

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031325\
 Data File : VN085978.D
 Acq On : 13 Mar 2025 14:13
 Operator : JC\MD
 Sample : PB167104ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167104ZHE#03

Quant Time: Mar 14 00:28:50 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

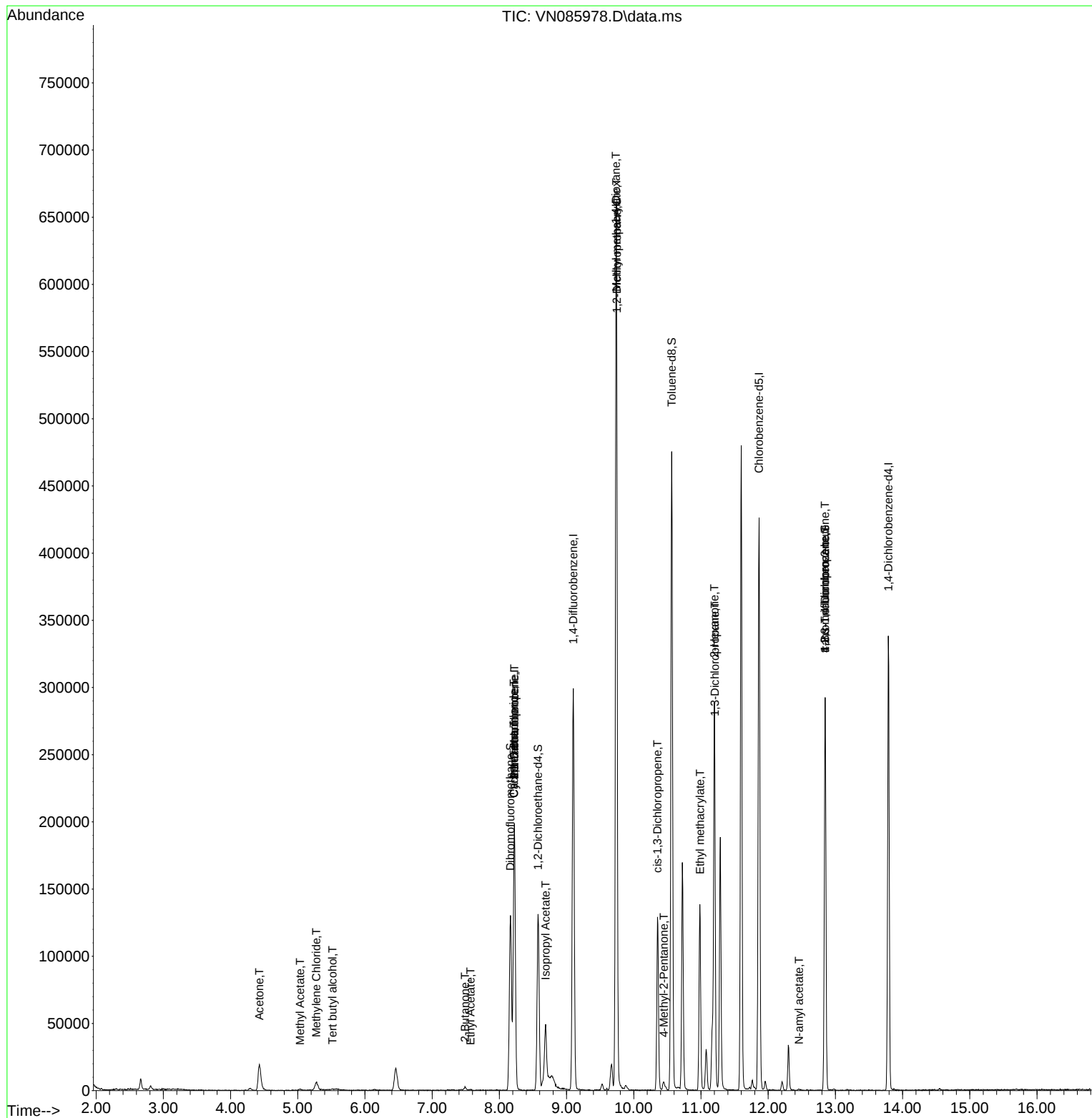
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	138076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	93745	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110421	61.684	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 123.360%	
35) Dibromofluoromethane	8.165	113	92554	55.378	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.760%	
50) Toluene-d8	10.565	98	334525	55.013	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.020%	
62) 4-Bromofluorobenzene	12.847	95	98547	49.188	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.380%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.518	59	585	2.657	ug/l #	72
16) Acetone	4.430	43	36037	63.622	ug/l	95
18) Methyl Acetate	5.036	43	1682	0.863	ug/l #	72
20) Methylene Chloride	5.277	84	4701	2.581	ug/l #	90
25) 2-Butanone	7.489	43	3847	4.617	ug/l #	83
31) Cyclohexane	8.218	56	2894	1.132	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11573	4.893	ug/l #	51
37) Ethyl Acetate	7.571	43	1369	0.703	ug/l #	66
38) Carbon Tetrachloride	8.218	117	15636	5.563	ug/l #	17
43) Isopropyl Acetate	8.688	43	60483	17.348	ug/l #	83
45) 1,2-Dichloropropane	9.747	63	794	0.434	ug/l #	43
48) Methyl methacrylate	9.741	41	58367	40.375	ug/l #	37
49) 1,4-Dioxane	9.735	88	56	2.037	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	6691	3.565	ug/l #	73
54) cis-1,3-Dichloropropene	10.353	75	24308	8.681	ug/l #	64
56) Ethyl methacrylate	10.988	69	1164	0.971	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3314	1.124	ug/l #	42
59) 2-Hexanone	11.200	43	35675	27.631	ug/l #	54
74) N-amyl acetate	12.459	43	980	0.433	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	51240	24.606	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	51240	71.795	ug/l #	13

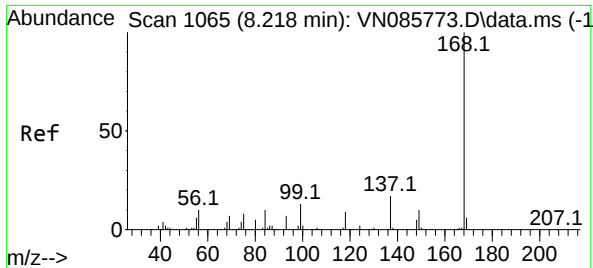
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN085978.D
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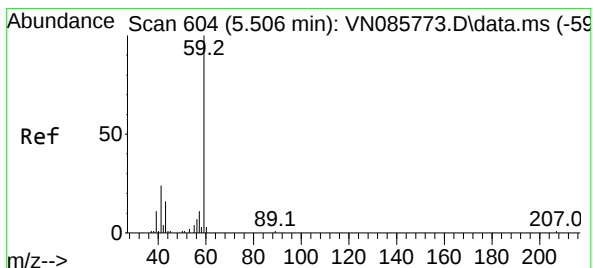
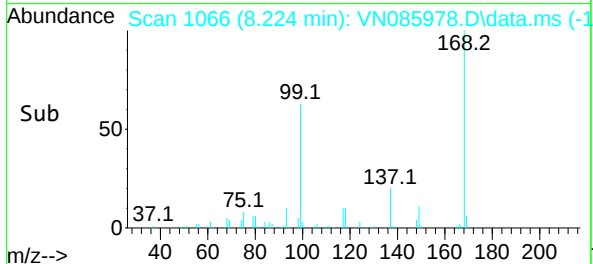
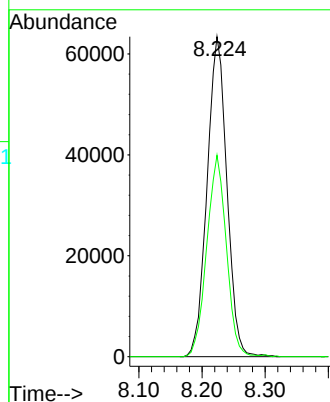
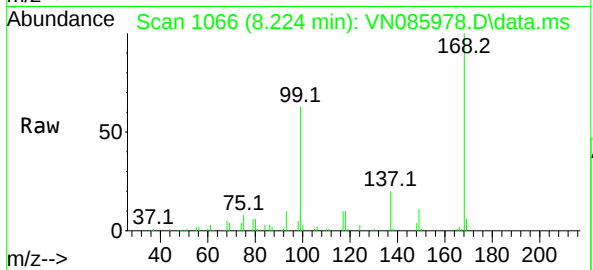




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

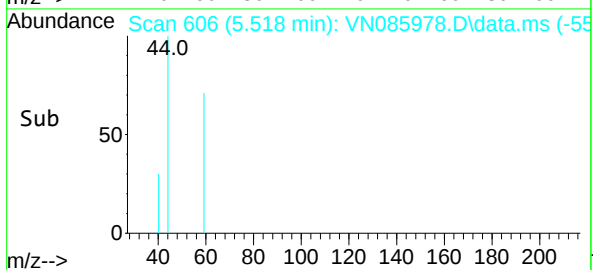
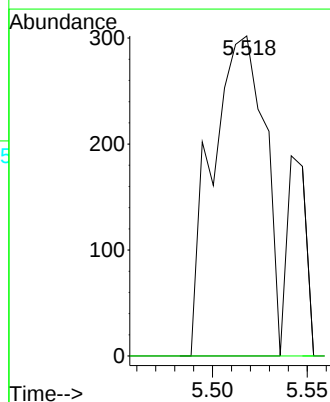
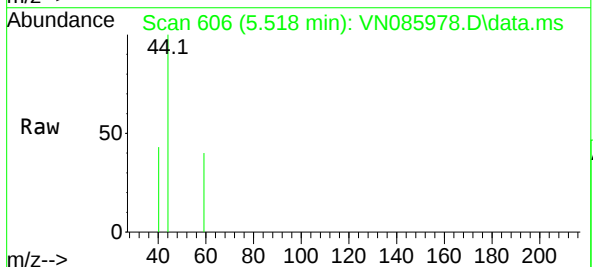
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#03

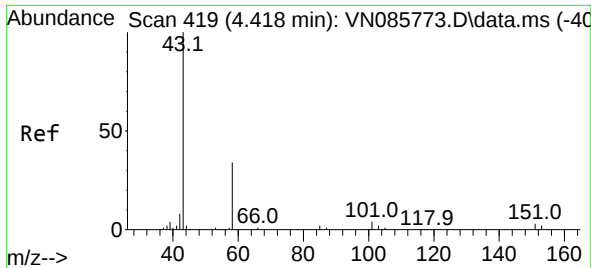
Tgt Ion:168 Resp: 138076
Ion Ratio Lower Upper
168 100
99 63.0 47.9 71.9



#11
Tert butyl alcohol
Concen: 2.657 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

Tgt Ion: 59 Resp: 585
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

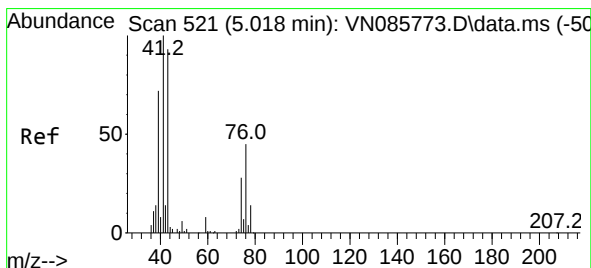
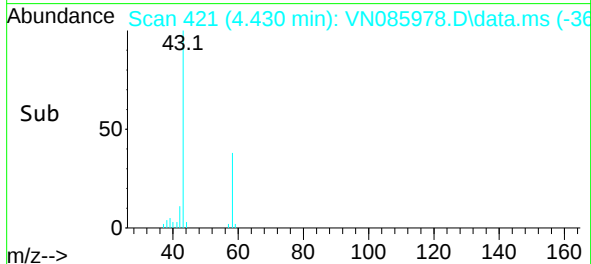
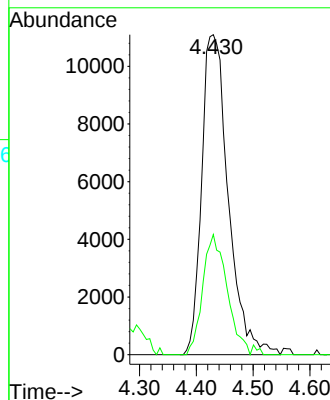
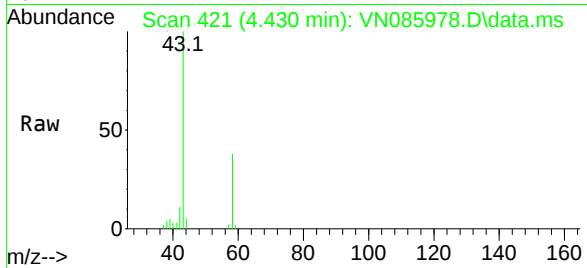




#16
Acetone
Concen: 63.622 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

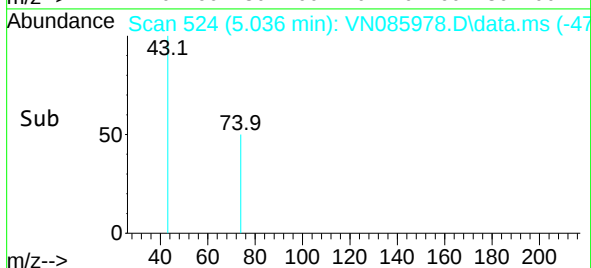
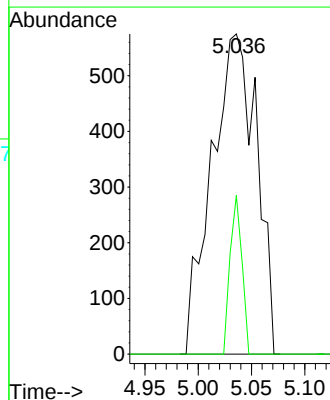
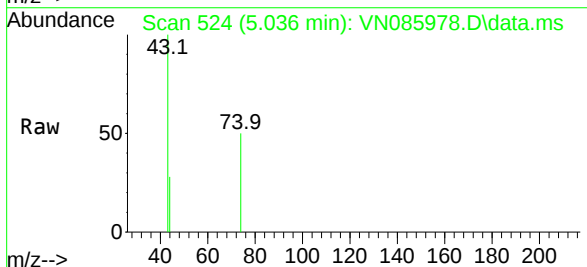
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#03

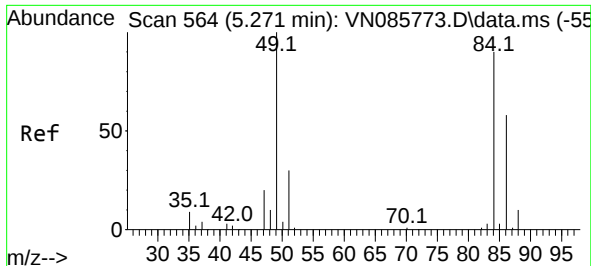
Tgt Ion: 43 Resp: 36037
Ion Ratio Lower Upper
43 100
58 37.5 27.5 41.3



#18
Methyl Acetate
Concen: 0.863 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

Tgt Ion: 43 Resp: 1682
Ion Ratio Lower Upper
43 100
74 13.1 22.2 33.4#





#20

Methylene Chloride

Concen: 2.581 ug/l

RT: 5.277 min Scan# 5

Delta R.T. 0.006 min

Lab File: VN085978.D

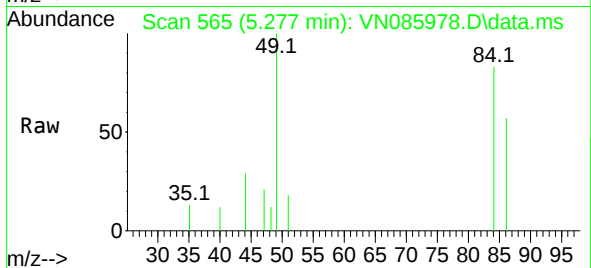
Acq: 13 Mar 2025 14:13

Instrument :

MSVOA_N

ClientSampleId :

PB167104ZHE#03



Tgt Ion: 84 Resp: 4701

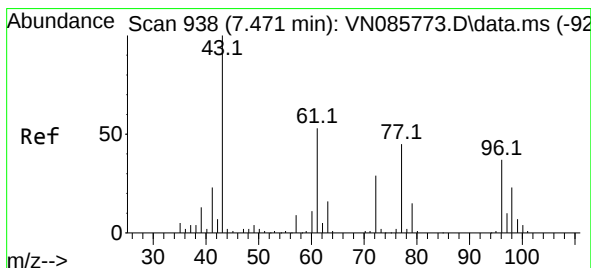
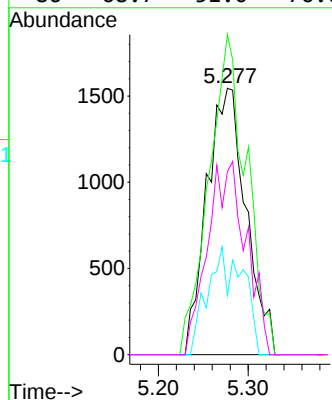
Ion Ratio Lower Upper

84 100

49 120.1 88.4 132.6

51 22.2 26.6 40.0#

86 68.7 51.0 76.6



#25

2-Butanone

Concen: 4.617 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.018 min

Lab File: VN085978.D

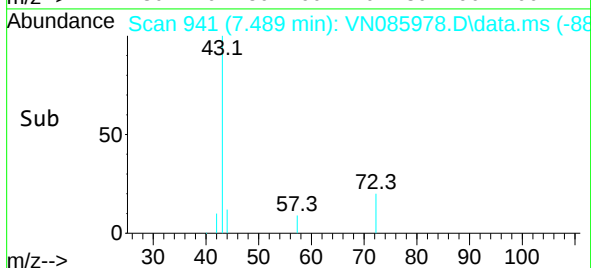
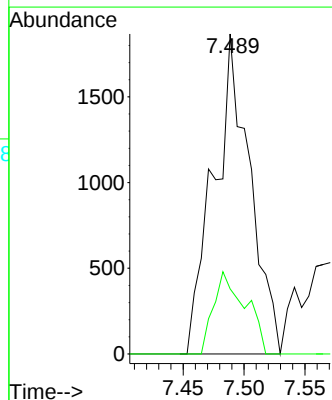
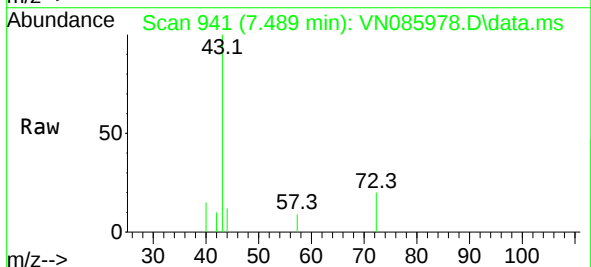
Acq: 13 Mar 2025 14:13

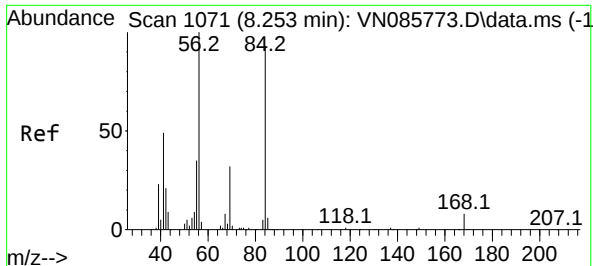
Tgt Ion: 43 Resp: 3847

Ion Ratio Lower Upper

43 100

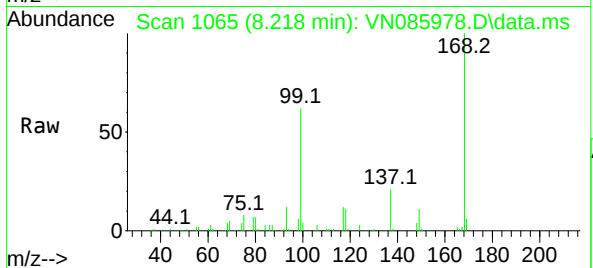
72 20.4 23.6 35.4#



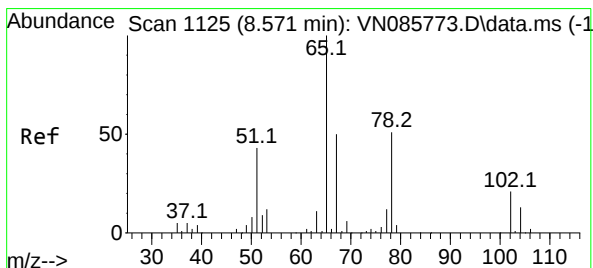
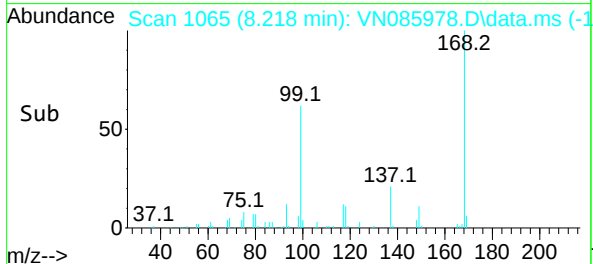
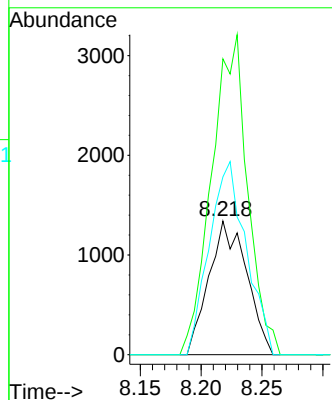


#31
Cyclohexane
Concen: 1.132 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#03

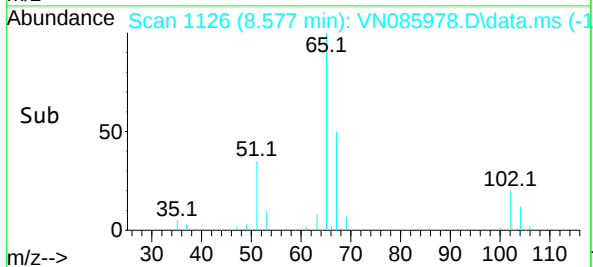
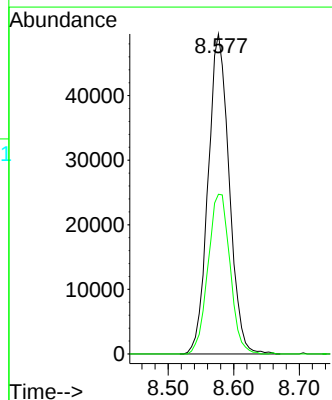
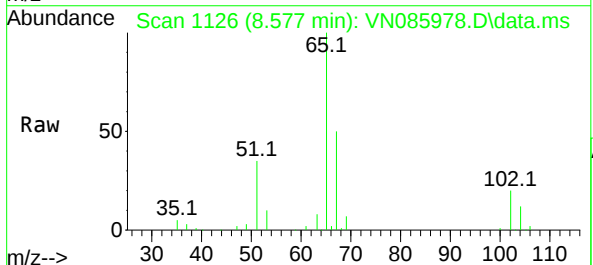


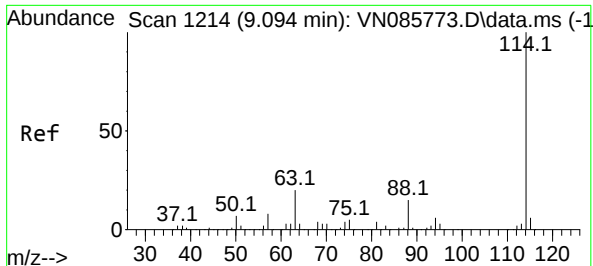
Tgt Ion: 56 Resp: 2894
Ion Ratio Lower Upper
56 100
69 221.3 25.8 38.6#
84 133.0 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 61.684 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

Tgt Ion: 65 Resp: 110421
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085978.D

Acq: 13 Mar 2025 14:13

Instrument :

MSVOA_N

ClientSampleId :

PB167104ZHE#03

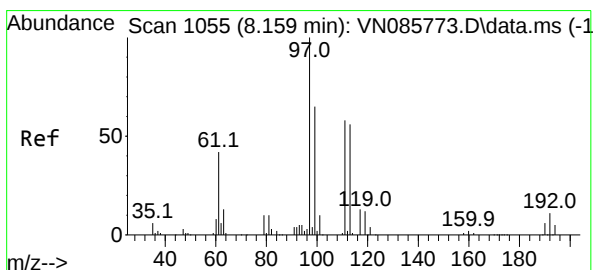
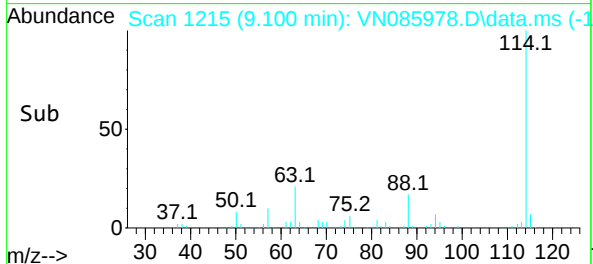
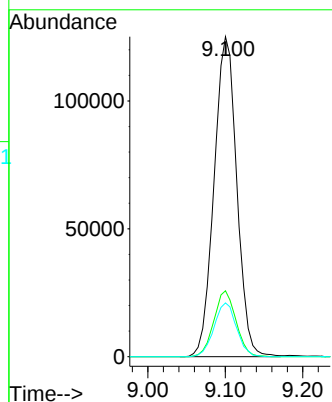
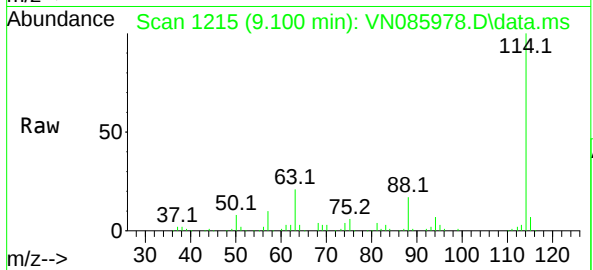
Tgt Ion:114 Resp: 255417

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.2

88 16.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 55.378 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085978.D

Acq: 13 Mar 2025 14:13

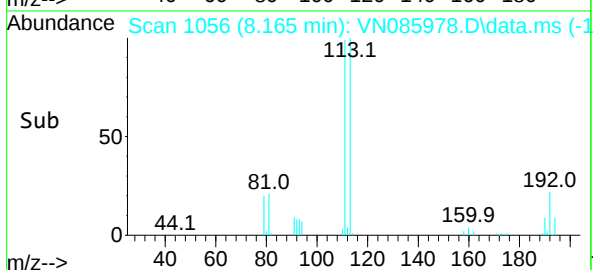
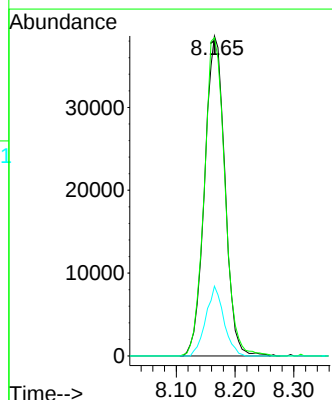
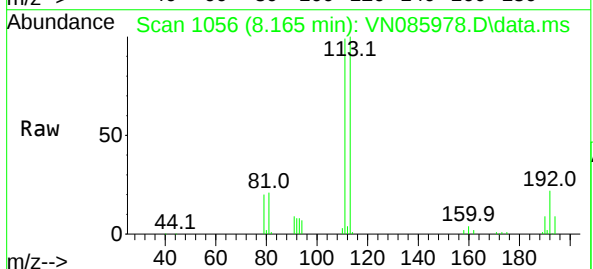
Tgt Ion:113 Resp: 92554

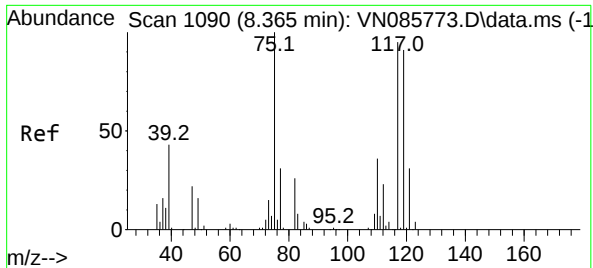
Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.4

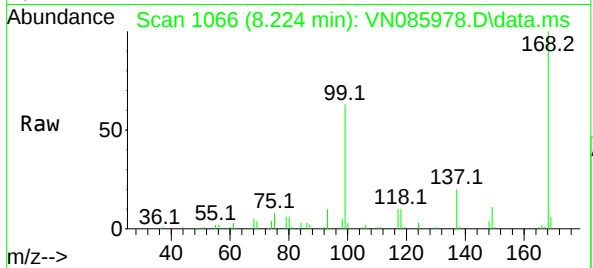
192 19.3 14.7 22.1



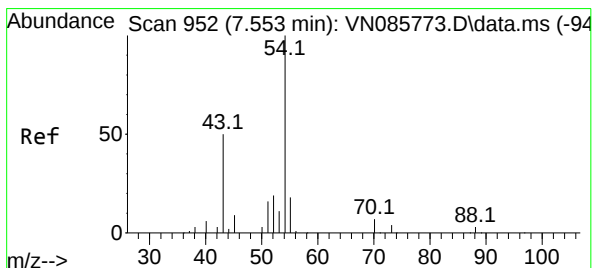
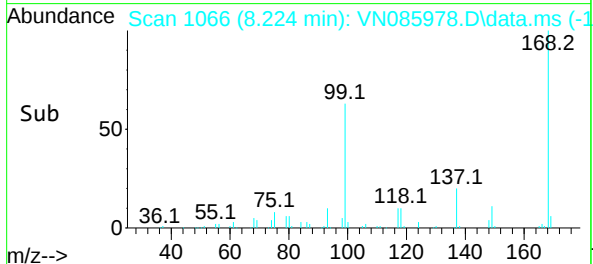
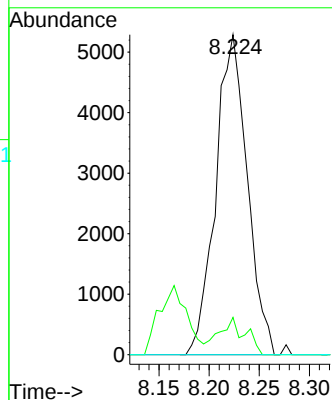


#36
1,1-Dichloropropene
Concen: 4.893 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#03

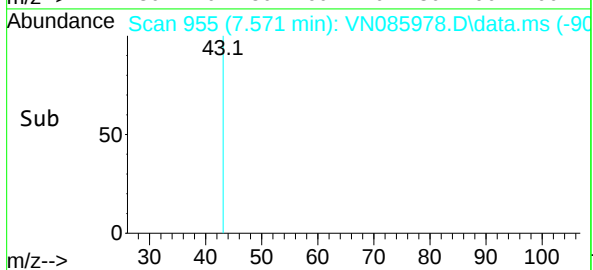
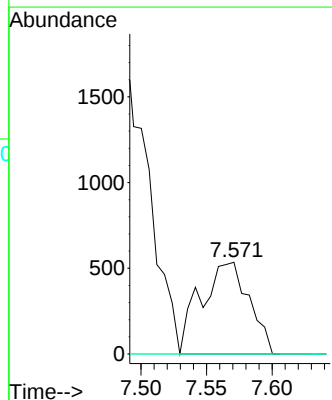
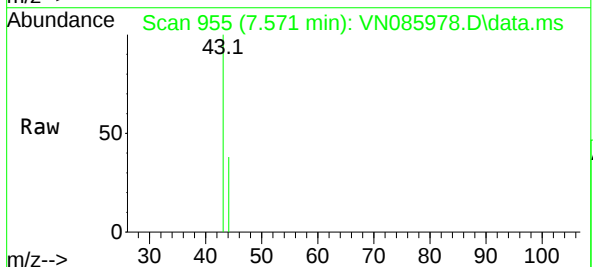


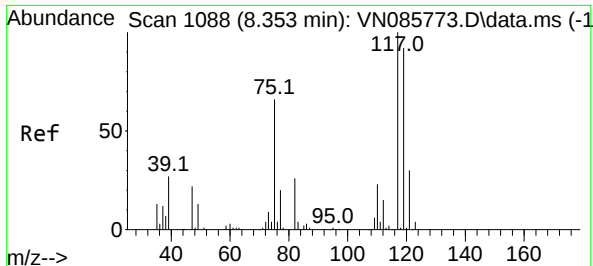
Tgt Ion: 75 Resp: 11573
Ion Ratio Lower Upper
75 100
110 9.7 17.3 52.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.703 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.018 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

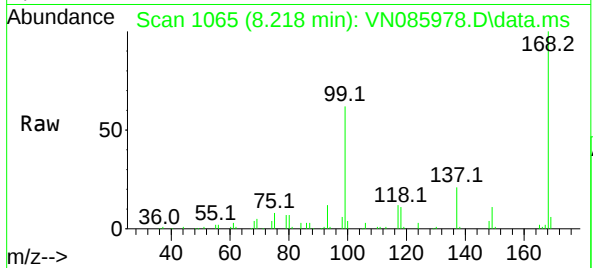
Tgt Ion: 43 Resp: 1369
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.2#
70 0.0 9.5 14.3#



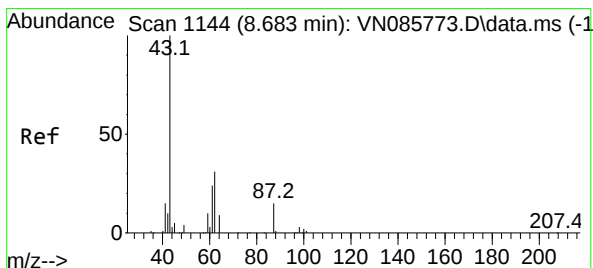
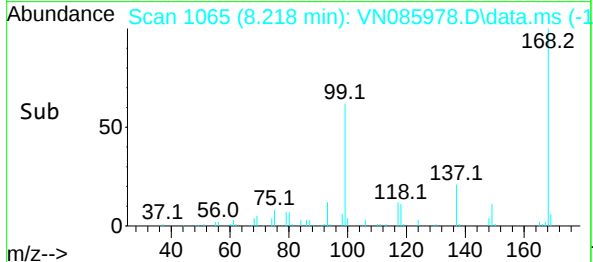
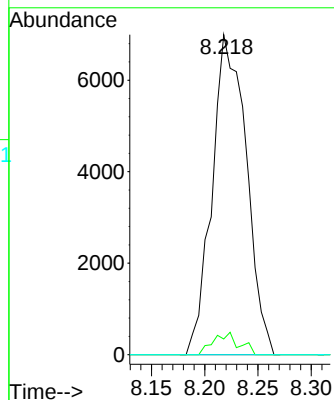


#38
Carbon Tetrachloride
Concen: 5.563 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#03

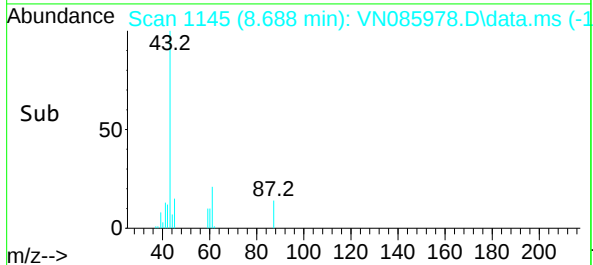
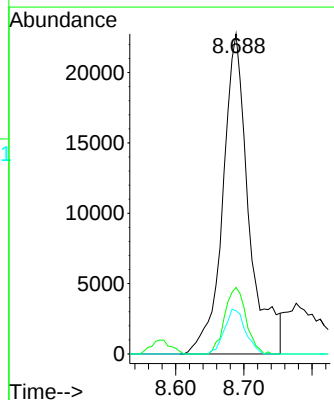
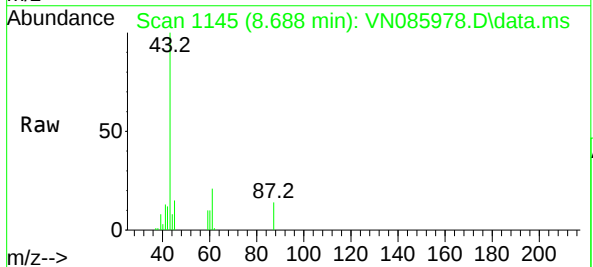


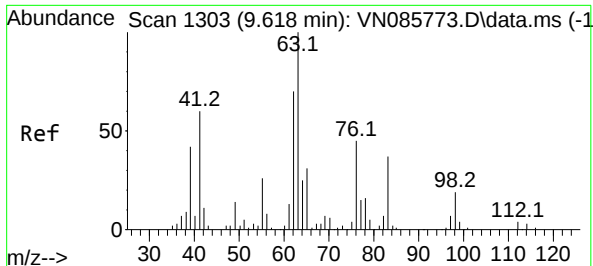
Tgt Ion:117 Resp: 15636
Ion Ratio Lower Upper
117 100
119 4.9 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 17.348 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

Tgt Ion: 43 Resp: 60483
Ion Ratio Lower Upper
43 100
61 17.1 22.6 34.0#
87 11.2 11.8 17.8#





#45

1,2-Dichloropropane

Concen: 0.434 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN085978.D

Acq: 13 Mar 2025 14:13

Instrument :

MSVOA_N

ClientSampleId :

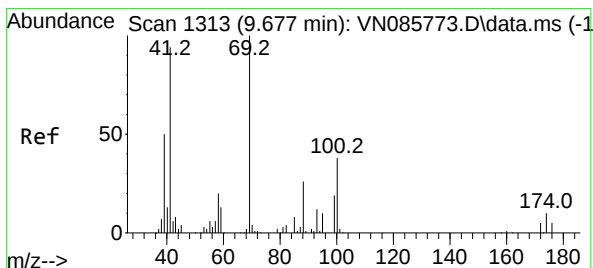
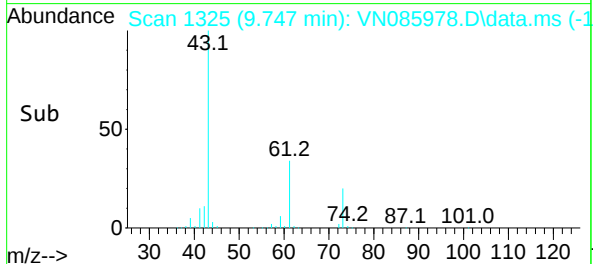
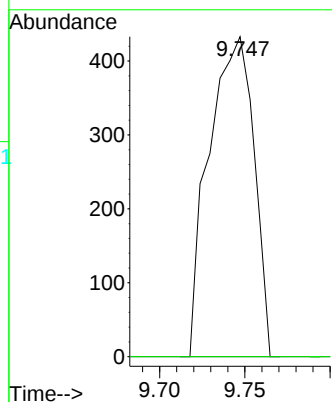
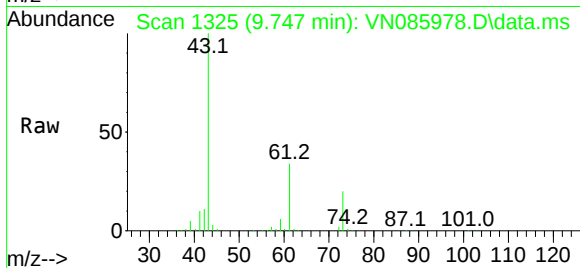
PB167104ZHE#03

Tgt Ion: 63 Resp: 794

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#



#48

Methyl methacrylate

Concen: 40.375 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN085978.D

Acq: 13 Mar 2025 14:13

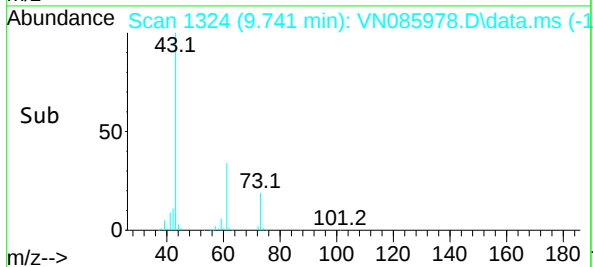
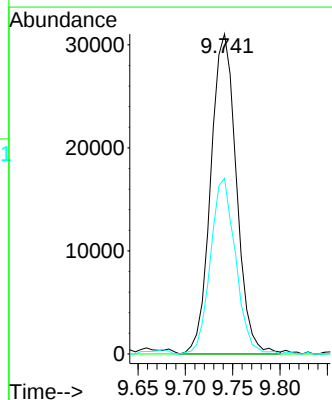
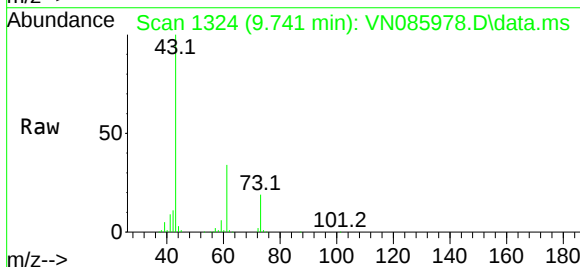
Tgt Ion: 41 Resp: 58367

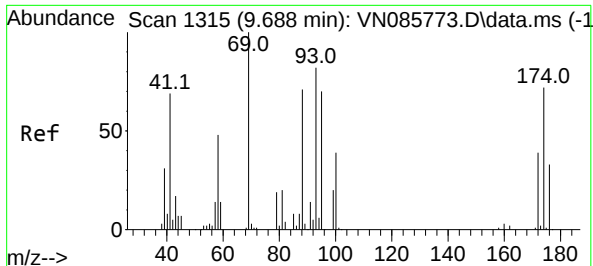
Ion Ratio Lower Upper

41 100

69 0.0 76.0 114.0#

39 53.7 42.3 63.5





#49

1,4-Dioxane

Concen: 2.037 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN085978.D

Acq: 13 Mar 2025 14:13

Instrument :

MSVOA_N

ClientSampleId :

PB167104ZHE#03

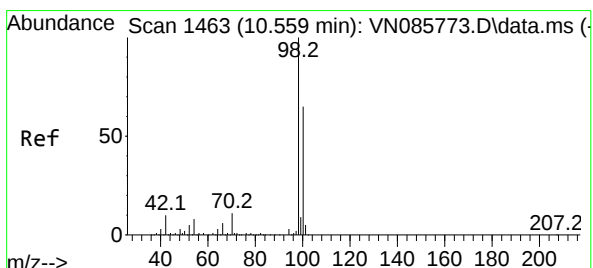
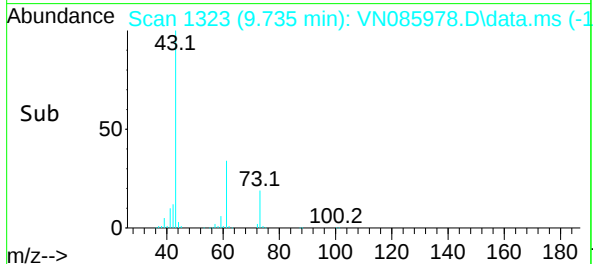
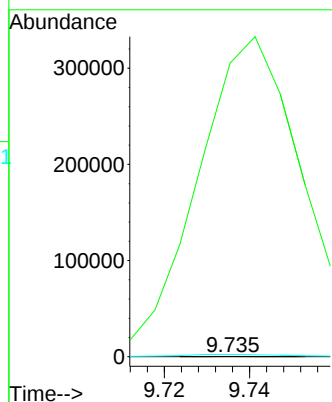
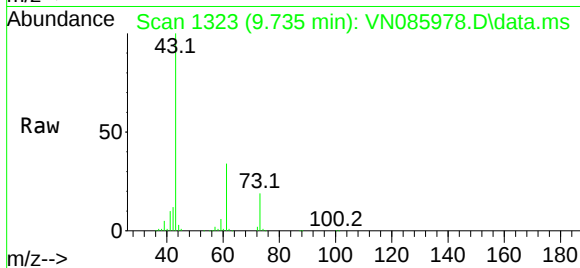
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 1047850.0 18.6 27.8#

58 8098.2 56.7 85.1#



#50

Toluene-d8

Concen: 55.013 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN085978.D

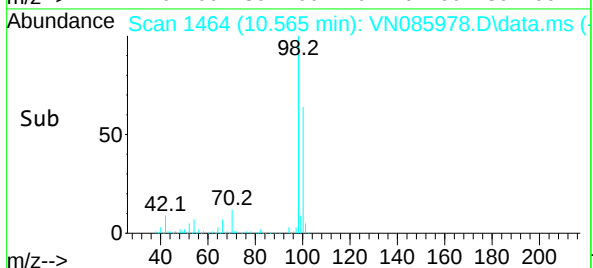
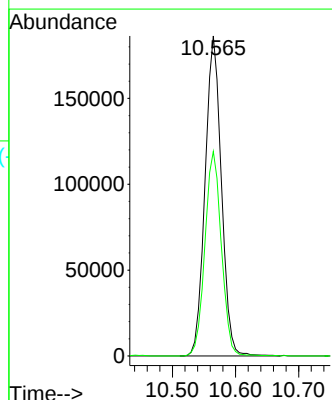
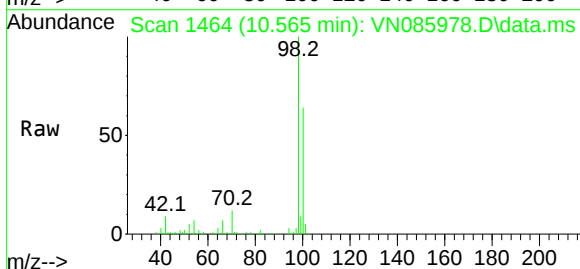
Acq: 13 Mar 2025 14:13

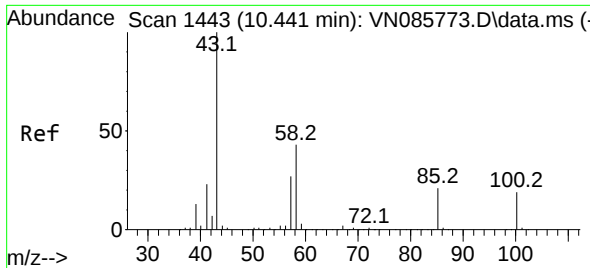
Tgt Ion: 98 Resp: 334525

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1

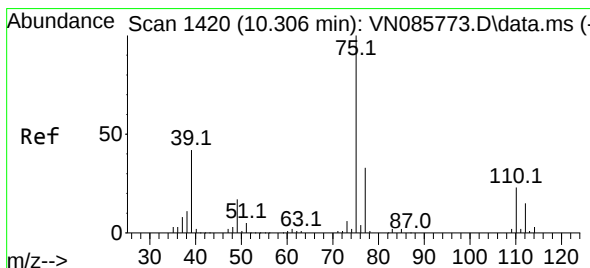
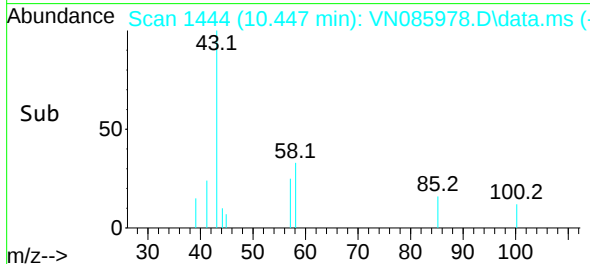
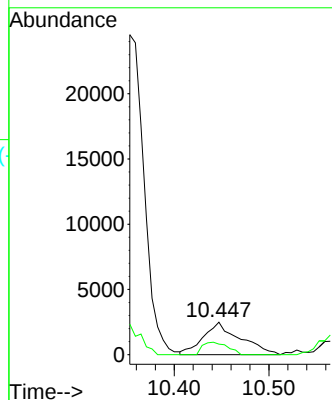
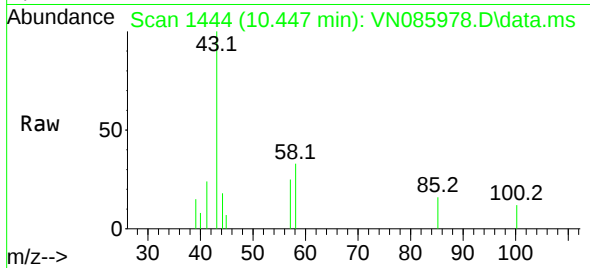




#51
4-Methyl-2-Pentanone
Concen: 3.565 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

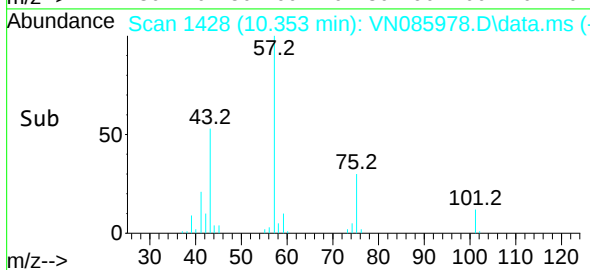
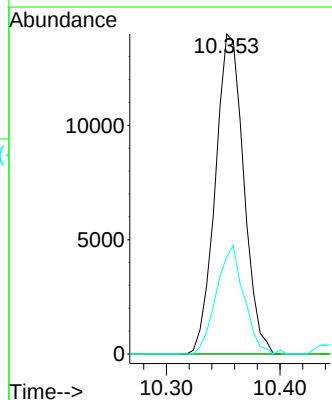
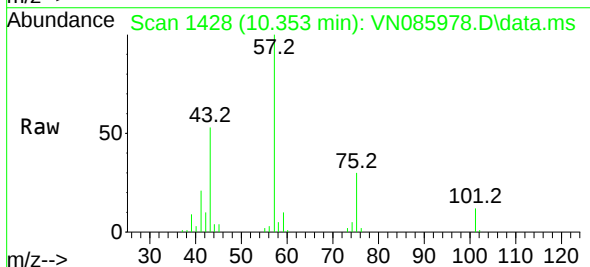
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#03

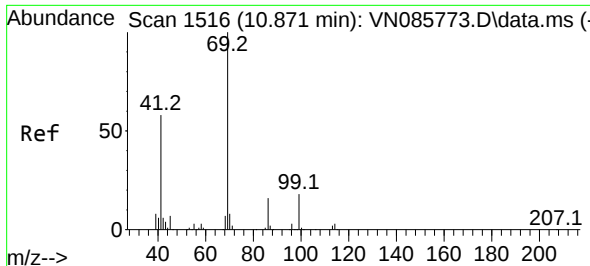
Tgt Ion: 43 Resp: 6691
Ion Ratio Lower Upper
43 100
58 26.2 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 8.681 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.047 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

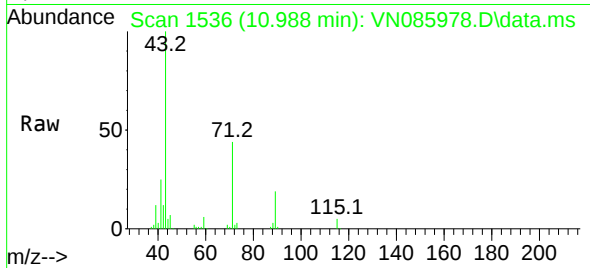
Tgt Ion: 75 Resp: 24308
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 30.4 33.4 50.0#



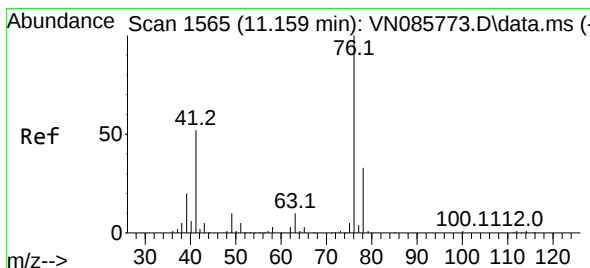
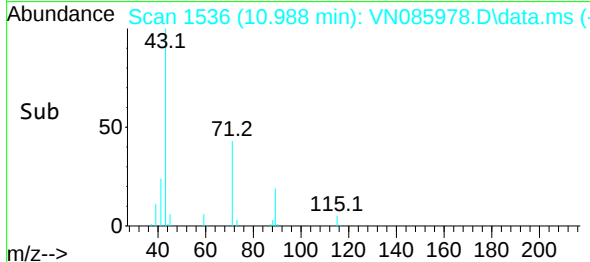
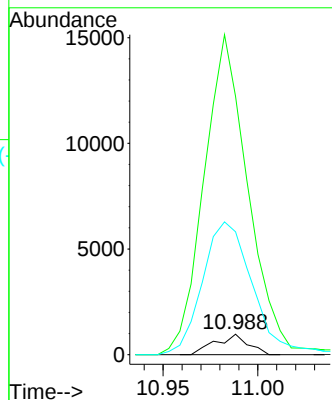


#56
Ethyl methacrylate
Concen: 0.971 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.117 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#03

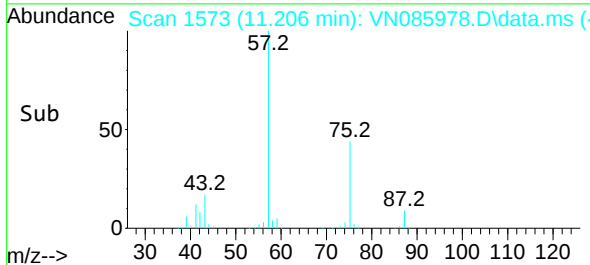
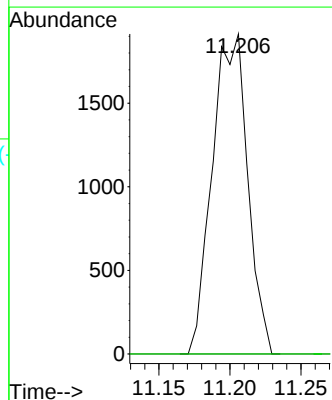
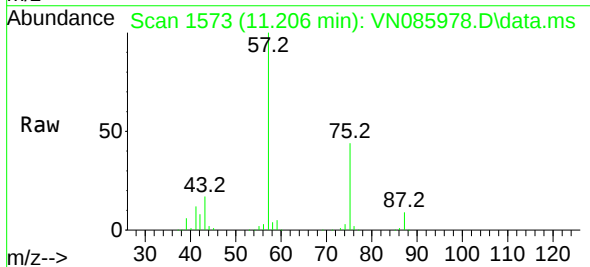


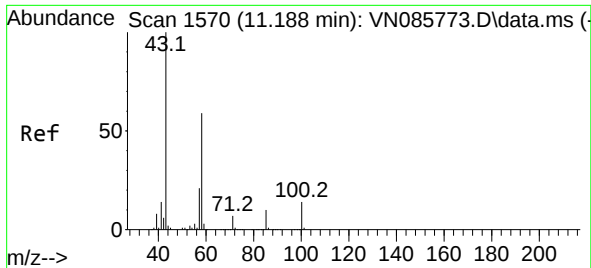
Tgt Ion: 69 Resp: 1164
Ion Ratio Lower Upper
69 100
41 2112.1 46.0 69.0#
39 999.1 22.0 33.0#



#57
1,3-Dichloropropane
Concen: 1.124 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.047 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

Tgt Ion: 76 Resp: 3314
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

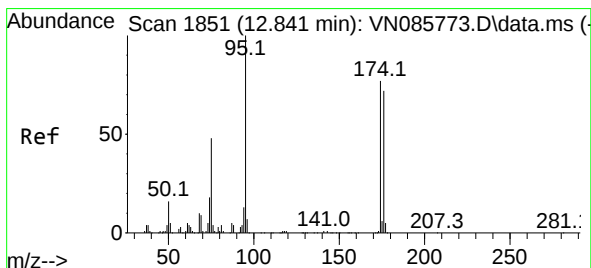
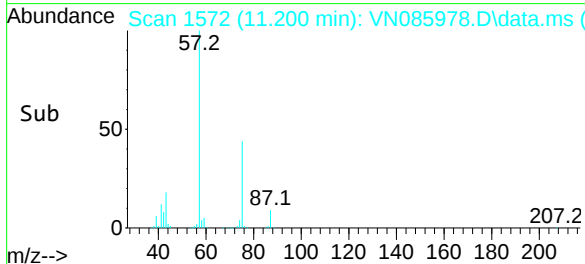
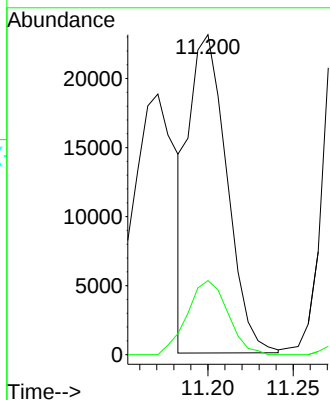
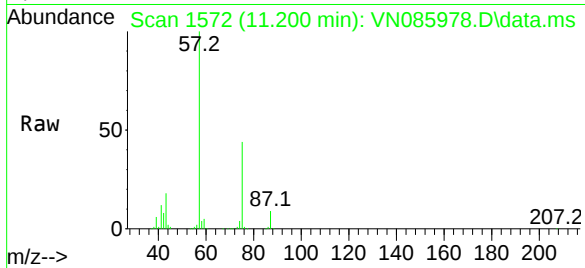




#59
2-Hexanone
Concen: 27.631 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

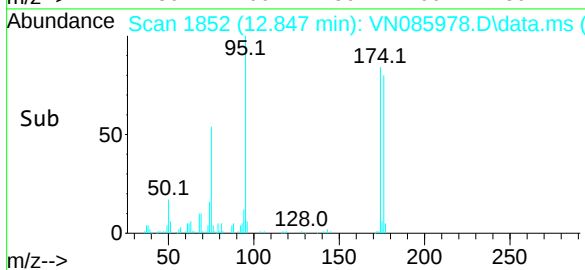
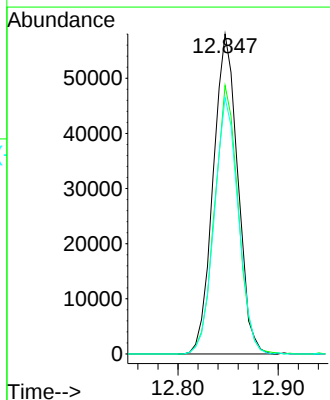
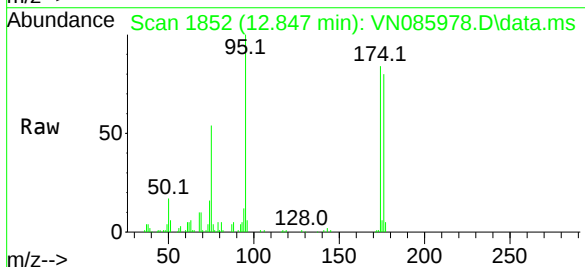
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#03

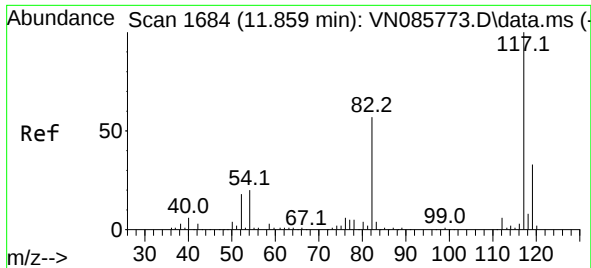
Tgt Ion: 43 Resp: 35675
Ion Ratio Lower Upper
43 100
58 24.9 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 49.188 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

Tgt Ion: 95 Resp: 98547
Ion Ratio Lower Upper
95 100
174 80.6 0.0 152.4
176 78.6 0.0 146.6

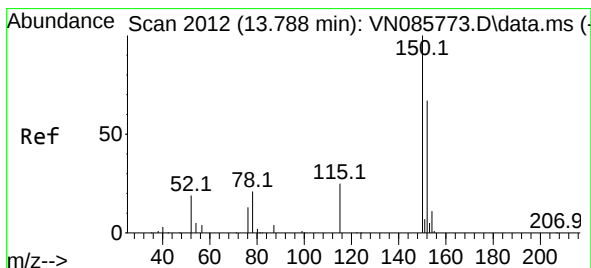
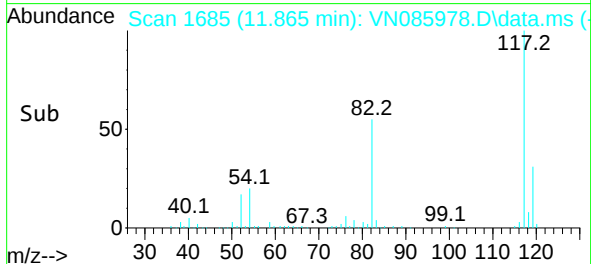
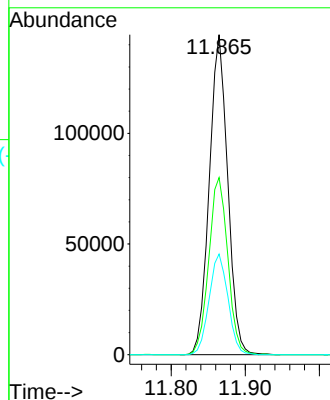
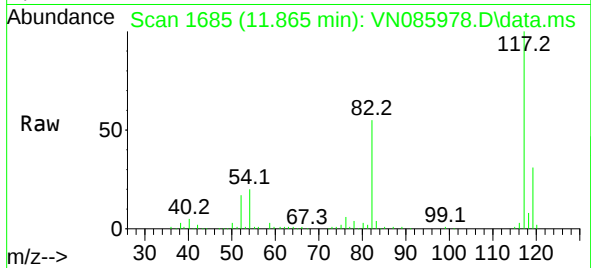




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

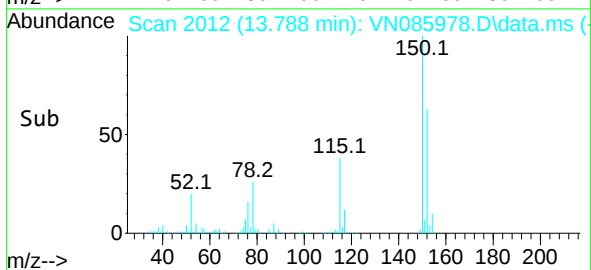
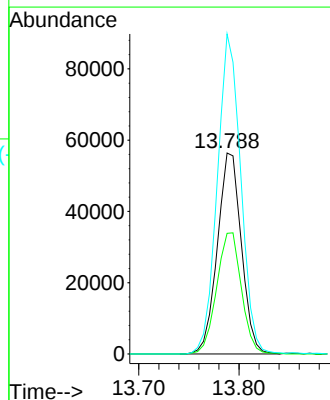
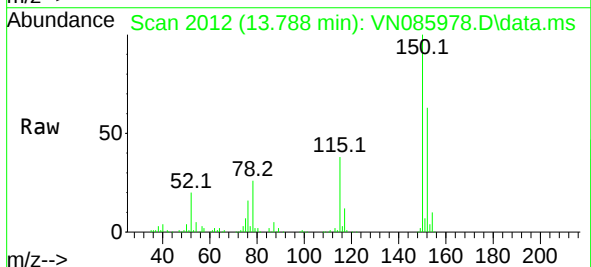
Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#03

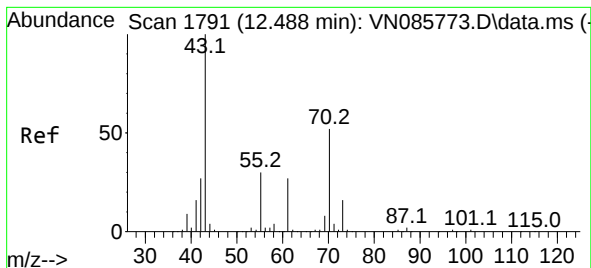
Tgt Ion:117 Resp: 249278
Ion Ratio Lower Upper
117 100
82 55.4 45.7 68.5
119 31.5 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

Tgt Ion:152 Resp: 93745
Ion Ratio Lower Upper
152 100
115 62.2 30.4 91.3
150 155.8 0.0 345.4





#74

N-amy1 acetate

Concen: 0.433 ug/l

RT: 12.459 min Scan# 1

Delta R.T. -0.029 min

Lab File: VN085978.D

Acq: 13 Mar 2025 14:13

Instrument :

MSVOA_N

ClientSampleId :

PB167104ZHE#03

Tgt Ion: 43 Resp: 980

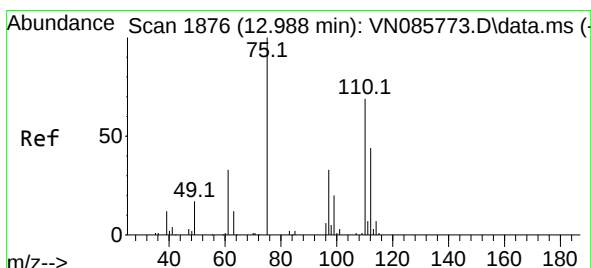
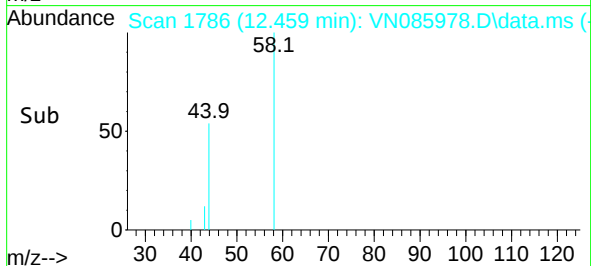
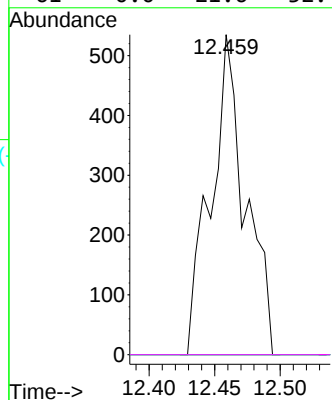
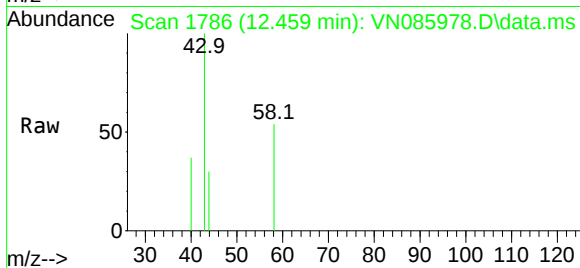
Ion Ratio Lower Upper

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: 24.606 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085978.D

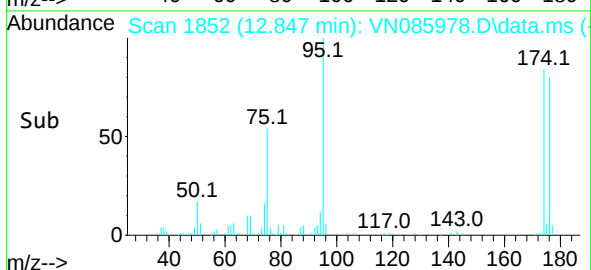
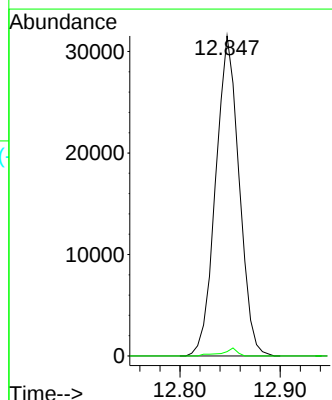
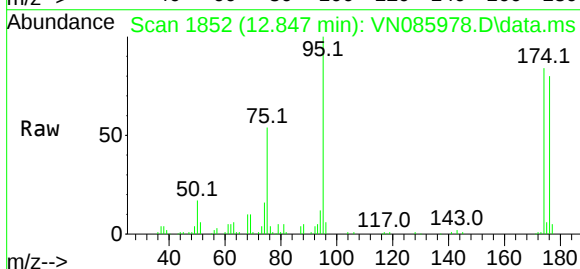
Acq: 13 Mar 2025 14:13

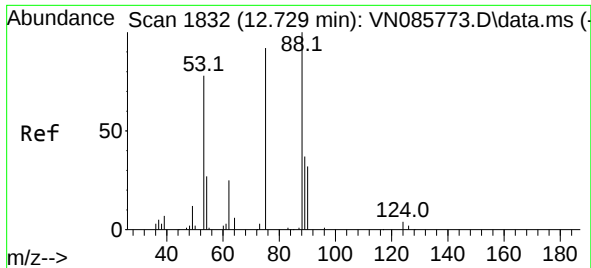
Tgt Ion: 75 Resp: 51240

Ion Ratio Lower Upper

75 100

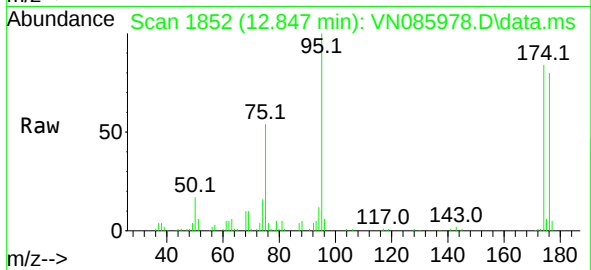
77 1.6 100.0 300.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 71.795 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN085978.D
Acq: 13 Mar 2025 14:13

Instrument :
MSVOA_N
ClientSampleId :
PB167104ZHE#03



Tgt Ion: 75 Resp: 51240
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#

