

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086183.D
 Acq On : 31 Mar 2025 20:40
 Operator : JC\MD
 Sample : Q1672-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

Quant Time: Apr 01 01:40:36 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

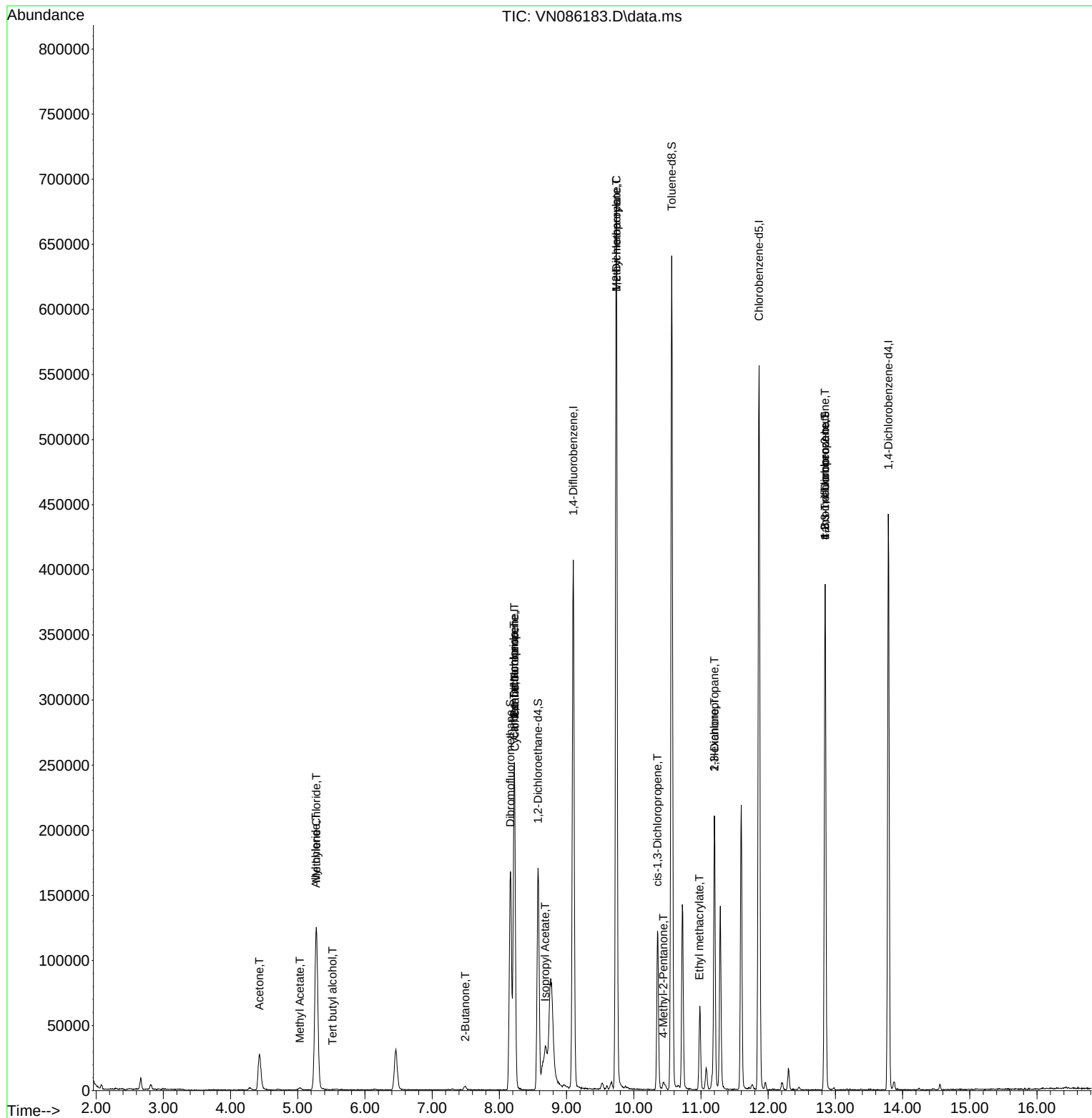
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	181883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	353858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	334146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	140329	56.344	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.680%
35) Dibromofluoromethane	8.165	113	122533	49.611	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.220%
50) Toluene-d8	10.565	98	449770	50.175	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.360%
62) 4-Bromofluorobenzene	12.847	95	135691	42.446	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	84.900%
Target Compounds						Qvalue
11) Tert butyl alcohol	5.518	59	122	0.346	ug/l #	73
14) Allyl chloride	5.271	41	2916	1.254	ug/l #	20
16) Acetone	4.430	43	51268	67.378	ug/l	99
18) Methyl Acetate	5.030	43	3355	1.782	ug/l #	83
20) Methylene Chloride	5.277	84	105093	47.213	ug/l	96
25) 2-Butanone	7.494	43	5641	5.138	ug/l #	84
31) Cyclohexane	8.229	56	3361	1.083	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14892	4.579	ug/l #	49
38) Carbon Tetrachloride	8.218	117	19278	4.508	ug/l #	18
43) Isopropyl Acetate	8.682	43	46840	7.878	ug/l #	62
45) 1,2-Dichloropropane	9.741	63	784	0.338	ug/l #	44
48) Methyl methacrylate	9.741	41	58922	30.032	ug/l #	31
51) 4-Methyl-2-Pentanone	10.441	43	3583	1.366	ug/l	93
54) cis-1,3-Dichloropropene	10.353	75	22899	5.855	ug/l #	69
56) Ethyl methacrylate	10.976	69	615	0.391	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2091	0.515	ug/l #	42
59) 2-Hexanone	11.200	43	32968	17.259	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	66448	23.740	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66448	62.765	ug/l #	16

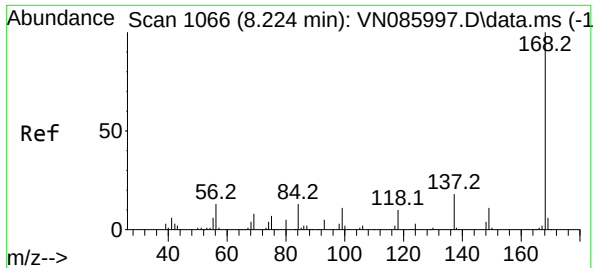
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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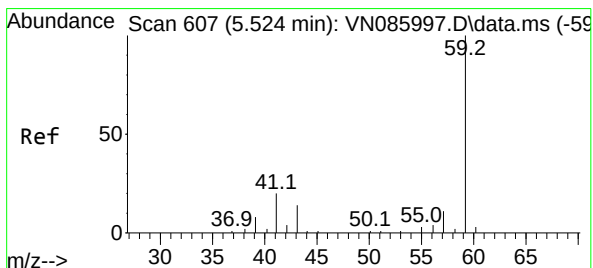
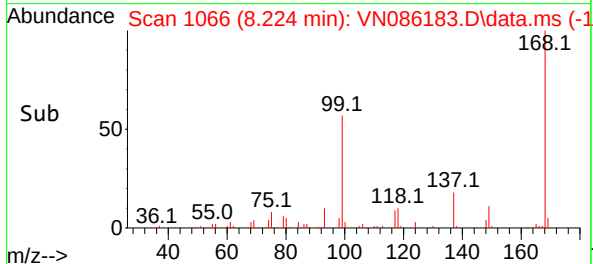
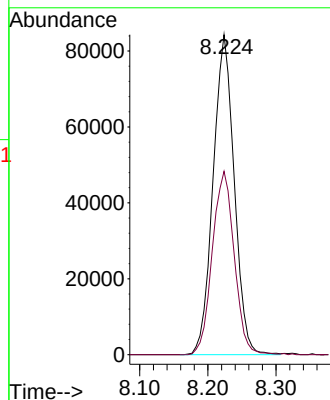
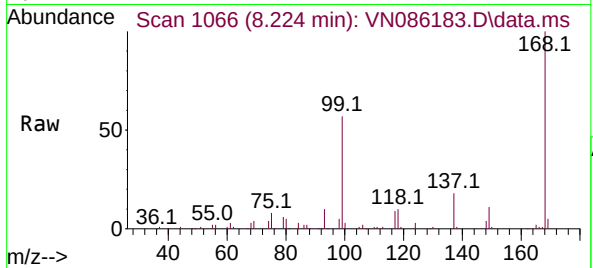




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086183.D
Acq: 31 Mar 2025 20:40

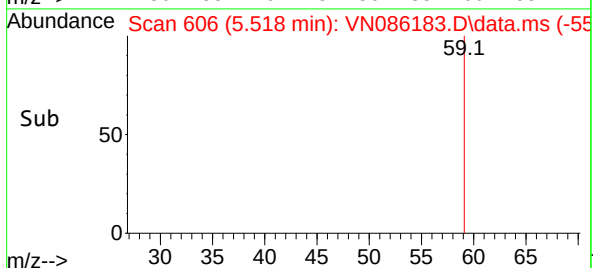
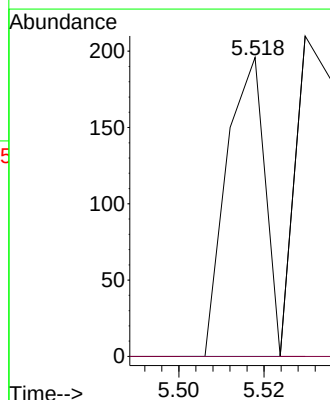
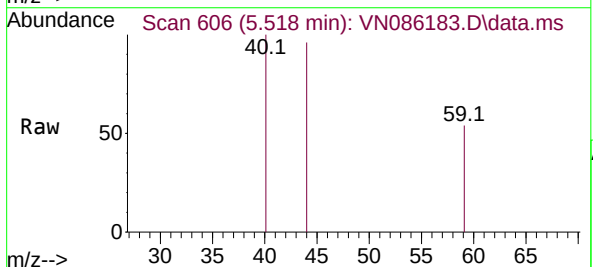
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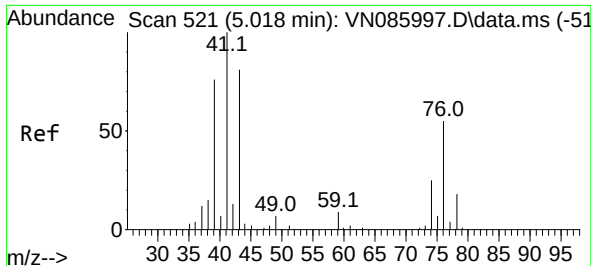
Tgt Ion:168 Resp: 181883
Ion Ratio Lower Upper
168 100
99 57.3 49.4 74.2



#11
Tert butyl alcohol
Concen: 0.346 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN086183.D
Acq: 31 Mar 2025 20:40

Tgt Ion: 59 Resp: 122
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

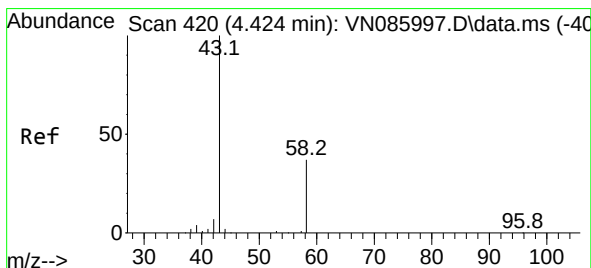
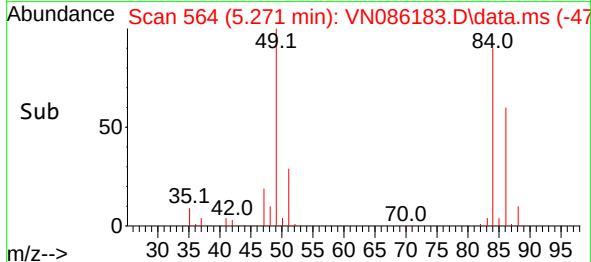
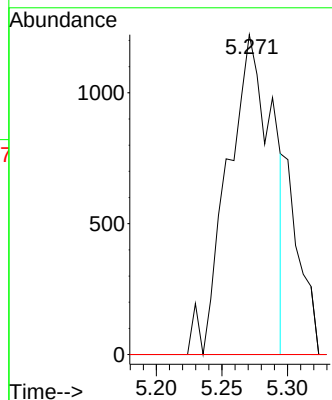
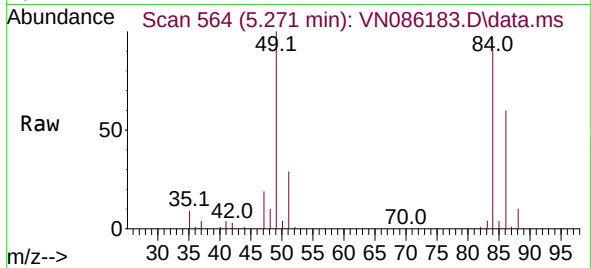




#14
 Allyl chloride
 Concen: 1.254 ug/l
 RT: 5.271 min Scan# 501
 Delta R.T. 0.253 min
 Lab File: VN086183.D
 Acq: 31 Mar 2025 20:40

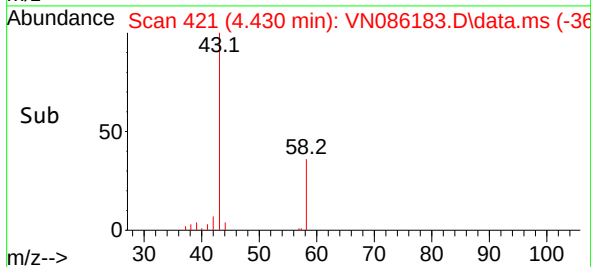
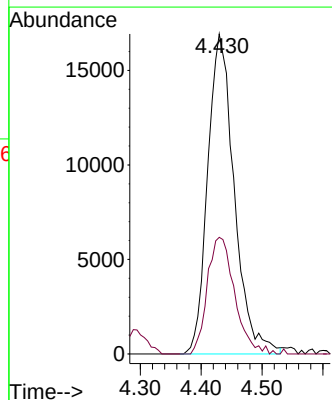
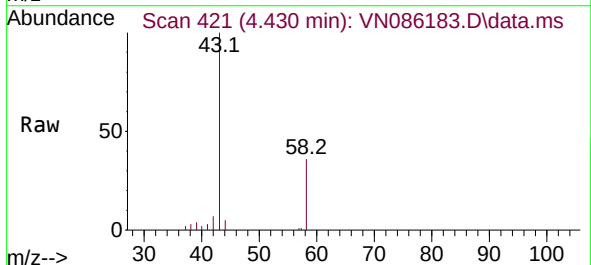
Instrument :
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 ClientSampleId :
 TP-8

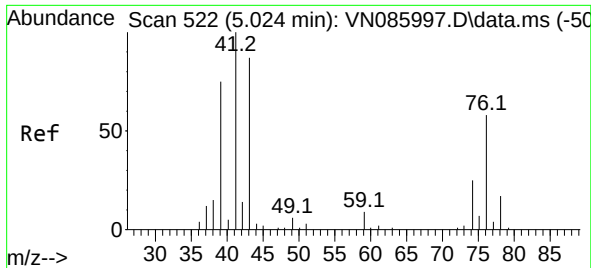
Tgt Ion: 41 Resp: 2916
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.5 83.3#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 67.378 ug/l
 RT: 4.430 min Scan# 421
 Delta R.T. 0.006 min
 Lab File: VN086183.D
 Acq: 31 Mar 2025 20:40

Tgt Ion: 43 Resp: 51268
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.4 44.2

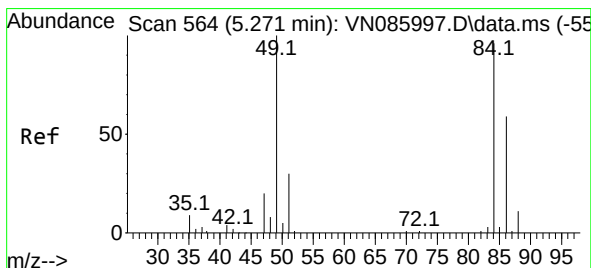
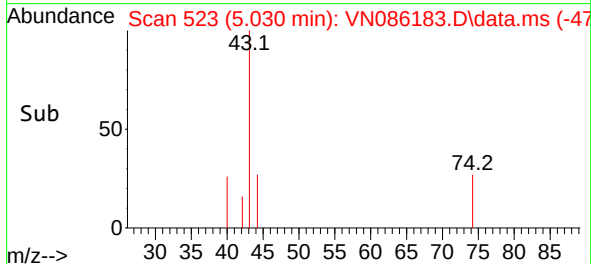
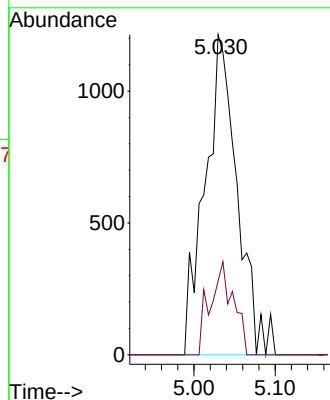
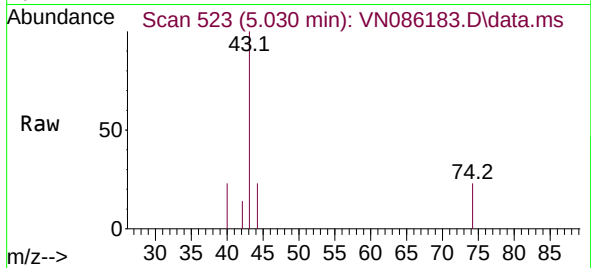




#18
Methyl Acetate
Concen: 1.782 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086183.D
Acq: 31 Mar 2025 20:40

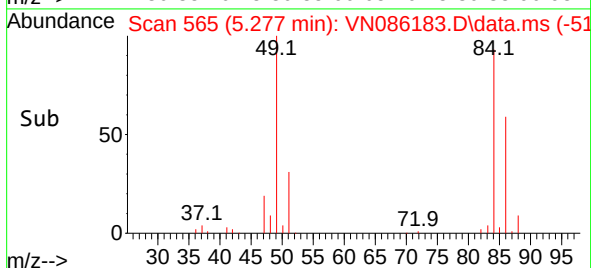
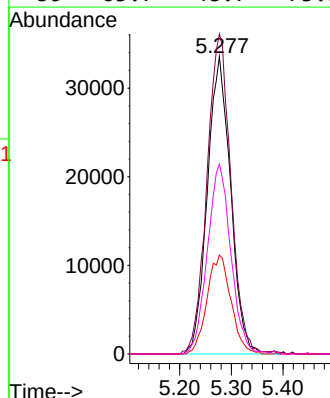
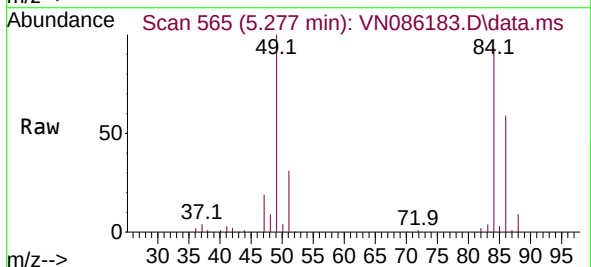
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MSVOA_N
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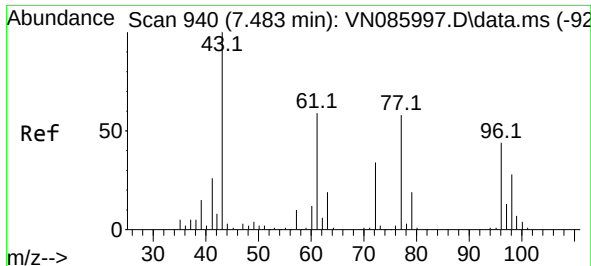
Tgt Ion: 43 Resp: 3355
Ion Ratio Lower Upper
43 100
74 20.9 23.9 35.9#



#20
Methylene Chloride
Concen: 47.213 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086183.D
Acq: 31 Mar 2025 20:40

Tgt Ion: 84 Resp: 105093
Ion Ratio Lower Upper
84 100
49 107.5 83.3 124.9
51 33.2 24.8 37.2
86 63.7 48.7 73.1

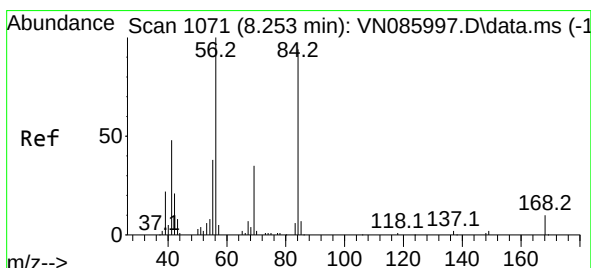
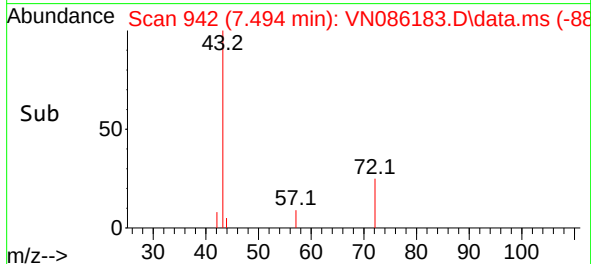
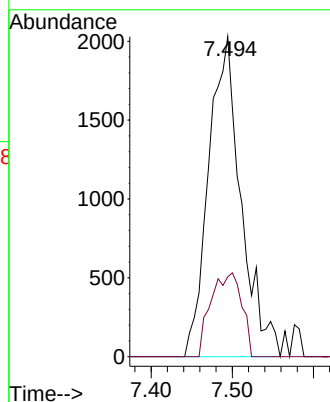
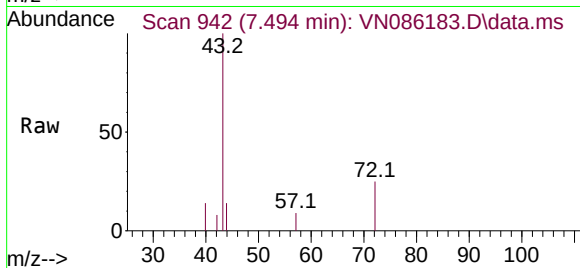




#25
2-Butanone
Concen: 5.138 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN086183.D
Acq: 31 Mar 2025 20:40

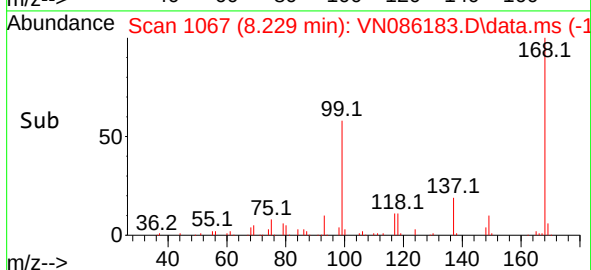
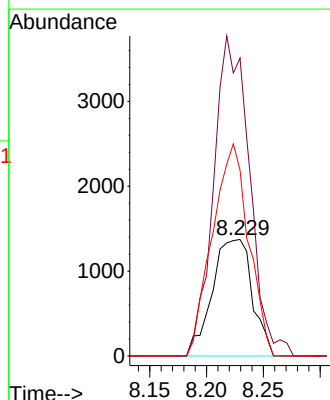
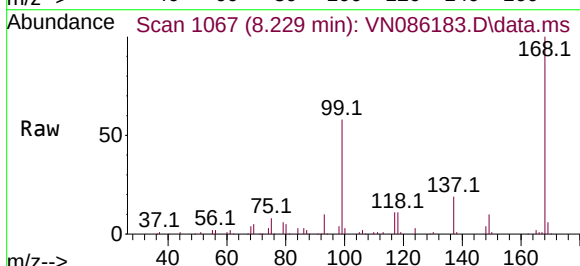
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MSVOA_N
ClientSampleId :
TP-8

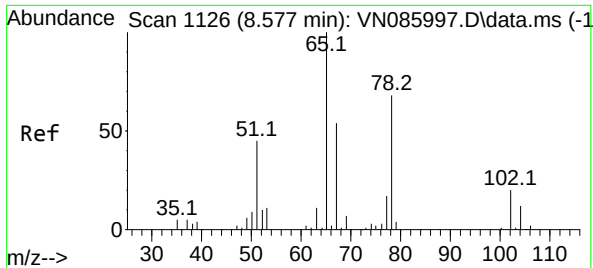
Tgt Ion: 43 Resp: 5641
Ion Ratio Lower Upper
43 100
72 24.9 27.4 41.0#



#31
Cyclohexane
Concen: 1.083 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN086183.D
Acq: 31 Mar 2025 20:40

Tgt Ion: 56 Resp: 3361
Ion Ratio Lower Upper
56 100
69 255.6 28.0 42.0#
84 159.6 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 56.344 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086183.D

Acq: 31 Mar 2025 20:40

Instrument :

MSVOA_N

ClientSampleId :

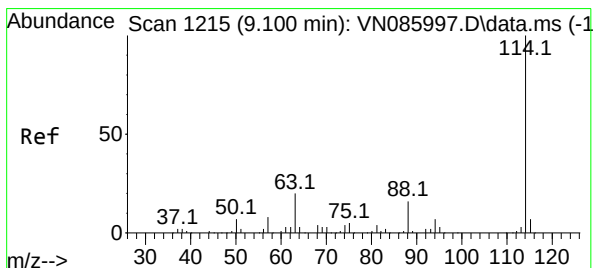
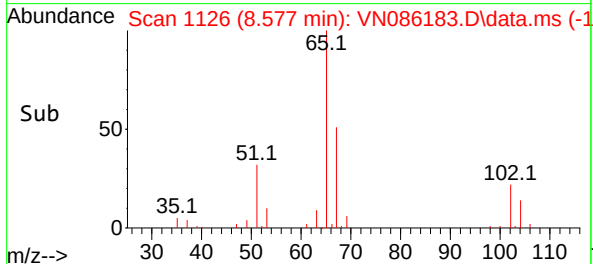
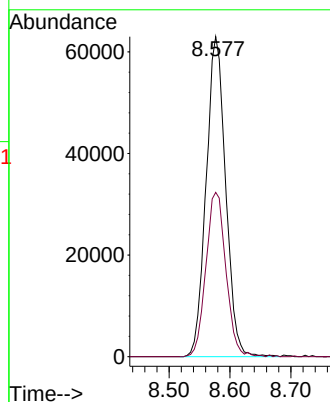
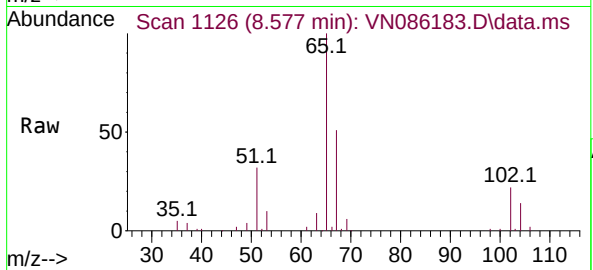
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Tgt Ion: 65 Resp: 140329

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086183.D

Acq: 31 Mar 2025 20:40

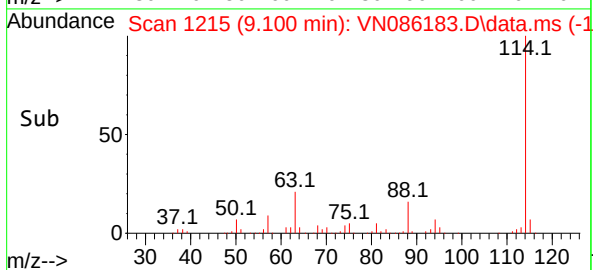
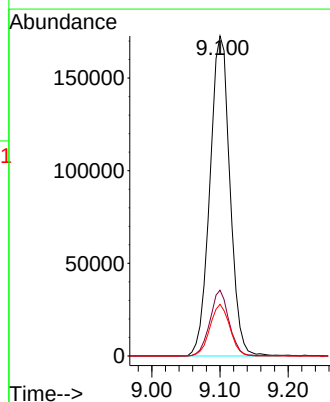
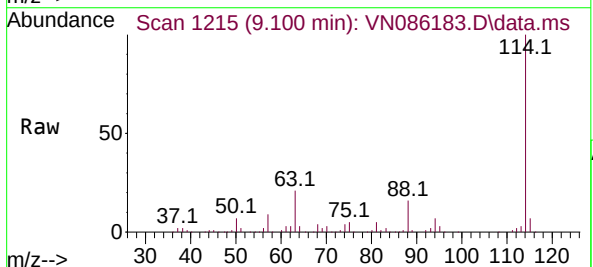
Tgt Ion: 114 Resp: 353858

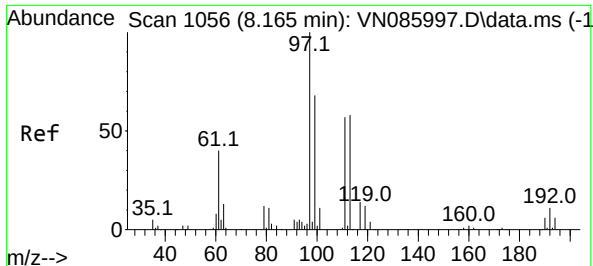
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

88 16.1 0.0 32.6

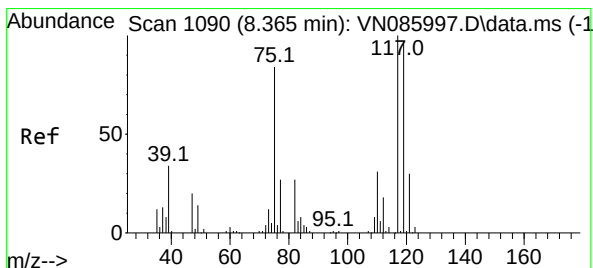
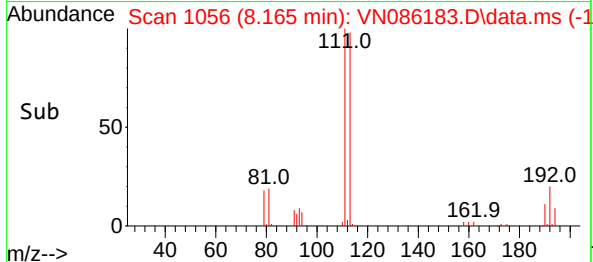
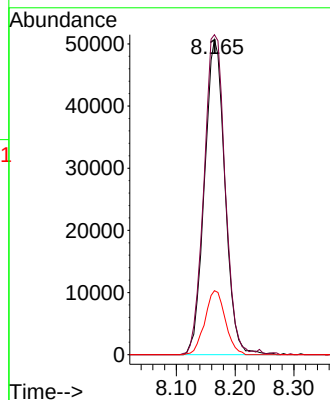
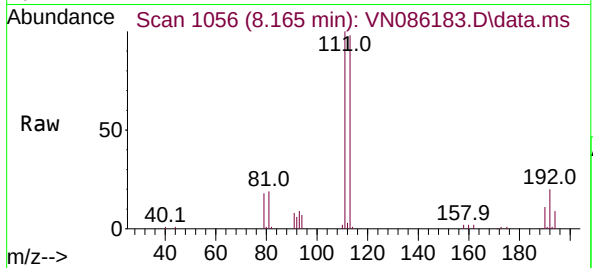




#35
Dibromofluoromethane
Concen: 49.611 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086183.D
Acq: 31 Mar 2025 20:40

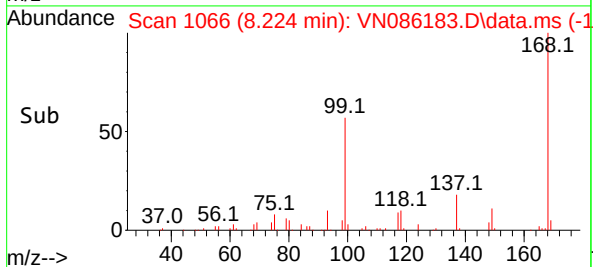
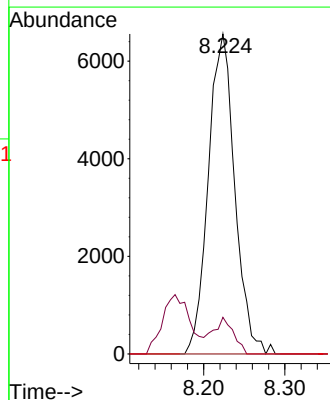
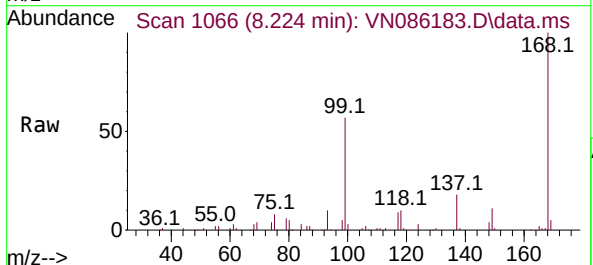
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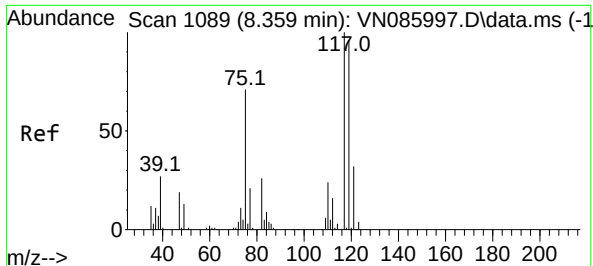
Tgt Ion:113 Resp: 122533
Ion Ratio Lower Upper
113 100
111 105.5 81.8 122.8
192 20.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.579 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN086183.D
Acq: 31 Mar 2025 20:40

Tgt Ion: 75 Resp: 14892
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.3#
77 0.0 25.0 37.4#

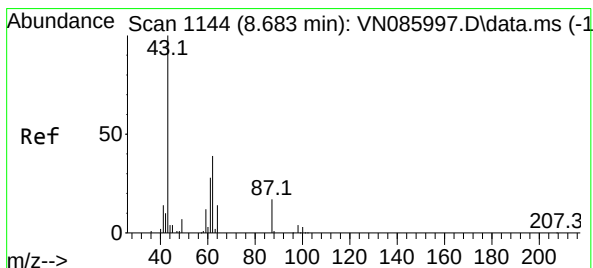
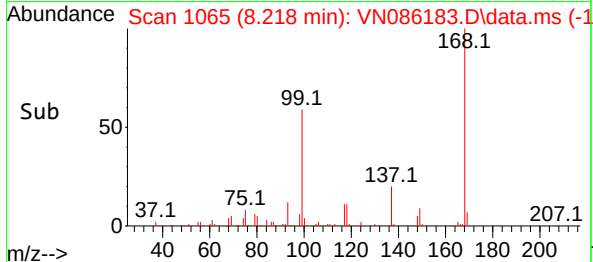
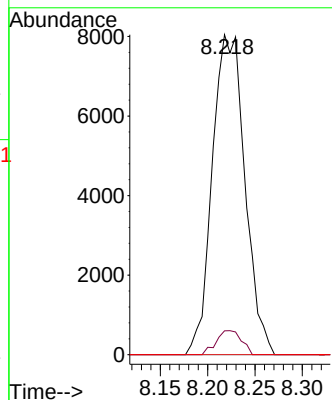
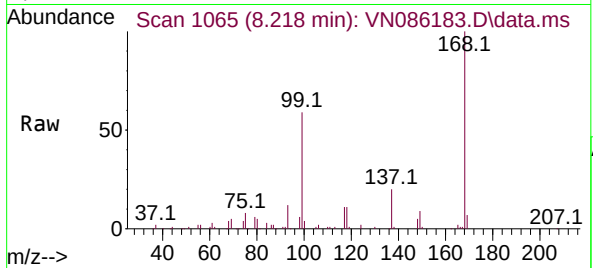




#38
Carbon Tetrachloride
Concen: 4.508 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086183.D
Acq: 31 Mar 2025 20:40

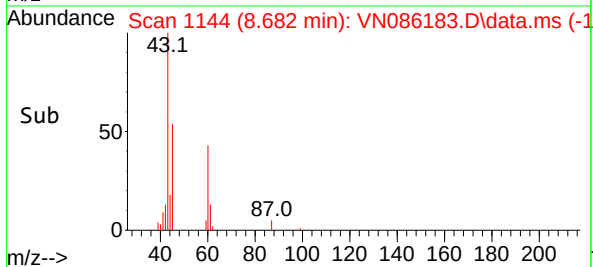
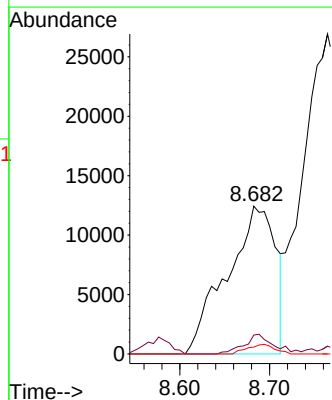
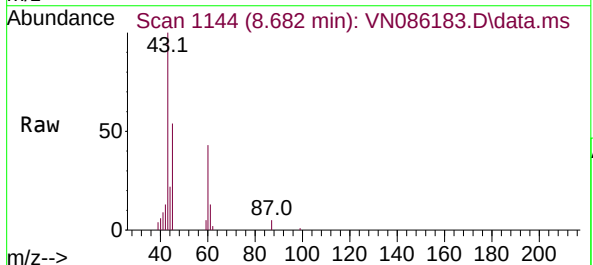
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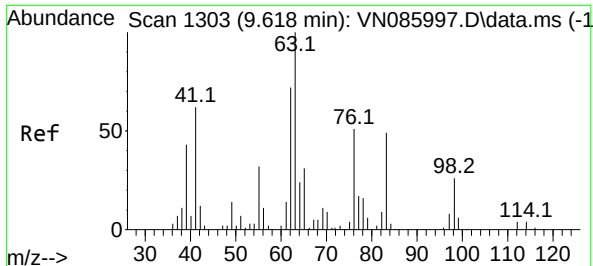
Tgt Ion:117 Resp: 19278
Ion Ratio Lower Upper
117 100
119 7.5 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 7.878 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086183.D
Acq: 31 Mar 2025 20:40

Tgt Ion: 43 Resp: 46840
Ion Ratio Lower Upper
43 100
61 8.1 25.0 37.6#
87 3.6 13.0 19.4#





#45

1,2-Dichloropropane

Concen: 0.338 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN086183.D

Acq: 31 Mar 2025 20:40

Instrument :

MSVOA_N

ClientSampleId :

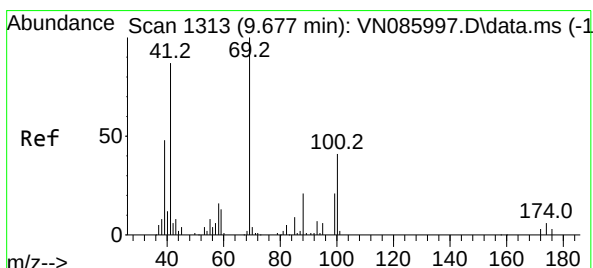
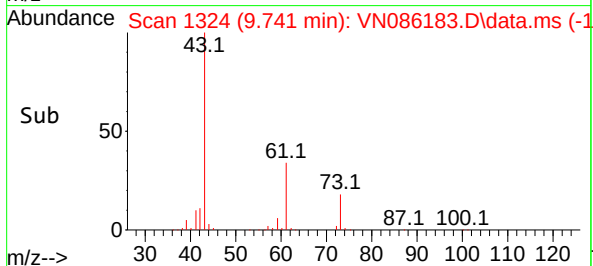
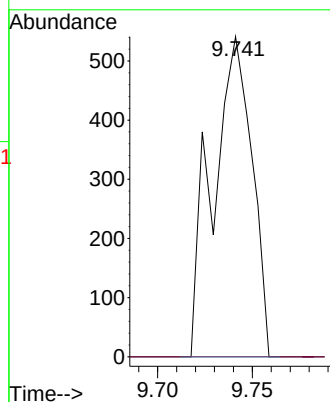
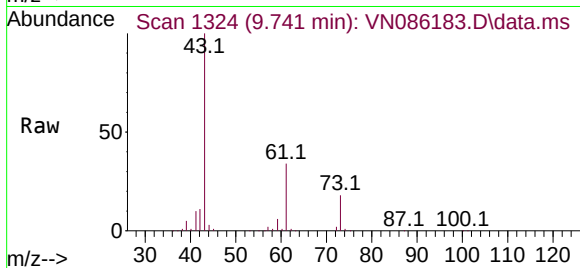
TP-8

Tgt Ion: 63 Resp: 784

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 30.032 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.064 min

Lab File: VN086183.D

Acq: 31 Mar 2025 20:40

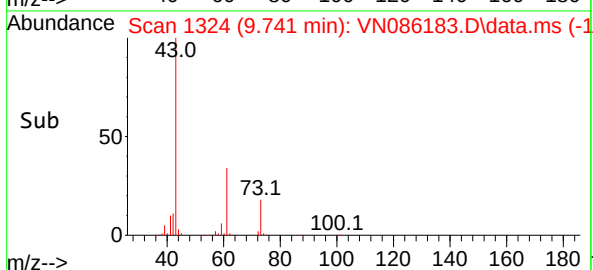
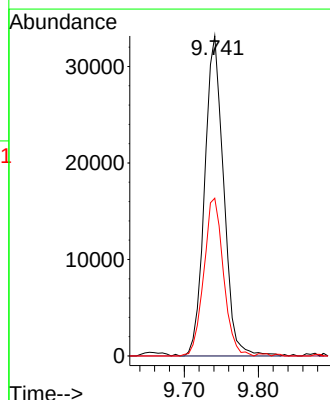
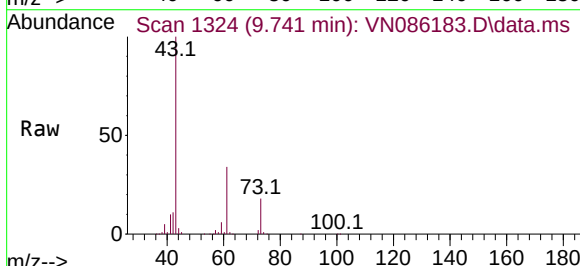
Tgt Ion: 41 Resp: 58922

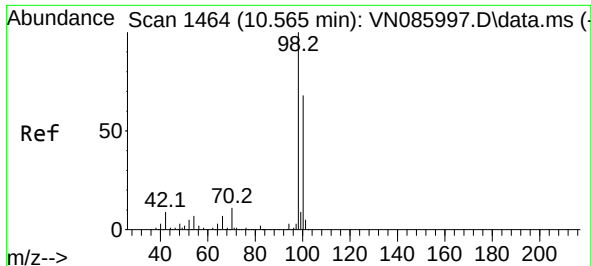
Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 51.0 45.6 68.4

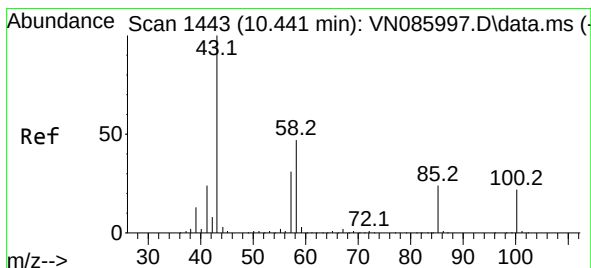
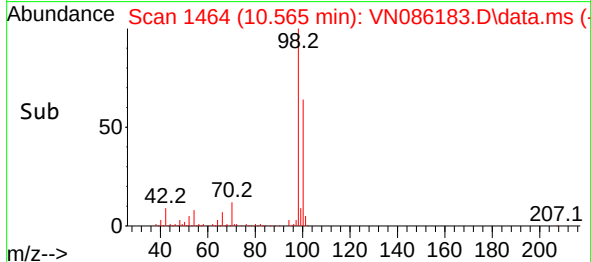
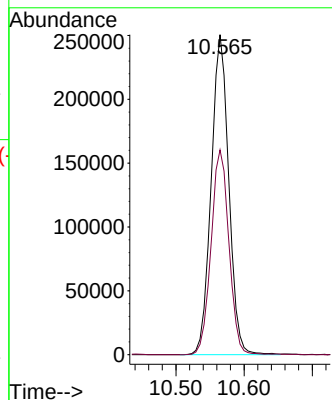
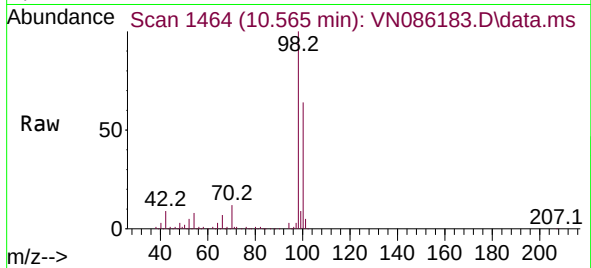




#50
Toluene-d8
Concen: 50.175 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086183.D
Acq: 31 Mar 2025 20:40

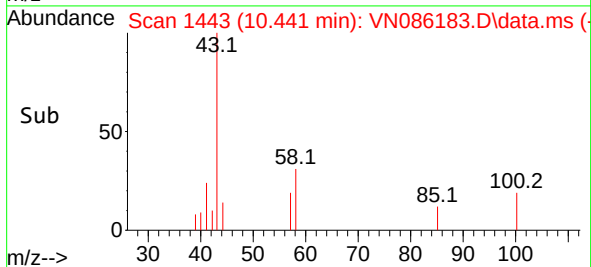
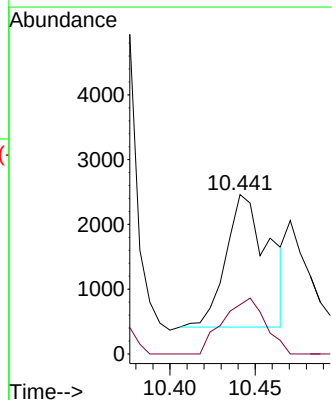
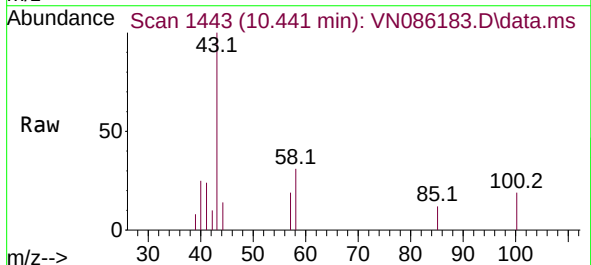
Instrument :
MSVOA_N
ClientSampleId :
TP-8

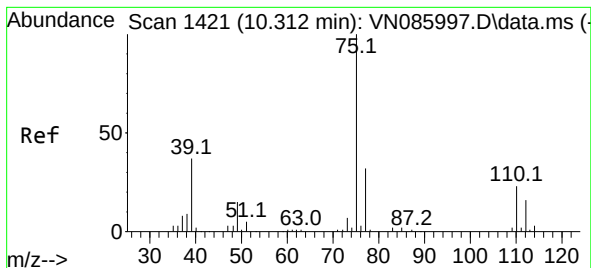
Tgt Ion: 98 Resp: 449770
Ion Ratio Lower Upper
98 100
100 65.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.366 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086183.D
Acq: 31 Mar 2025 20:40

Tgt Ion: 43 Resp: 3583
Ion Ratio Lower Upper
43 100
58 41.8 37.4 56.0

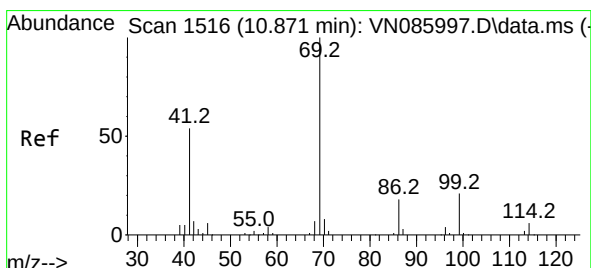
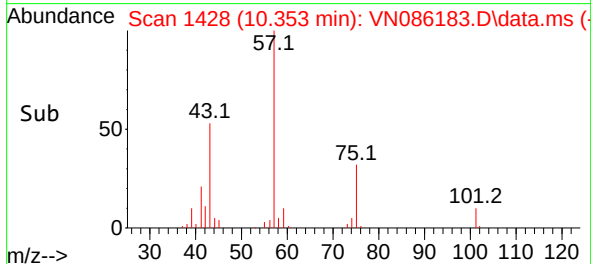
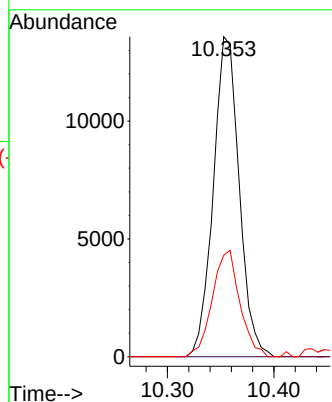
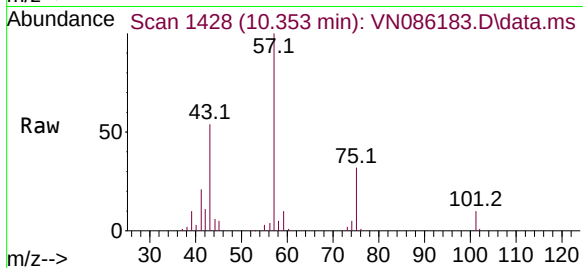




#54
 cis-1,3-Dichloropropene
 Concen: 5.855 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN086183.D
 Acq: 31 Mar 2025 20:40

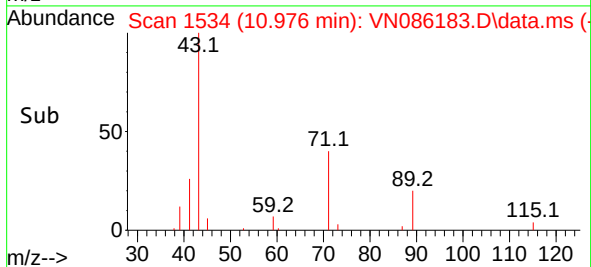
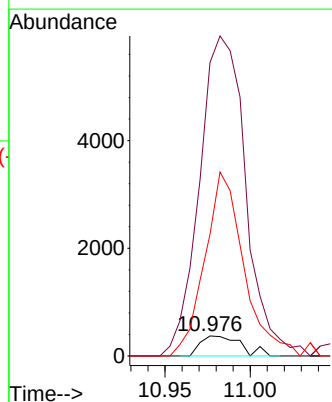
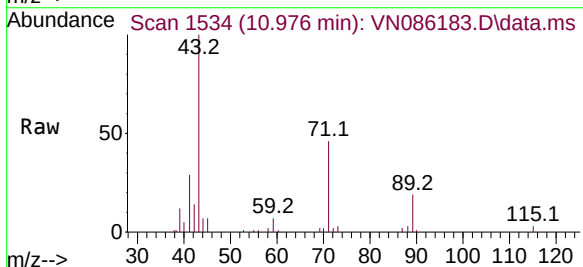
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

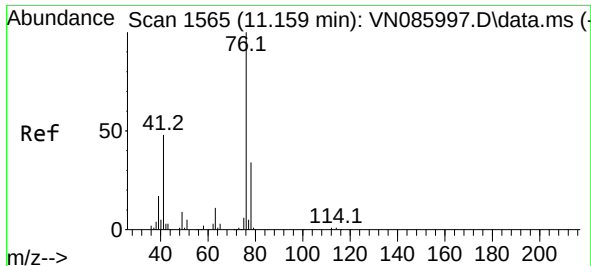
Tgt Ion: 75 Resp: 22899
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 31.7 29.6 44.4



#56
 Ethyl methacrylate
 Concen: 0.391 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.105 min
 Lab File: VN086183.D
 Acq: 31 Mar 2025 20:40

Tgt Ion: 69 Resp: 615
 Ion Ratio Lower Upper
 69 100
 41 1827.2 41.6 62.4#
 39 882.0 21.8 32.8#





#57

1,3-Dichloropropane

Concen: 0.515 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN086183.D

Acq: 31 Mar 2025 20:40

Instrument :

MSVOA_N

ClientSampleId :

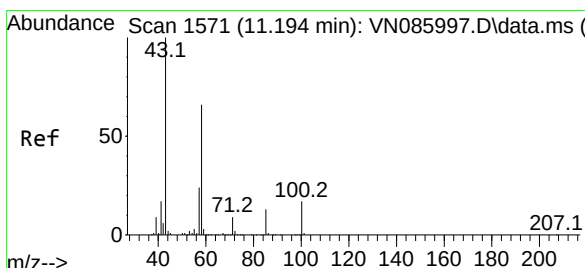
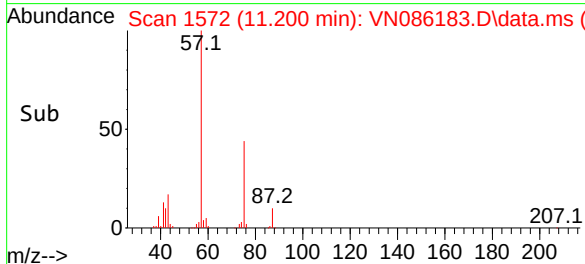
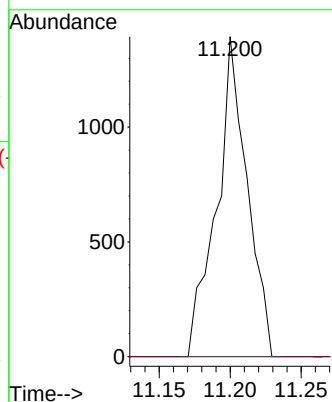
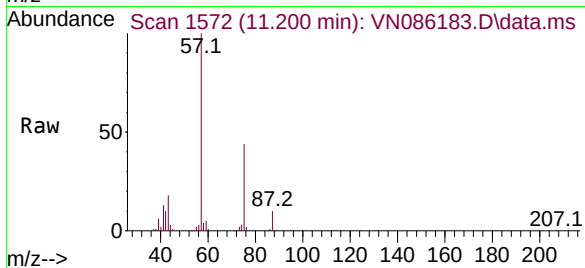
TP-8

Tgt Ion: 76 Resp: 2091

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 17.259 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN086183.D

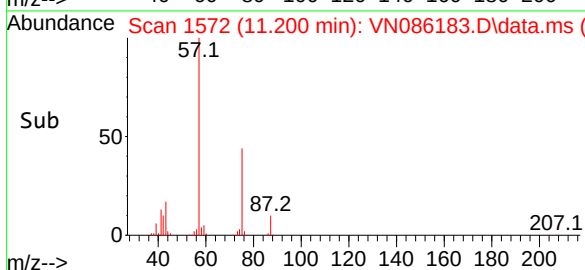
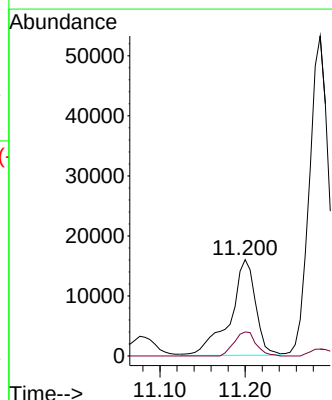
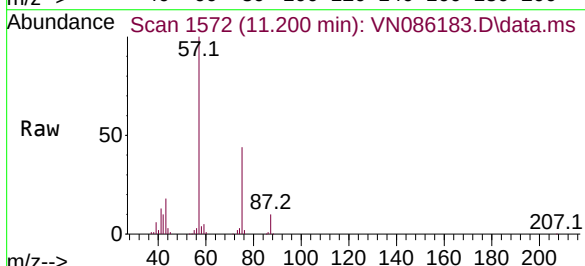
Acq: 31 Mar 2025 20:40

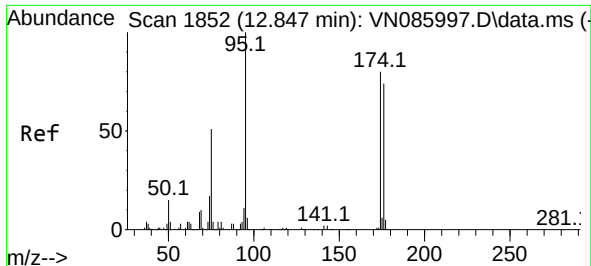
Tgt Ion: 43 Resp: 32968

Ion Ratio Lower Upper

43 100

58 21.8 32.4 97.2#

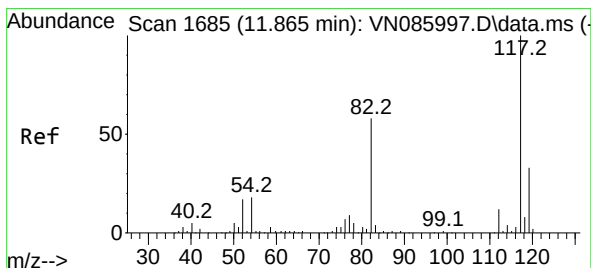
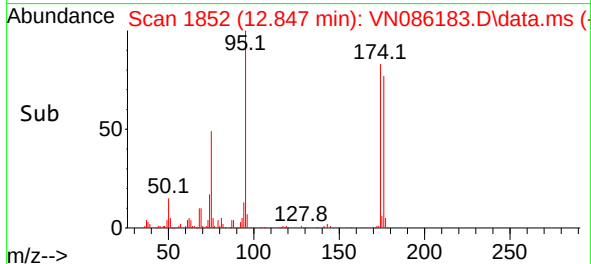
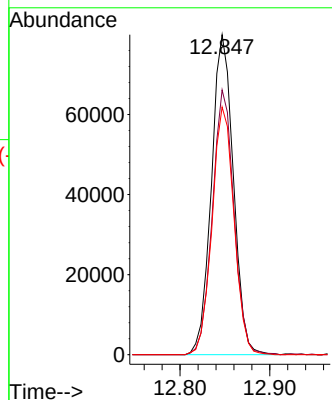
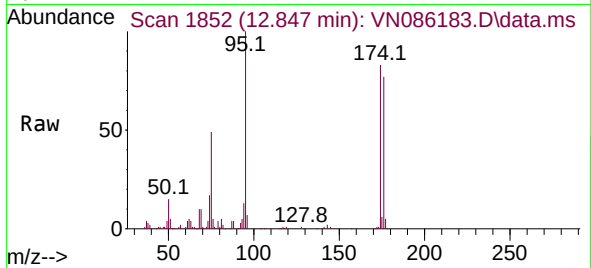




#62
4-Bromofluorobenzene
Concen: 42.446 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086183.D
Acq: 31 Mar 2025 20:40

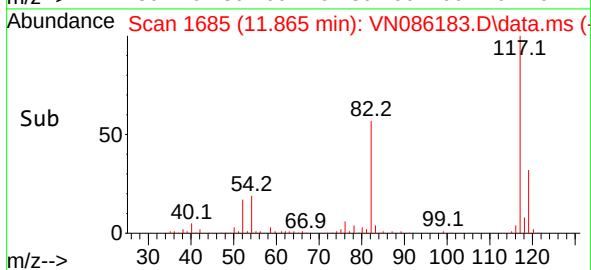
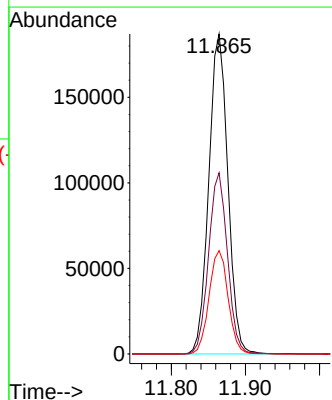
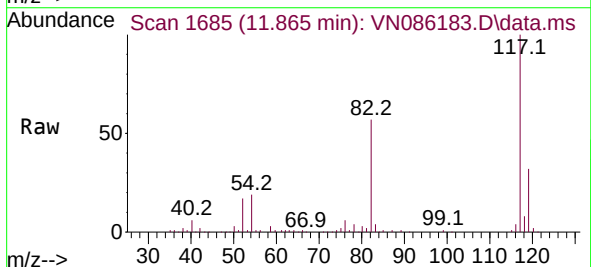
Instrument :
MSVOA_N
ClientSampleId :
TP-8

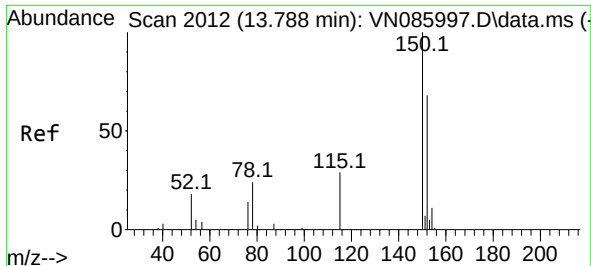
Tgt Ion: 95 Resp: 135691
Ion Ratio Lower Upper
95 100
174 81.5 0.0 156.8
176 77.3 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086183.D
Acq: 31 Mar 2025 20:40

Tgt Ion: 117 Resp: 334146
Ion Ratio Lower Upper
117 100
82 56.6 46.7 70.1
119 32.3 26.5 39.7

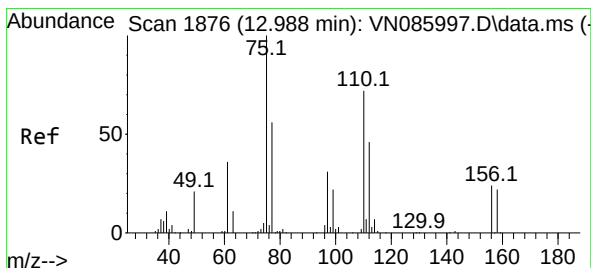
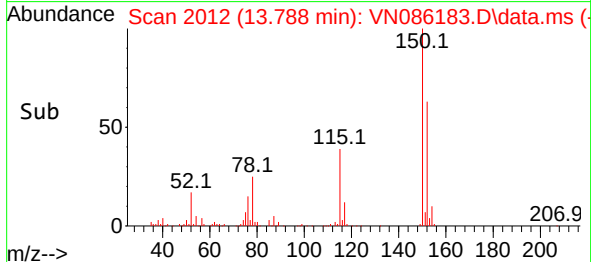
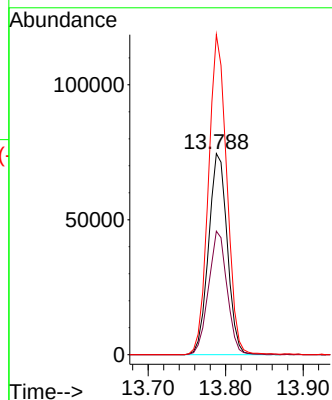
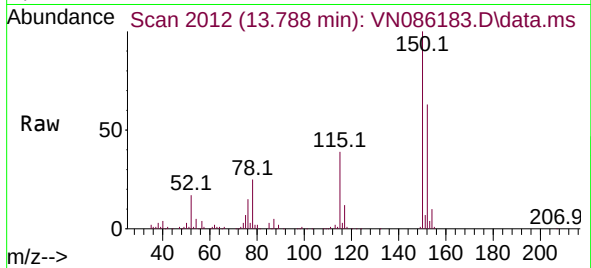




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086183.D
 Acq: 31 Mar 2025 20:40

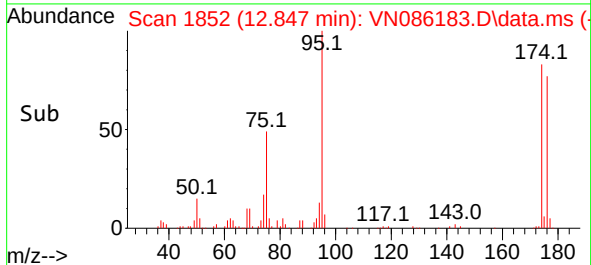
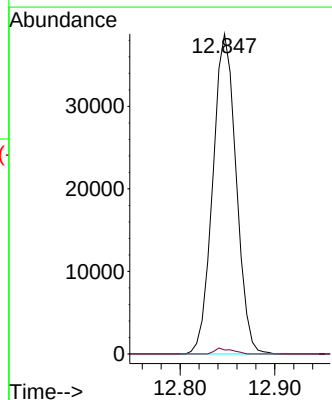
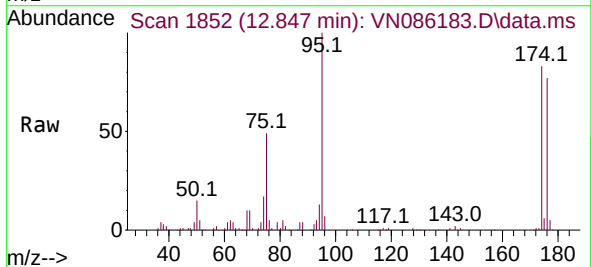
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

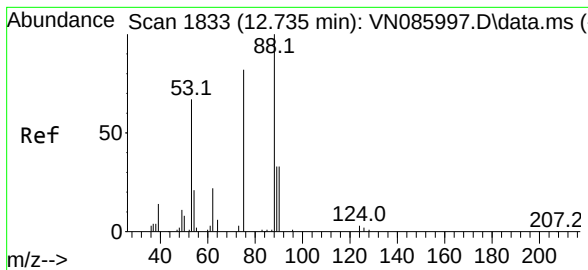
Tgt Ion:152 Resp: 125020
 Ion Ratio Lower Upper
 152 100
 115 60.7 31.1 93.2
 150 155.9 0.0 359.6



#76
 1,2,3-Trichloropropane
 Concen: 23.740 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086183.D
 Acq: 31 Mar 2025 20:40

Tgt Ion: 75 Resp: 66448
 Ion Ratio Lower Upper
 75 100
 77 1.3 83.7 251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.765 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086183.D
 Acq: 31 Mar 2025 20:40

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-8

Tgt Ion:	75	Resp:	66448
Ion	Ratio	Lower	Upper
75	100		
53	0.1	66.0	99.0#
89	0.0	36.9	55.3#

