

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031325\
 Data File : VN085977.D
 Acq On : 13 Mar 2025 13:49
 Operator : JC\MD
 Sample : PB167104ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167104ZHE#02

Quant Time: Mar 14 00:28:39 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)

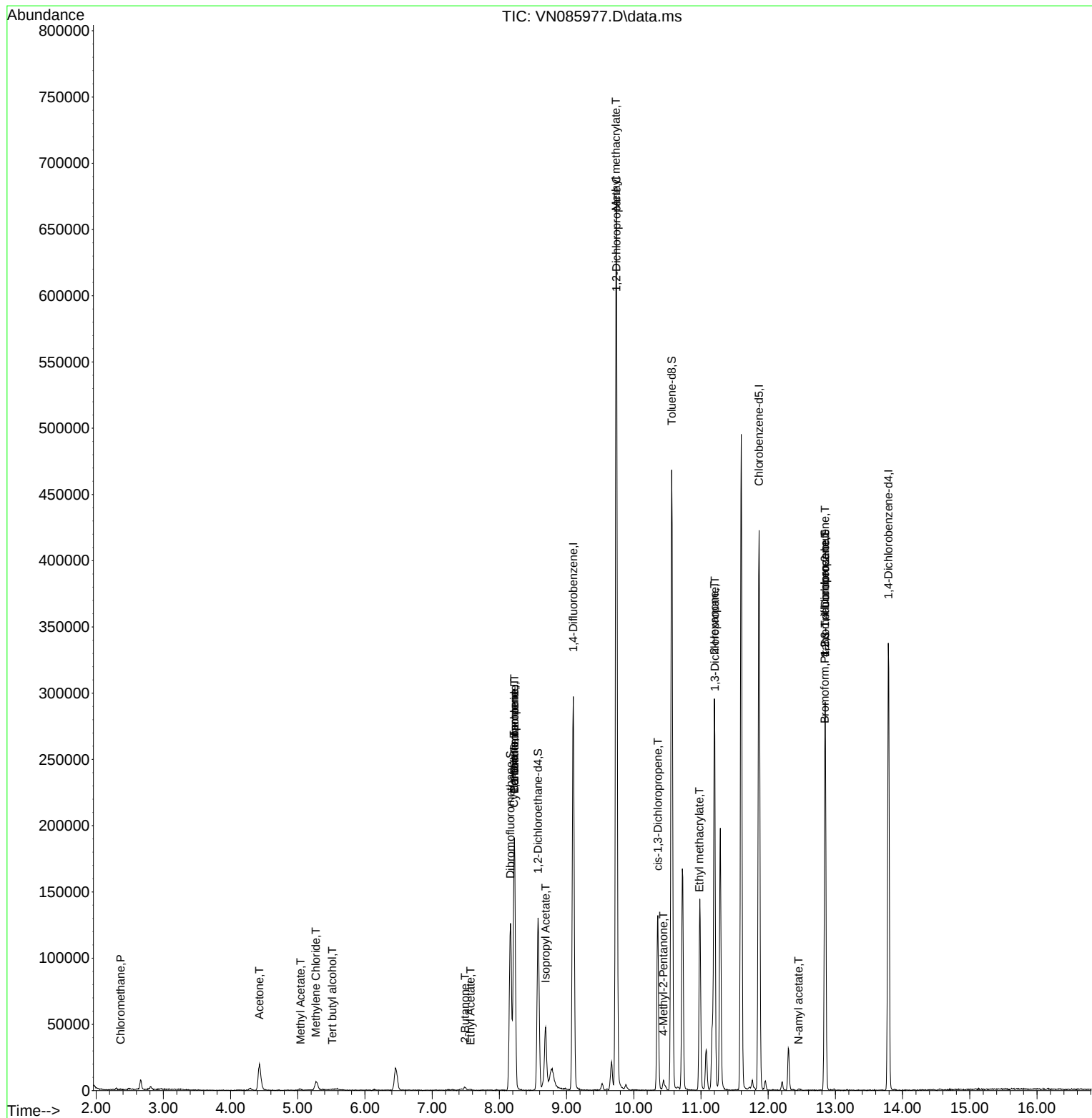
Internal Standards						
1) Pentafluorobenzene	8.224	168	135240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	93743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	109331	62.356	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 124.720%	
35) Dibromofluoromethane	8.165	113	90919	54.339	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.680%	
50) Toluene-d8	10.565	98	330111	54.227	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.460%	
62) 4-Bromofluorobenzene	12.847	95	101410	50.561	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	376	0.204	ug/l #	41
11) Tert butyl alcohol	5.512	59	464	2.152	ug/l #	72
16) Acetone	4.430	43	36161	65.180	ug/l	99
18) Methyl Acetate	5.041	43	1732	0.908	ug/l #	64
20) Methylene Chloride	5.271	84	5239	2.936	ug/l #	83
25) 2-Butanone	7.488	43	4243	5.199	ug/l #	84
31) Cyclohexane	8.218	56	2718	1.085	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	10883	4.596	ug/l #	48
37) Ethyl Acetate	7.571	43	1353	0.694	ug/l #	66
38) Carbon Tetrachloride	8.224	117	14783	5.254	ug/l #	18
43) Isopropyl Acetate	8.688	43	53106	15.147	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	923	0.504	ug/l #	43
48) Methyl methacrylate	9.735	41	58866	40.674	ug/l #	36
51) 4-Methyl-2-Pentanone	10.441	43	7495	3.989	ug/l #	69
54) cis-1,3-Dichloropropene	10.359	75	24372	8.694	ug/l #	67
56) Ethyl methacrylate	10.976	69	1056	0.923	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3137	1.062	ug/l #	42
59) 2-Hexanone	11.200	43	37956	29.365	ug/l #	52
71) Bromoform	12.841	173	843	0.555	ug/l #	27
74) N-amyl acetate	12.453	43	1308	0.578	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	51710	24.833	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	51710	72.455	ug/l #	12

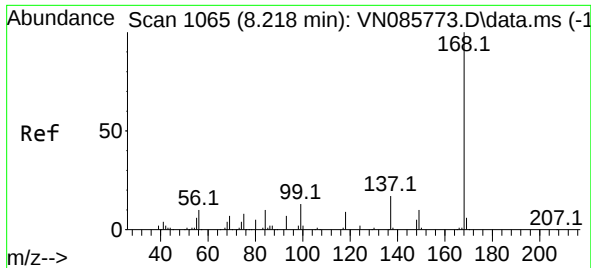
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031325\
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Sample : PB167104ZHE#02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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Quant Time: Mar 14 00:28:39 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

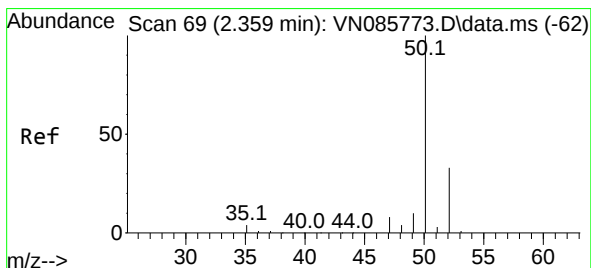
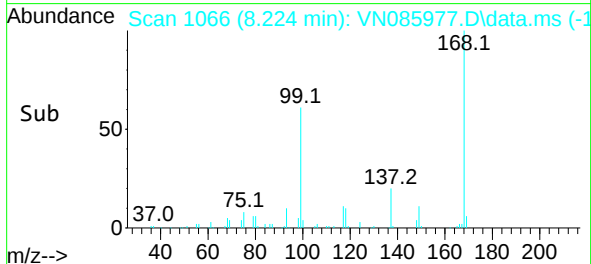
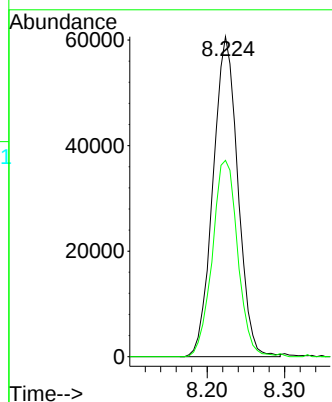
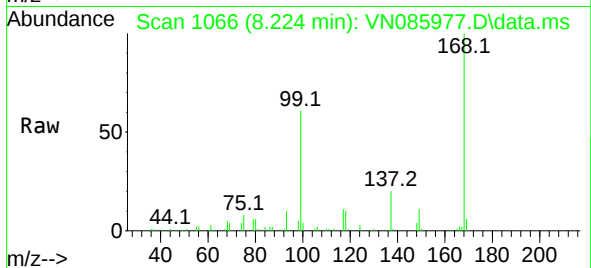




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

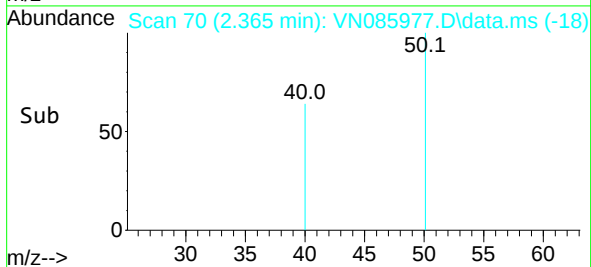
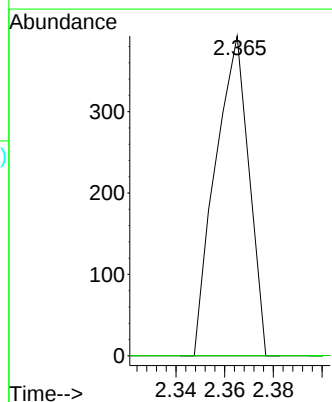
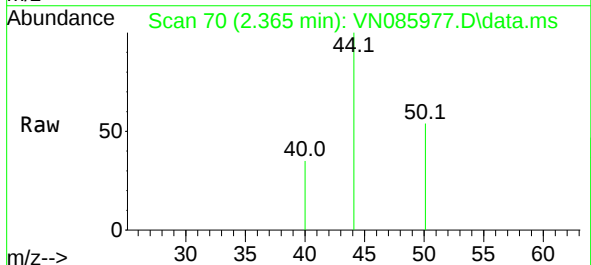
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#02

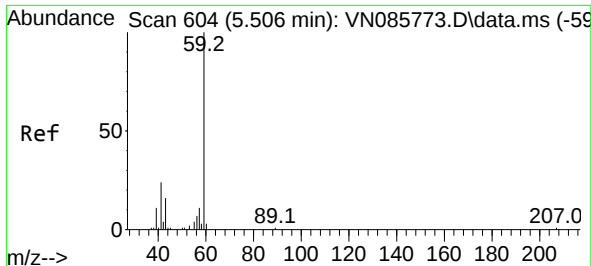
Tgt Ion:168 Resp: 135240
Ion Ratio Lower Upper
168 100
99 61.3 47.9 71.9



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

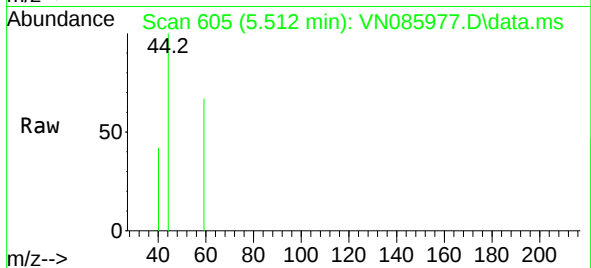
Tgt Ion: 50 Resp: 376
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#



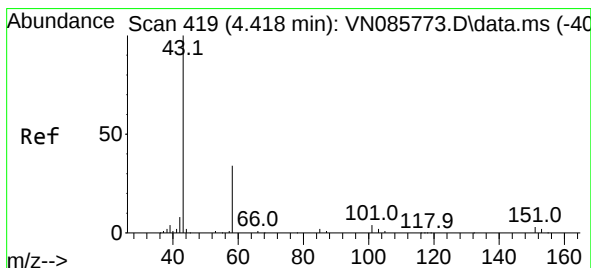
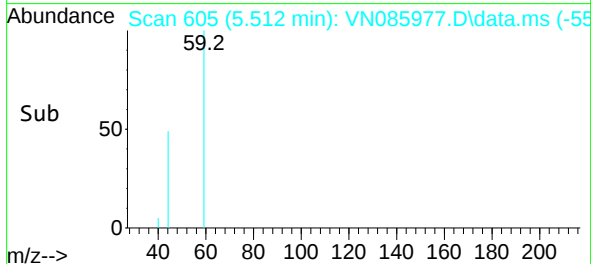
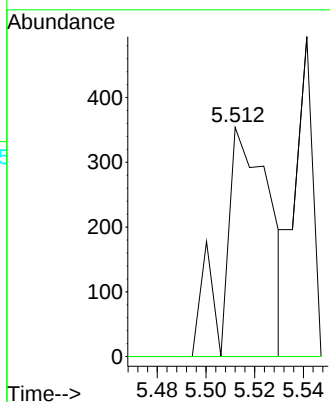


#11
Tert butyl alcohol
Concen: 2.152 ug/l
RT: 5.512 min Scan# 604
Delta R.T. 0.006 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#02

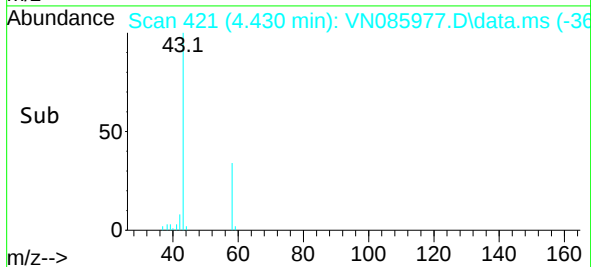
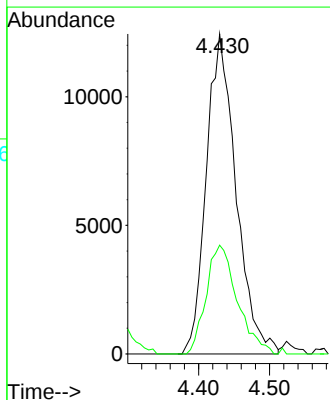
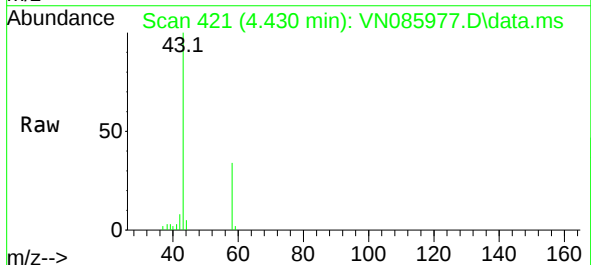


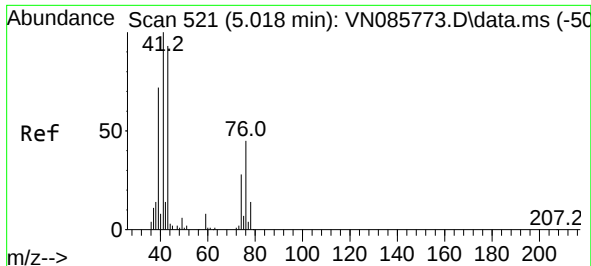
Tgt Ion: 59 Resp: 464
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 65.180 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Tgt Ion: 43 Resp: 36161
Ion Ratio Lower Upper
43 100
58 34.0 27.5 41.3

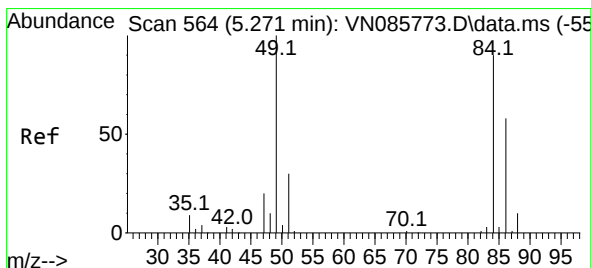
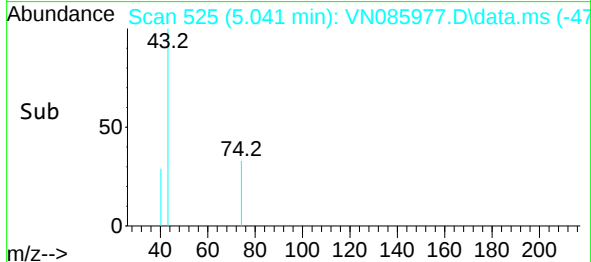
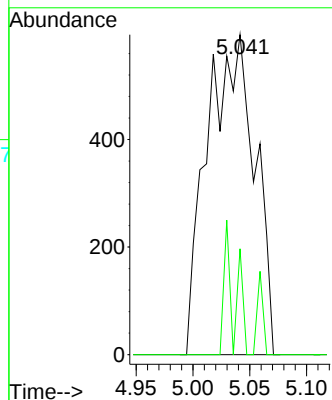
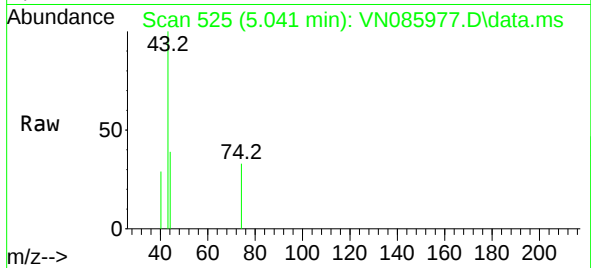




#18
Methyl Acetate
Concen: 0.908 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

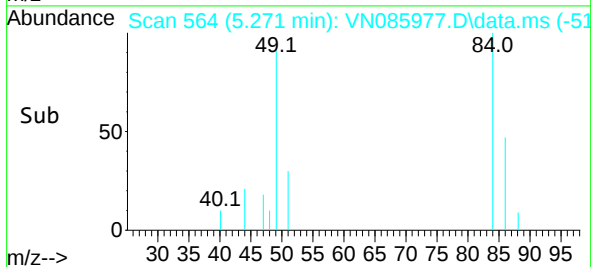
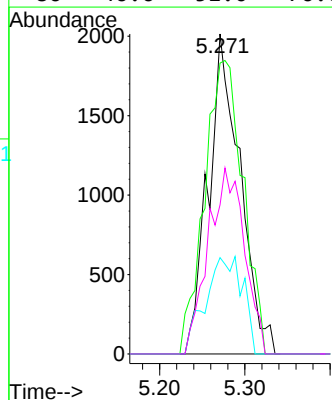
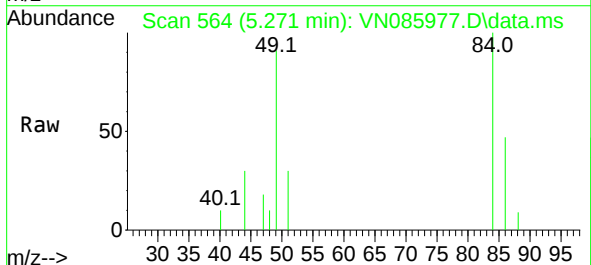
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#02

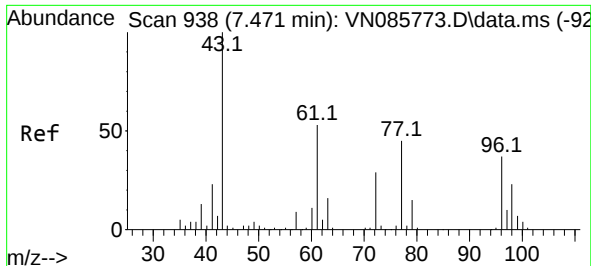
Tgt Ion: 43 Resp: 1732
Ion Ratio Lower Upper
43 100
74 9.1 22.2 33.4#



#20
Methylene Chloride
Concen: 2.936 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Tgt Ion: 84 Resp: 5239
Ion Ratio Lower Upper
84 100
49 90.9 88.4 132.6
51 30.1 26.6 40.0
86 46.6 51.0 76.6#

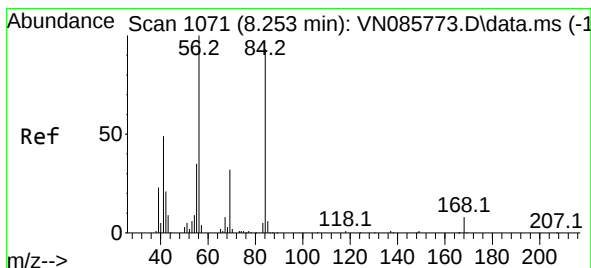
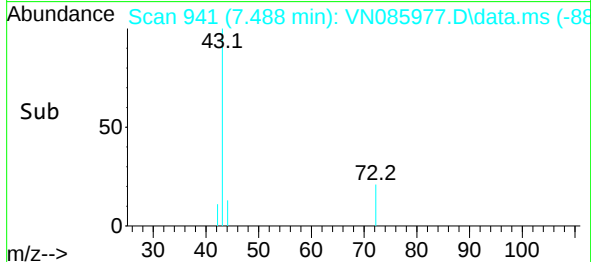
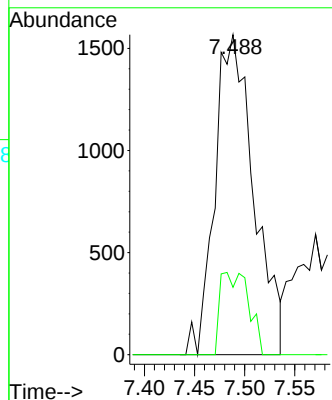
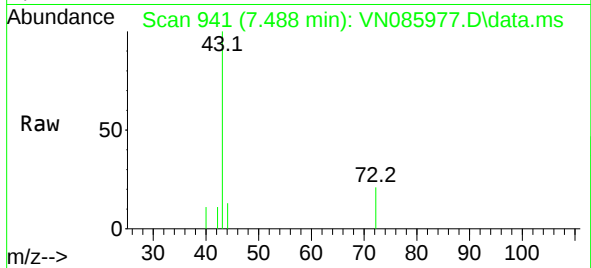




#25
2-Butanone
Concen: 5.199 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

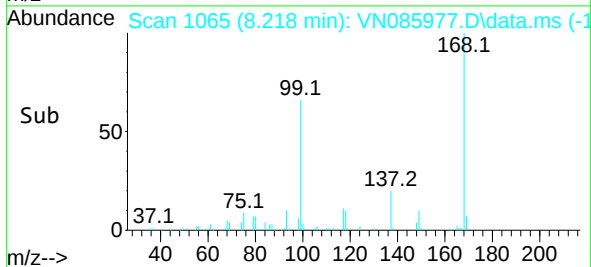
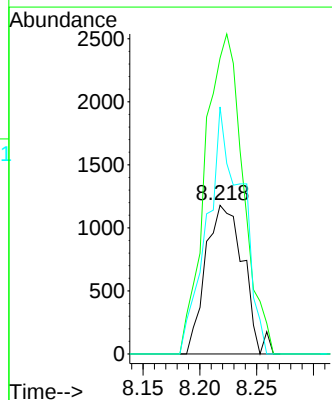
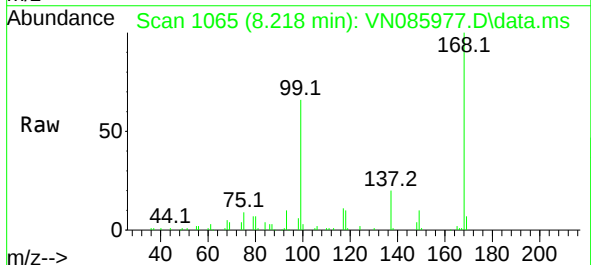
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#02

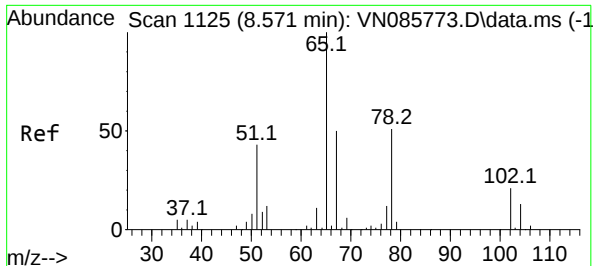
Tgt Ion: 43 Resp: 4243
Ion Ratio Lower Upper
43 100
72 21.1 23.6 35.4#



#31
Cyclohexane
Concen: 1.085 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Tgt Ion: 56 Resp: 2718
Ion Ratio Lower Upper
56 100
69 199.0 25.8 38.6#
84 166.2 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 62.356 ug/l

RT: 8.576 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085977.D

Acq: 13 Mar 2025 13:49

Instrument :

MSVOA_N

ClientSampleId :

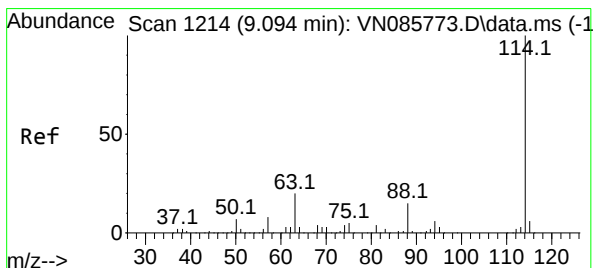
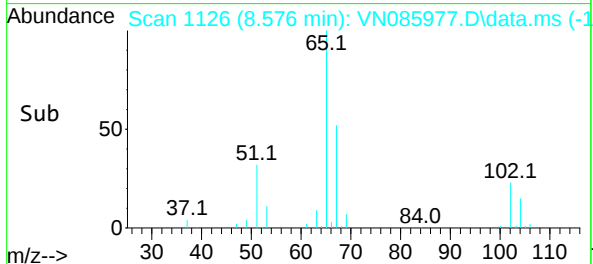
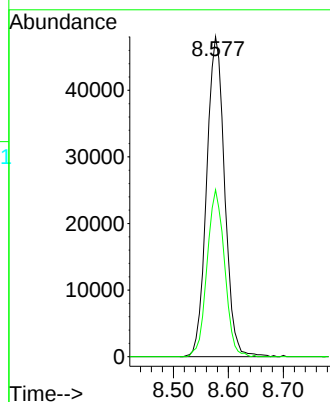
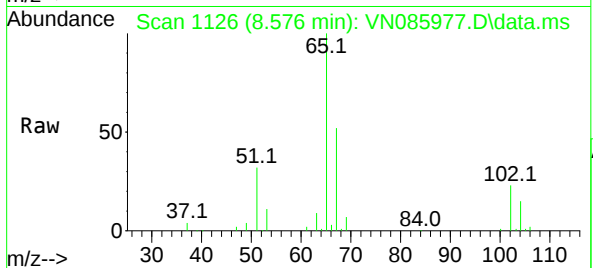
PB167104ZHE#02

Tgt Ion: 65 Resp: 109331

Ion Ratio Lower Upper

65 100

67 50.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085977.D

Acq: 13 Mar 2025 13:49

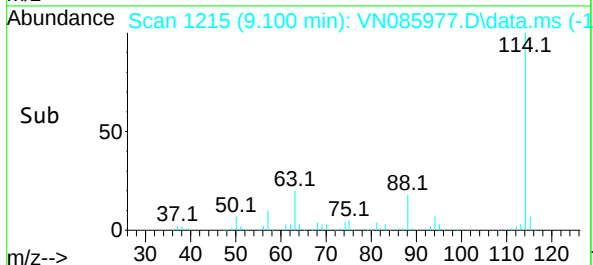
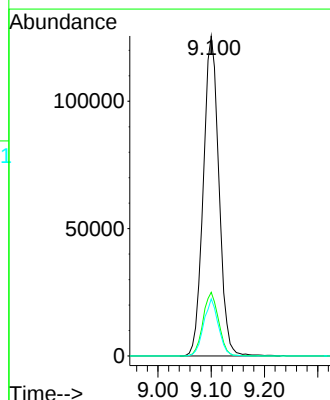
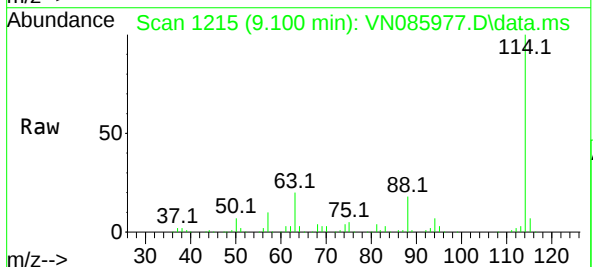
Tgt Ion: 114 Resp: 255701

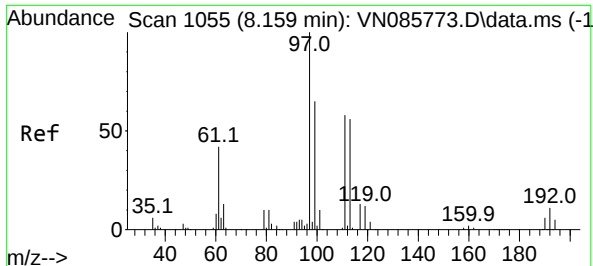
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

88 17.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 54.339 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085977.D

Acq: 13 Mar 2025 13:49

Instrument :

MSVOA_N

ClientSampleId :

PB167104ZHE#02

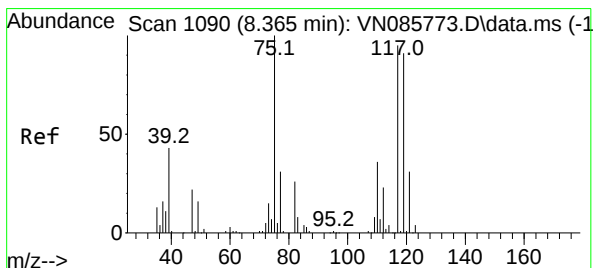
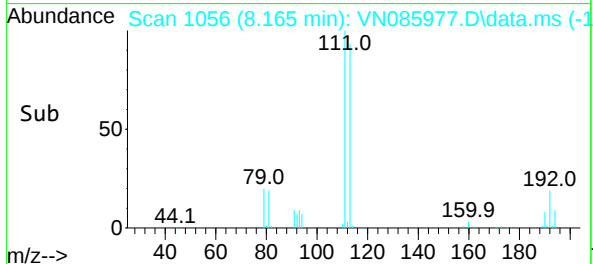
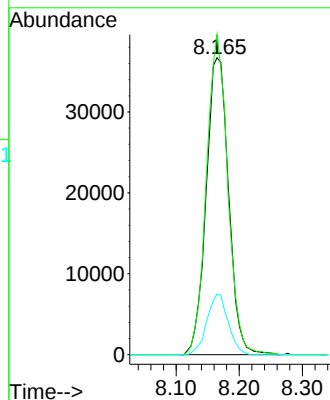
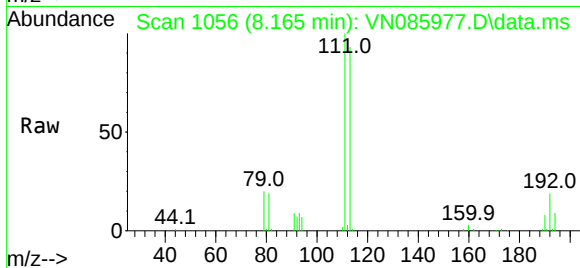
Tgt Ion:113 Resp: 90919

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 19.2 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.596 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085977.D

Acq: 13 Mar 2025 13:49

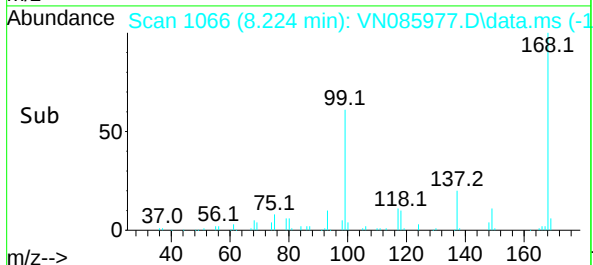
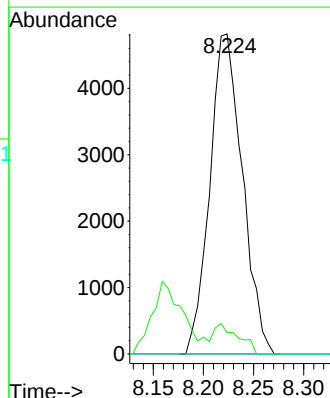
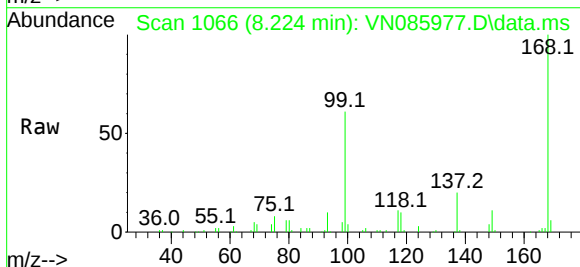
Tgt Ion: 75 Resp: 10883

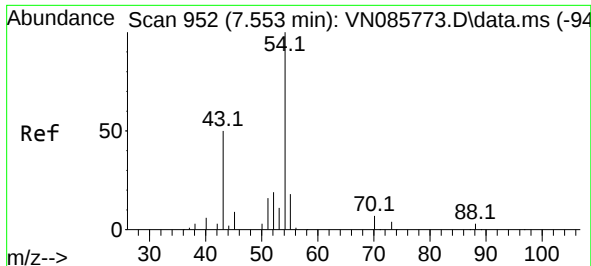
Ion Ratio Lower Upper

75 100

110 7.0 17.3 52.0#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.694 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN085977.D

Acq: 13 Mar 2025 13:49

Instrument :

MSVOA_N

ClientSampleId :

PB167104ZHE#02

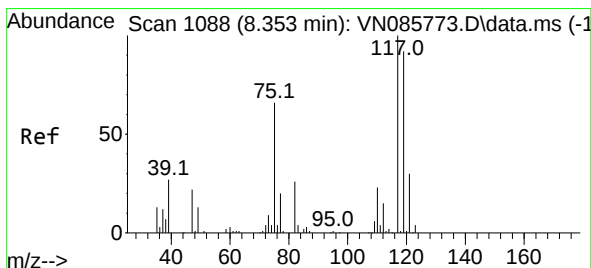
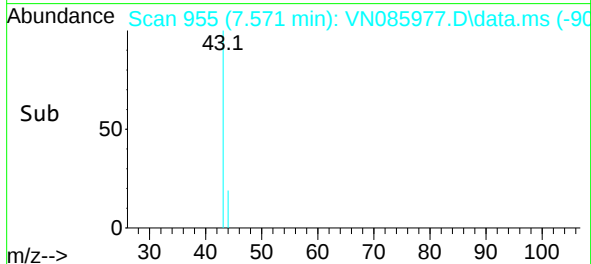
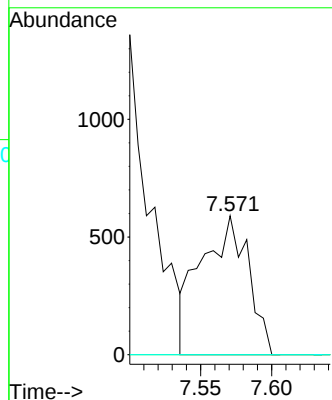
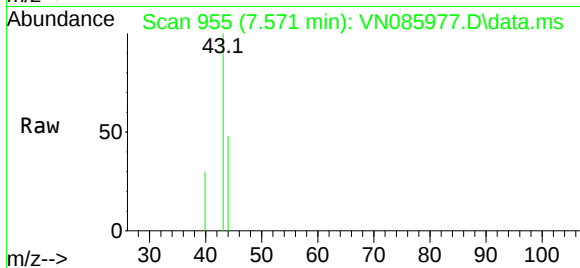
Tgt Ion: 43 Resp: 1353

Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

70 0.0 9.5 14.3#



#38

Carbon Tetrachloride

Concen: 5.254 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.130 min

Lab File: VN085977.D

Acq: 13 Mar 2025 13:49

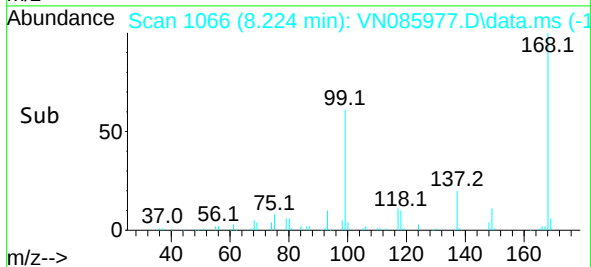
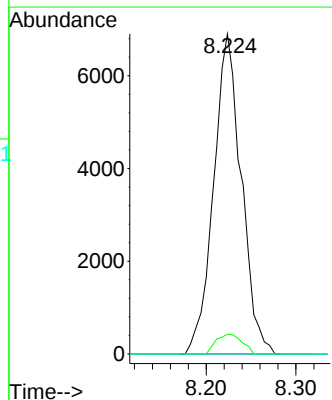
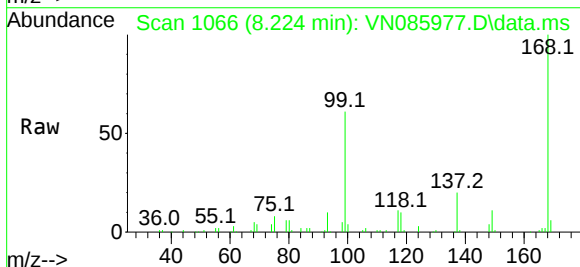
Tgt Ion: 117 Resp: 14783

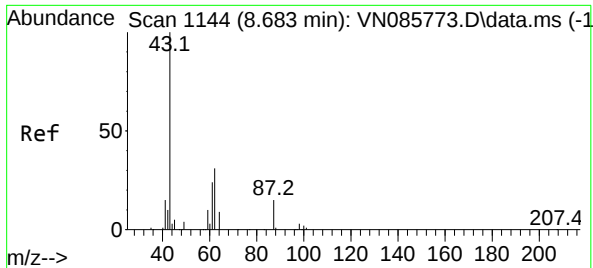
Ion Ratio Lower Upper

117 100

119 6.2 73.8 110.6#

121 0.0 24.3 36.5#

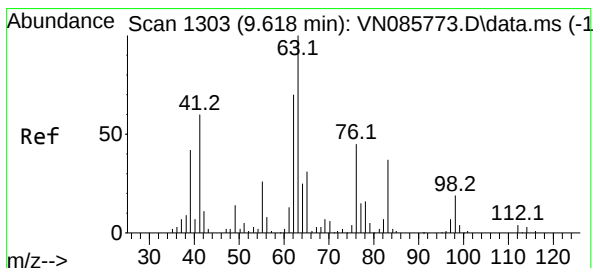
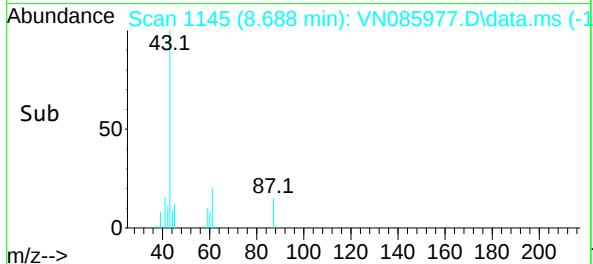
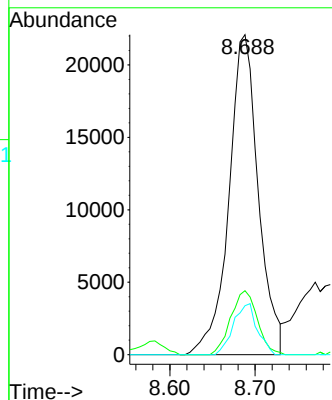
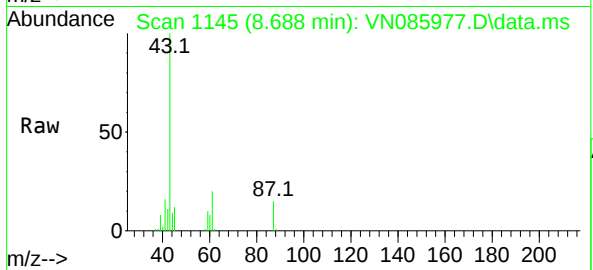




#43
Isopropyl Acetate
Concen: 15.147 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

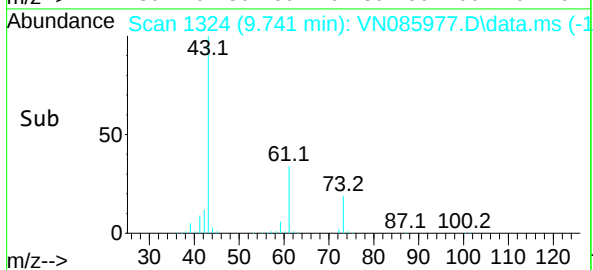
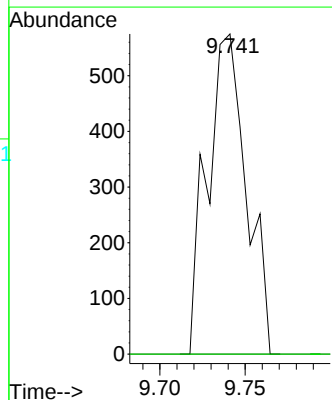
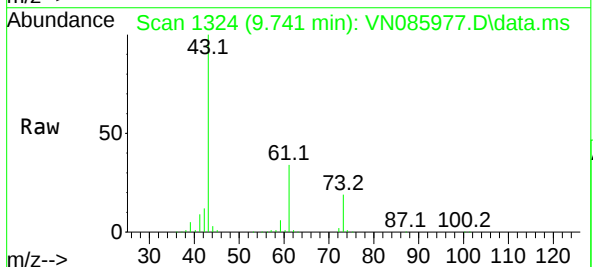
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#02

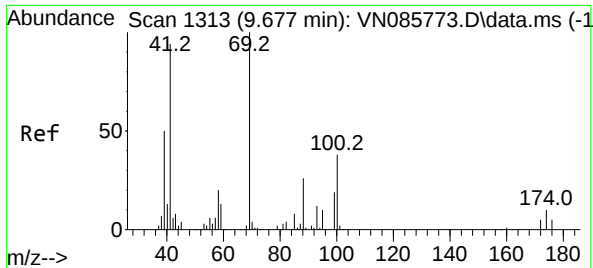
Tgt Ion: 43 Resp: 53106
Ion Ratio Lower Upper
43 100
61 18.0 22.6 34.0#
87 12.9 11.8 17.8



#45
1,2-Dichloropropane
Concen: 0.504 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Tgt Ion: 63 Resp: 923
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#

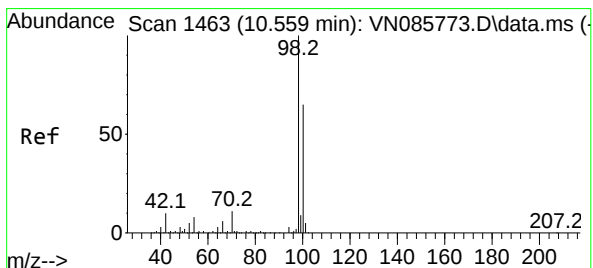
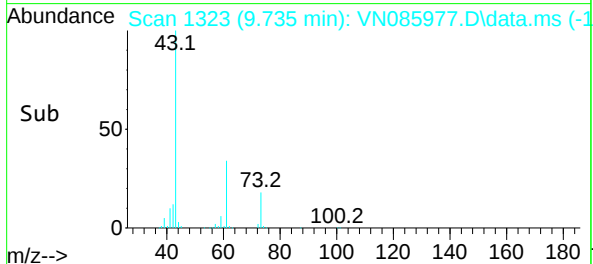
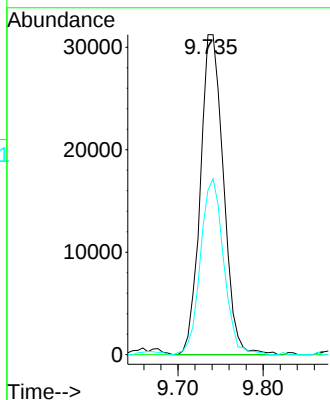
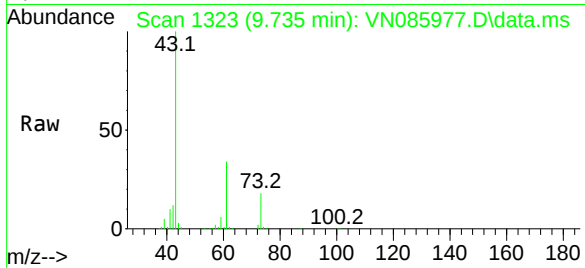




#48
Methyl methacrylate
Concen: 40.674 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

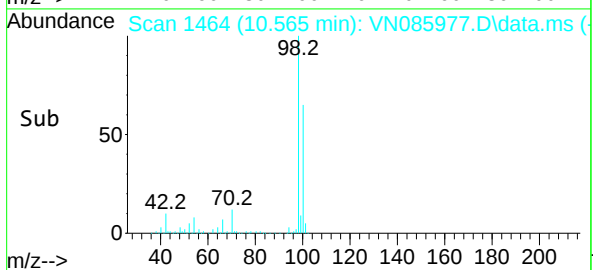
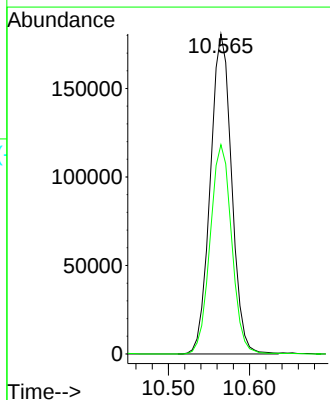
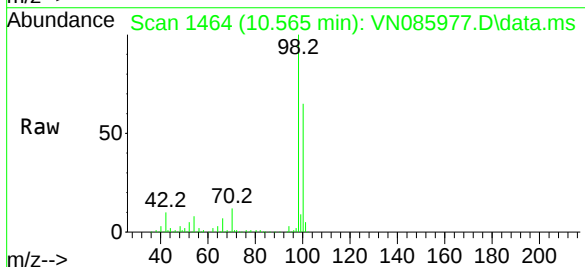
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#02

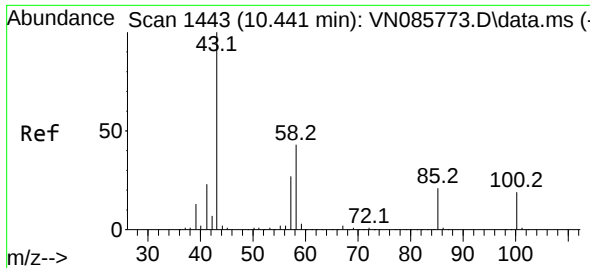
Tgt Ion: 41 Resp: 58866
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 55.2 42.3 63.5



#50
Toluene-d8
Concen: 54.227 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Tgt Ion: 98 Resp: 330111
Ion Ratio Lower Upper
98 100
100 66.1 52.1 78.1

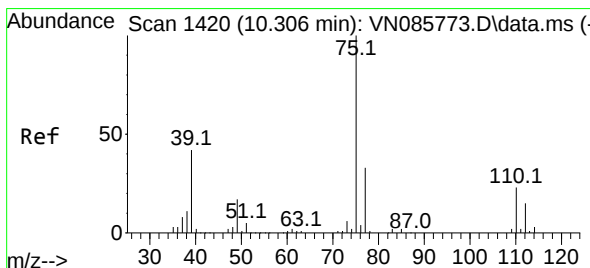
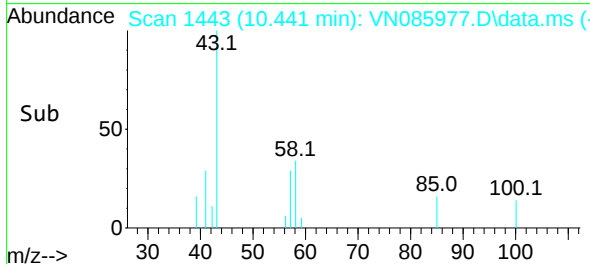
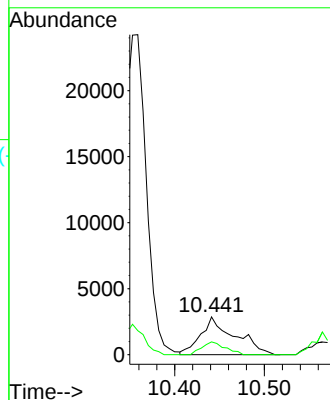
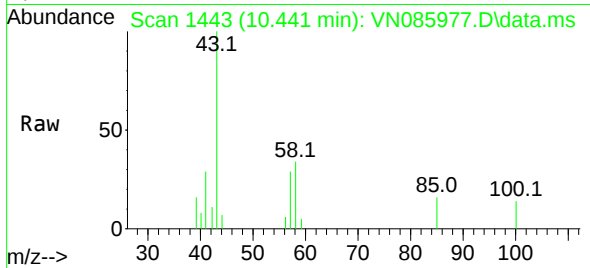




#51
4-Methyl-2-Pentanone
Concen: 3.989 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

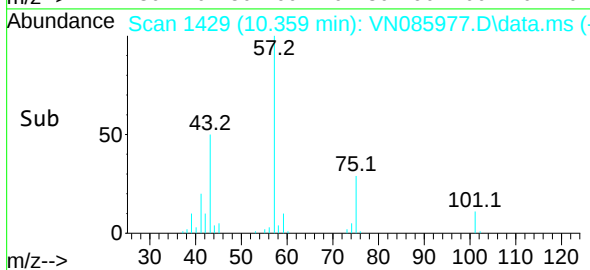
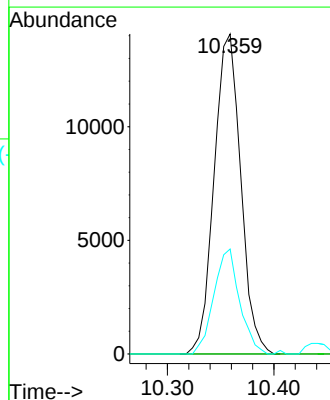
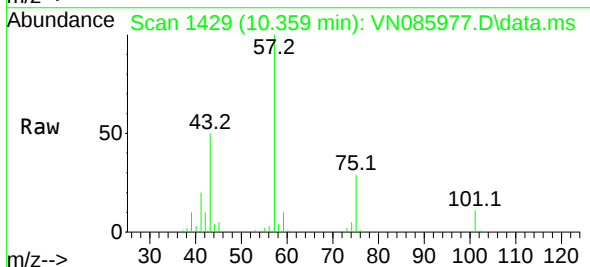
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#02

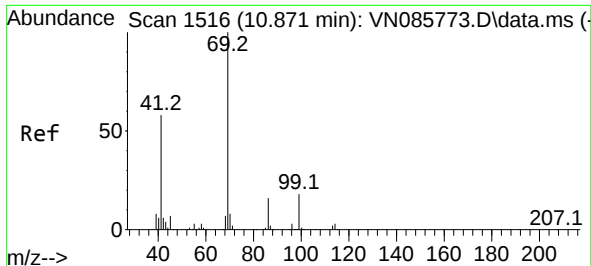
Tgt Ion: 43 Resp: 7495
Ion Ratio Lower Upper
43 100
58 23.4 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 8.694 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Tgt Ion: 75 Resp: 24372
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 32.8 33.4 50.0#

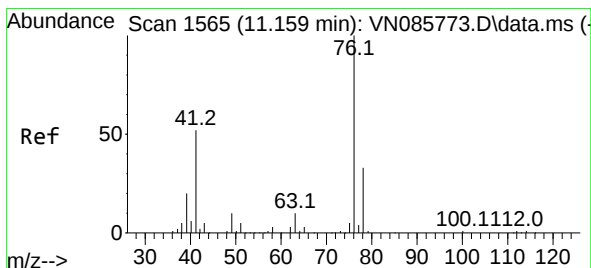
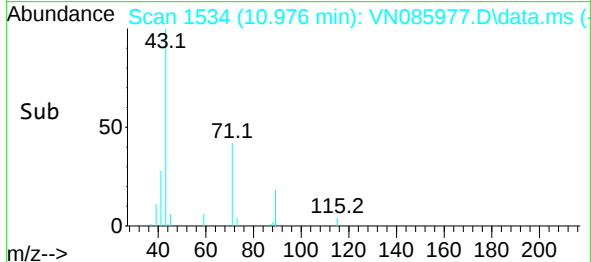
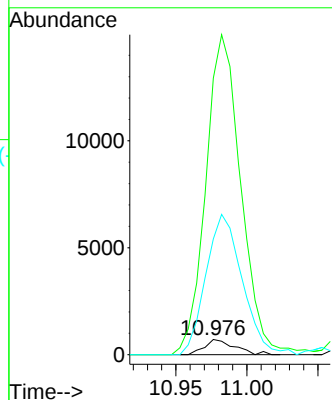
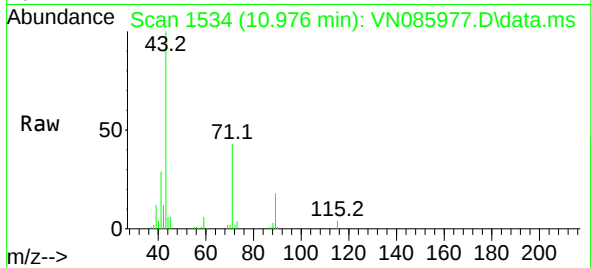




#56
Ethyl methacrylate
Concen: 0.923 ug/l
RT: 10.976 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

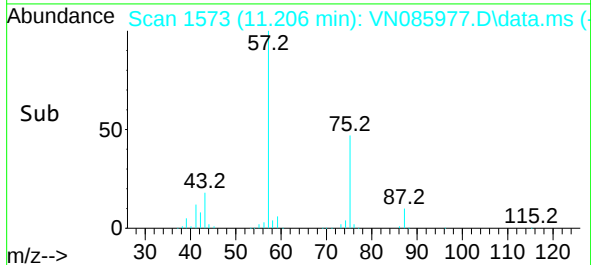
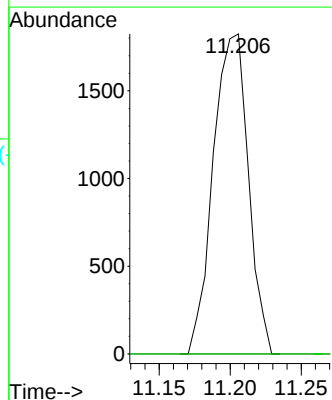
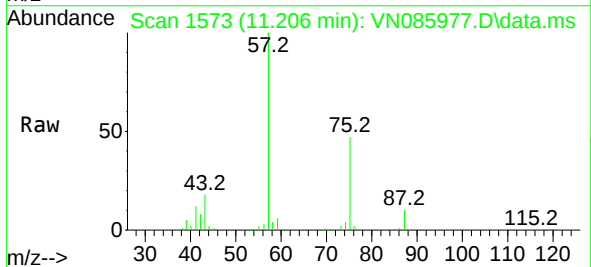
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#02

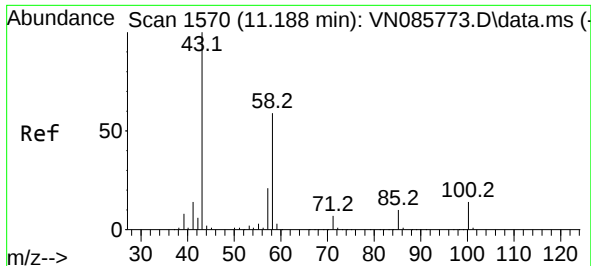
Tgt Ion: 69 Resp: 1056
Ion Ratio Lower Upper
69 100
41 2447.2 46.0 69.0#
39 1106.9 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.062 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.047 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Tgt Ion: 76 Resp: 3137
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

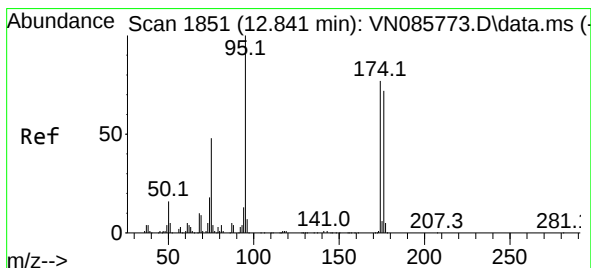
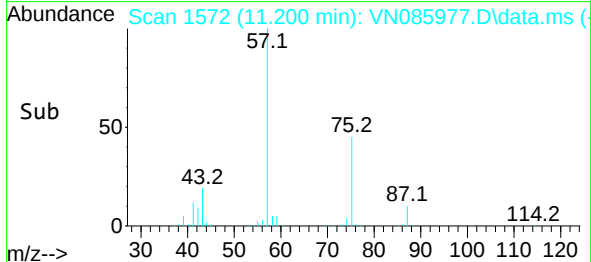
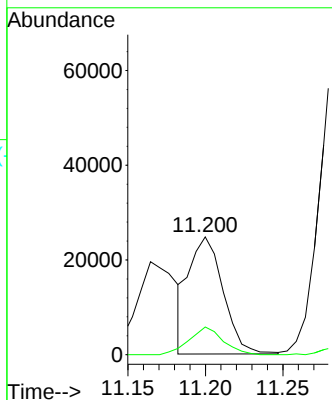
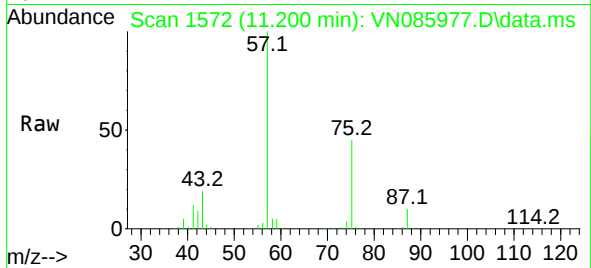




#59
2-Hexanone
Concen: 29.365 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

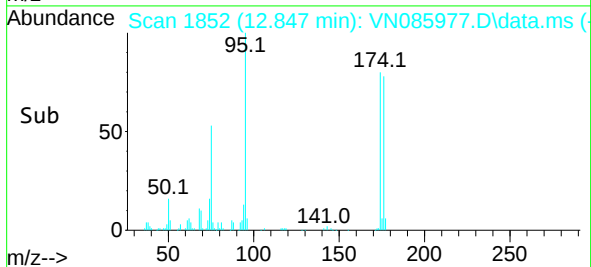
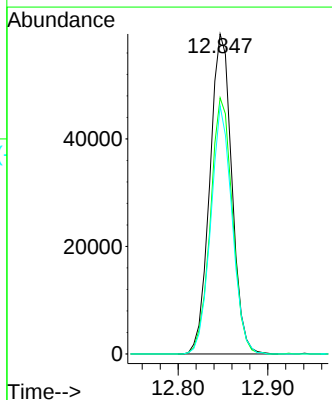
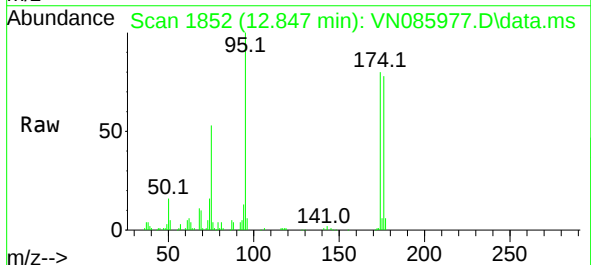
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#02

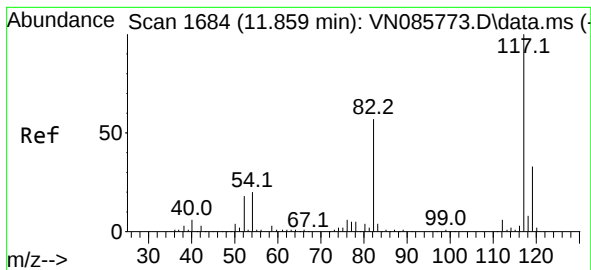
Tgt Ion: 43 Resp: 37956
Ion Ratio Lower Upper
43 100
58 23.3 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 50.561 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Tgt Ion: 95 Resp: 101410
Ion Ratio Lower Upper
95 100
174 80.0 0.0 152.4
176 75.0 0.0 146.6

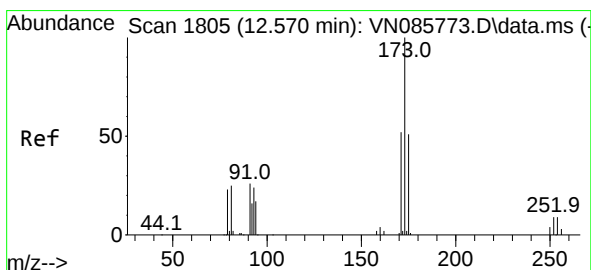
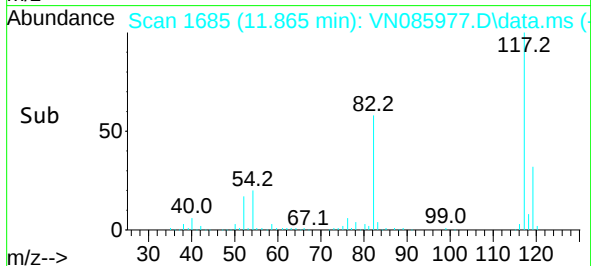
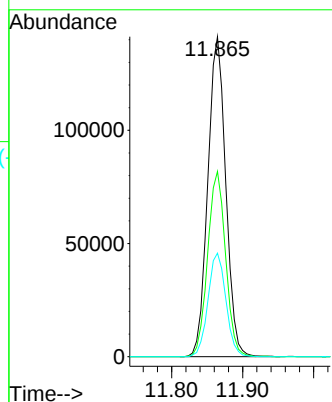
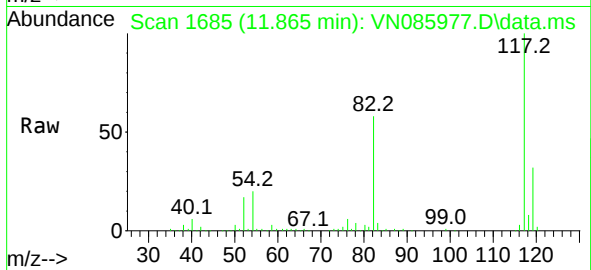




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

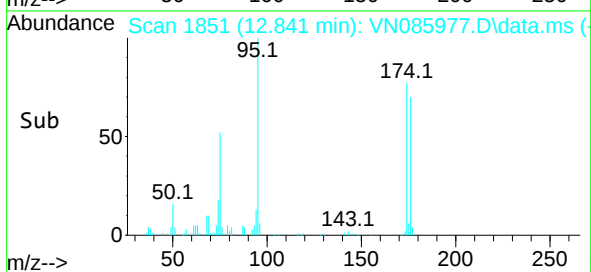
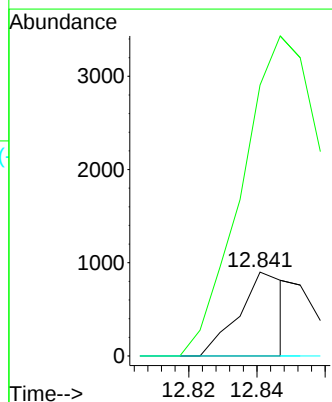
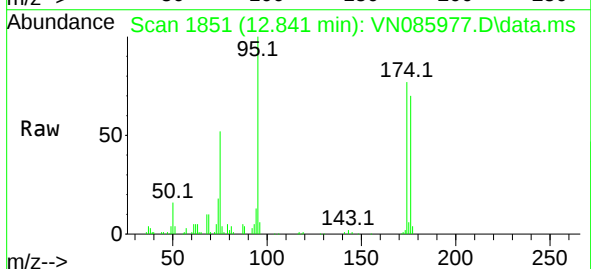
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#02

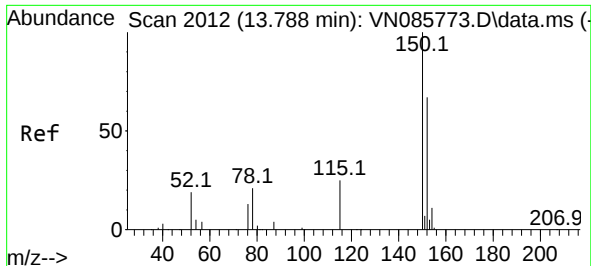
Tgt Ion:117 Resp: 248285
Ion Ratio Lower Upper
117 100
82 57.9 45.7 68.5
119 32.3 26.2 39.2



#71
Bromoform
Concen: 0.555 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.270 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Tgt Ion:173 Resp: 843
Ion Ratio Lower Upper
173 100
175 0.0 25.1 75.4#
254 0.0 0.0 0.0

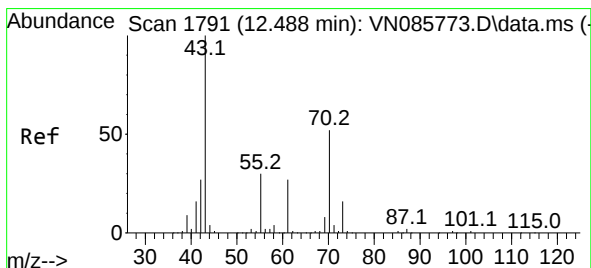
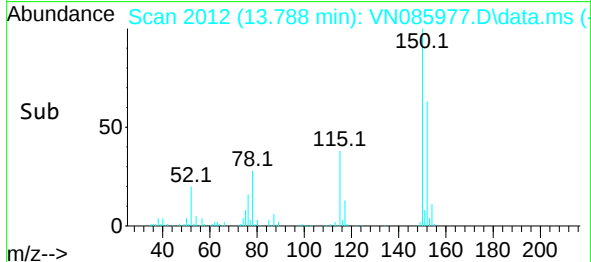
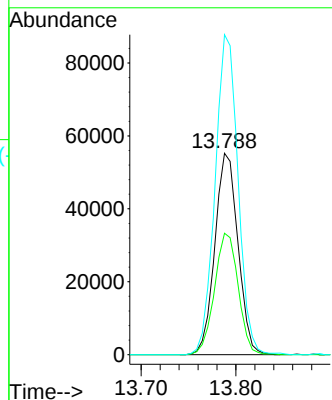
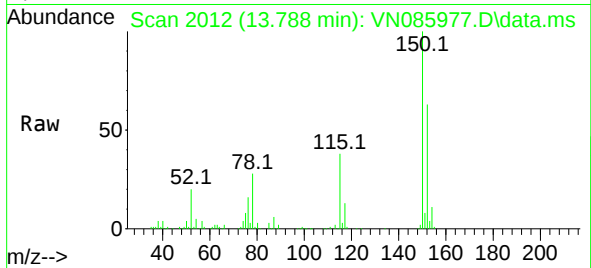




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

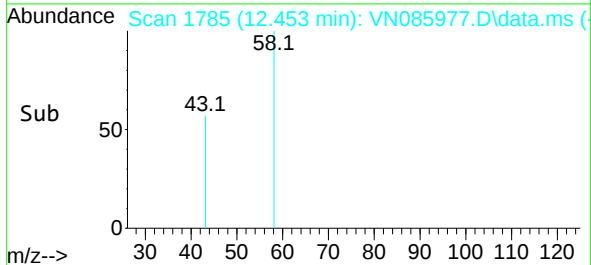
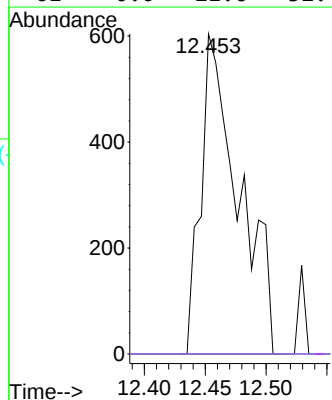
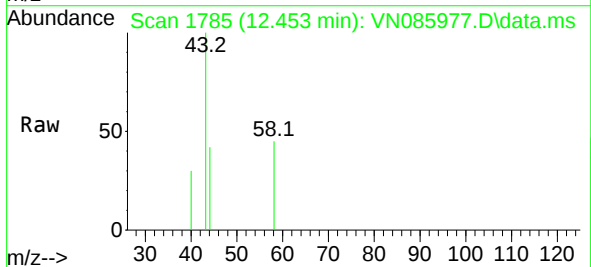
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#02

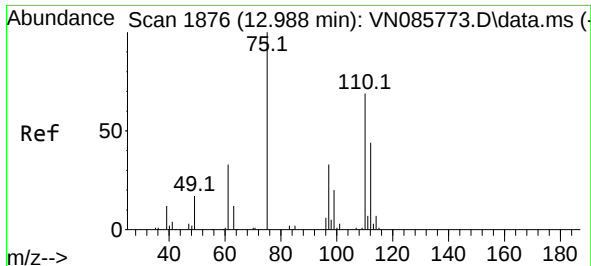
Tgt Ion:152 Resp: 93743
Ion Ratio Lower Upper
152 100
115 61.8 30.4 91.3
150 157.9 0.0 345.4



#74
N-ethyl acetate
Concen: 0.578 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.035 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.4#
55 0.0 24.6 36.8#
61 0.0 21.6 32.4#

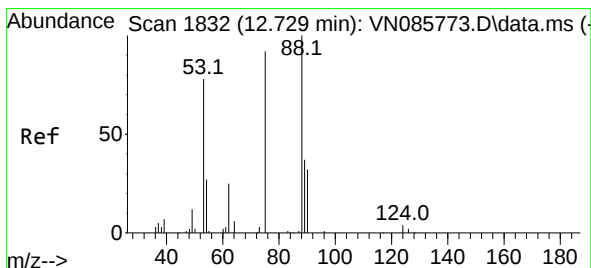
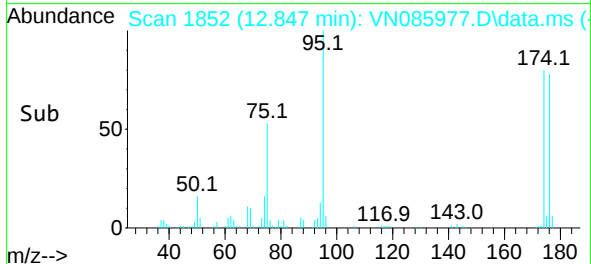
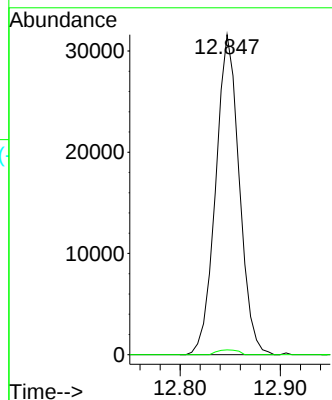
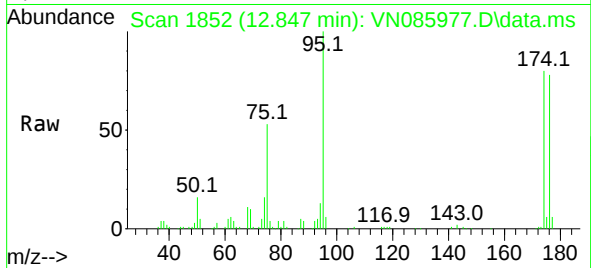




#76
1,2,3-Trichloropropane
Concen: 24.833 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#02

Tgt Ion: 75 Resp: 51710
Ion Ratio Lower Upper
75 100
77 1.3 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.455 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.117 min
Lab File: VN085977.D
Acq: 13 Mar 2025 13:49

Tgt Ion: 75 Resp: 51710
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#

