

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086047.D
 Acq On : 21 Mar 2025 18:06
 Operator : JC\MD
 Sample : PB167234ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167234ZHE#07

Quant Time: Mar 21 23:02:04 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)

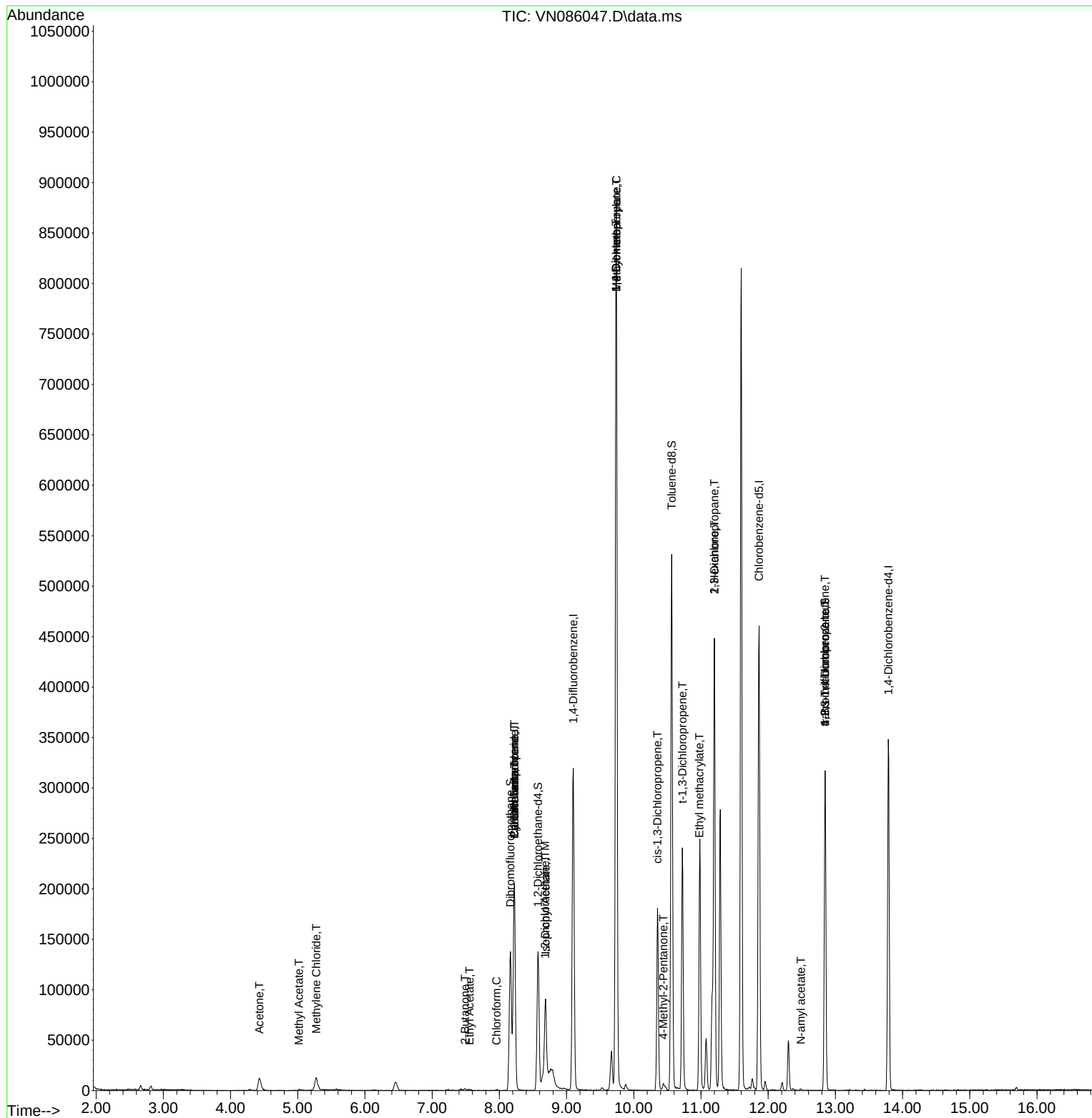
Internal Standards						
1) Pentafluorobenzene	8.224	168	148357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	272745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115650	56.928	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.860%			
35) Dibromofluoromethane	8.165	113	98199	50.465	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.920%			
50) Toluene-d8	10.565	98	366454	51.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.780%			
62) 4-Bromofluorobenzene	12.847	95	109966	43.662	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.320%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	23000	37.058	ug/l	89
18) Methyl Acetate	5.018	43	1846	1.202	ug/l #	73
20) Methylene Chloride	5.277	84	10251	5.646	ug/l	97
25) 2-Butanone	7.488	43	2969	3.315	ug/l	99
30) Chloroform	7.959	83	760	0.231	ug/l	90
31) Cyclohexane	8.224	56	2707	1.069	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11839	4.621	ug/l #	49
37) Ethyl Acetate	7.559	43	2256	1.044	ug/l #	64
38) Carbon Tetrachloride	8.224	117	16005	4.751	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	659	0.235	ug/l #	74
43) Isopropyl Acetate	8.688	43	109803	23.442	ug/l #	80
45) 1,2-Dichloropropane	9.741	63	1294	0.707	ug/l #	44
48) Methyl methacrylate	9.741	41	76508	49.497	ug/l #	33
49) 1,4-Dioxane	9.735	88	115	3.147	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	3917	1.896	ug/l	97
53) t-1,3-Dichloropropene	10.724	75	600	0.205	ug/l #	85
54) cis-1,3-Dichloropropene	10.353	75	34163	11.088	ug/l #	65
56) Ethyl methacrylate	10.977	69	1755	0.925	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4872	1.522	ug/l #	42
59) 2-Hexanone	11.200	43	53436	35.507	ug/l #	47
74) N-amyl acetate	12.488	43	492	0.216	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	55645	24.948	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55645	65.958	ug/l #	16

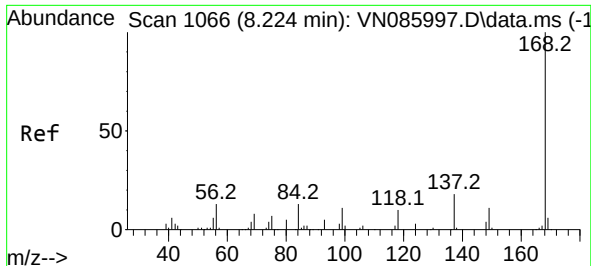
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
Data File : VN086047.D
Acq On : 21 Mar 2025 18:06
Operator : JC\MD
Sample : PB167234ZHE#07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#07

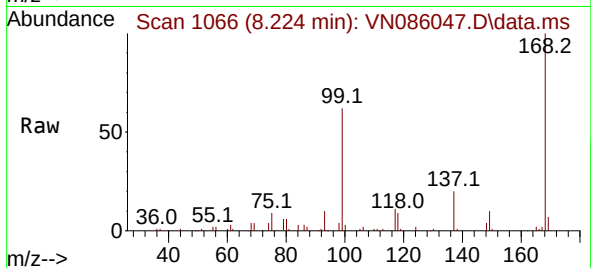
Quant Time: Mar 21 23:02:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



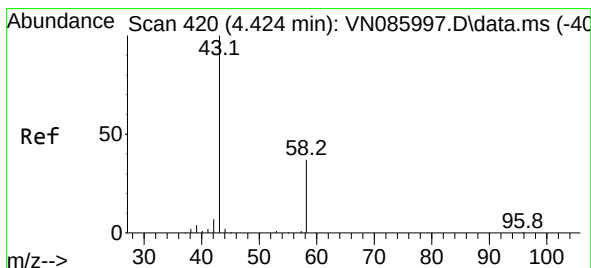
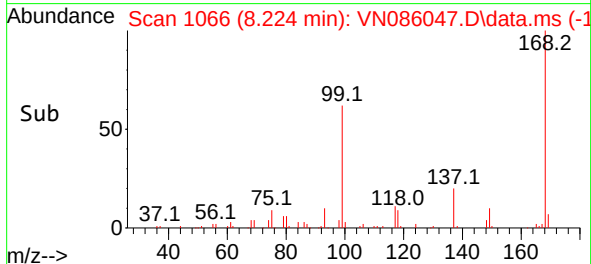
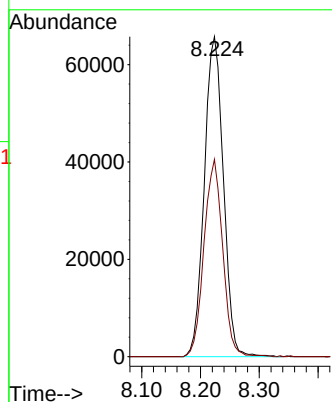


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#07

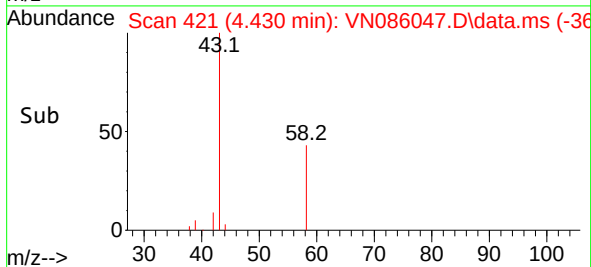
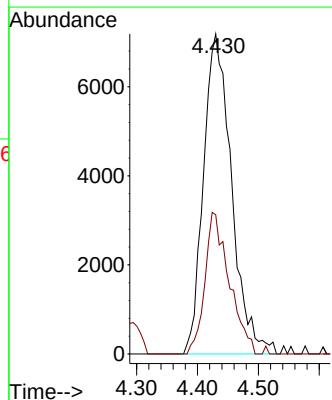
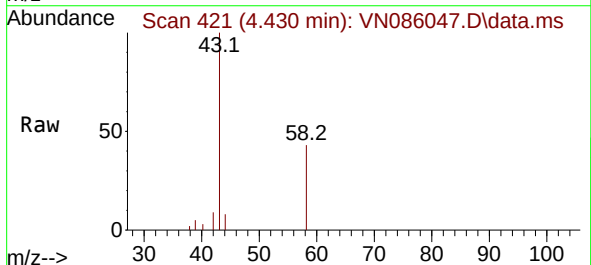


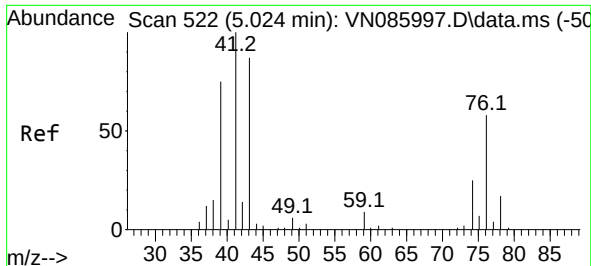
Tgt Ion:168 Resp: 148357
Ion Ratio Lower Upper
168 100
99 61.6 49.4 74.2



#16
Acetone
Concen: 37.058 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

Tgt Ion: 43 Resp: 23000
Ion Ratio Lower Upper
43 100
58 43.5 29.4 44.2

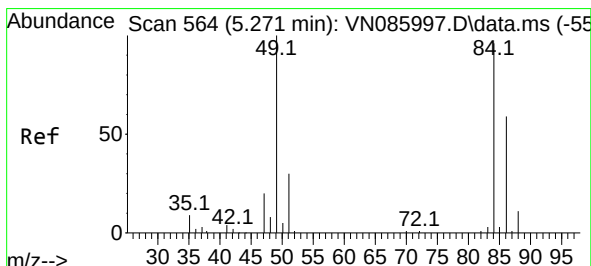
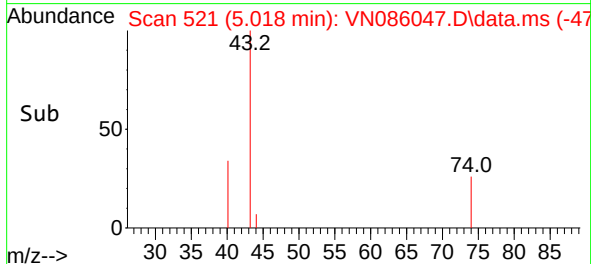
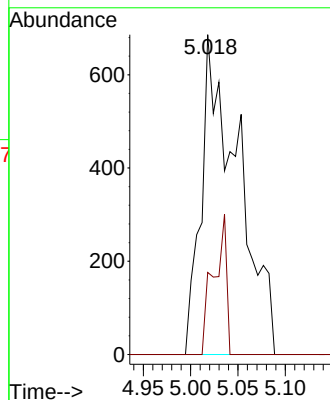
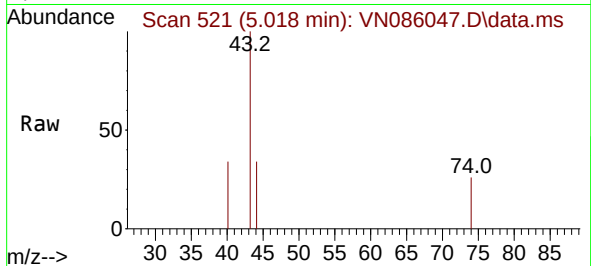




#18
Methyl Acetate
Concen: 1.202 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

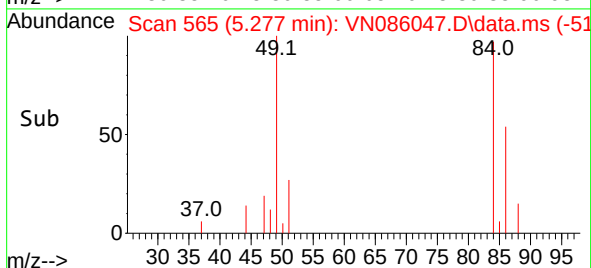
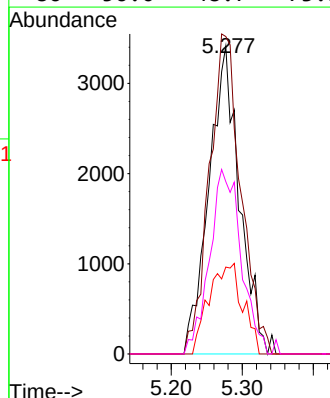
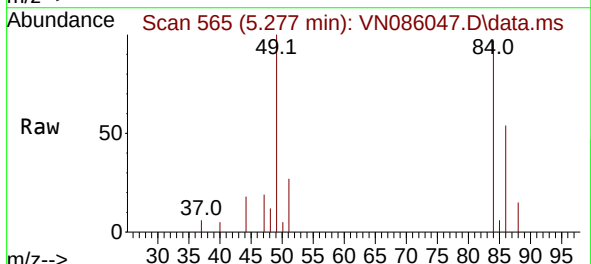
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#07

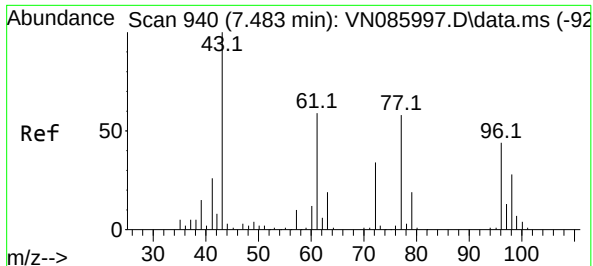
Tgt Ion: 43 Resp: 1846
Ion Ratio Lower Upper
43 100
74 15.5 23.9 35.9#



#20
Methylene Chloride
Concen: 5.646 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

Tgt Ion: 84 Resp: 10251
Ion Ratio Lower Upper
84 100
49 103.1 83.3 124.9
51 28.2 24.8 37.2
86 56.0 48.7 73.1





#25

2-Butanone

Concen: 3.315 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN086047.D

Acq: 21 Mar 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

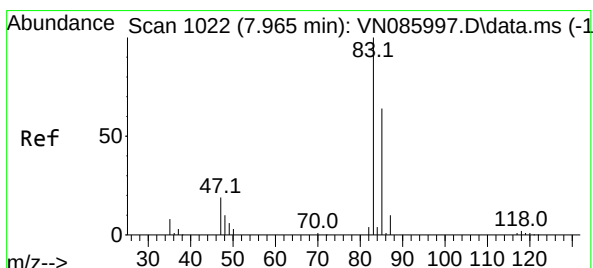
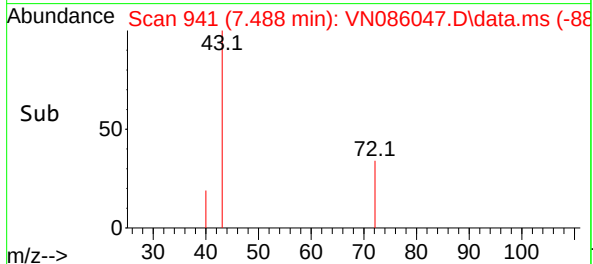
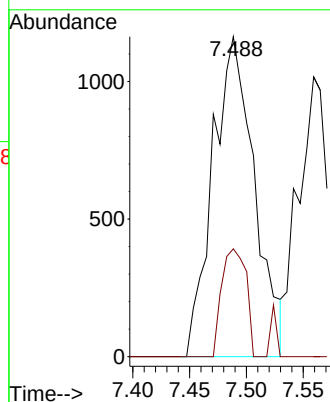
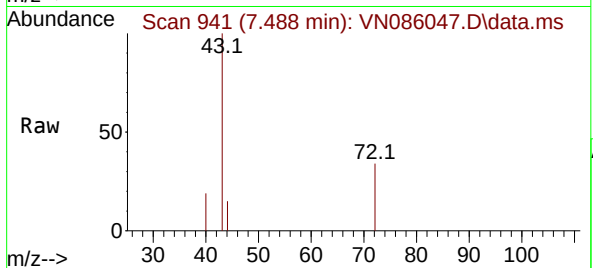
PB167234ZHE#07

Tgt Ion: 43 Resp: 2969

Ion Ratio Lower Upper

43 100

72 33.7 27.4 41.0



#30

Chloroform

Concen: 0.231 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN086047.D

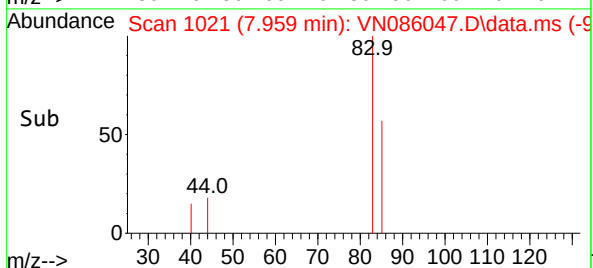
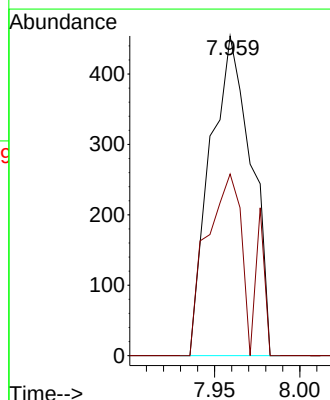
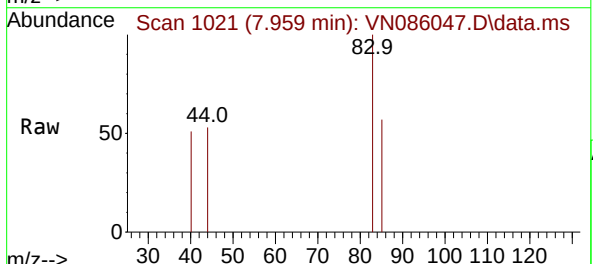
Acq: 21 Mar 2025 18:06

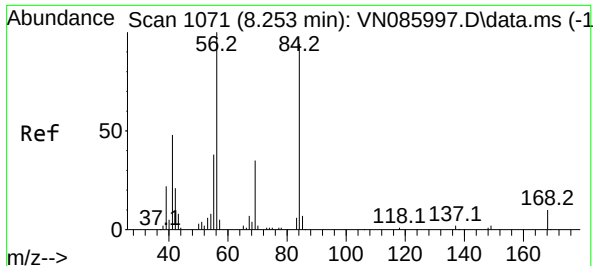
Tgt Ion: 83 Resp: 760

Ion Ratio Lower Upper

83 100

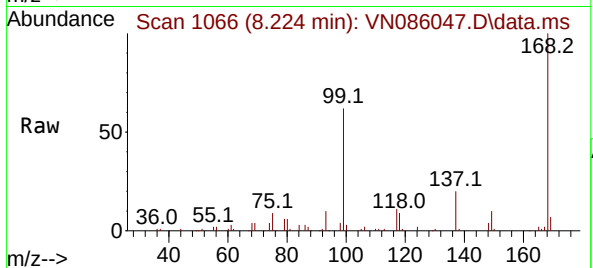
85 56.8 51.5 77.3



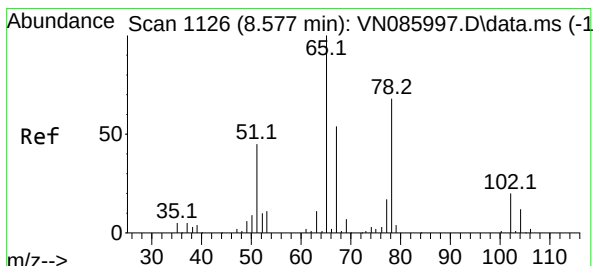
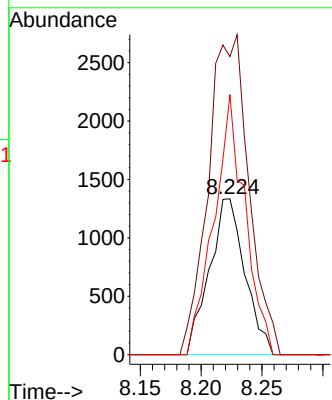
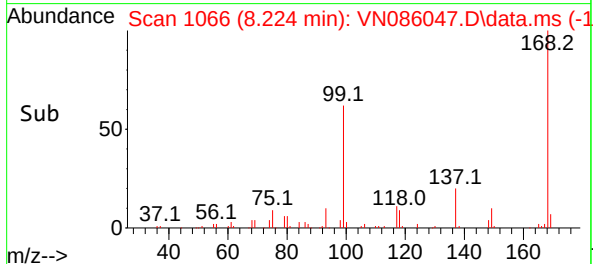


#31
Cyclohexane
Concen: 1.069 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#07

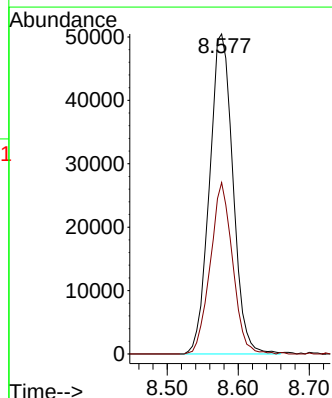
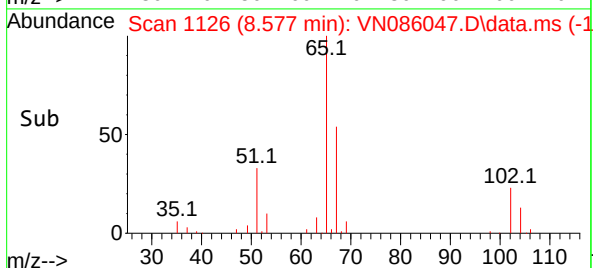
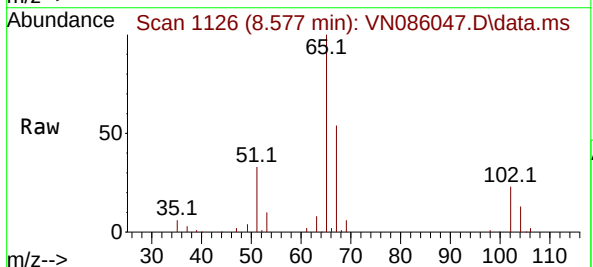


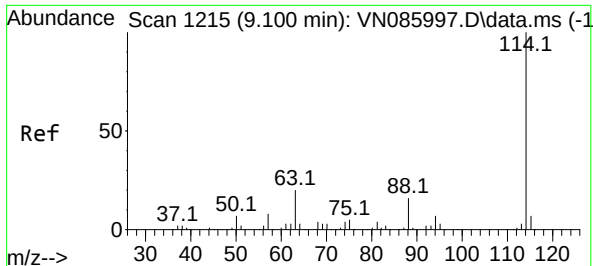
Tgt Ion: 56 Resp: 2707
Ion Ratio Lower Upper
56 100
69 191.2 28.0 42.0#
84 166.8 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 56.928 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

Tgt Ion: 65 Resp: 115650
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086047.D

Acq: 21 Mar 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

PB167234ZHE#07

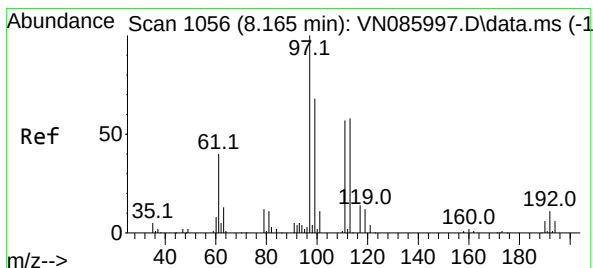
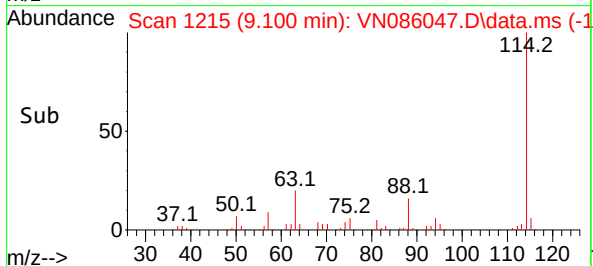
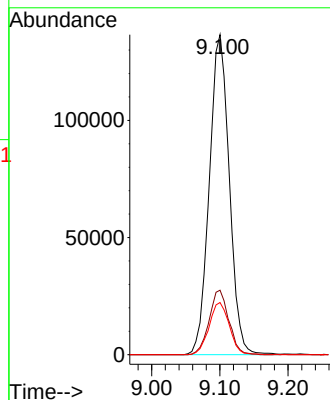
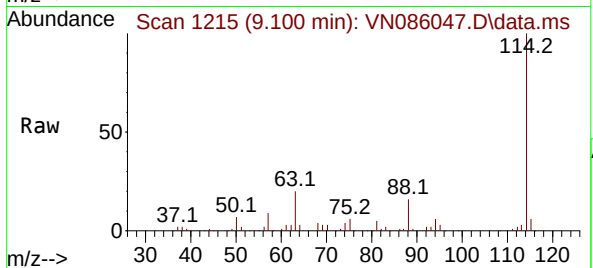
Tgt Ion:114 Resp: 278785

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.465 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086047.D

Acq: 21 Mar 2025 18:06

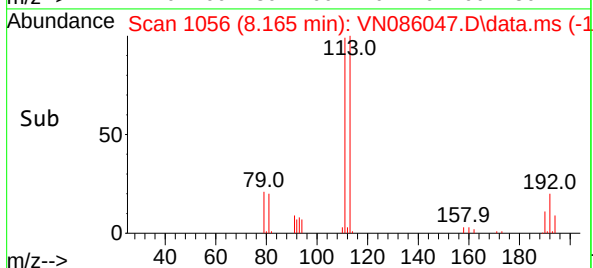
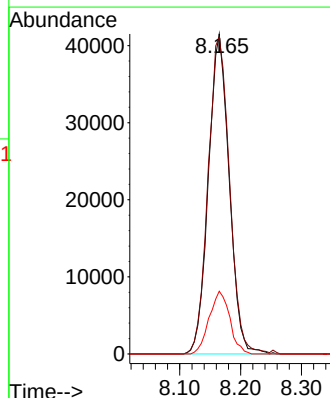
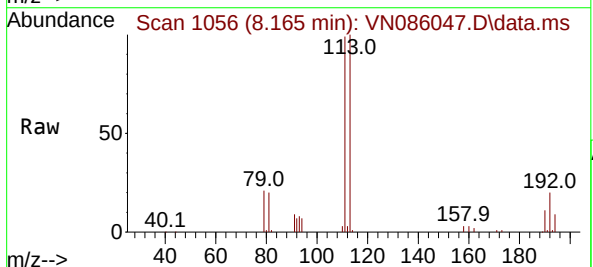
Tgt Ion:113 Resp: 98199

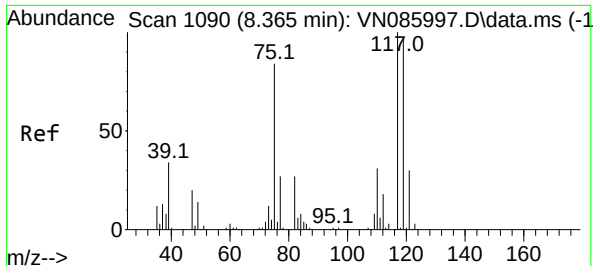
Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

192 19.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.621 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086047.D

Acq: 21 Mar 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

PB167234ZHE#07

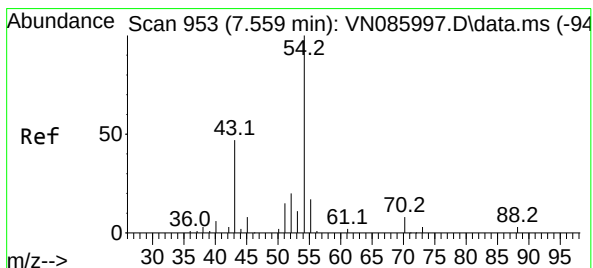
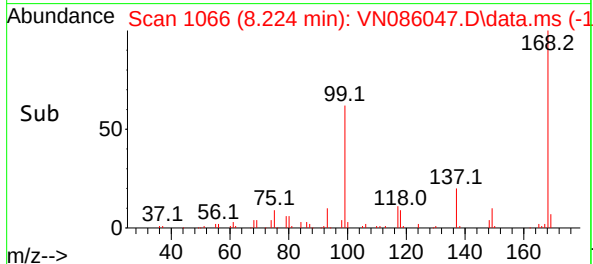
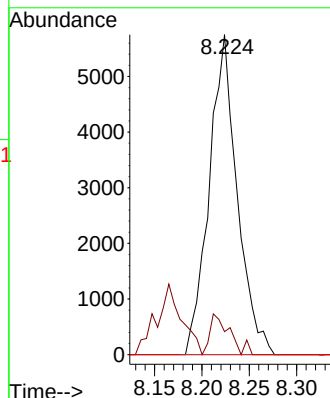
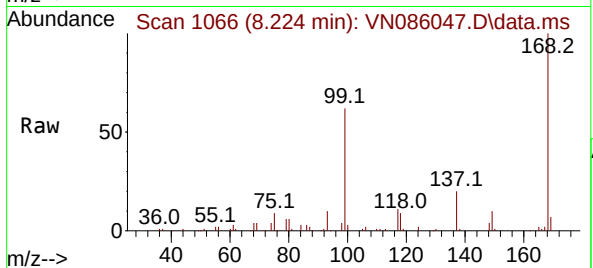
Tgt Ion: 75 Resp: 11839

Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.044 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN086047.D

Acq: 21 Mar 2025 18:06

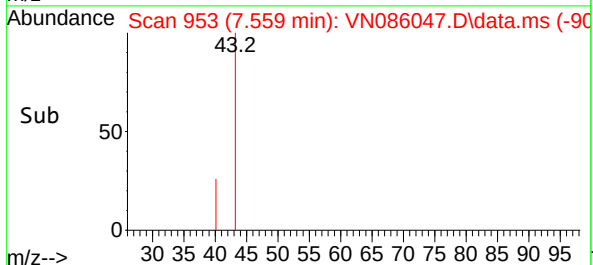
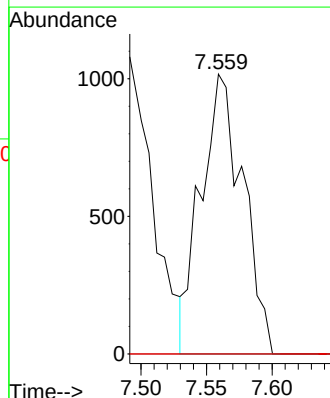
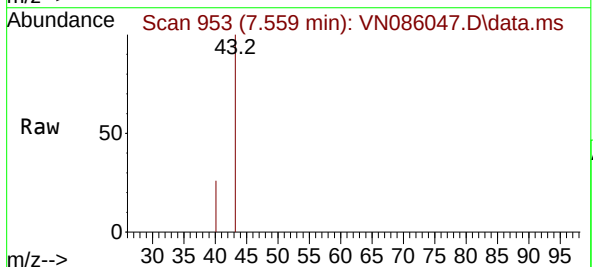
Tgt Ion: 43 Resp: 2256

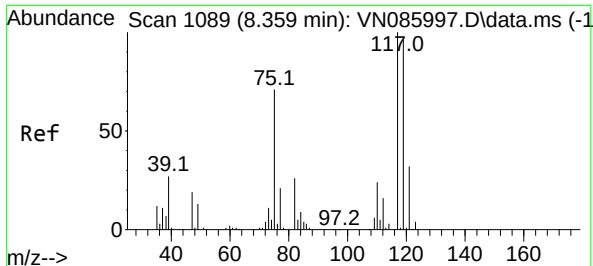
Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

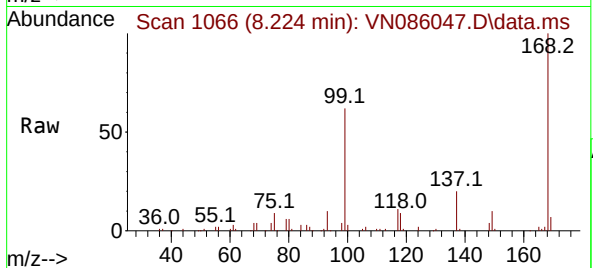
70 0.0 11.0 16.6#



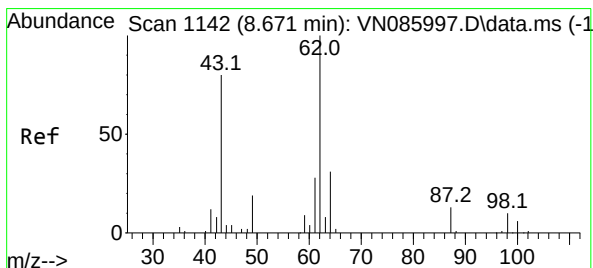
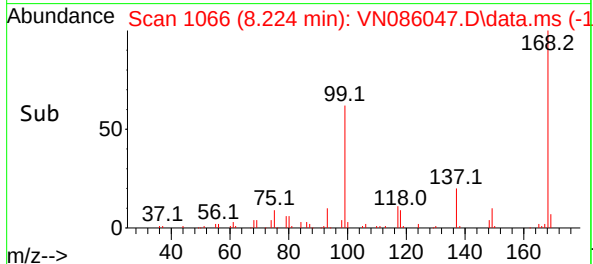
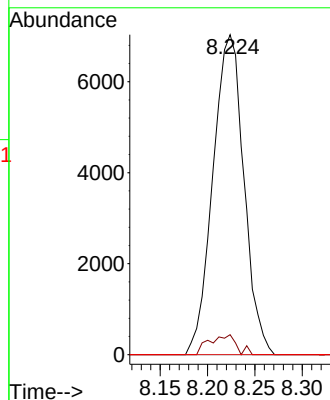


#38
Carbon Tetrachloride
Concen: 4.751 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#07

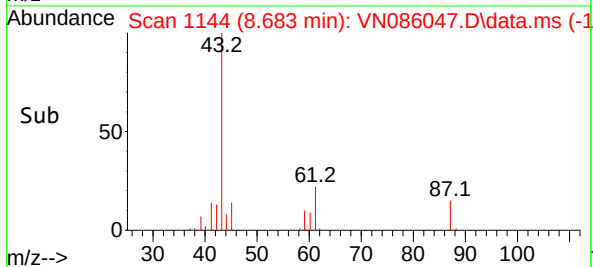
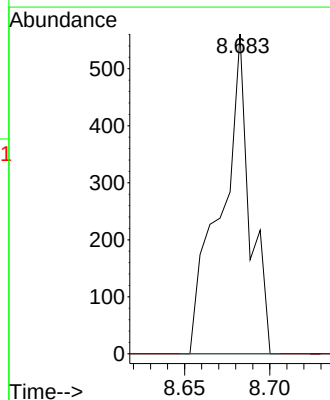
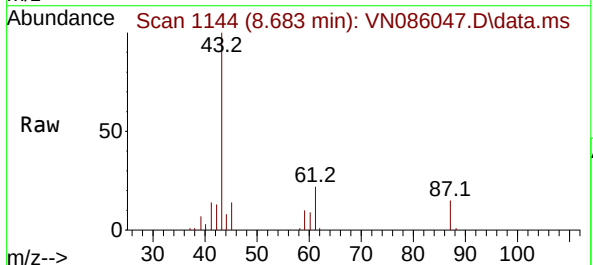


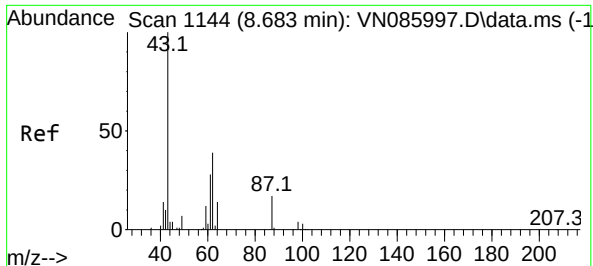
Tgt Ion:117 Resp: 16005
Ion Ratio Lower Upper
117 100
119 6.2 77.0 115.4#
121 0.0 25.6 38.4#



#42
1,2-Dichloroethane
Concen: 0.235 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

Tgt Ion: 62 Resp: 659
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.6





#43

Isopropyl Acetate

Concen: 23.442 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN086047.D

Acq: 21 Mar 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

PB167234ZHE#07

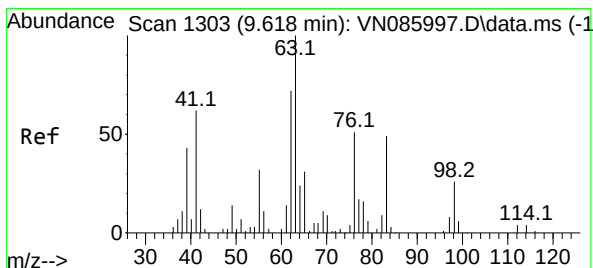
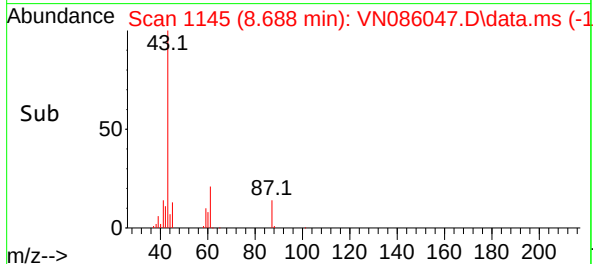
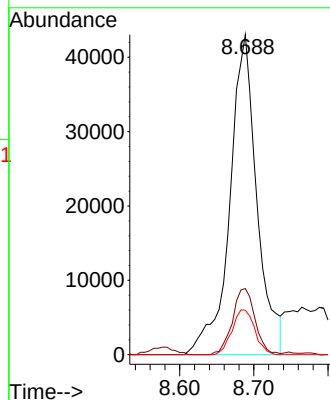
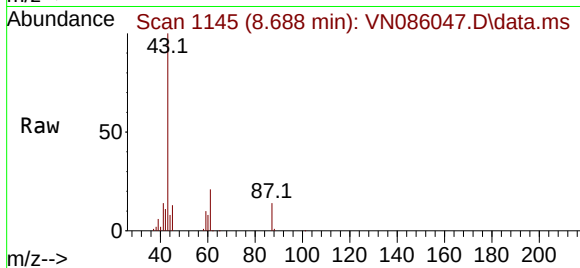
Tgt Ion: 43 Resp: 109803

Ion Ratio Lower Upper

43 100

61 17.2 25.0 37.6#

87 11.7 13.0 19.4#



#45

1,2-Dichloropropane

Concen: 0.707 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN086047.D

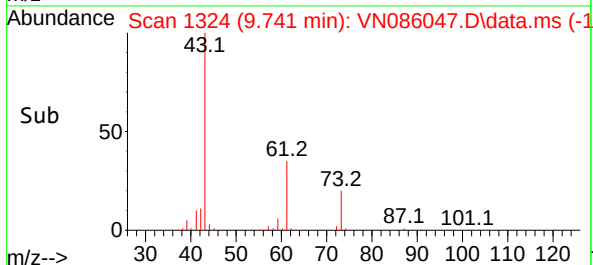
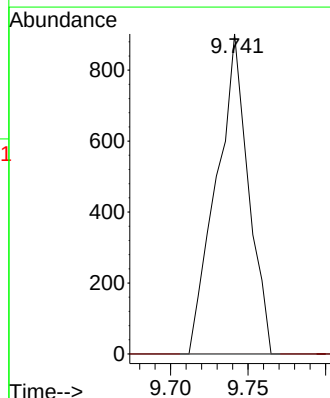
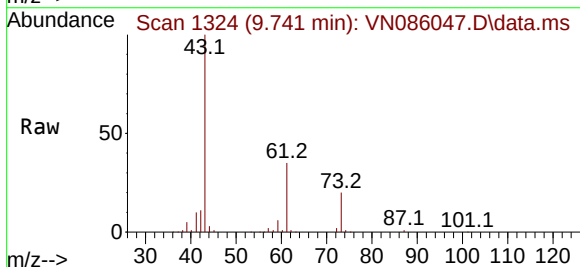
Acq: 21 Mar 2025 18:06

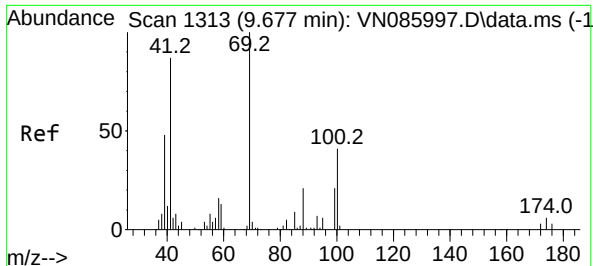
Tgt Ion: 63 Resp: 1294

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 49.497 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.065 min

Lab File: VN086047.D

Acq: 21 Mar 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

PB167234ZHE#07

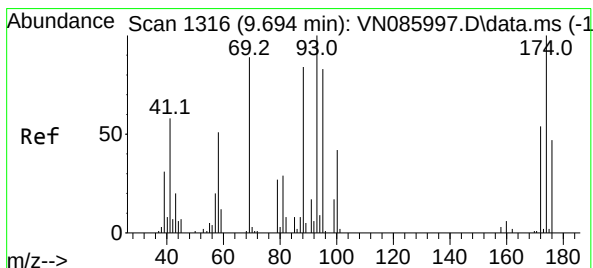
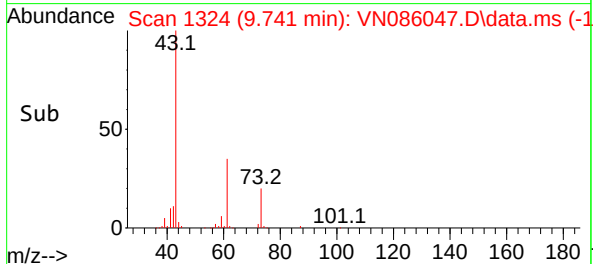
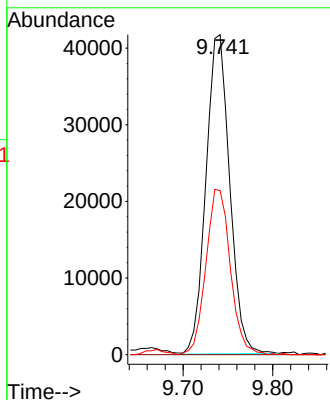
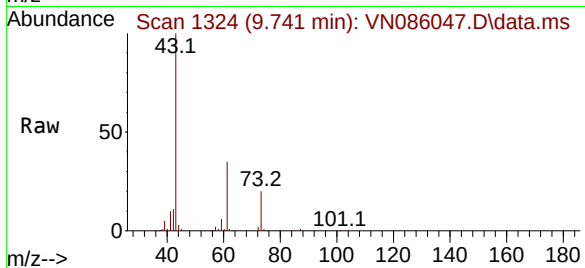
Tgt Ion: 41 Resp: 76508

Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 53.5 45.6 68.4



#49

1,4-Dioxane

Concen: 3.147 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.041 min

Lab File: VN086047.D

Acq: 21 Mar 2025 18:06

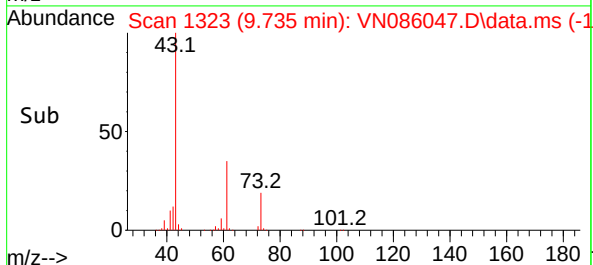
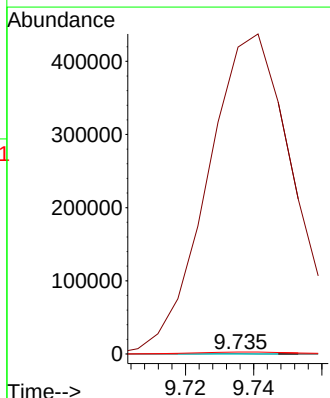
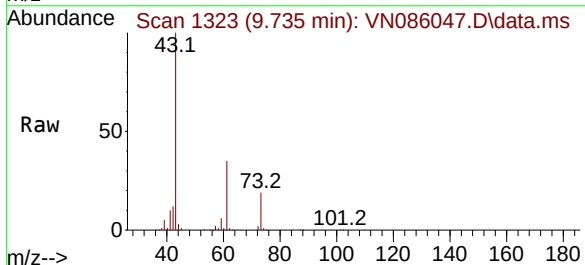
Tgt Ion: 88 Resp: 115

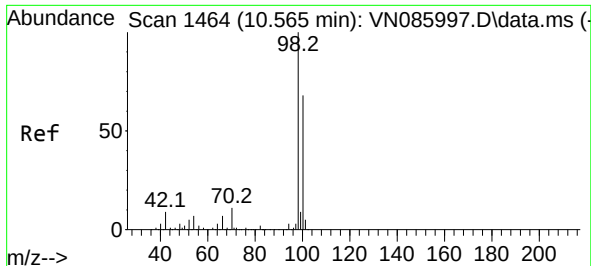
Ion Ratio Lower Upper

88 100

43 676662.6 21.7 32.5#

58 4731.3 50.4 75.6#

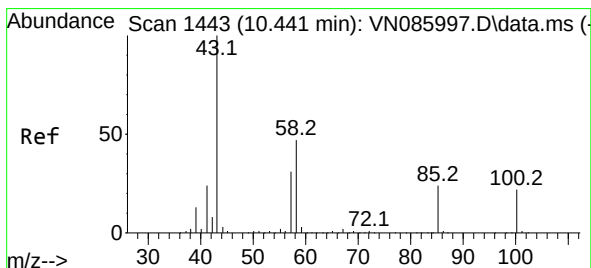
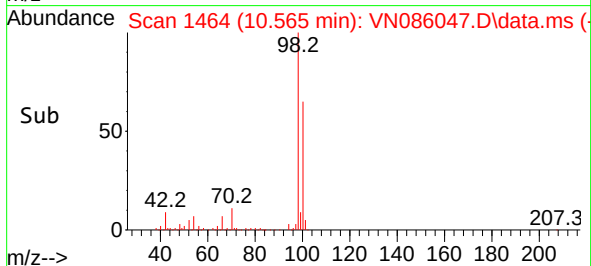
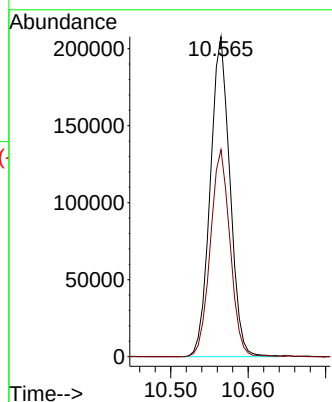
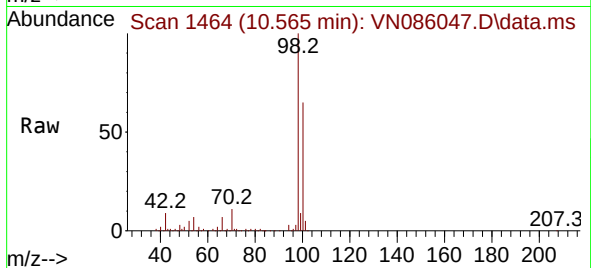




#50
Toluene-d8
Concen: 51.889 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

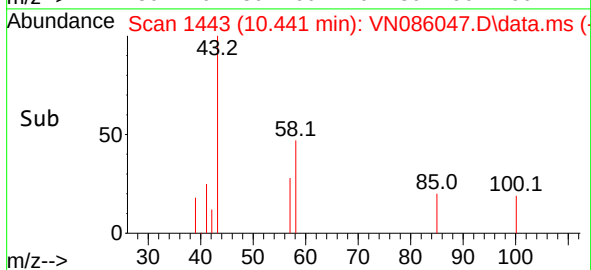
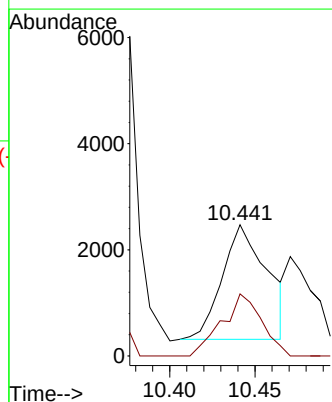
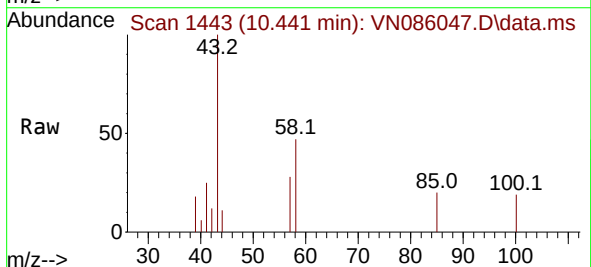
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#07

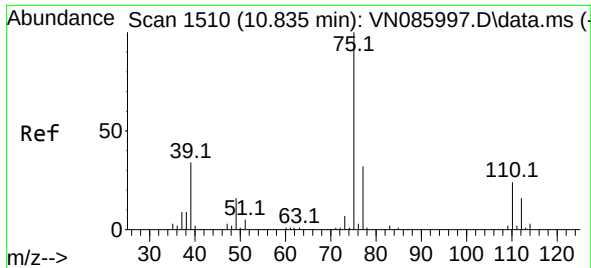
Tgt Ion: 98 Resp: 366454
Ion Ratio Lower Upper
98 100
100 64.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.896 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

Tgt Ion: 43 Resp: 3917
Ion Ratio Lower Upper
43 100
58 48.4 37.4 56.0

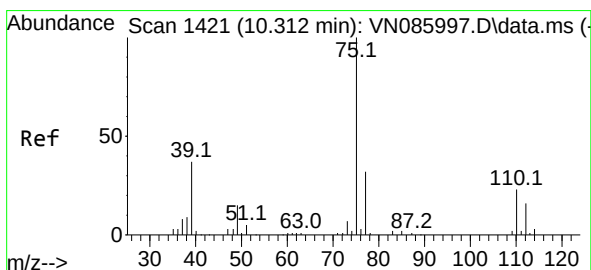
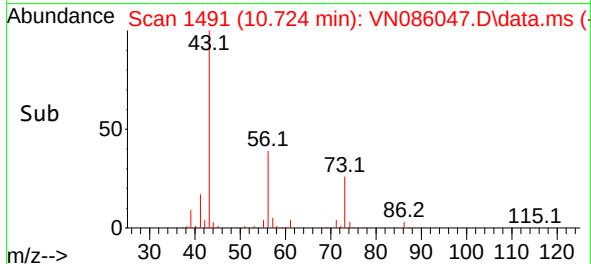
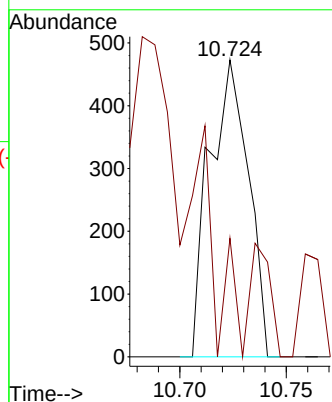
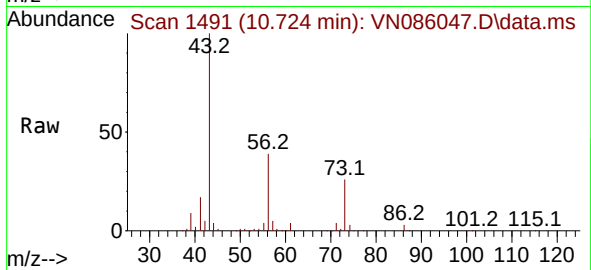




#53
t-1,3-Dichloropropene
Concen: 0.205 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

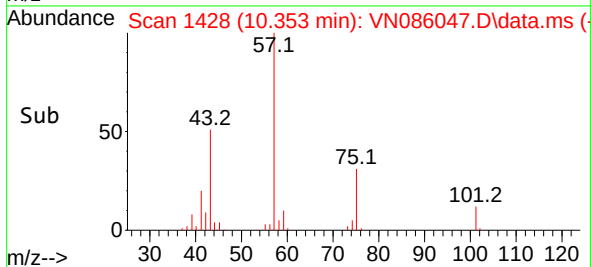
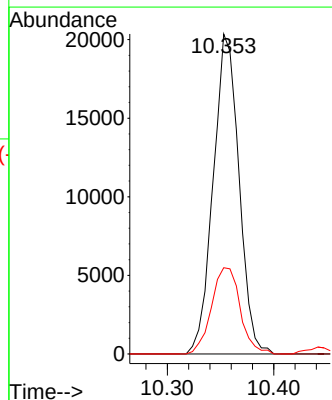
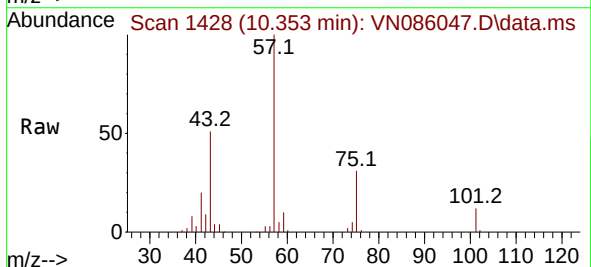
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#07

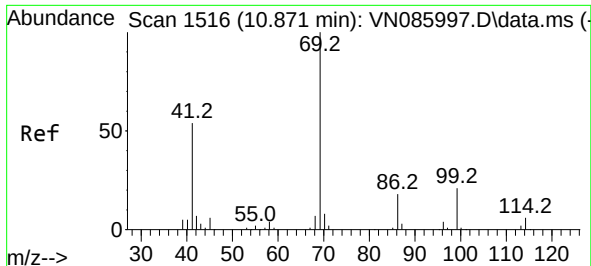
Tgt Ion: 75 Resp: 600
Ion Ratio Lower Upper
75 100
77 40.0 25.3 37.9#



#54
cis-1,3-Dichloropropene
Concen: 11.088 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

Tgt Ion: 75 Resp: 34163
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 26.9 29.6 44.4#

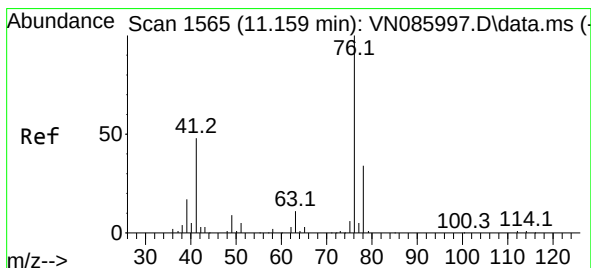
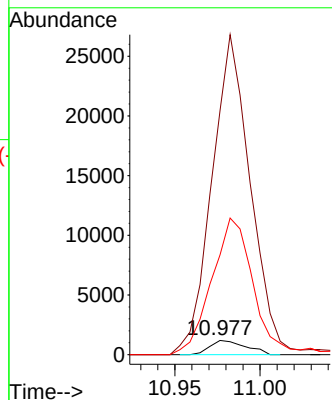
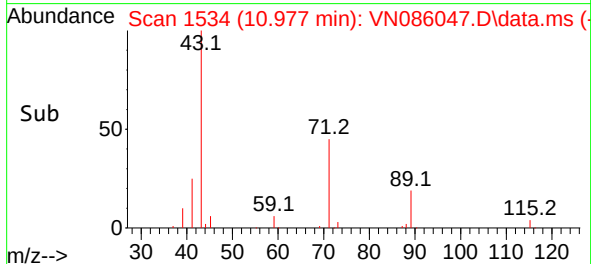
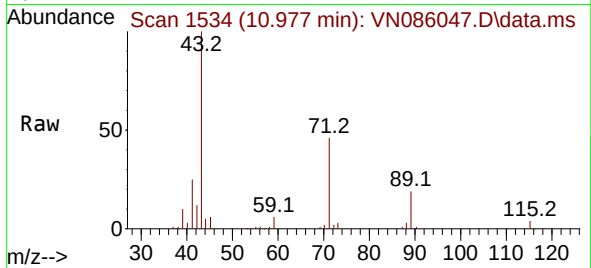




#56
Ethyl methacrylate
Concen: 0.925 ug/l
RT: 10.977 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

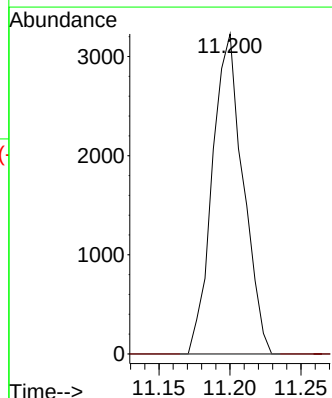
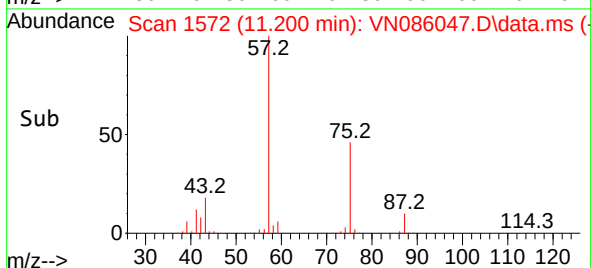
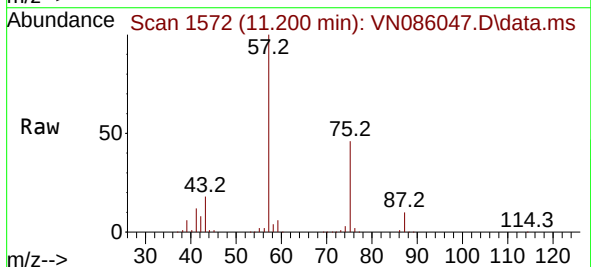
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#07

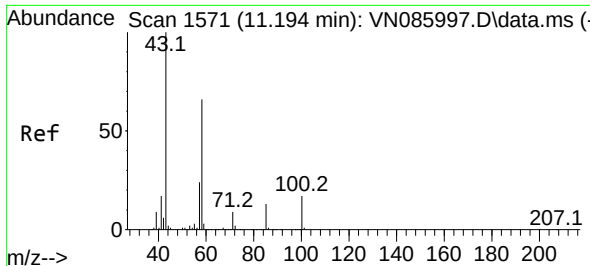
Tgt Ion: 69 Resp: 1755
Ion Ratio Lower Upper
69 100
41 2425.4 41.6 62.4#
39 1118.1 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 1.522 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

Tgt Ion: 76 Resp: 4872
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

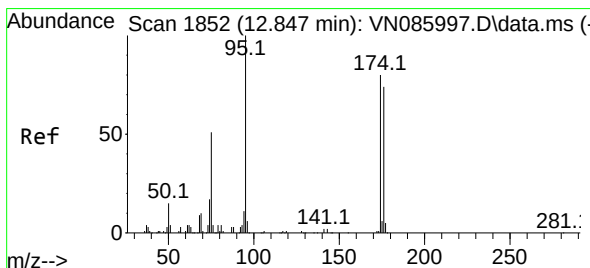
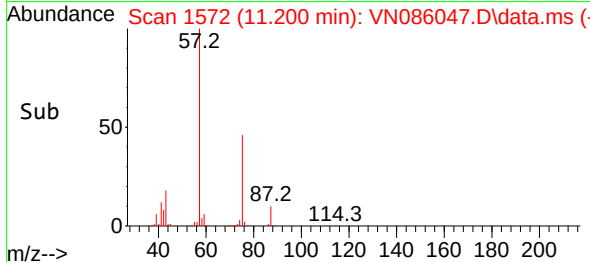
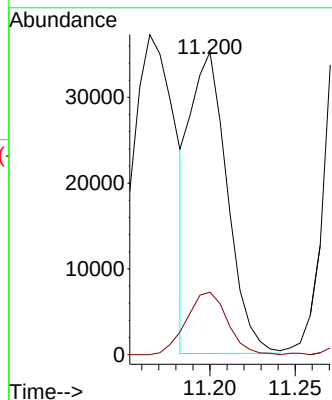
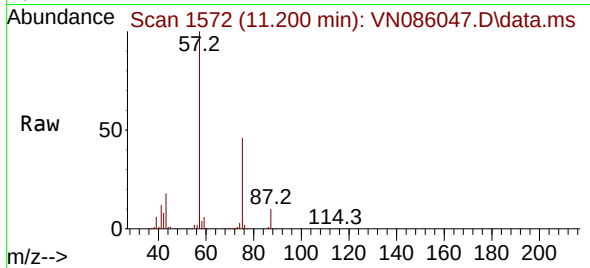




#59
2-Hexanone
Concen: 35.507 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

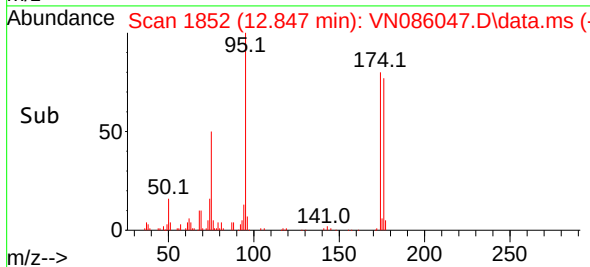
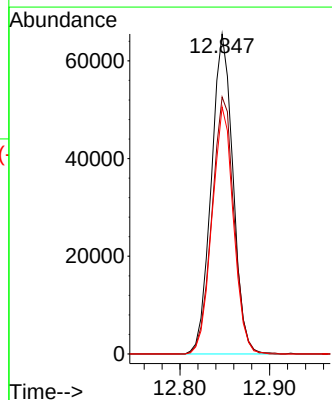
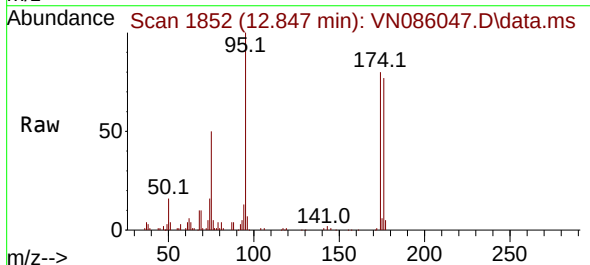
Instrument :
MSVOA_N
ClientSampleId :
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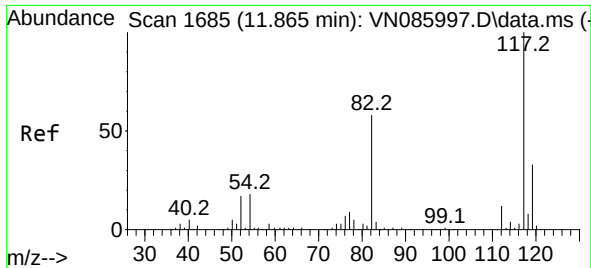
Tgt Ion: 43 Resp: 53436
Ion Ratio Lower Upper
43 100
58 22.9 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 43.662 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

Tgt Ion: 95 Resp: 109966
Ion Ratio Lower Upper
95 100
174 82.1 0.0 156.8
176 76.4 0.0 152.2

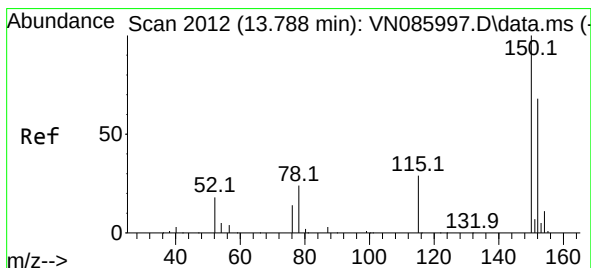
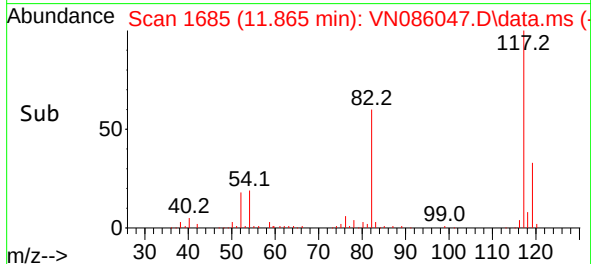
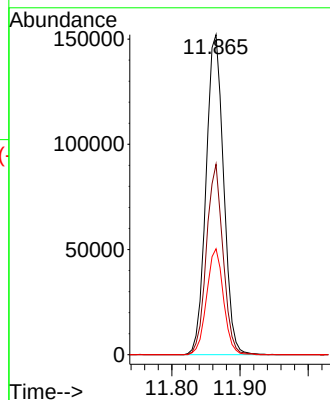
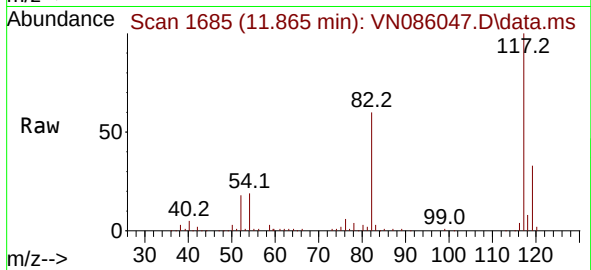




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

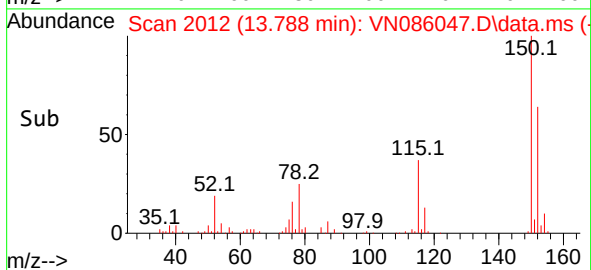
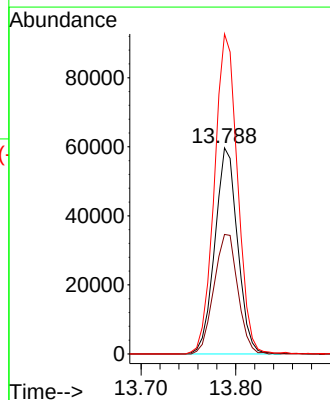
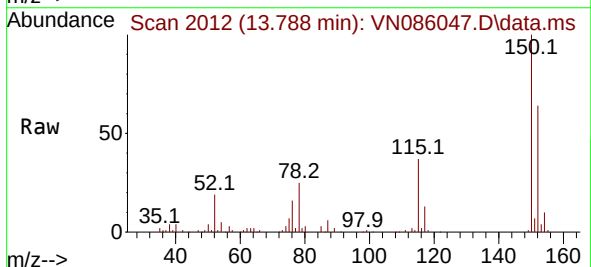
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#07

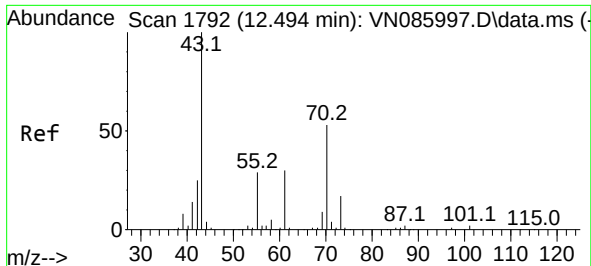
Tgt Ion:117 Resp: 272745
Ion Ratio Lower Upper
117 100
82 59.5 46.7 70.1
119 33.1 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

Tgt Ion:152 Resp: 99627
Ion Ratio Lower Upper
152 100
115 61.1 31.1 93.2
150 158.3 0.0 359.6

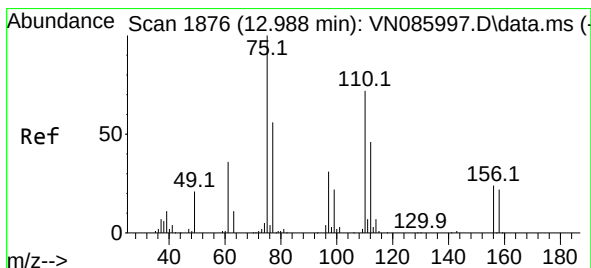
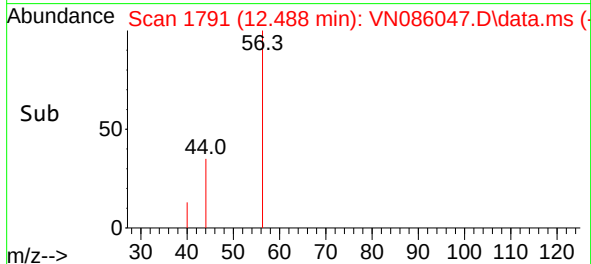
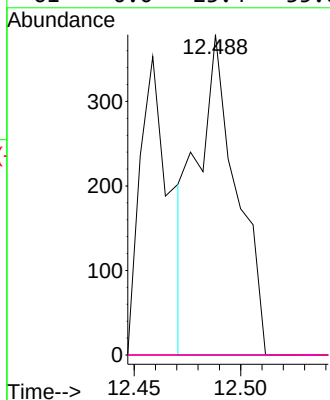
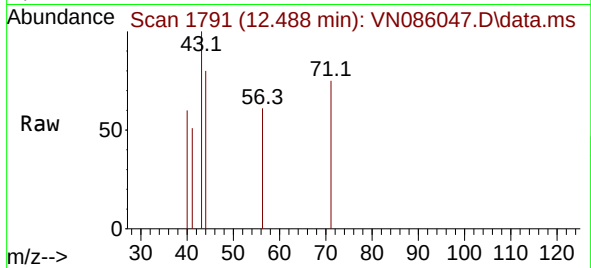




#74
N-amy1 acetate
Concen: 0.216 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

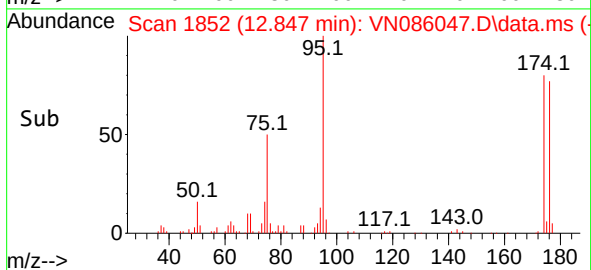
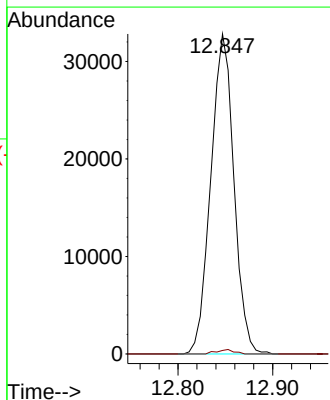
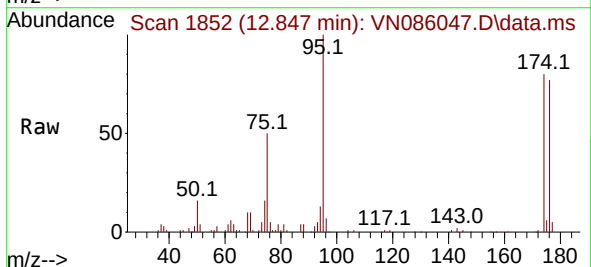
Instrument :
MSVOA_N
ClientSampleId :
PB167234ZHE#07

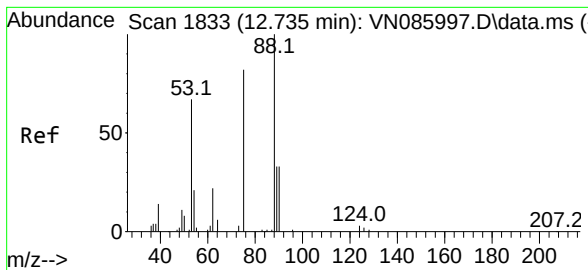
Tgt Ion: 43	Resp: 492
Ion Ratio	Lower Upper
43 100	
70 0.0	43.0 64.4#
55 0.0	23.8 35.8#
61 0.0	23.4 35.0#



#76
1,2,3-Trichloropropane
Concen: 24.948 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086047.D
Acq: 21 Mar 2025 18:06

Tgt Ion: 75	Resp: 55645
Ion Ratio	Lower Upper
75 100	
77 1.0	83.7 251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.958 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086047.D
 Acq: 21 Mar 2025 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167234ZHE#07

Tgt Ion: 75 Resp: 55645
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.0 99.0#
 89 0.0 36.9 55.3#

