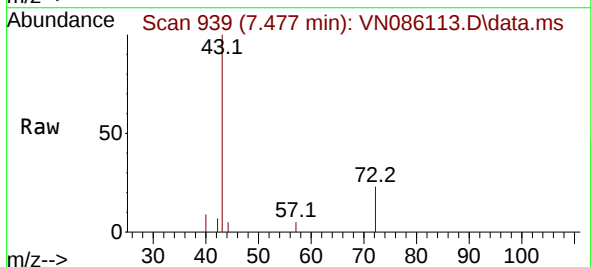
Instrument :
MSVOA_N
ClientSampleId :
VNJ-206

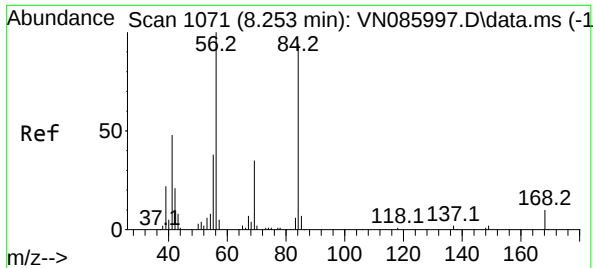
Tgt Ion: 84	Resp: 5591
Ion Ratio	Lower Upper
84 100	
49 99.7	83.3 124.9
51 38.2	24.8 37.2#
86 71.9	48.7 73.1



#25
2-Butanone
Concen: 9.508 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

Tgt Ion: 43	Resp: 9539		
Ion Ratio	Lower	Upper	
43 100			
72 23.2	27.4	41.0#	

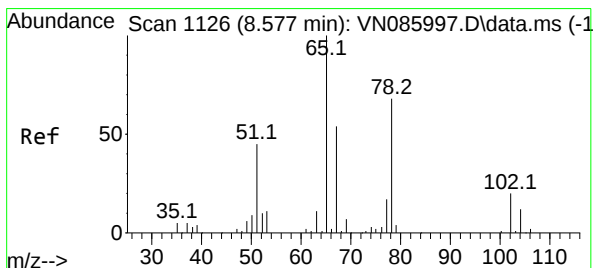
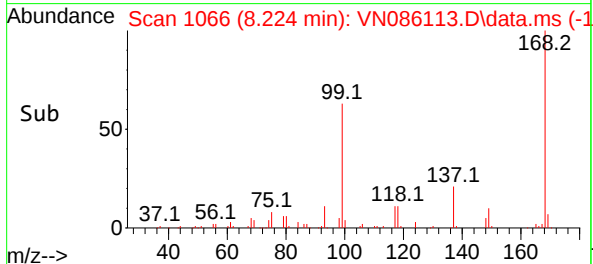
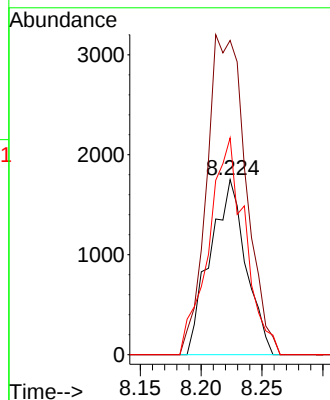
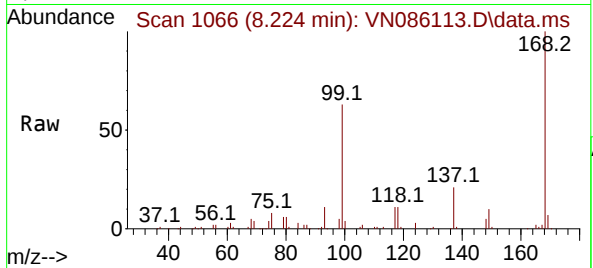




#31
Cyclohexane
Concen: 1.265 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

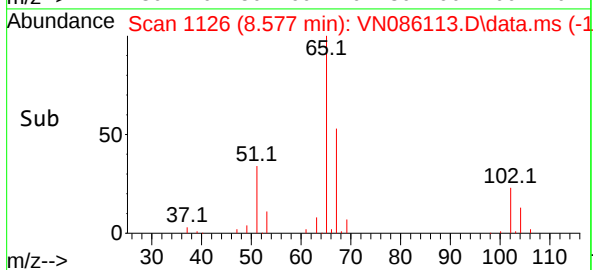
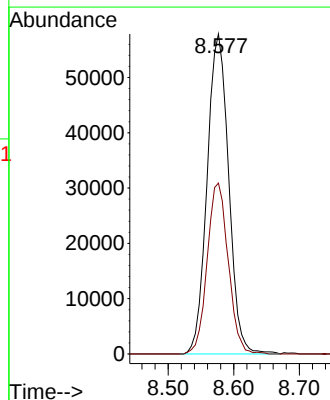
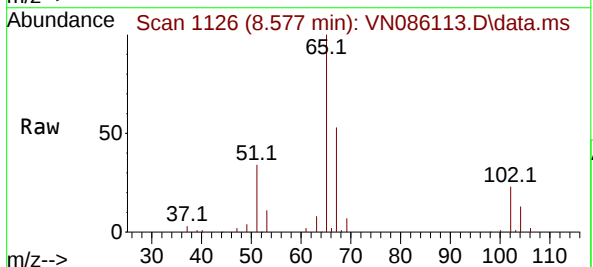
Instrument :
MSVOA_N
ClientSampleId :
VNJ-206

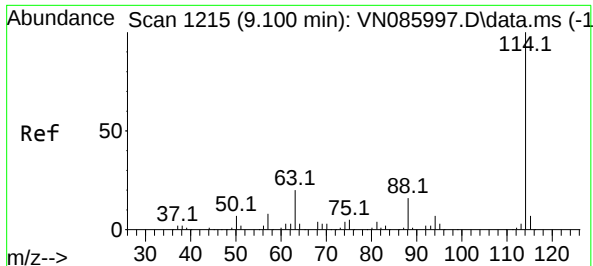
Tgt Ion: 56 Resp: 3587
Ion Ratio Lower Upper
56 100
69 179.5 28.0 42.0#
84 123.9 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 58.051 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

Tgt Ion: 65 Resp: 132112
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086113.D

Acq: 25 Mar 2025 20:16

Instrument :

MSVOA_N

ClientSampleId :

VNJ-206

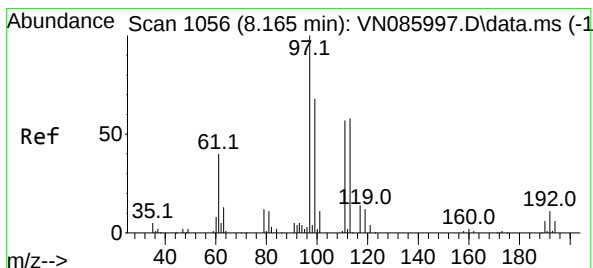
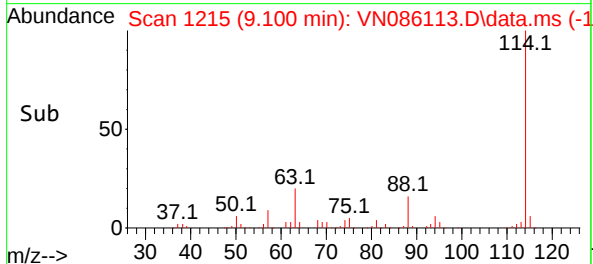
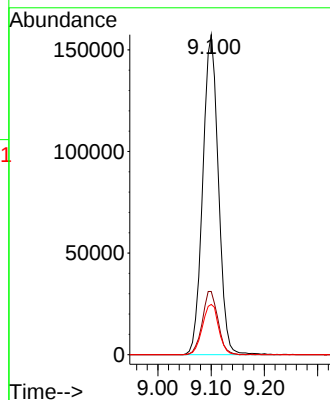
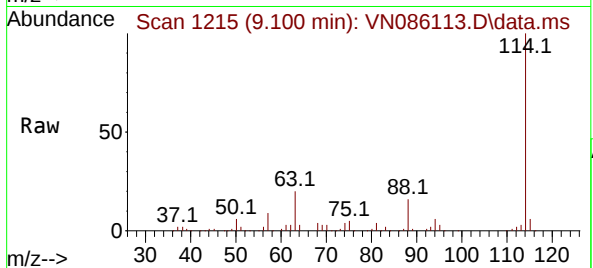
Tgt Ion:114 Resp: 320819

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 15.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.359 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086113.D

Acq: 25 Mar 2025 20:16

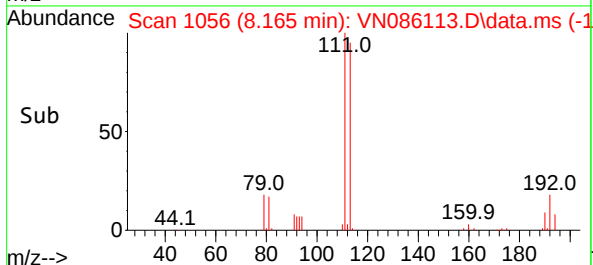
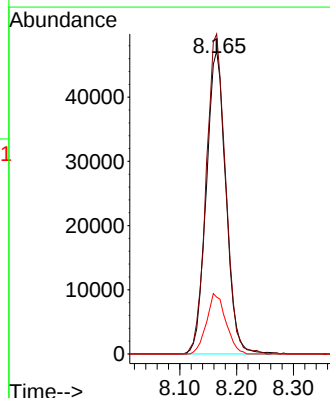
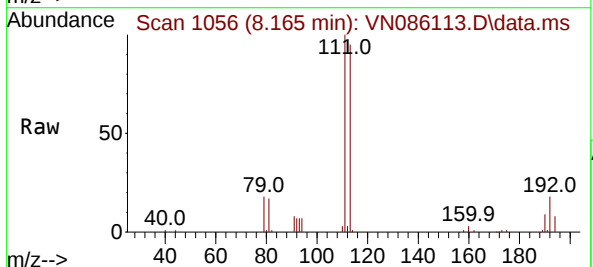
Tgt Ion:113 Resp: 112767

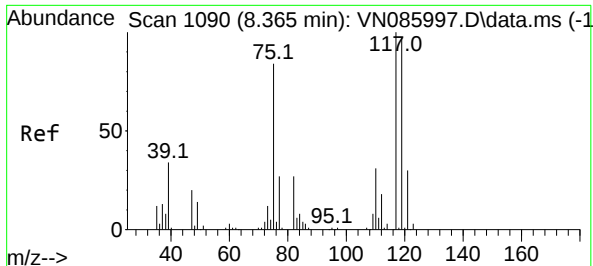
Ion Ratio Lower Upper

113 100

111 104.6 81.8 122.8

192 19.6 15.9 23.9

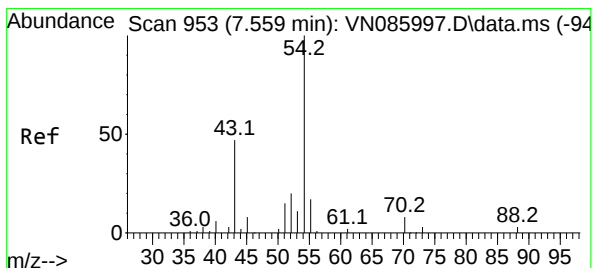
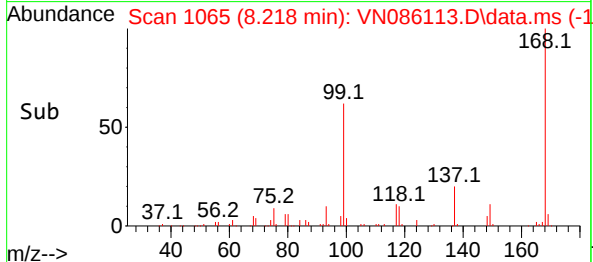
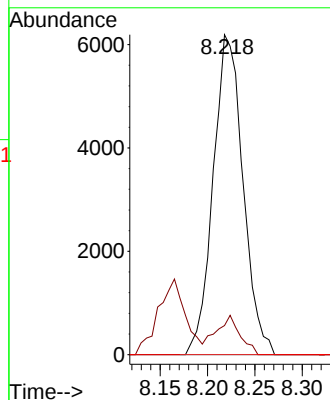
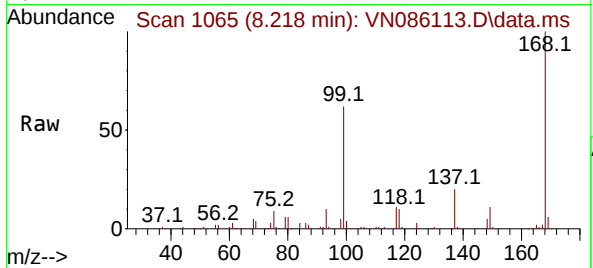




#36
1,1-Dichloropropene
Concen: 4.604 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

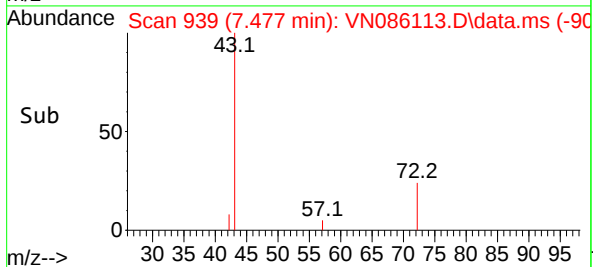
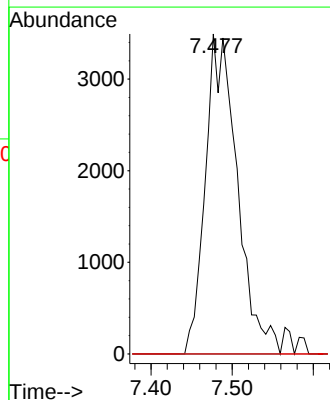
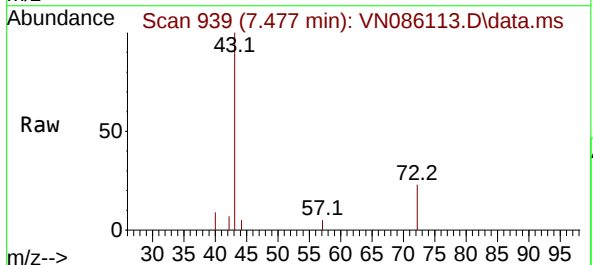
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ClientSampleId :
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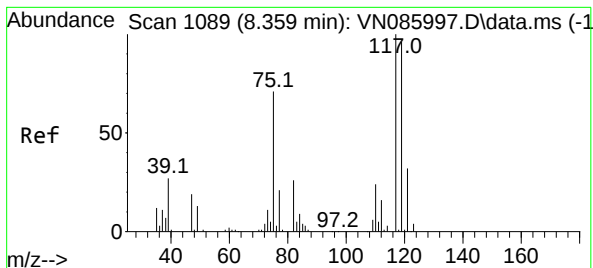
Tgt Ion: 75 Resp: 13574
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 3.835 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.082 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

Tgt Ion: 43 Resp: 9539
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 11.0 16.6#





#38

Carbon Tetrachloride

Concen: 4.593 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086113.D

Acq: 25 Mar 2025 20:16

Instrument :

MSVOA_N

ClientSampleId :

VNJ-206

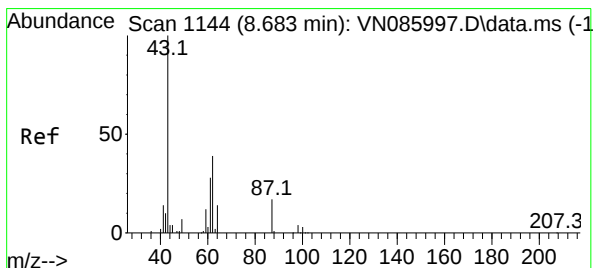
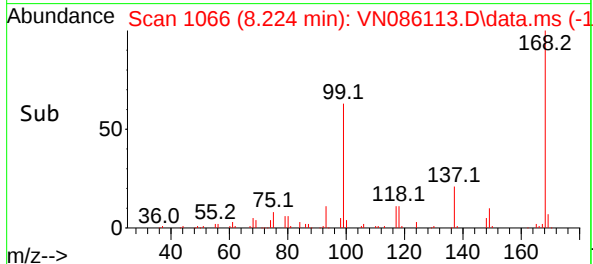
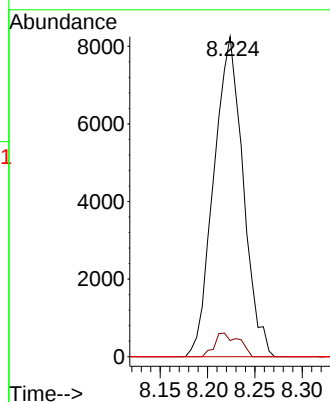
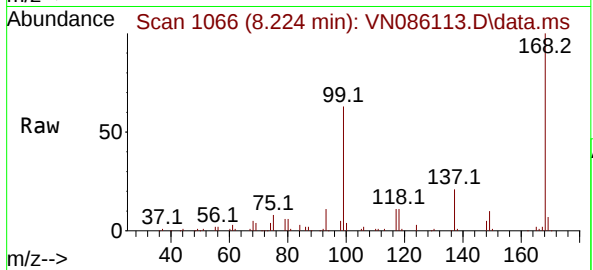
Tgt Ion:117 Resp: 17807

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.4#

121 0.0 25.6 38.4#



#43

Isopropyl Acetate

Concen: 4.952 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086113.D

Acq: 25 Mar 2025 20:16

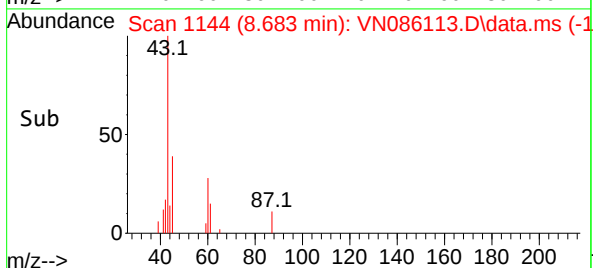
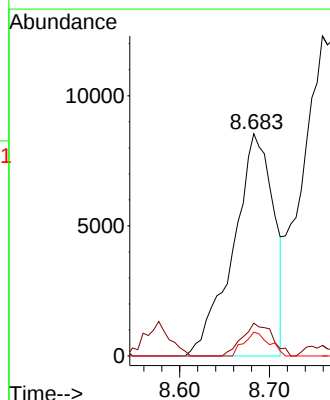
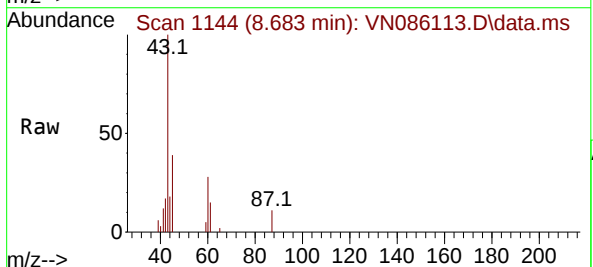
Tgt Ion: 43 Resp: 26691

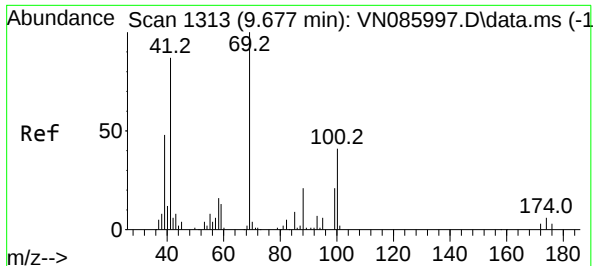
Ion Ratio Lower Upper

43 100

61 10.9 25.0 37.6#

87 6.7 13.0 19.4#

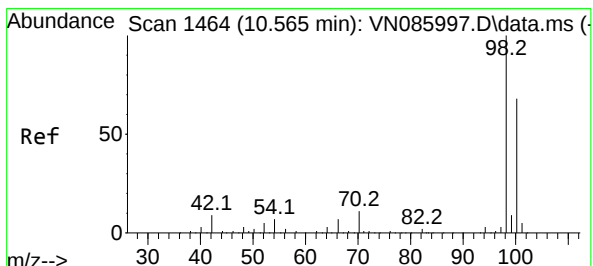
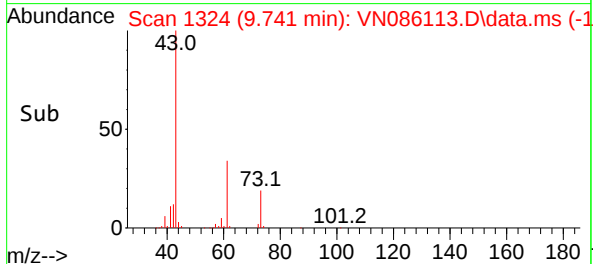
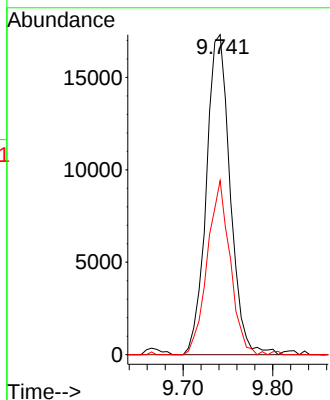
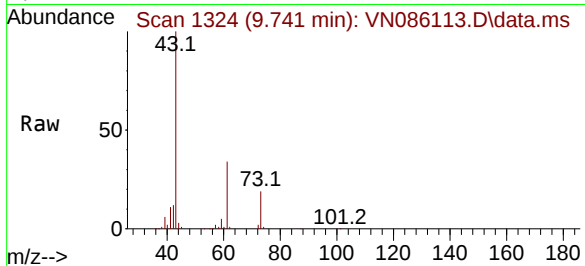




#48
Methyl methacrylate
Concen: 17.957 ug/l
RT: 9.741 min Scan# 1313
Delta R.T. 0.065 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

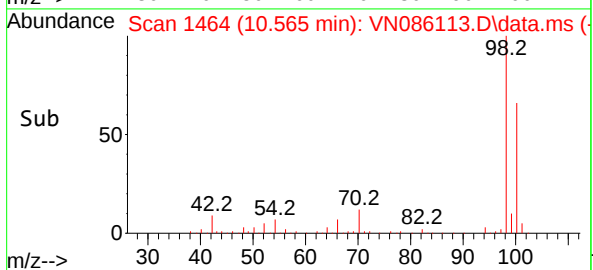
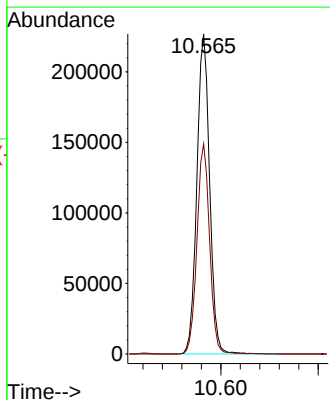
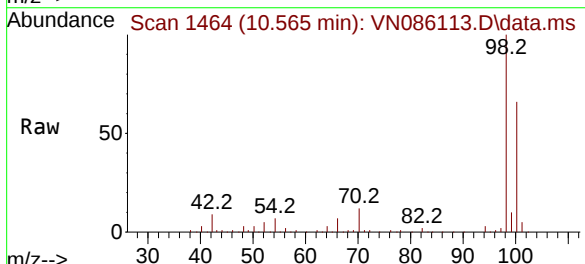
Instrument :
MSVOA_N
ClientSampleId :
VNJ-206

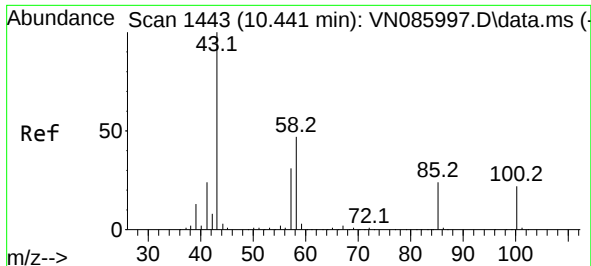
Tgt Ion: 41 Resp: 31941
Ion Ratio Lower Upper
41 100
69 0.0 83.1 124.7#
39 52.1 45.6 68.4



#50
Toluene-d8
Concen: 50.785 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

Tgt Ion: 98 Resp: 412728
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7

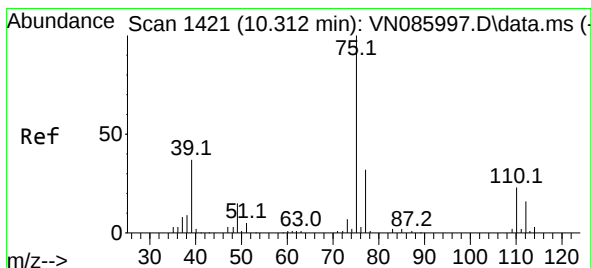
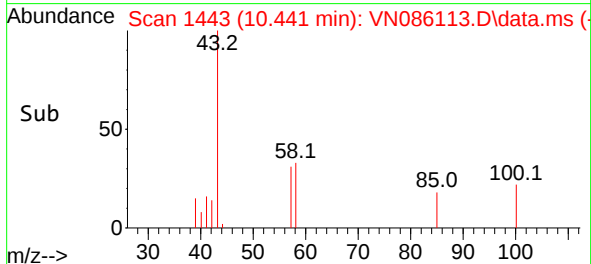
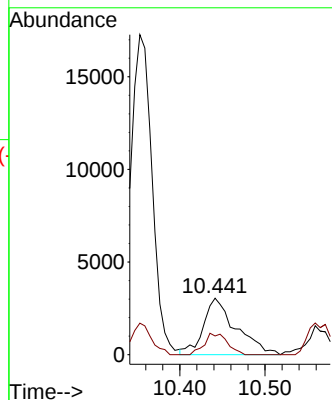
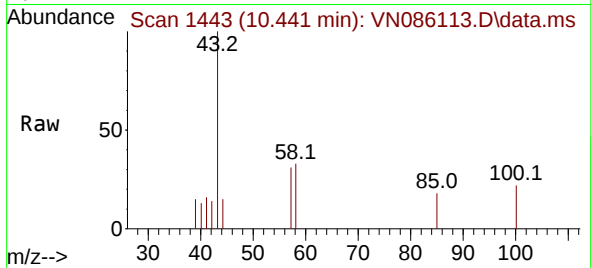




#51
4-Methyl-2-Pentanone
Concen: 3.419 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

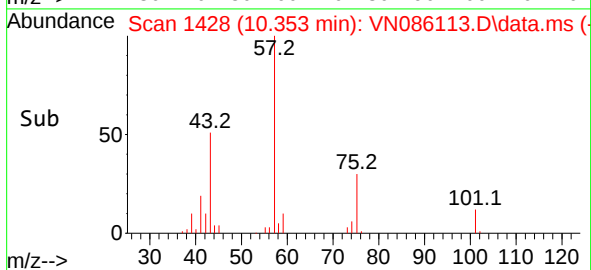
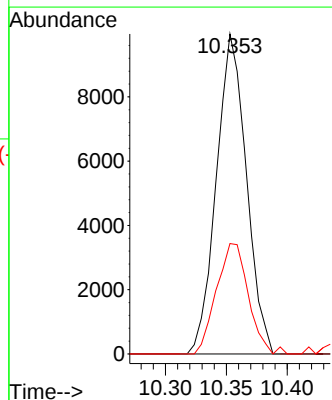
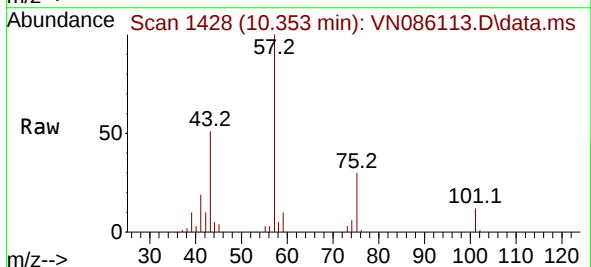
Instrument :
MSVOA_N
ClientSampleId :
VNJ-206

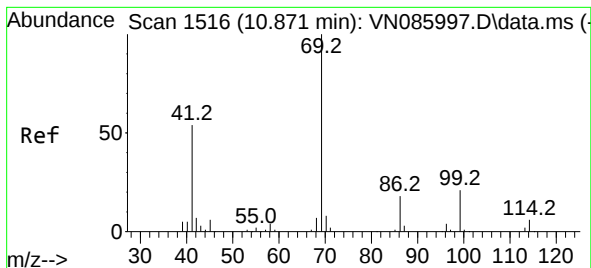
Tgt Ion: 43 Resp: 8127
Ion Ratio Lower Upper
43 100
58 26.6 37.4 56.0#



#54
cis-1,3-Dichloropropene
Concen: 4.818 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

Tgt Ion: 75 Resp: 17081
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 34.5 29.6 44.4

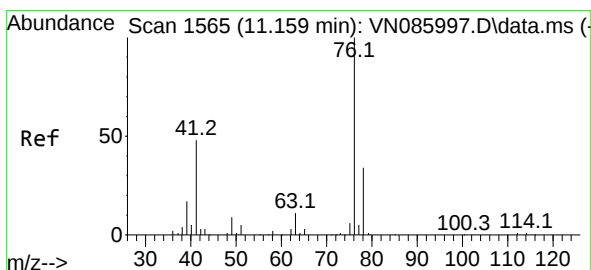
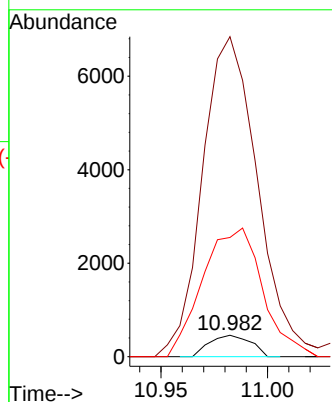
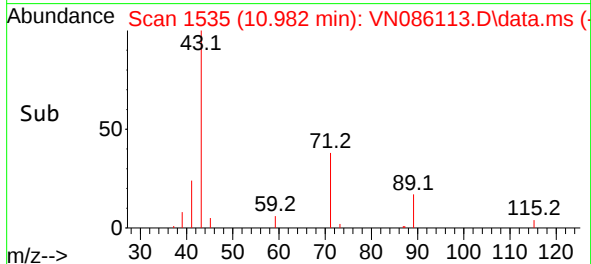
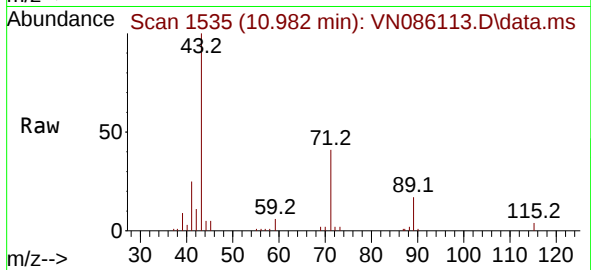




#56
Ethyl methacrylate
Concen: 0.414 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.111 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

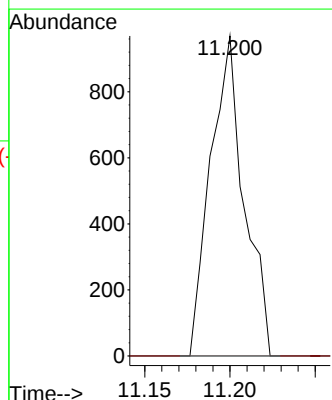
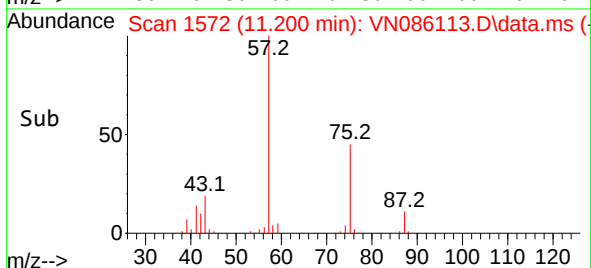
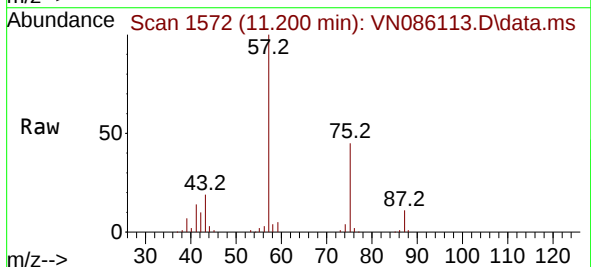
Instrument :
MSVOA_N
ClientSampleId :
VNJ-206

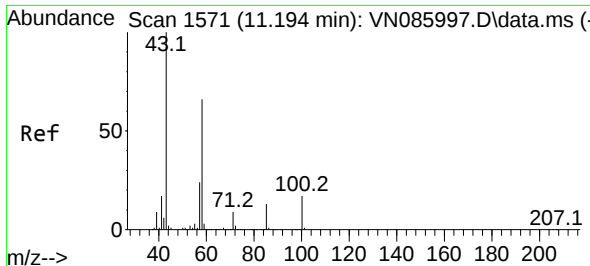
Tgt Ion: 69 Resp: 620
Ion Ratio Lower Upper
69 100
41 2031.6 41.6 62.4#
39 869.4 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 0.362 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

Tgt Ion: 76 Resp: 1332
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

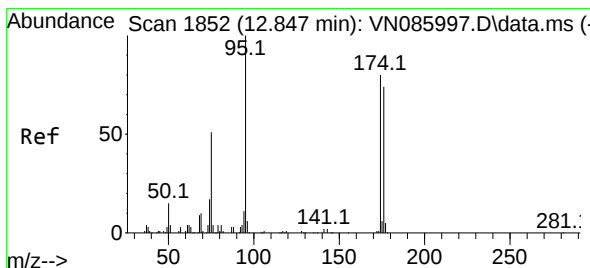
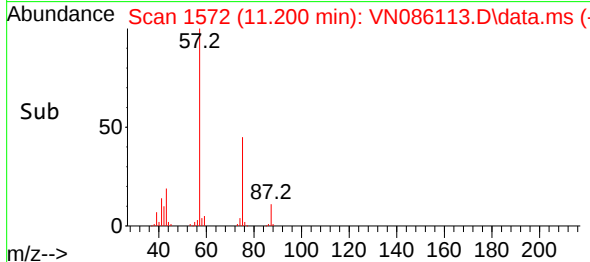
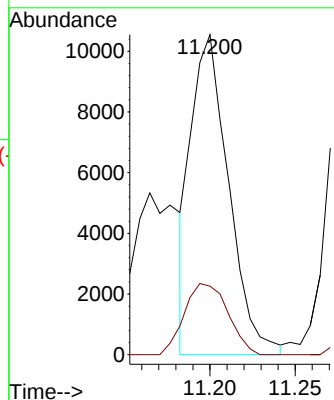
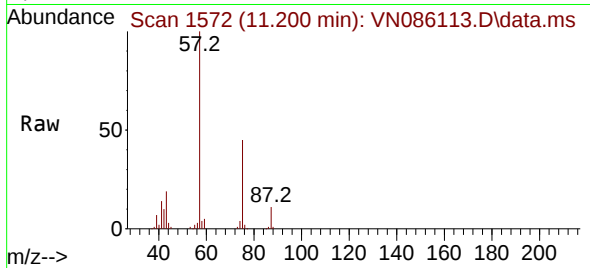




#59
2-Hexanone
Concen: 9.333 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

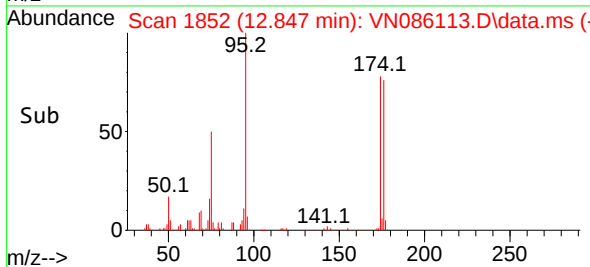
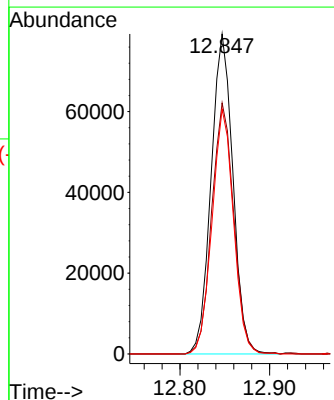
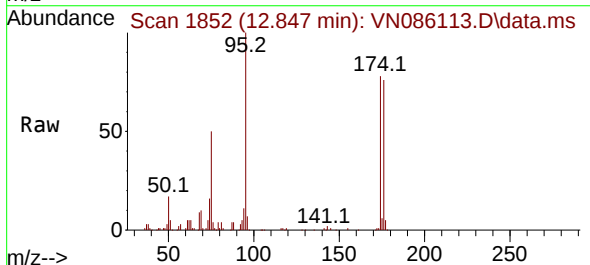
Instrument :
MSVOA_N
ClientSampleId :
VNJ-206

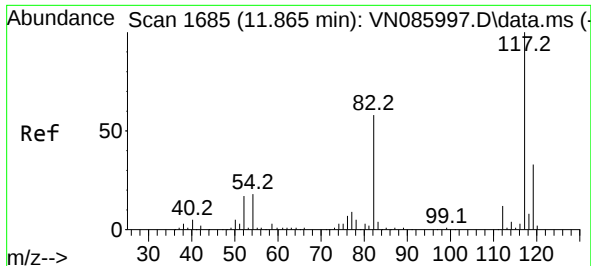
Tgt Ion: 43 Resp: 16163
Ion Ratio Lower Upper
43 100
58 25.8 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 46.071 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

Tgt Ion: 95 Resp: 133528
Ion Ratio Lower Upper
95 100
174 79.5 0.0 156.8
176 75.4 0.0 152.2

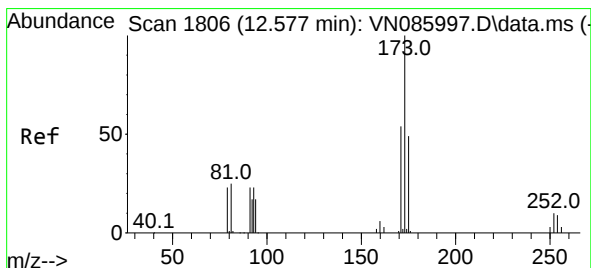
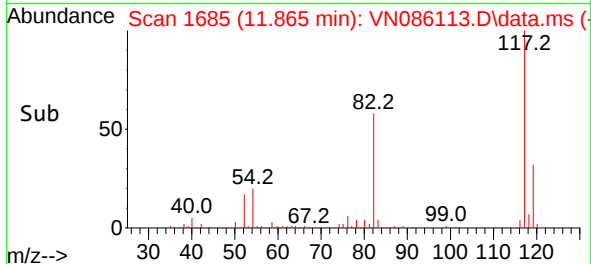
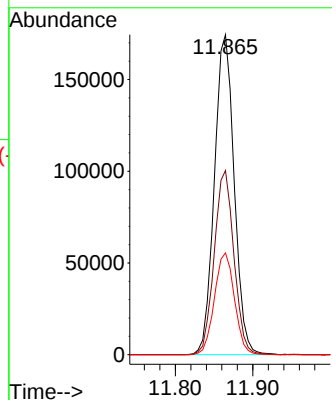
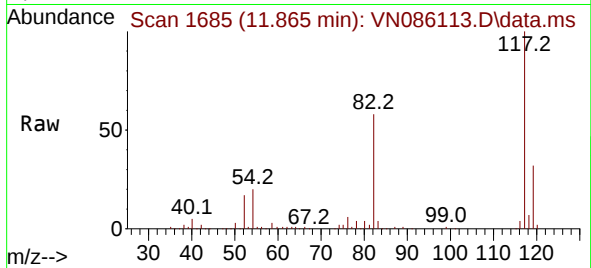




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

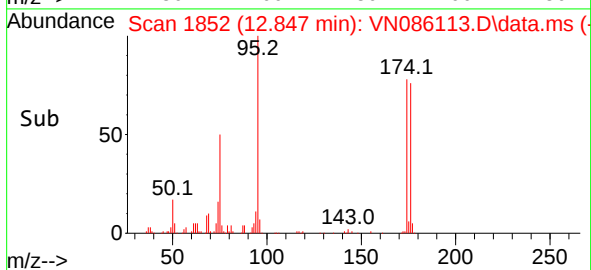
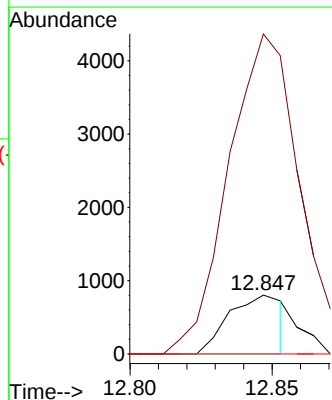
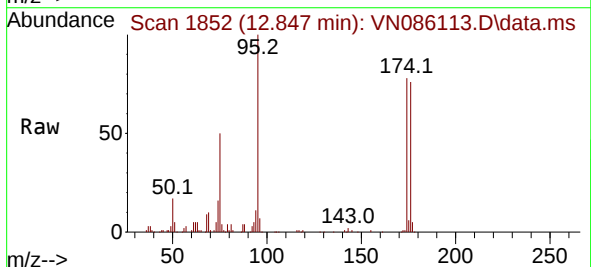
Instrument :
MSVOA_N
ClientSampleId :
VNJ-206

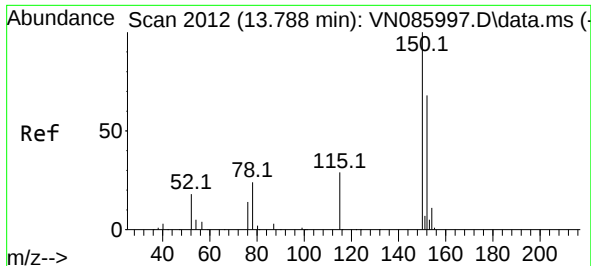
Tgt Ion:117 Resp: 309527
Ion Ratio Lower Upper
117 100
82 57.6 46.7 70.1
119 31.8 26.5 39.7



#71
Bromoform
Concen: 0.484 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

Tgt Ion:173 Resp: 1065
Ion Ratio Lower Upper
173 100
175 555.6 24.3 73.0#
254 0.0 0.0 0.0

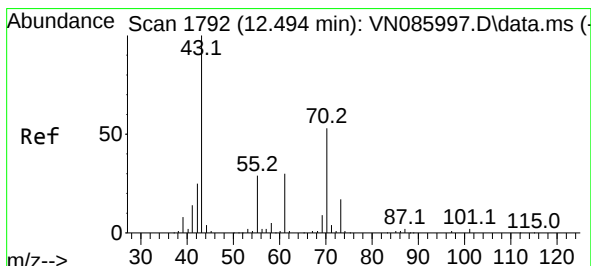
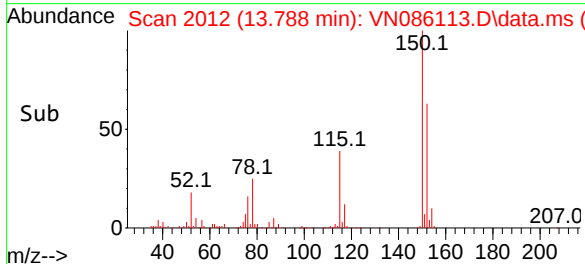
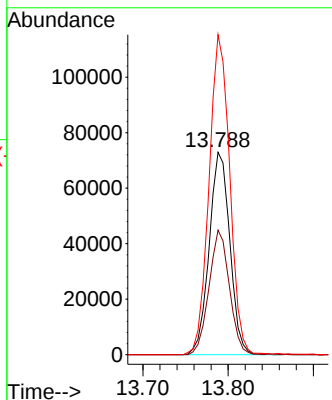
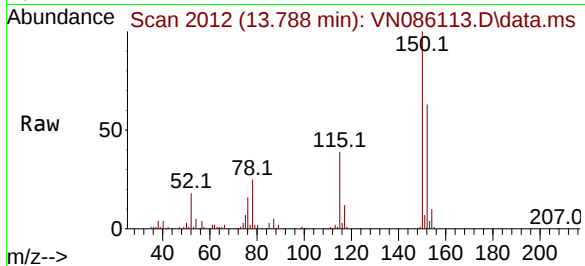




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

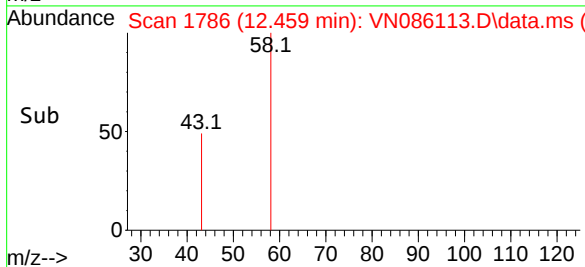
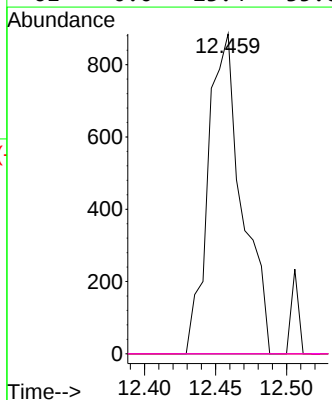
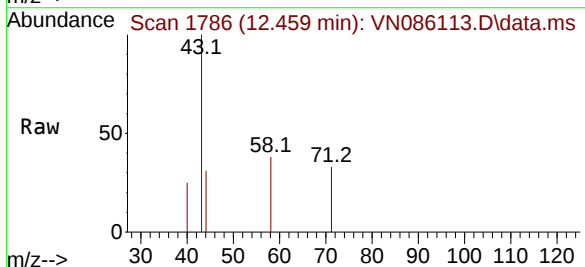
Instrument :
MSVOA_N
ClientSampleId :
VNJ-206

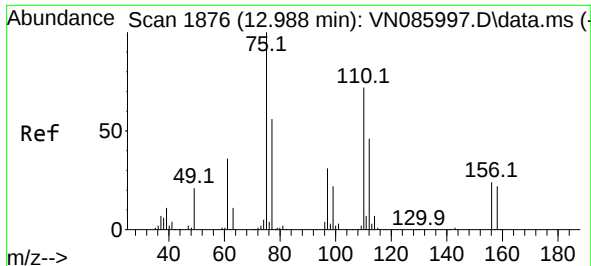
Tgt Ion:152 Resp: 122990
Ion Ratio Lower Upper
152 100
115 60.5 31.1 93.2
150 158.0 0.0 359.6



#74
N-ethyl acetate
Concen: 0.522 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

Tgt Ion: 43 Resp: 1466
Ion Ratio Lower Upper
43 100
70 0.0 43.0 64.4#
55 0.0 23.8 35.8#
61 0.0 23.4 35.0#

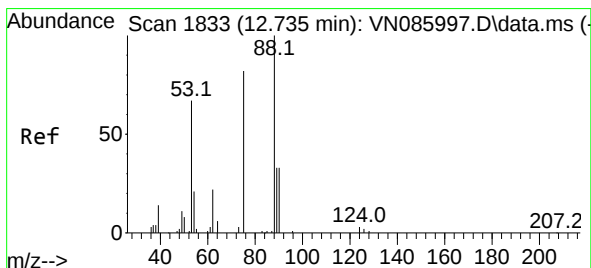
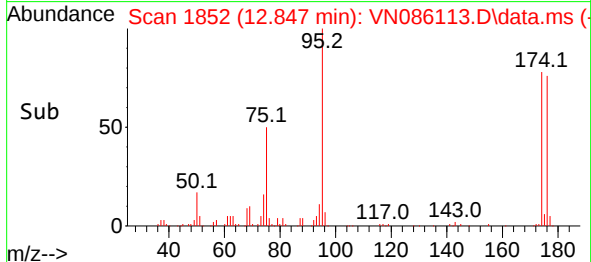
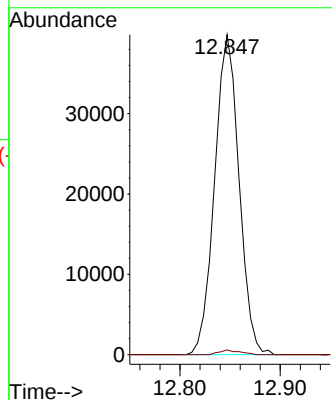
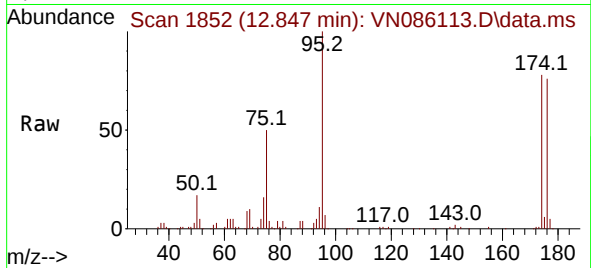




#76
1,2,3-Trichloropropane
Concen: 24.435 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

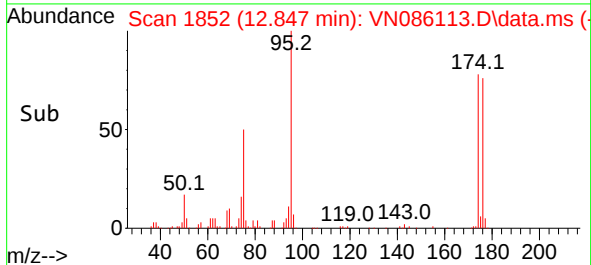
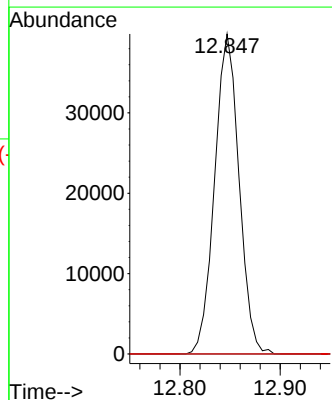
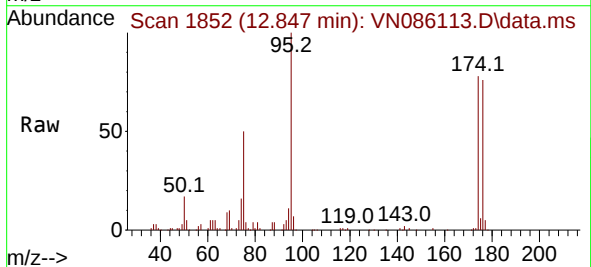
Instrument :
MSVOA_N
ClientSampleId :
VNJ-206

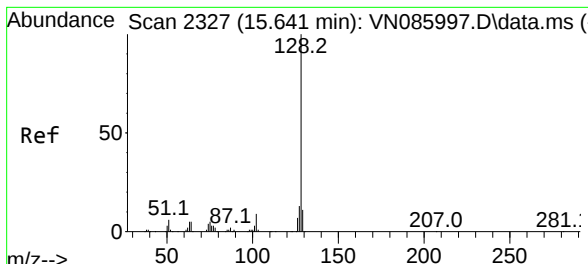
Tgt Ion: 75 Resp: 67283
Ion Ratio Lower Upper
75 100
77 1.2 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.603 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

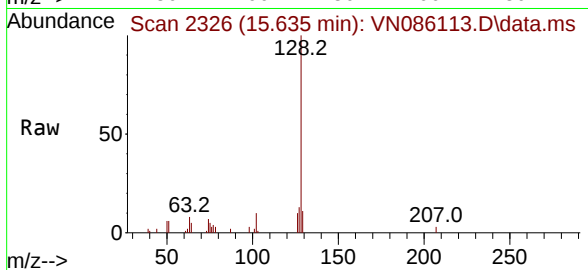
Tgt Ion: 75 Resp: 67283
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 4.781 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN086113.D
Acq: 25 Mar 2025 20:16

Instrument :
MSVOA_N
ClientSampleId :
VNJ-206



Tgt Ion:	128	Resp:	29209
Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.2	15.4
129	11.6	9.0	13.6

