

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086180.D
 Acq On : 31 Mar 2025 19:27
 Operator : JC\MD
 Sample : PB167374ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#04

Quant Time: Apr 01 01:39:52 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)

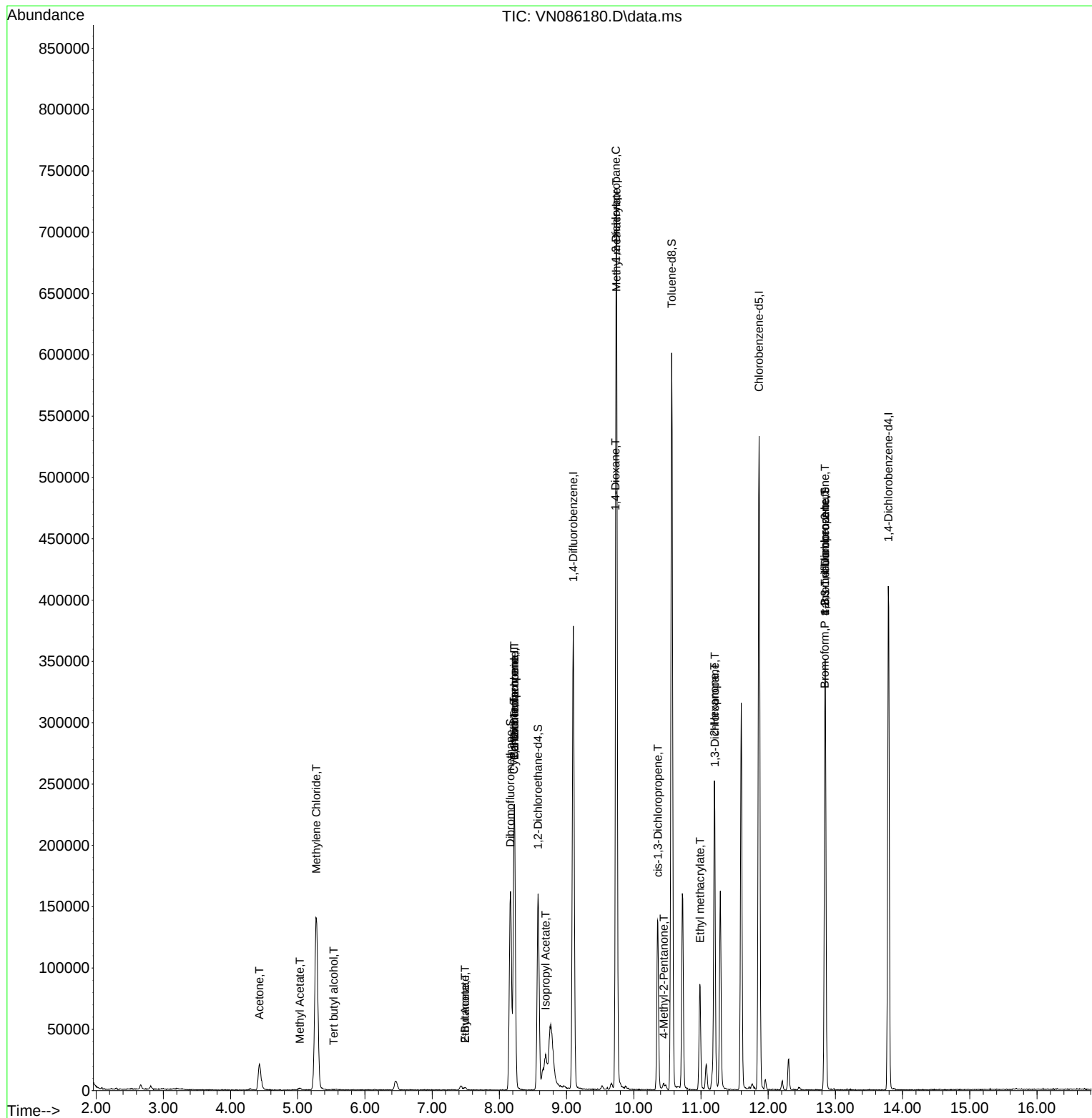
Internal Standards						
1) Pentafluorobenzene	8.224	168	168235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	331623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	319378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131644	57.144	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.280%	
35) Dibromofluoromethane	8.165	113	119318	51.548	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.100%	
50) Toluene-d8	10.565	98	425361	50.634	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.260%	
62) 4-Bromofluorobenzene	12.847	95	123959	41.376	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 82.760%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.536	59	244	0.748	ug/l #	73
16) Acetone	4.430	43	40270	57.218	ug/l	97
18) Methyl Acetate	5.030	43	3139	1.803	ug/l #	66
20) Methylene Chloride	5.277	84	121036	58.786	ug/l	96
25) 2-Butanone	7.488	43	3755	3.698	ug/l #	80
31) Cyclohexane	8.218	56	3513	1.224	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13341	4.377	ug/l #	49
37) Ethyl Acetate	7.488	43	3755	1.460	ug/l #	64
38) Carbon Tetrachloride	8.224	117	17422	4.347	ug/l #	16
43) Isopropyl Acetate	8.688	43	40429	7.256	ug/l #	64
45) 1,2-Dichloropropane	9.735	63	827	0.380	ug/l #	44
48) Methyl methacrylate	9.741	41	61987	33.713	ug/l #	32
49) 1,4-Dioxane	9.729	88	56	1.288	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	3408	1.387	ug/l	90
54) cis-1,3-Dichloropropene	10.359	75	26691	7.283	ug/l #	66
56) Ethyl methacrylate	10.988	69	979	0.534	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	2742	0.720	ug/l #	42
59) 2-Hexanone	11.200	43	41453	23.156	ug/l #	43
71) Bromoform	12.841	173	689	0.303	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	59867	22.717	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59867	60.060	ug/l #	16

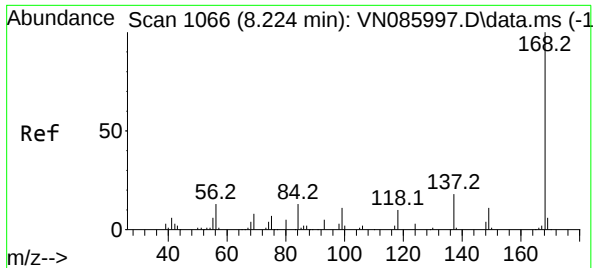
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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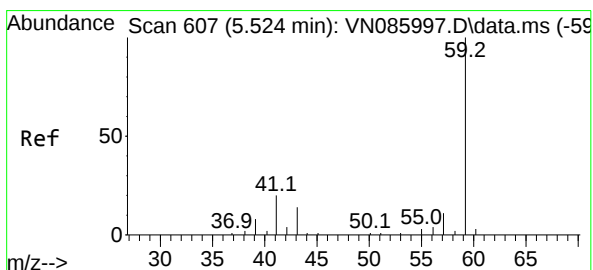
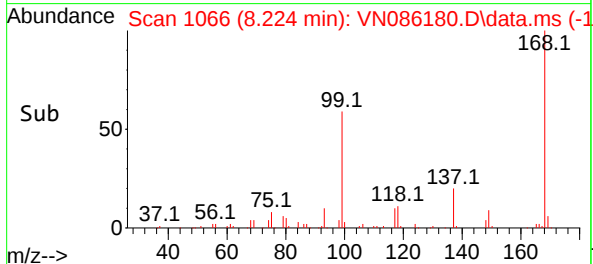
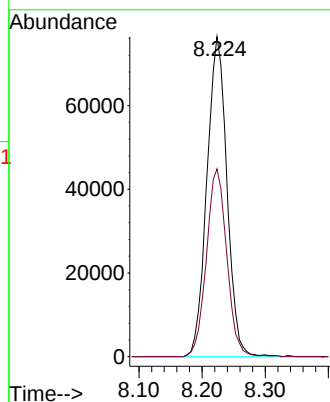
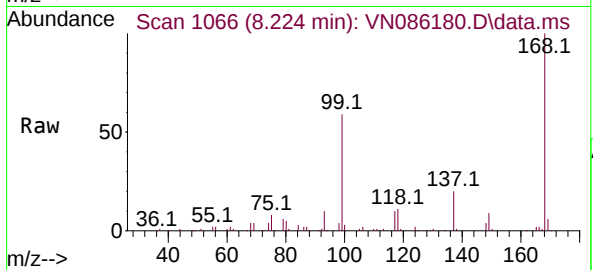




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

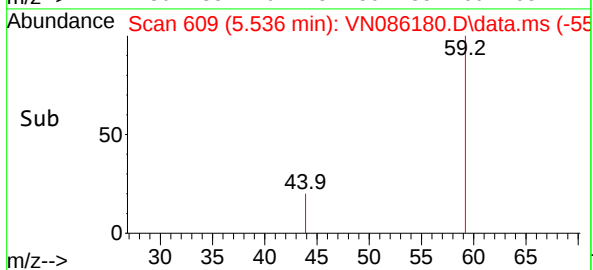
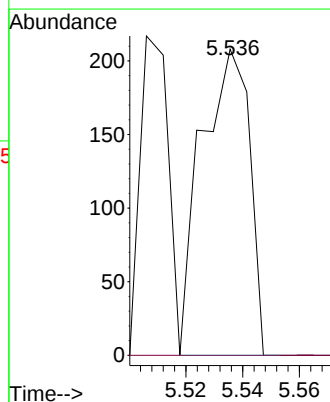
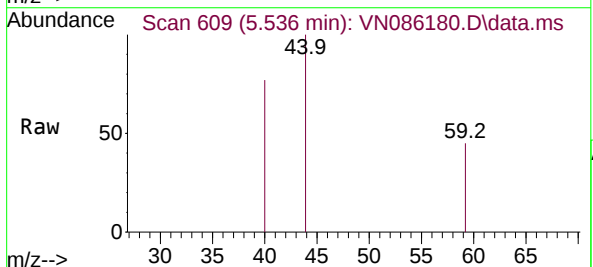
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#04

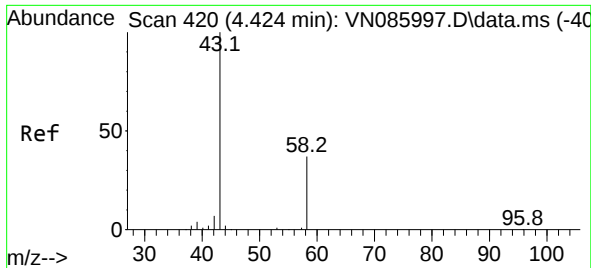
Tgt Ion:168 Resp: 168235
Ion Ratio Lower Upper
168 100
99 58.7 49.4 74.2



#11
Tert butyl alcohol
Concen: 0.748 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.012 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

Tgt Ion: 59 Resp: 244
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#16

Acetone

Concen: 57.218 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086180.D

Acq: 31 Mar 2025 19:27

Instrument :

MSVOA_N

ClientSampleId :

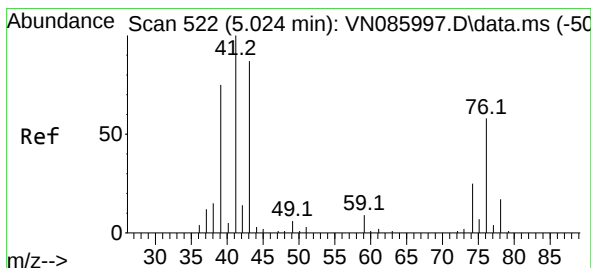
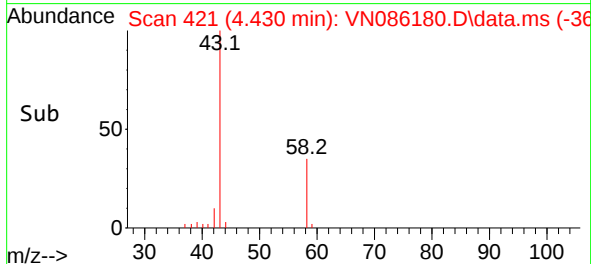
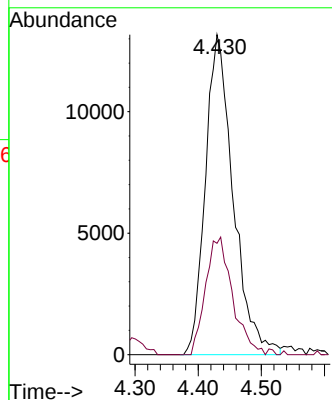
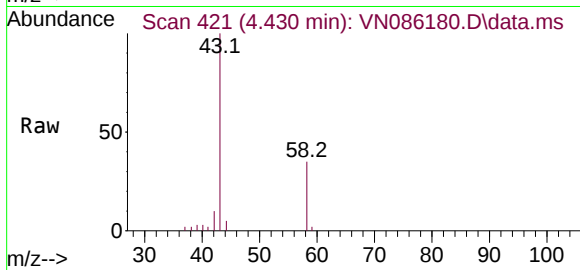
PB167374ZHE#04

Tgt Ion: 43 Resp: 40270

Ion Ratio Lower Upper

43 100

58 34.8 29.4 44.2



#18

Methyl Acetate

Concen: 1.803 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.006 min

Lab File: VN086180.D

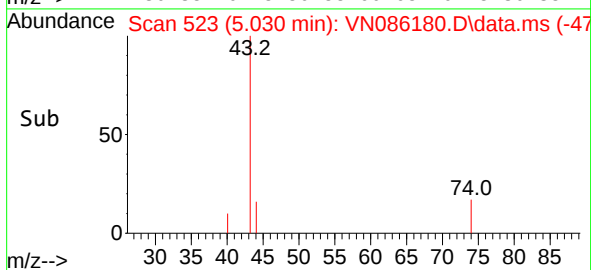
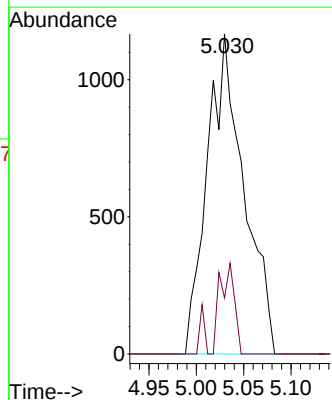
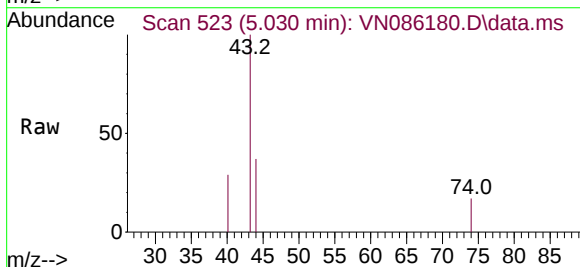
Acq: 31 Mar 2025 19:27

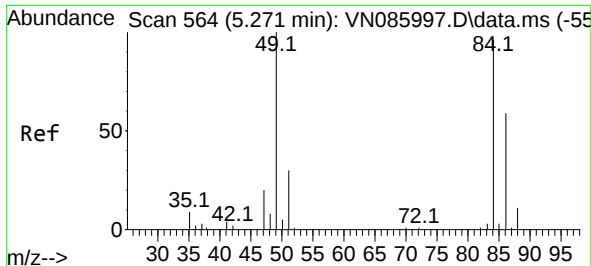
Tgt Ion: 43 Resp: 3139

Ion Ratio Lower Upper

43 100

74 11.3 23.9 35.9#

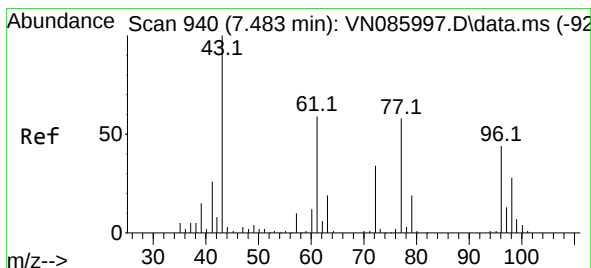
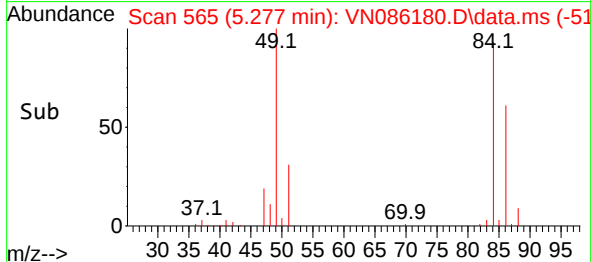
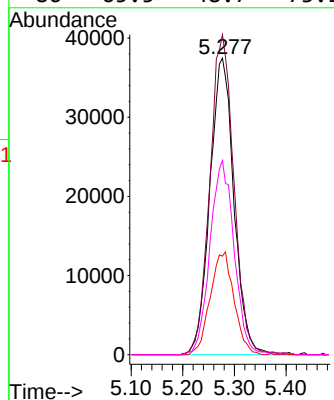
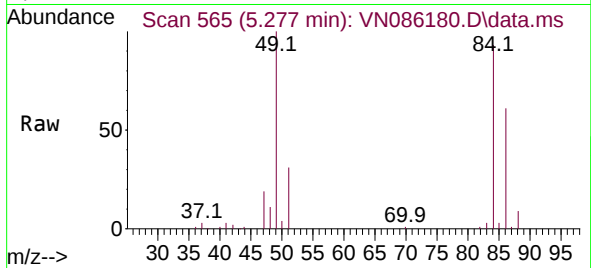




#20
Methylene Chloride
Concen: 58.786 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

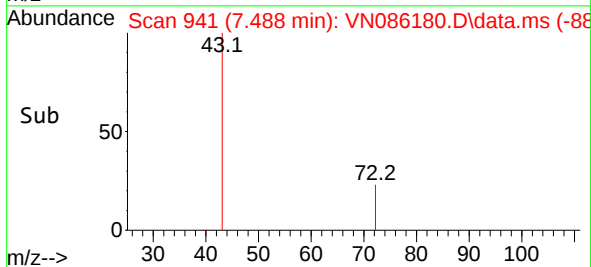
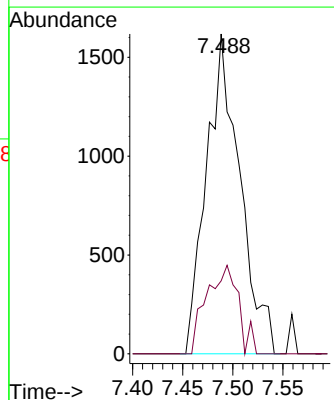
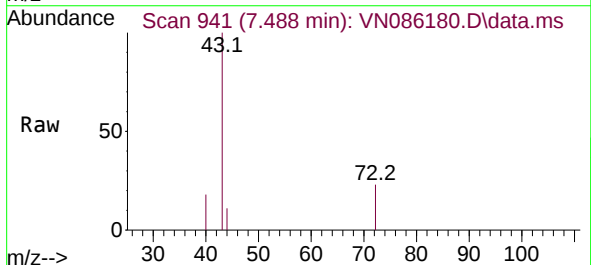
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#04

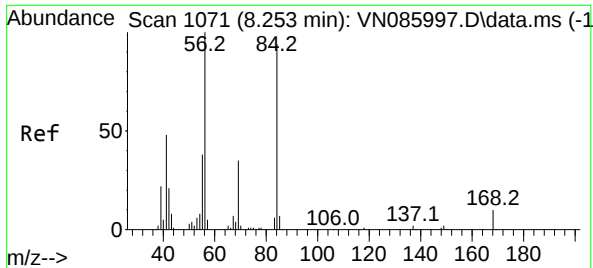
Tgt Ion: 84	Resp: 121036
Ion Ratio	Lower Upper
84 100	
49 107.9	83.3 124.9
51 33.2	24.8 37.2
86 65.5	48.7 73.1



#25
2-Butanone
Concen: 3.698 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

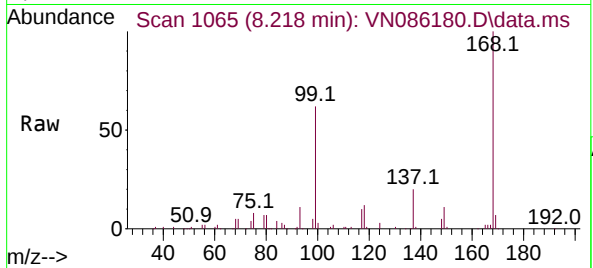
Tgt Ion: 43	Resp: 3755		
Ion Ratio	Lower	Upper	
43 100			
72 22.8	27.4	41.0#	





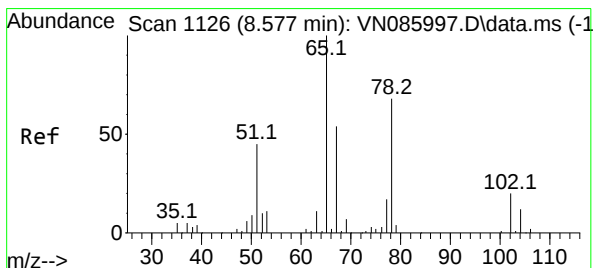
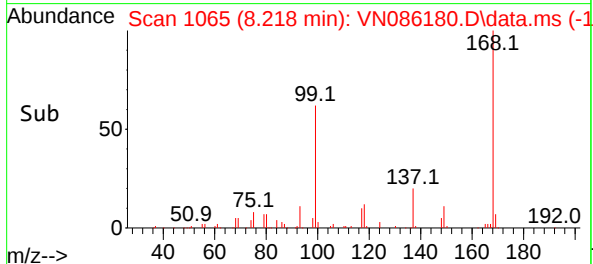
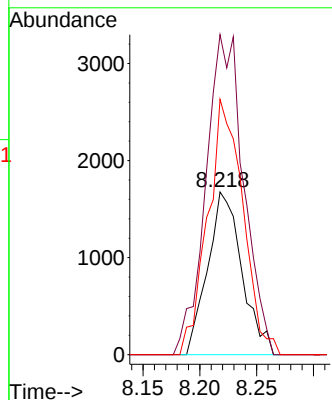
#31
Cyclohexane
Concen: 1.224 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.036 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#04



Tgt Ion: 56 Resp: 3513

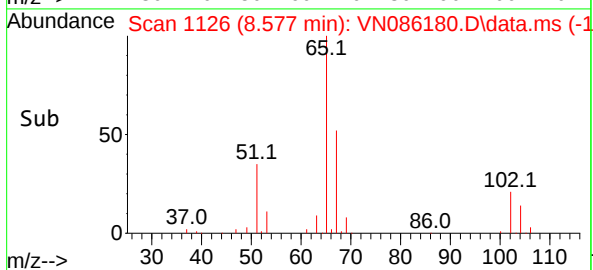
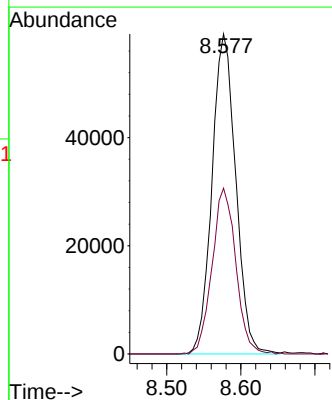
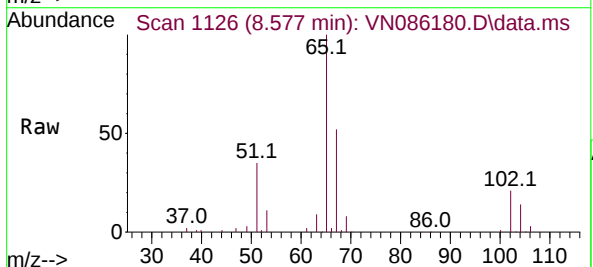
Ion	Ratio	Lower	Upper
56	100		
69	196.6	28.0	42.0#
84	156.9	75.0	112.6#

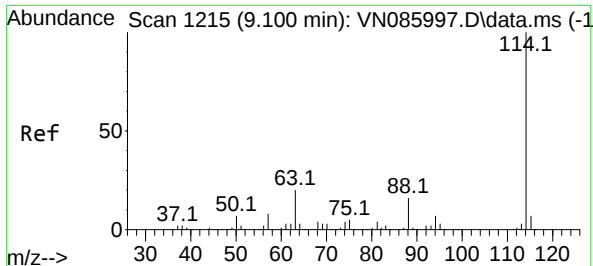


#33
1,2-Dichloroethane-d4
Concen: 57.144 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

Tgt Ion: 65 Resp: 131644

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.2

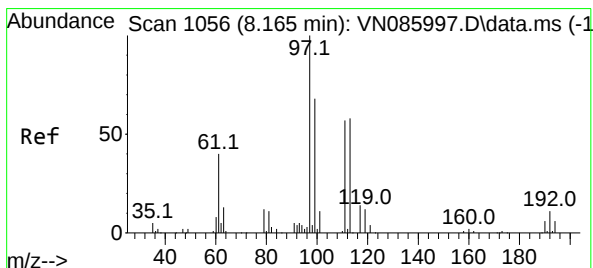
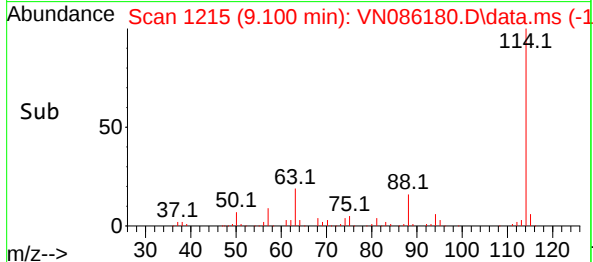
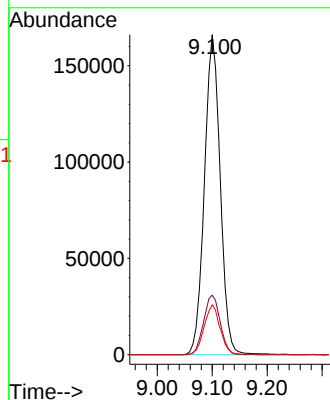
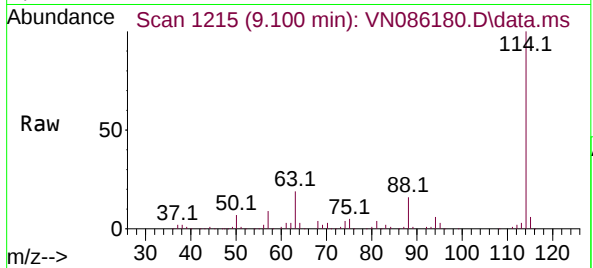




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

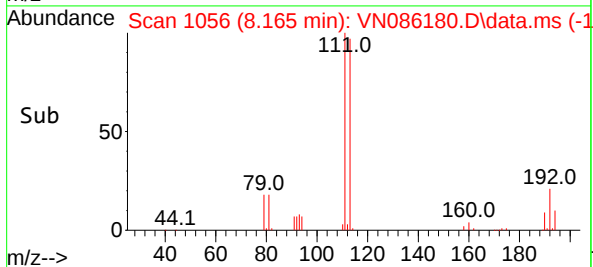
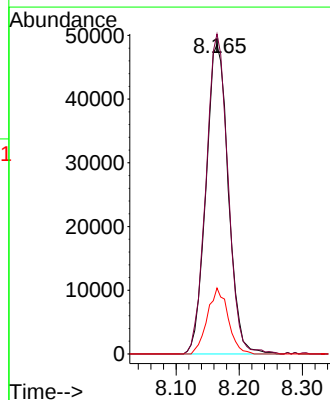
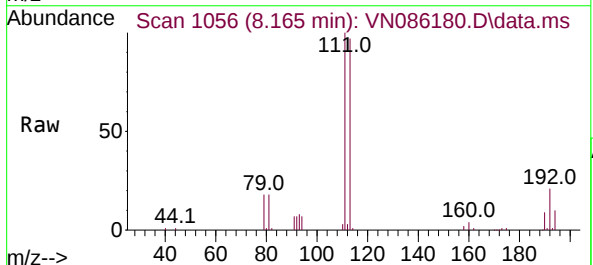
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#04

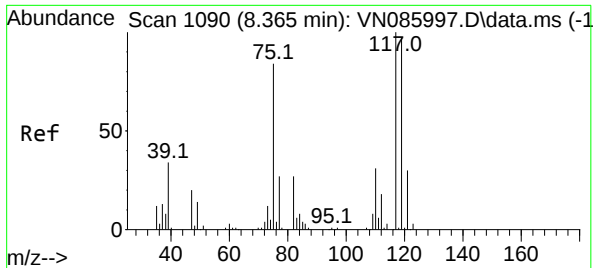
Tgt Ion:114 Resp: 331623
Ion Ratio Lower Upper
114 100
63 18.6 0.0 39.6
88 15.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.548 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

Tgt Ion:113 Resp: 119318
Ion Ratio Lower Upper
113 100
111 101.8 81.8 122.8
192 19.8 15.9 23.9

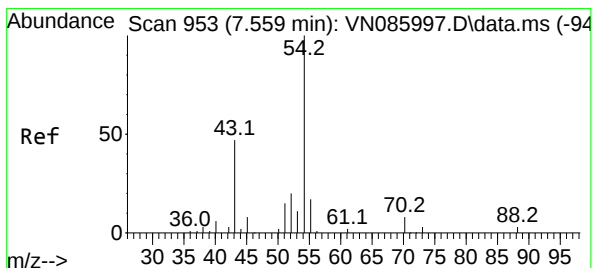
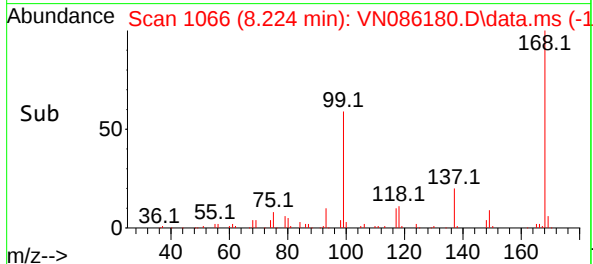
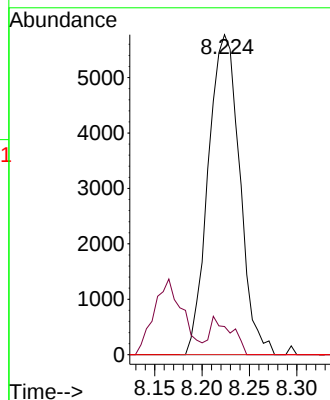
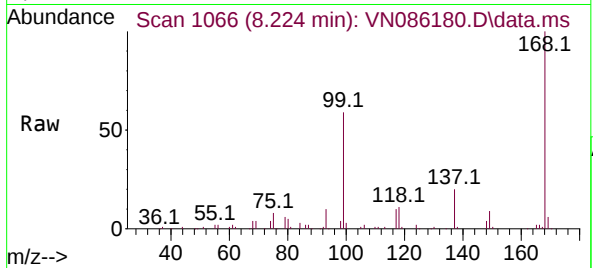




#36
1,1-Dichloropropene
Concen: 4.377 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

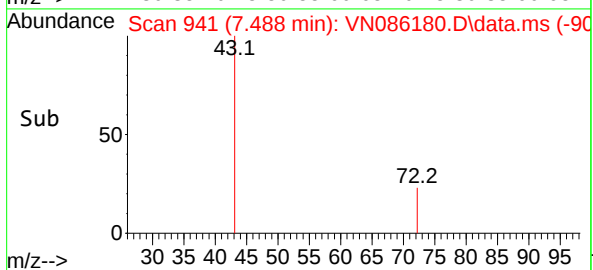
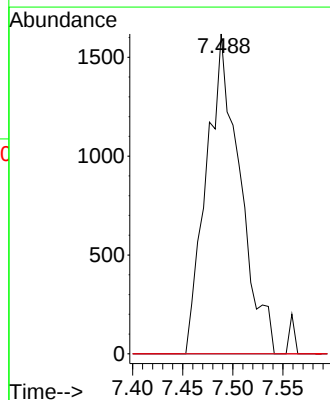
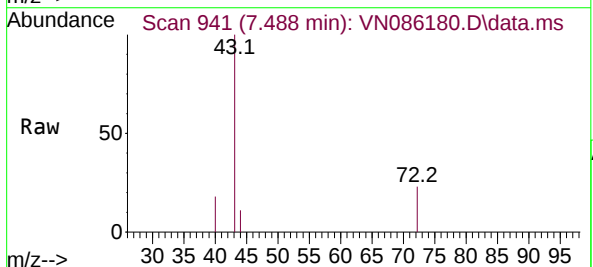
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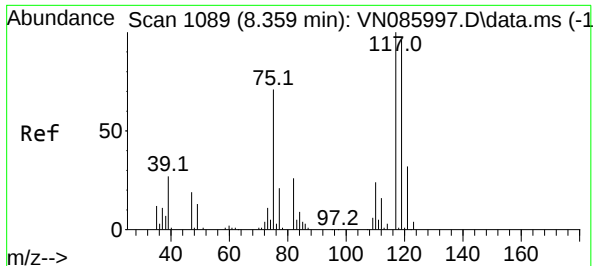
Tgt Ion: 75 Resp: 13341
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.460 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

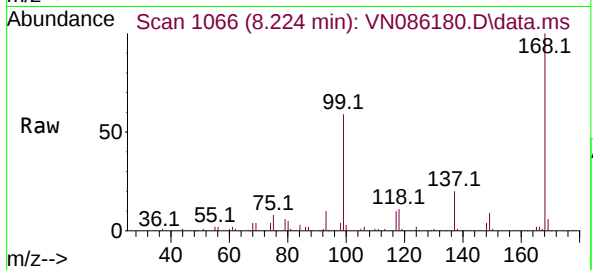
Tgt Ion: 43 Resp: 3755
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 11.0 16.6#



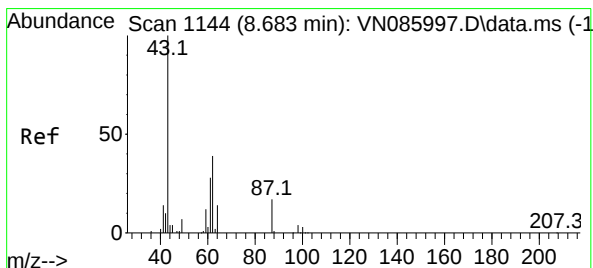
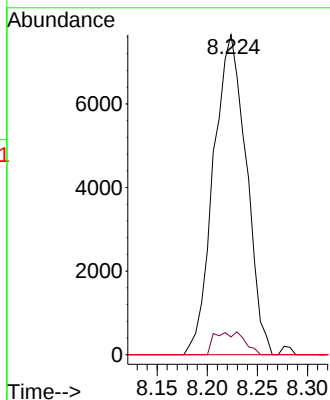
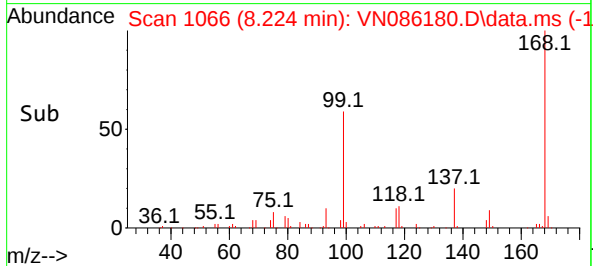


#38
Carbon Tetrachloride
Concen: 4.347 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.136 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

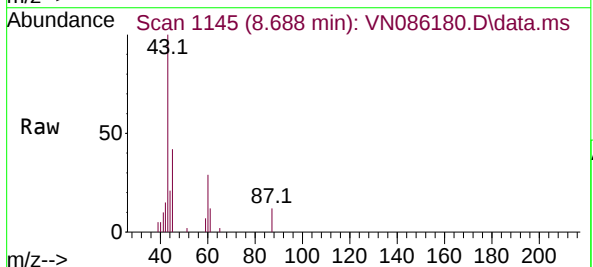
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#04



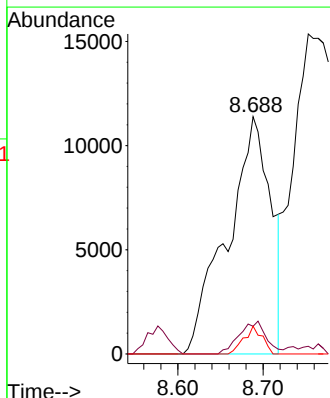
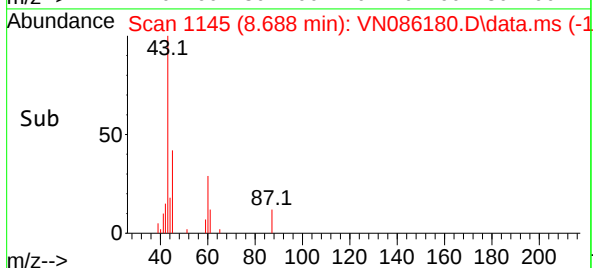
Tgt Ion:117 Resp: 17422
Ion Ratio Lower Upper
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119 5.6 77.0 115.4#
121 0.0 25.6 38.4#

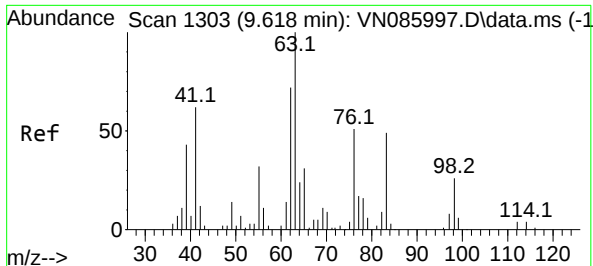


#43
Isopropyl Acetate
Concen: 7.256 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27



Tgt Ion: 43 Resp: 40429
Ion Ratio Lower Upper
43 100
61 8.6 25.0 37.6#
87 4.9 13.0 19.4#





#45

1,2-Dichloropropane

Concen: 0.380 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN086180.D

Acq: 31 Mar 2025 19:27

Instrument :

MSVOA_N

ClientSampleId :

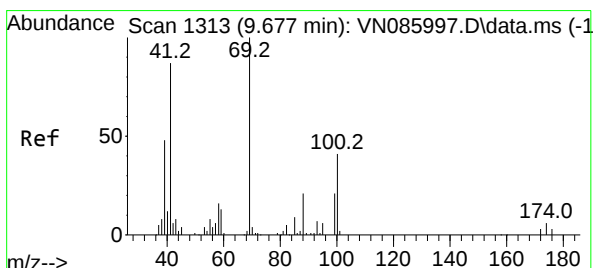
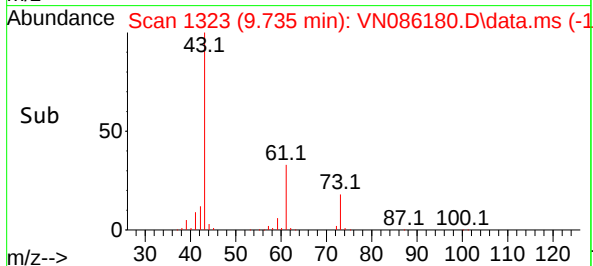
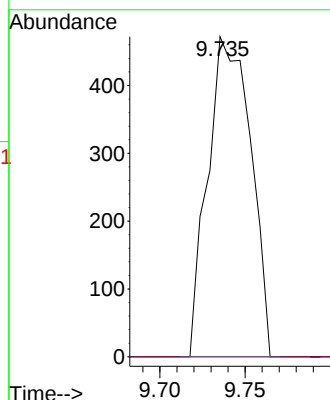
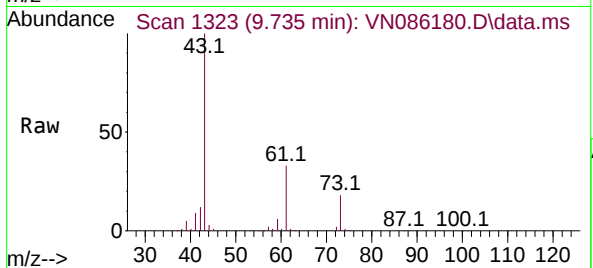
PB167374ZHE#04

Tgt Ion: 63 Resp: 827

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 33.713 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN086180.D

Acq: 31 Mar 2025 19:27

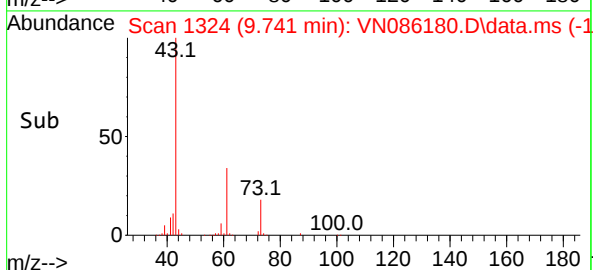
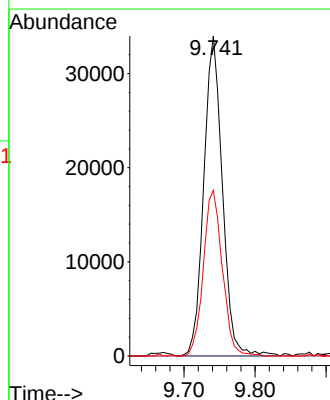
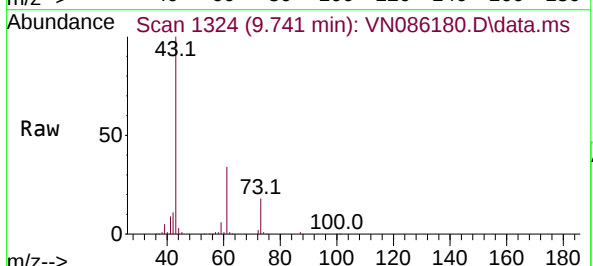
Tgt Ion: 41 Resp: 61987

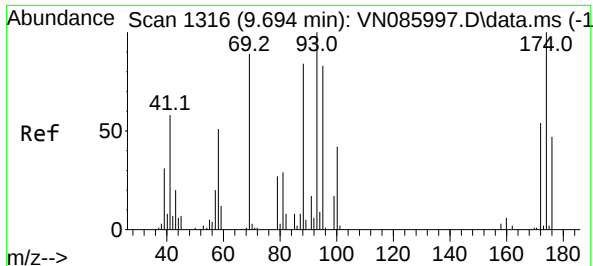
Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 52.8 45.6 68.4





#49

1,4-Dioxane

Concen: 1.288 ug/l

RT: 9.729 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN086180.D

Acq: 31 Mar 2025 19:27

Instrument :

MSVOA_N

ClientSampleId :

PB167374ZHE#04

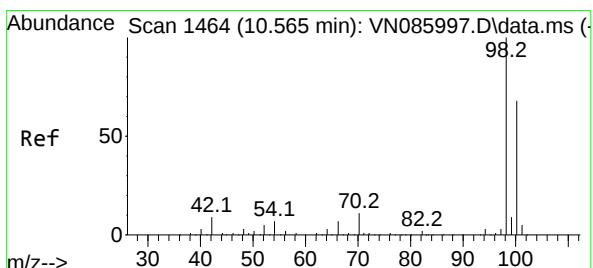
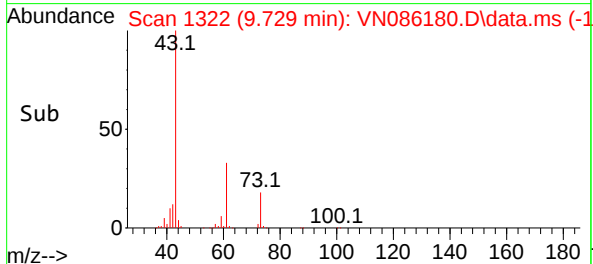
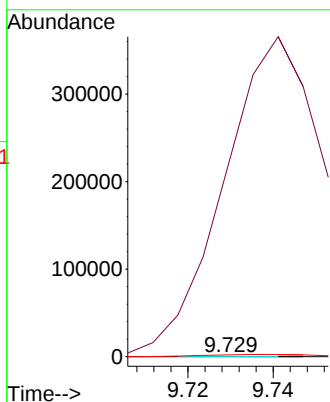
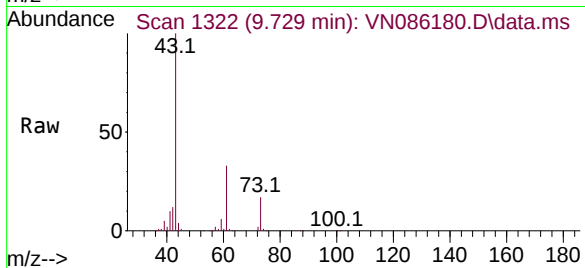
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 1136780.4 21.7 32.5#

58 8892.9 50.4 75.6#



#50

Toluene-d8

Concen: 50.634 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086180.D

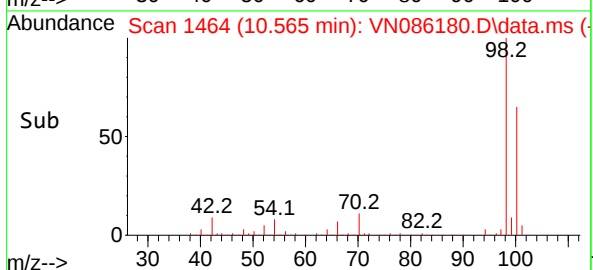
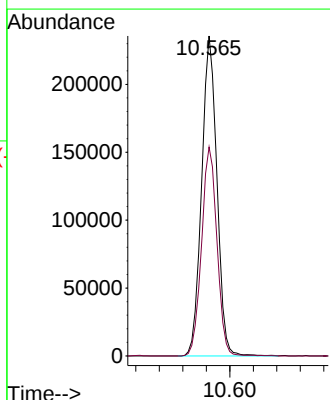
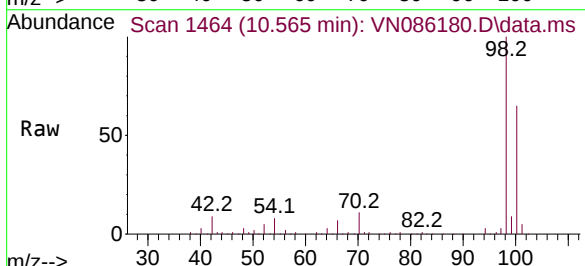
Acq: 31 Mar 2025 19:27

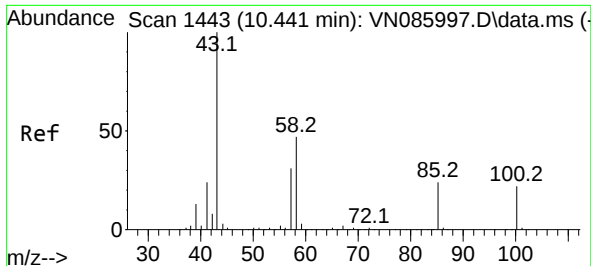
Tgt Ion: 98 Resp: 425361

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7

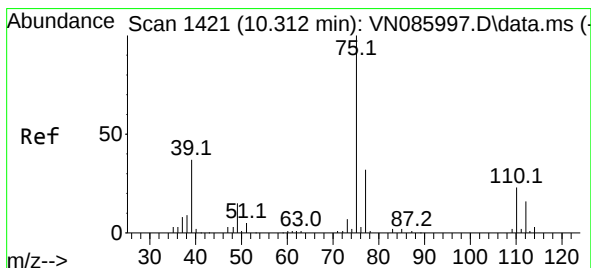
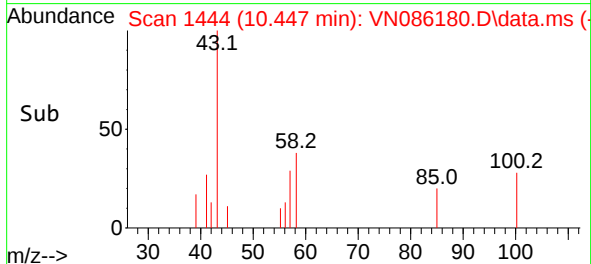
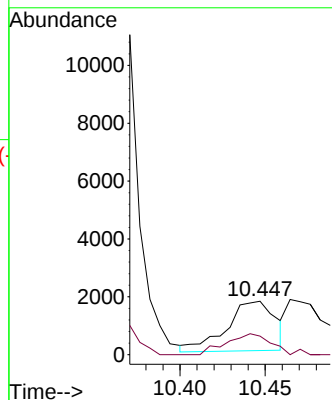
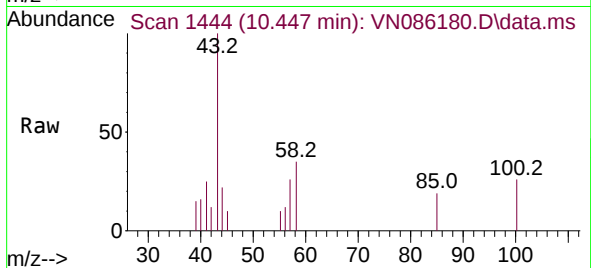




#51
4-Methyl-2-Pentanone
Concen: 1.387 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

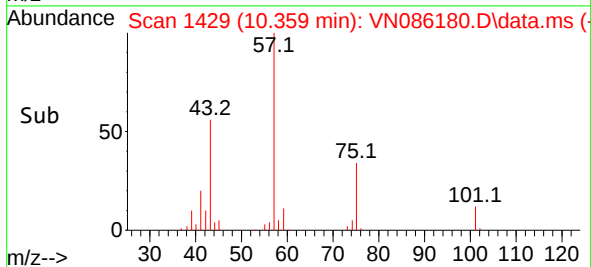
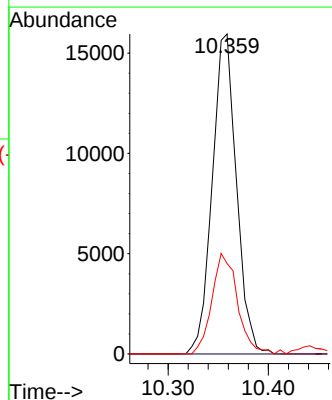
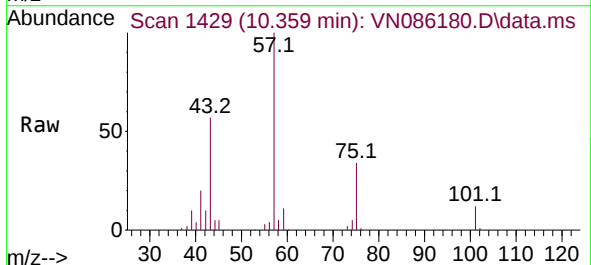
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#04

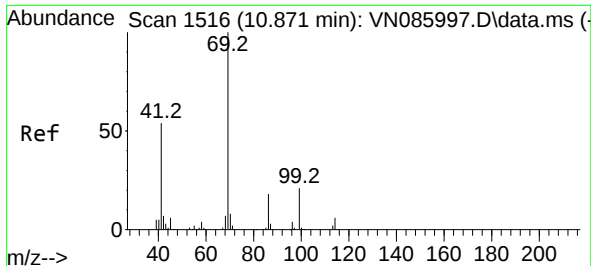
Tgt Ion: 43 Resp: 3408
Ion Ratio Lower Upper
43 100
58 40.2 37.4 56.0



#54
cis-1,3-Dichloropropene
Concen: 7.283 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

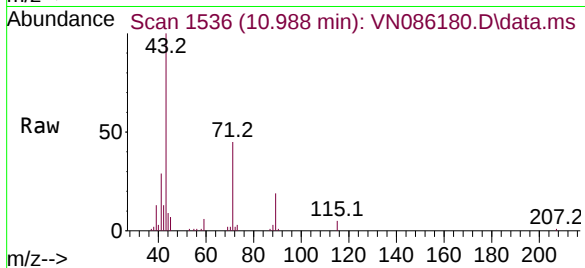
Tgt Ion: 75 Resp: 26691
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 28.3 29.6 44.4#



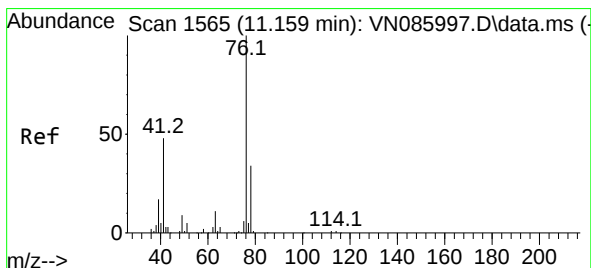
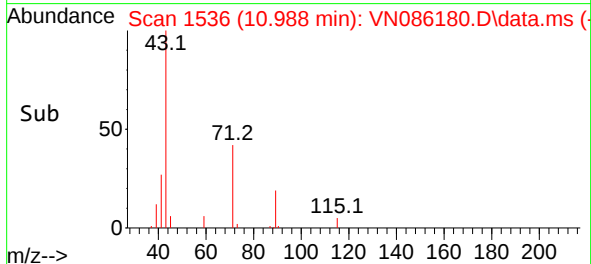
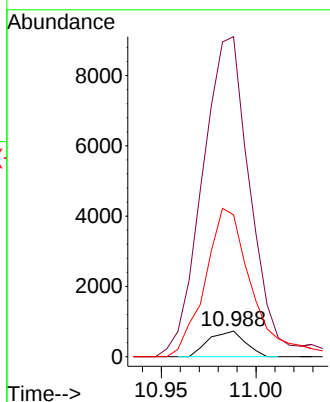


#56
Ethyl methacrylate
Concen: 0.534 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.117 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#04

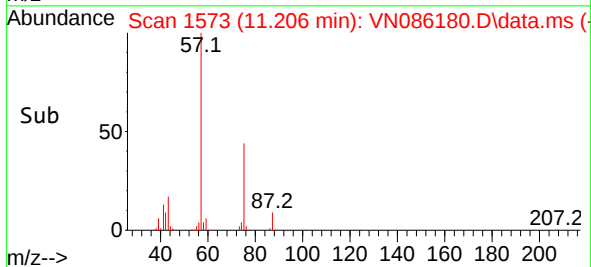
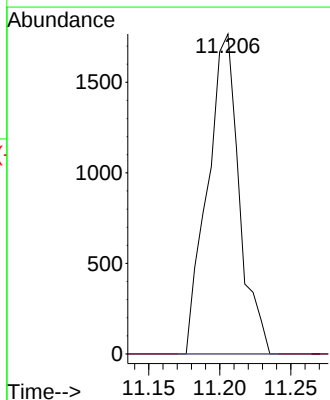
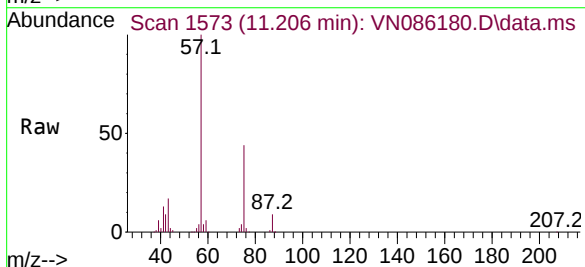


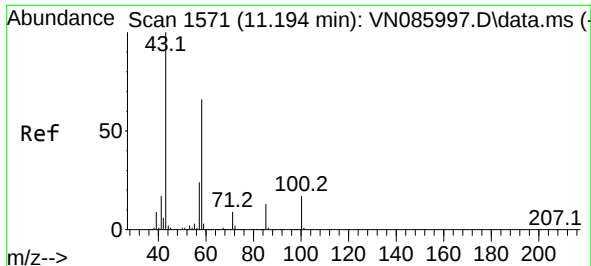
Tgt Ion: 69 Resp: 979
Ion Ratio Lower Upper
69 100
41 1657.0 41.6 62.4#
39 740.0 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 0.720 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.047 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

Tgt Ion: 76 Resp: 2742
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

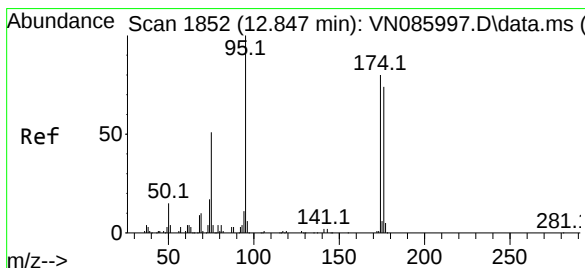
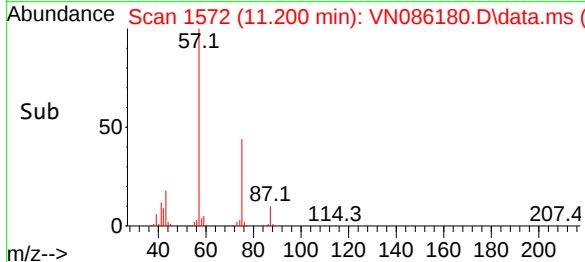
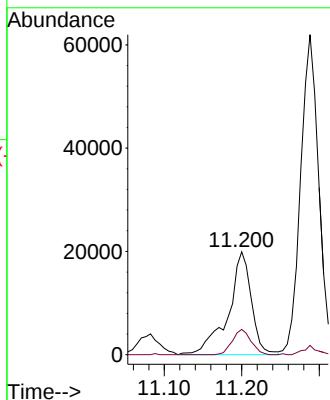
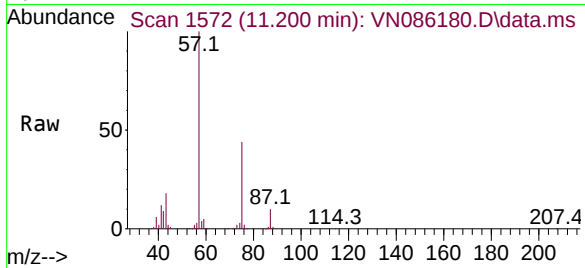




#59
2-Hexanone
Concen: 23.156 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

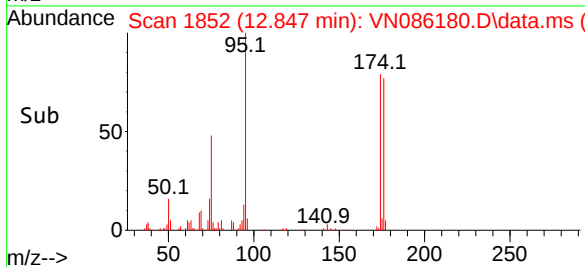
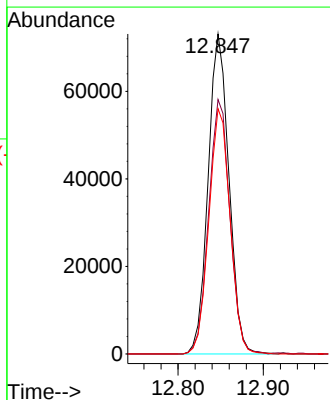
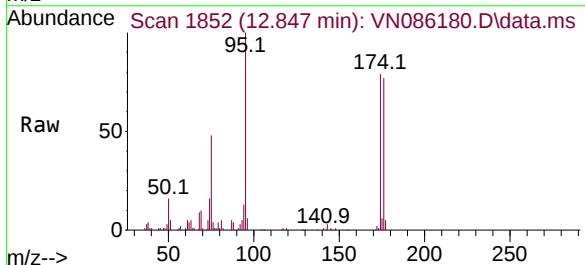
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#04

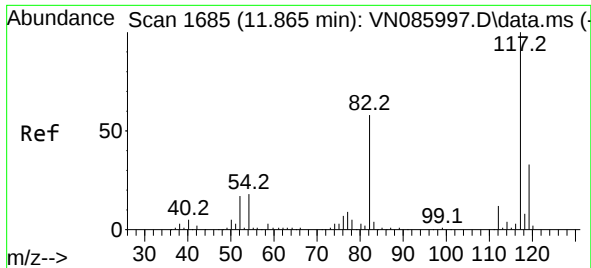
Tgt Ion: 43 Resp: 41453
Ion Ratio Lower Upper
43 100
58 19.6 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 41.376 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

Tgt Ion: 95 Resp: 123959
Ion Ratio Lower Upper
95 100
174 81.1 0.0 156.8
176 78.2 0.0 152.2

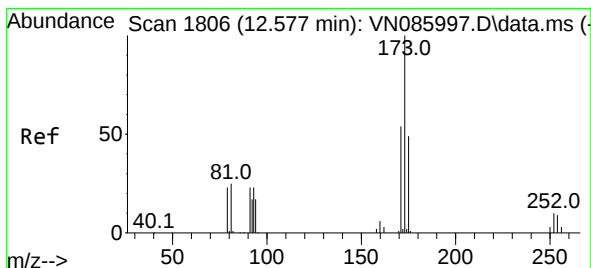
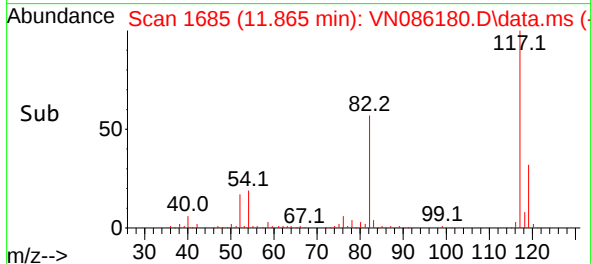
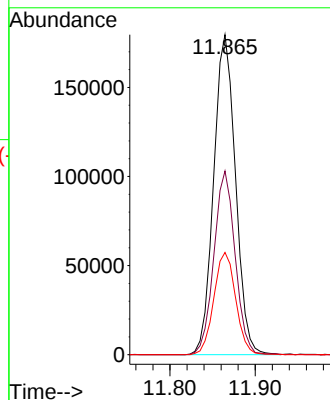
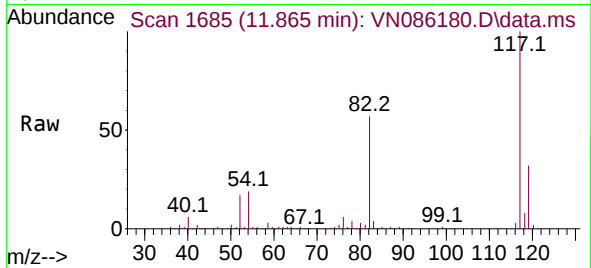




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

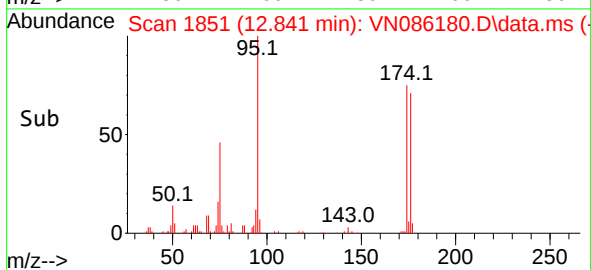
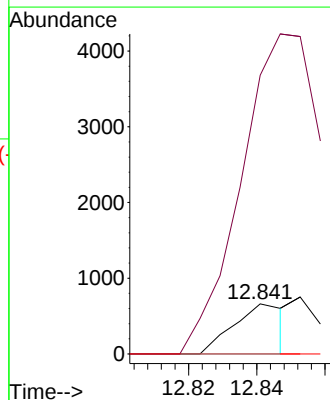
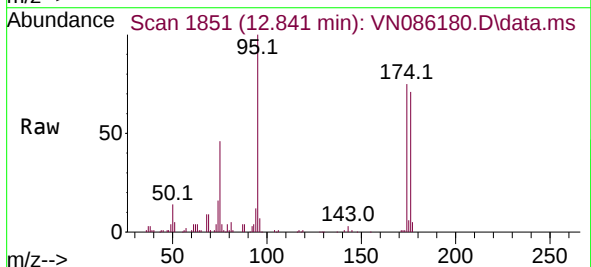
Instrument :
MSVOA_N
ClientSampleId :
PB167374ZHE#04

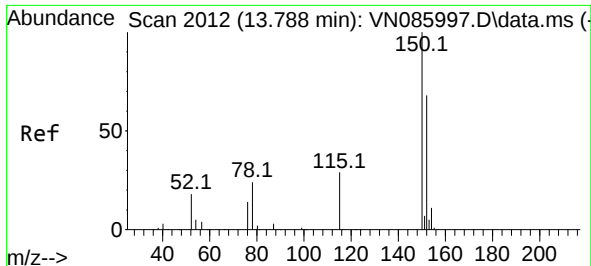
Tgt Ion:117 Resp: 319378
Ion Ratio Lower Upper
117 100
82 57.4 46.7 70.1
119 32.0 26.5 39.7



#71
Bromoform
Concen: 0.303 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.264 min
Lab File: VN086180.D
Acq: 31 Mar 2025 19:27

Tgt Ion:173 Resp: 689
Ion Ratio Lower Upper
173 100
175 809.1 24.3 73.0#
254 0.0 0.0 0.0

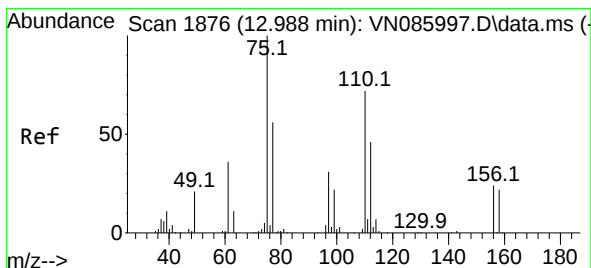
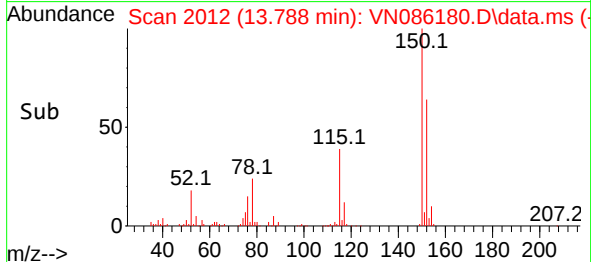
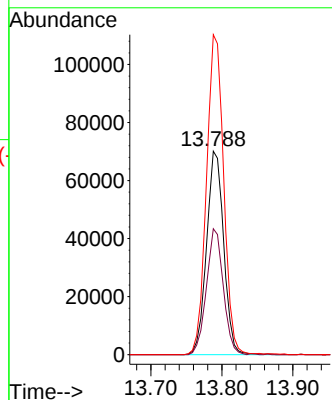
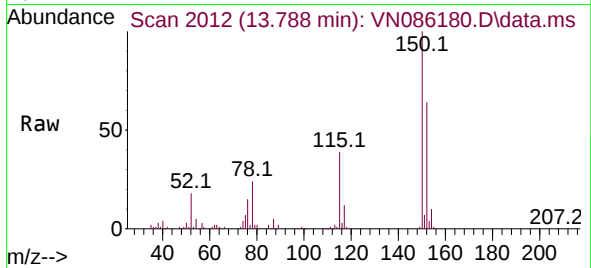




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086180.D
 Acq: 31 Mar 2025 19:27

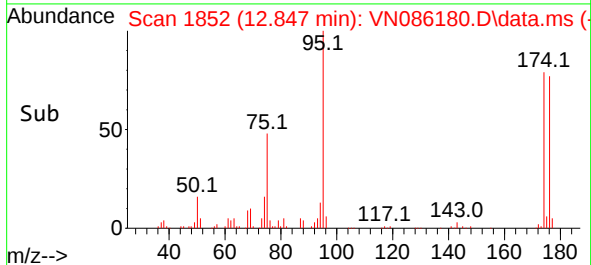
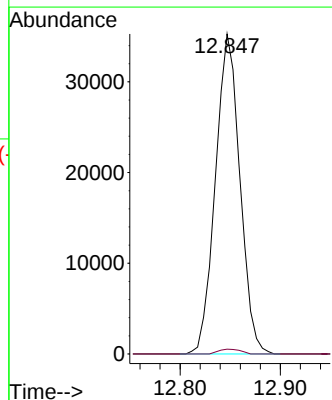
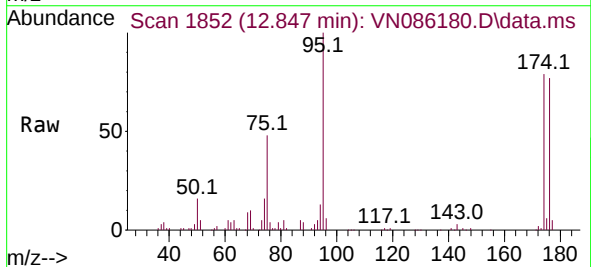
Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#04

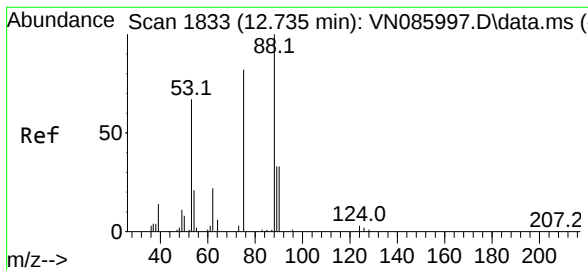
Tgt Ion:152 Resp: 117711
 Ion Ratio Lower Upper
 152 100
 115 60.8 31.1 93.2
 150 158.3 0.0 359.6



#76
 1,2,3-Trichloropropane
 Concen: 22.717 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086180.D
 Acq: 31 Mar 2025 19:27

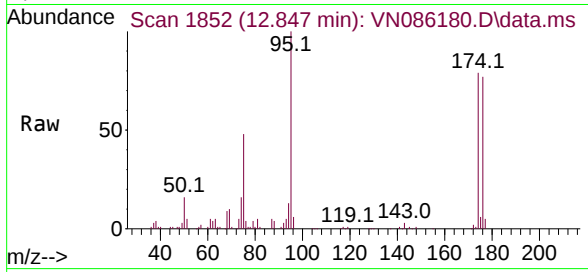
Tgt Ion: 75 Resp: 59867
 Ion Ratio Lower Upper
 75 100
 77 1.3 83.7 251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.060 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086180.D
 Acq: 31 Mar 2025 19:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167374ZHE#04



Tgt Ion:	75	Resp:	59867
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.0	99.0#
89	0.1	36.9	55.3#

