

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086184.D
 Acq On : 31 Mar 2025 21:04
 Operator : JC\MD
 Sample : Q1674-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RT5358

Quant Time: Apr 01 01:40:51 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)

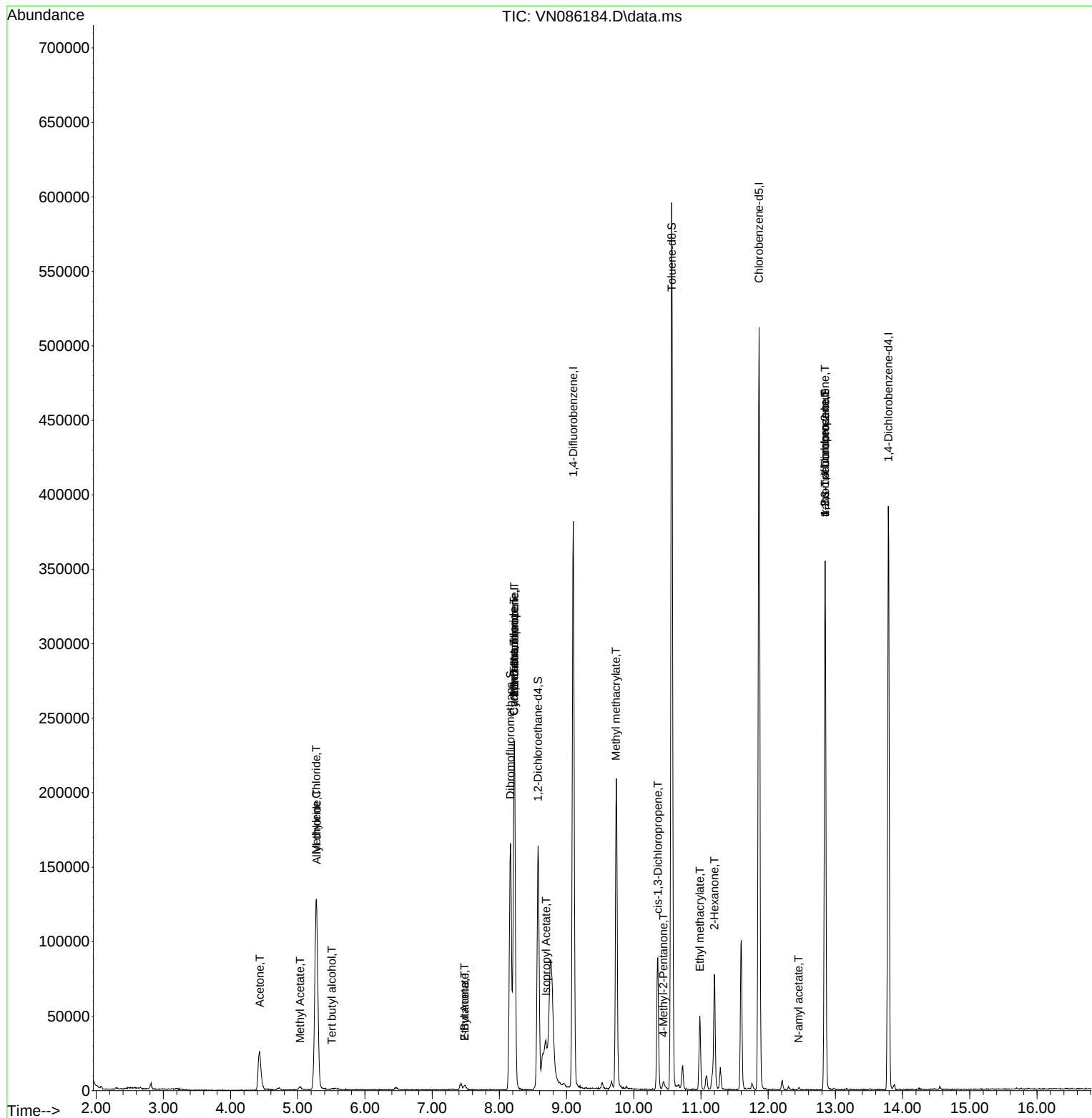
Internal Standards						
1) Pentafluorobenzene	8.224	168	168391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	332486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132677	57.539	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.080%			
35) Dibromofluoromethane	8.165	113	120041	51.726	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.460%			
50) Toluene-d8	10.565	98	415940	49.384	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.760%			
62) 4-Bromofluorobenzene	12.847	95	122296	40.715	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 81.420%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.506	59	641	1.963	ug/l #	73
14) Allyl chloride	5.283	41	2911	1.353	ug/l #	20
16) Acetone	4.436	43	49146	69.764	ug/l	98
18) Methyl Acetate	5.036	43	3667	2.104	ug/l #	63
20) Methylene Chloride	5.277	84	106507	51.681	ug/l	98
25) 2-Butanone	7.483	43	5039	4.957	ug/l	98
31) Cyclohexane	8.218	56	3268	1.137	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13299	4.352	ug/l #	49
37) Ethyl Acetate	7.483	43	5039	1.955	ug/l #	64
38) Carbon Tetrachloride	8.218	117	17806	4.432	ug/l #	17
43) Isopropyl Acetate	8.694	43	44265	7.924	ug/l #	58
48) Methyl methacrylate	9.735	41	20408	11.071	ug/l #	33
51) 4-Methyl-2-Pentanone	10.441	43	5776	2.344	ug/l #	64
54) cis-1,3-Dichloropropene	10.359	75	16984	4.622	ug/l #	69
56) Ethyl methacrylate	10.982	69	459	0.349	ug/l #	1
59) 2-Hexanone	11.200	43	9802	5.461	ug/l #	55
74) N-amyl acetate	12.453	43	1303	0.505	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	61375	24.269	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61375	64.162	ug/l #	16

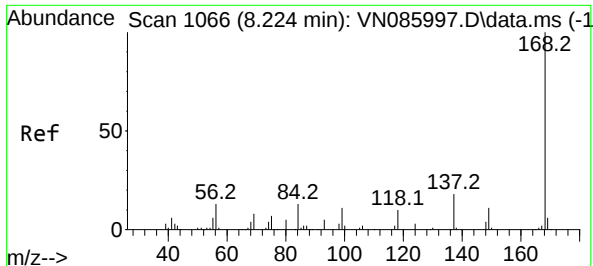
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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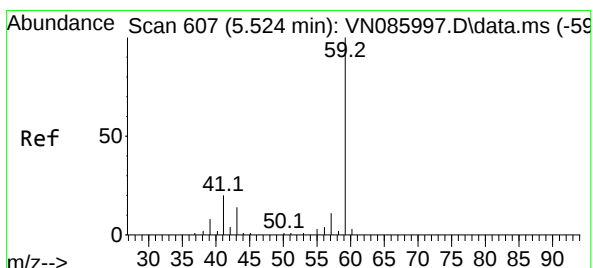
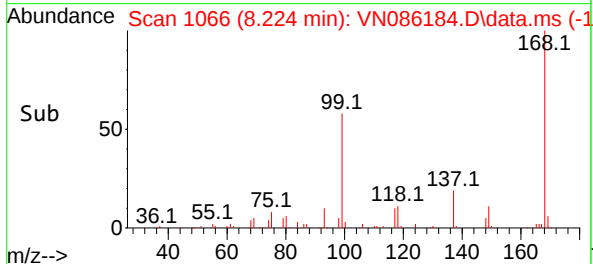
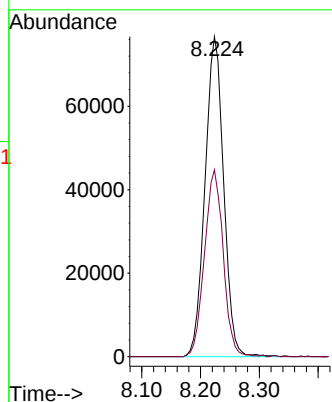
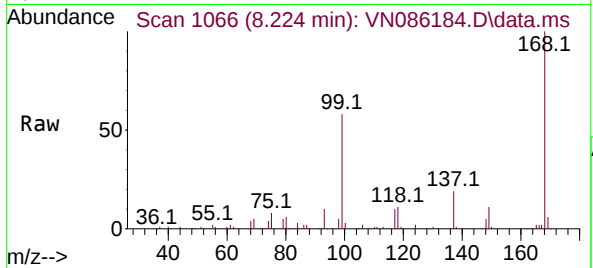




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

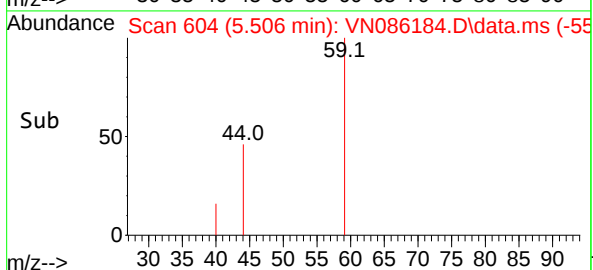
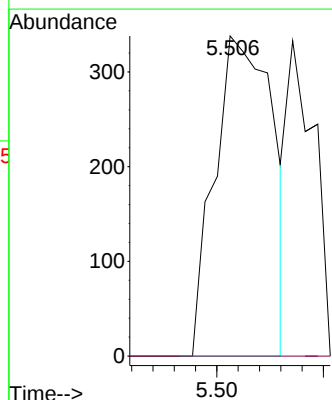
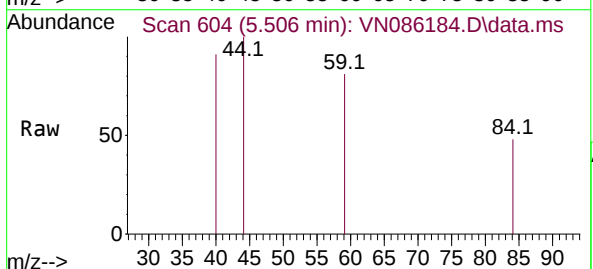
Instrument :
MSVOA_N
ClientSampleId :
RT5358

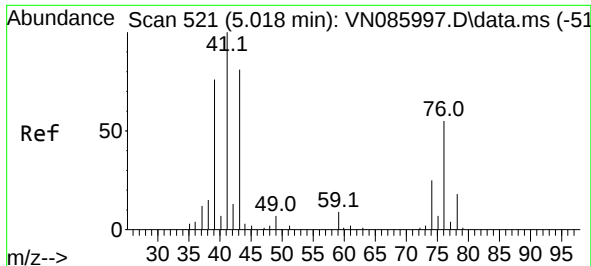
Tgt Ion:168 Resp: 168391
Ion Ratio Lower Upper
168 100
99 58.4 49.4 74.2



#11
Tert butyl alcohol
Concen: 1.963 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

Tgt Ion: 59 Resp: 641
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

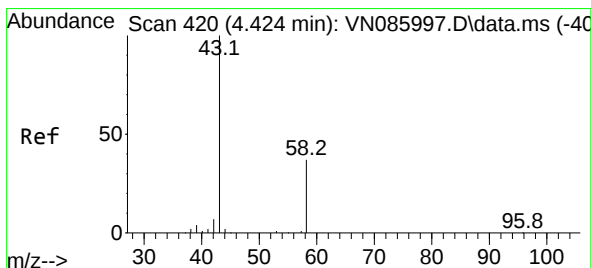
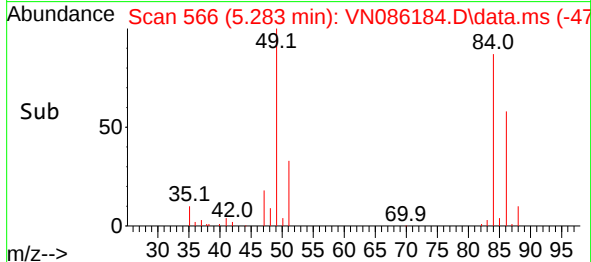
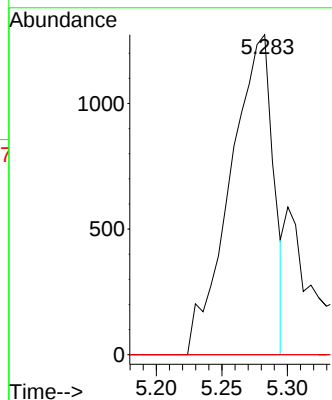
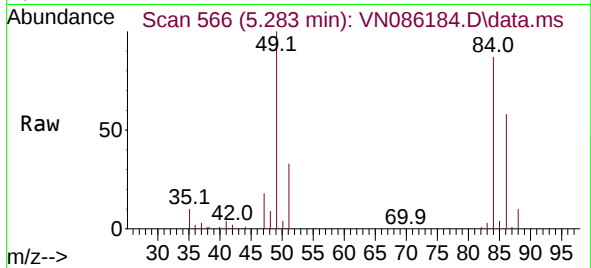




#14
 Allyl chloride
 Concen: 1.353 ug/l
 RT: 5.283 min Scan# 501
 Delta R.T. 0.264 min
 Lab File: VN086184.D
 Acq: 31 Mar 2025 21:04

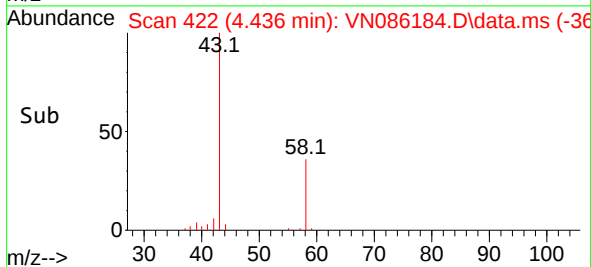
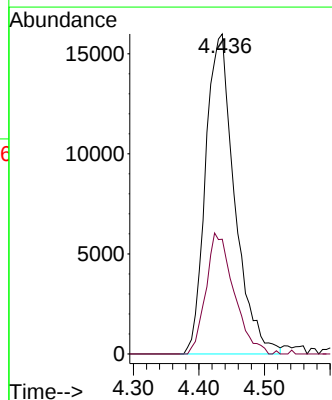
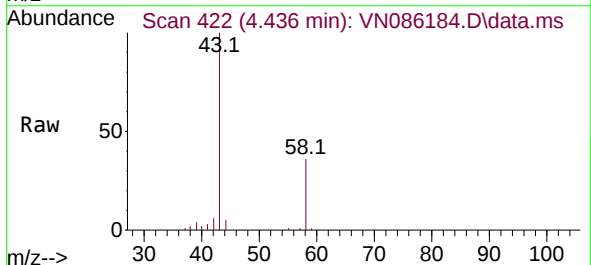
Instrument :
 MSVOA_N
 ClientSampleId :
 RT5358

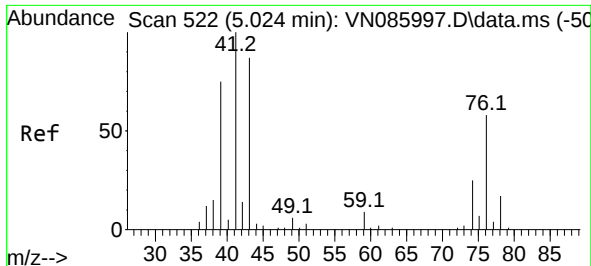
Tgt Ion: 41 Resp: 2911
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.5 83.3#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 69.764 ug/l
 RT: 4.436 min Scan# 422
 Delta R.T. 0.012 min
 Lab File: VN086184.D
 Acq: 31 Mar 2025 21:04

Tgt Ion: 43 Resp: 49146
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.4 44.2

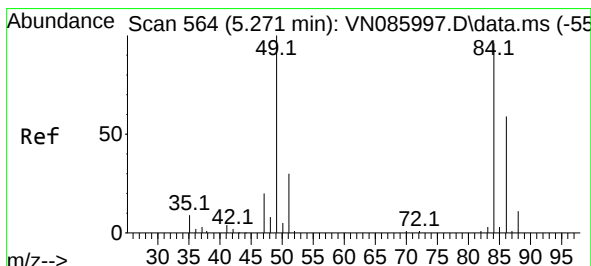
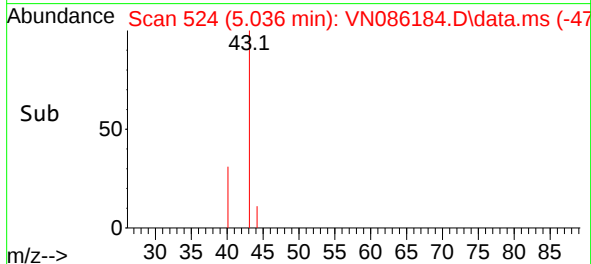
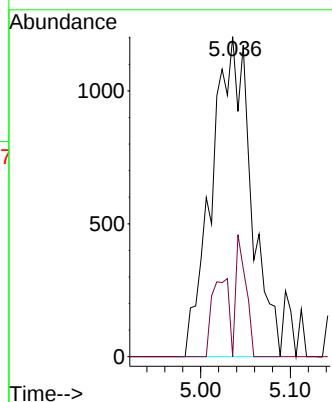
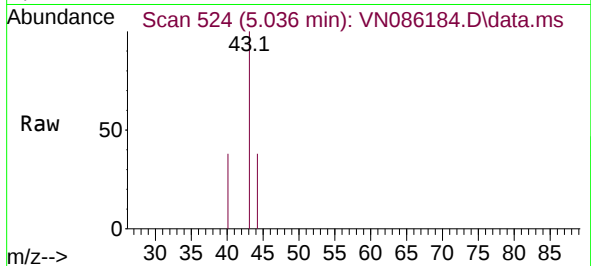




#18
Methyl Acetate
Concen: 2.104 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

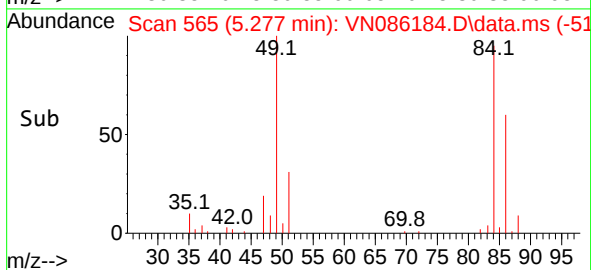
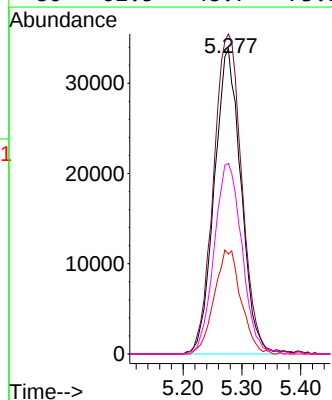
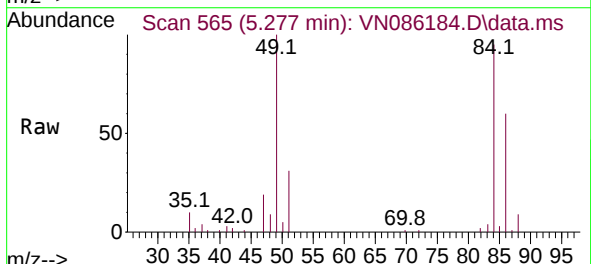
Instrument :
MSVOA_N
ClientSampleId :
RT5358

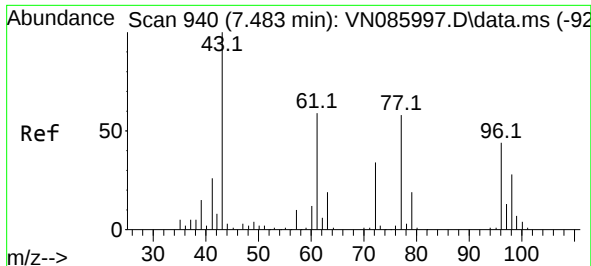
Tgt Ion: 43 Resp: 3667
Ion Ratio Lower Upper
43 100
74 9.7 23.9 35.9#



#20
Methylene Chloride
Concen: 51.681 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

Tgt Ion: 84 Resp: 106507
Ion Ratio Lower Upper
84 100
49 104.9 83.3 124.9
51 32.8 24.8 37.2
86 62.5 48.7 73.1

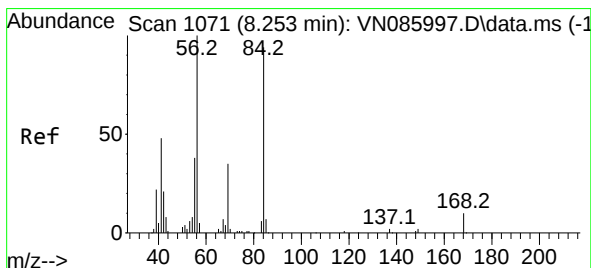
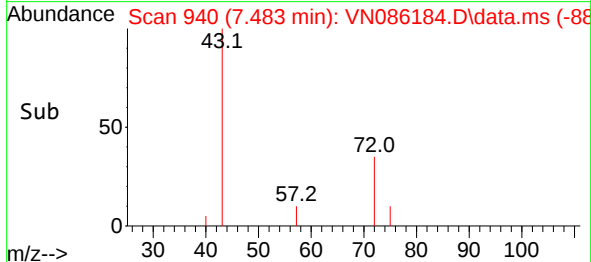
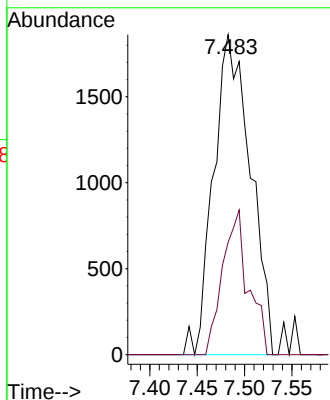
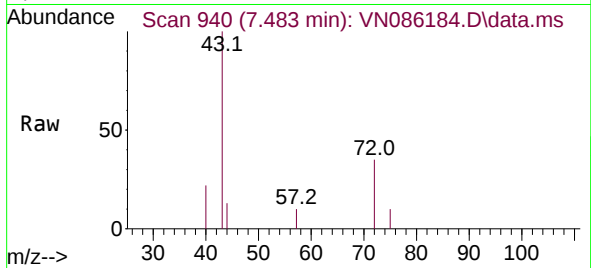




#25
2-Butanone
Concen: 4.957 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

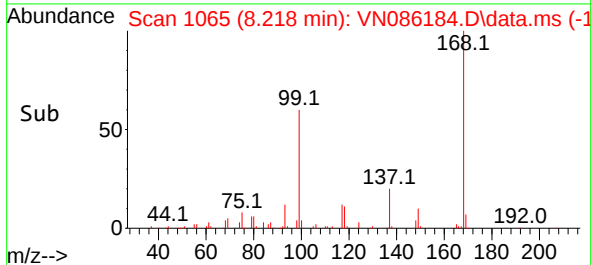
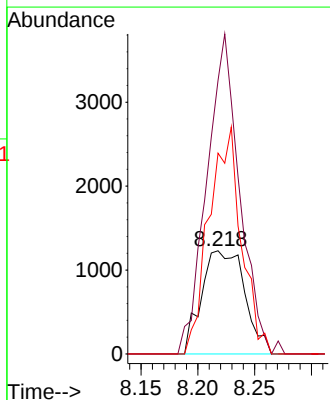
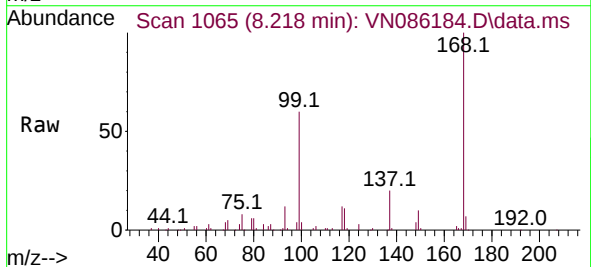
Instrument :
MSVOA_N
ClientSampleId :
RT5358

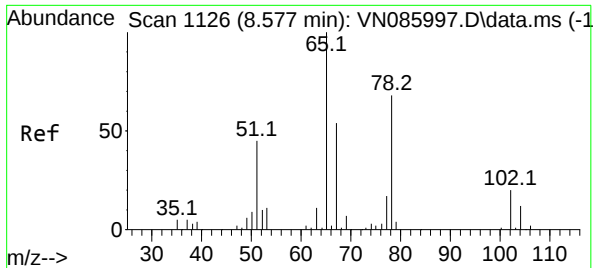
Tgt Ion: 43 Resp: 5039
Ion Ratio Lower Upper
43 100
72 35.1 27.4 41.0



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.036 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

Tgt Ion: 56 Resp: 3268
Ion Ratio Lower Upper
56 100
69 265.0 28.0 42.0#
84 194.5 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 57.539 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086184.D

Acq: 31 Mar 2025 21:04

Instrument :

MSVOA_N

ClientSampleId :

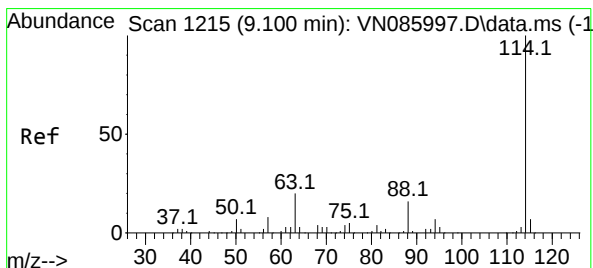
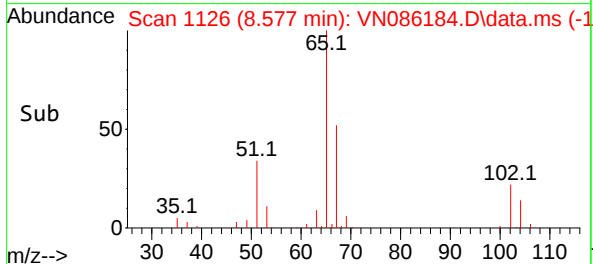
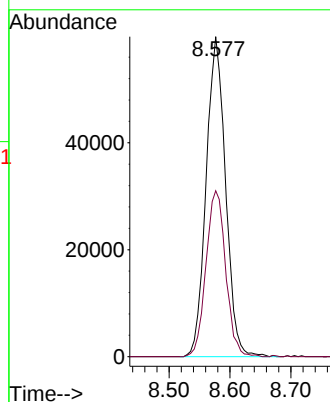
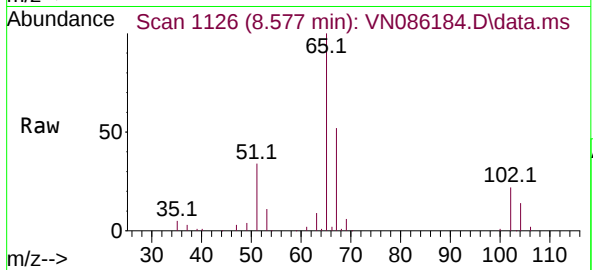
RT5358

Tgt Ion: 65 Resp: 132677

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: VN086184.D

Acq: 31 Mar 2025 21:04

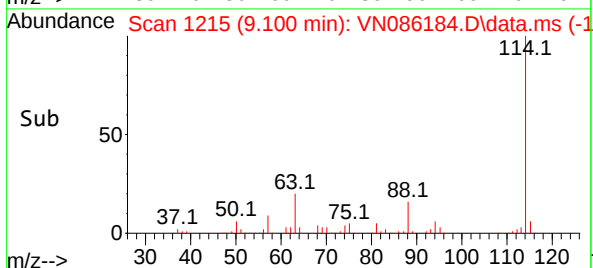
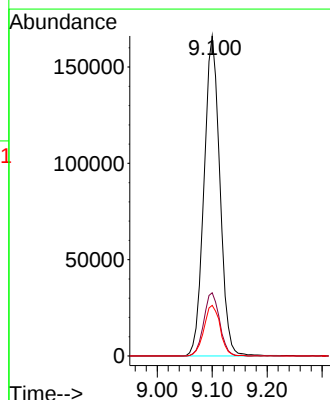
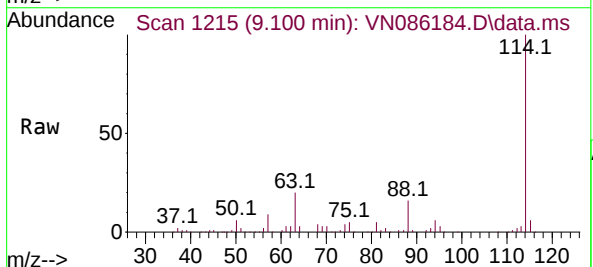
Tgt Ion: 114 Resp: 332486

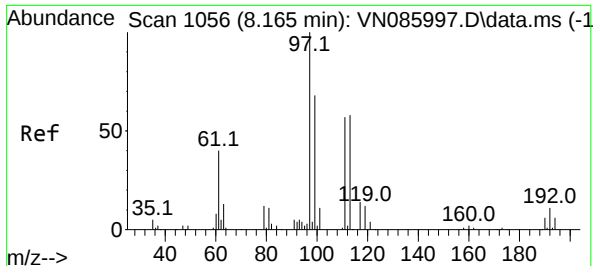
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.726 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086184.D

Acq: 31 Mar 2025 21:04

Instrument :

MSVOA_N

ClientSampleId :

RT5358

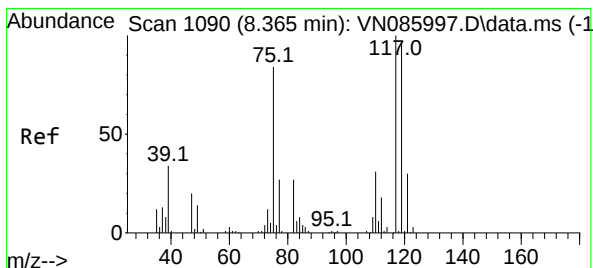
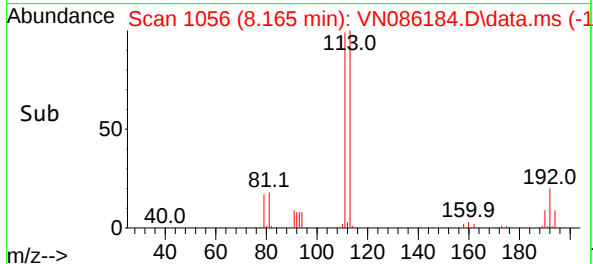
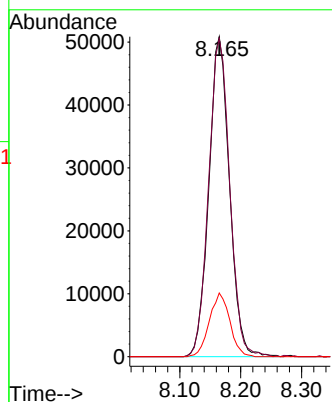
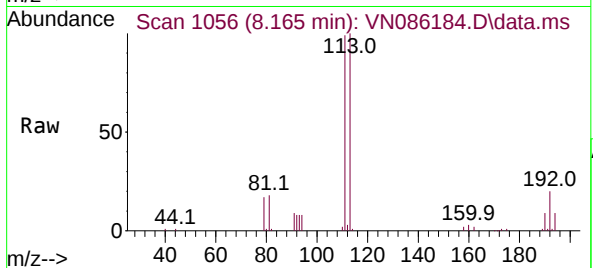
Tgt Ion:113 Resp: 120041

Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.8

192 19.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.352 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086184.D

Acq: 31 Mar 2025 21:04

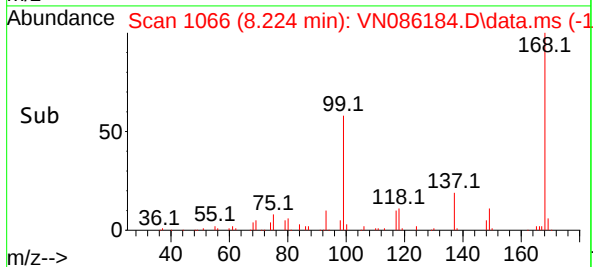
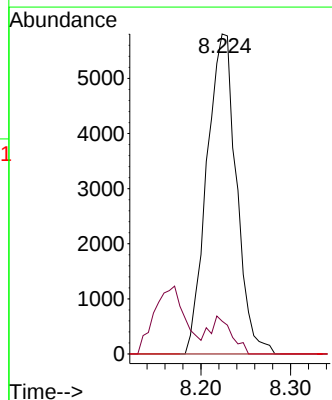
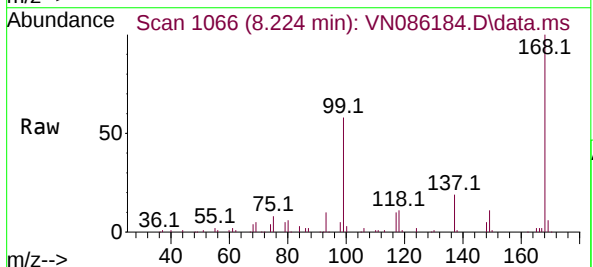
Tgt Ion: 75 Resp: 13299

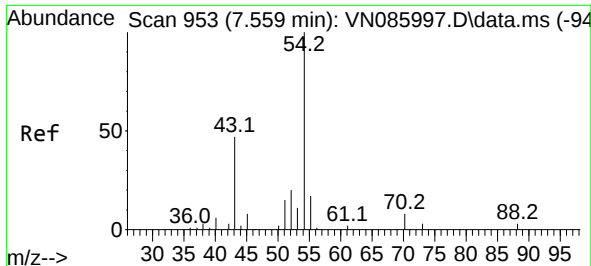
Ion Ratio Lower Upper

75 100

110 8.9 17.8 53.3#

77 0.0 25.0 37.4#

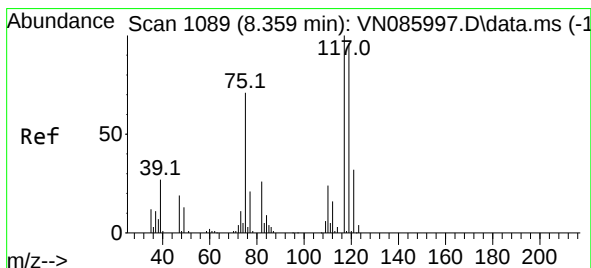
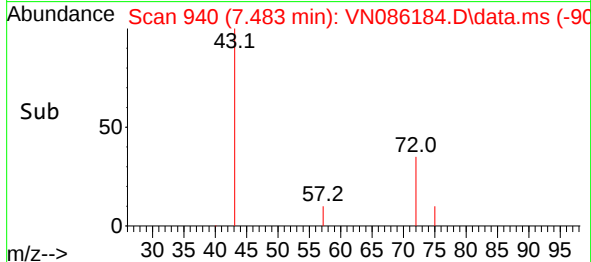
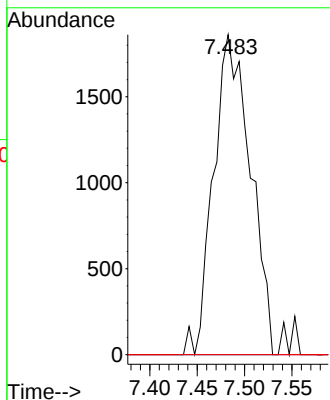
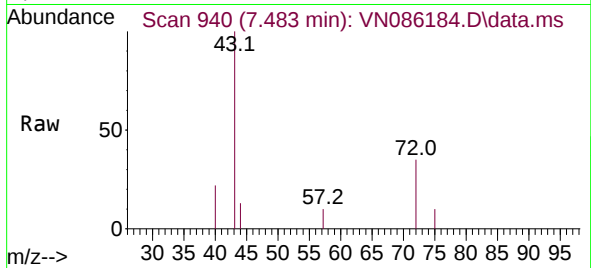




#37
Ethyl Acetate
Concen: 1.955 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.077 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

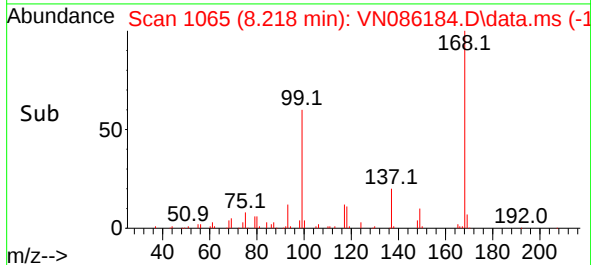
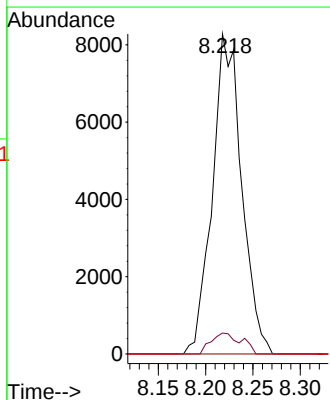
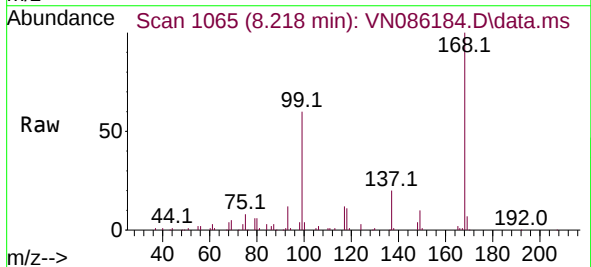
Instrument :
MSVOA_N
ClientSampleId :
RT5358

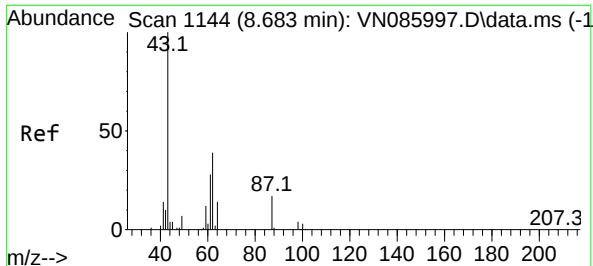
Tgt Ion: 43	Resp: 5039
Ion Ratio	Lower Upper
43	100
61	0.0 13.0 19.4#
70	0.0 11.0 16.6#



#38
Carbon Tetrachloride
Concen: 4.432 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

Tgt Ion: 117	Resp: 17806
Ion Ratio	Lower Upper
117	100
119	6.6 77.0 115.4#
121	0.0 25.6 38.4#

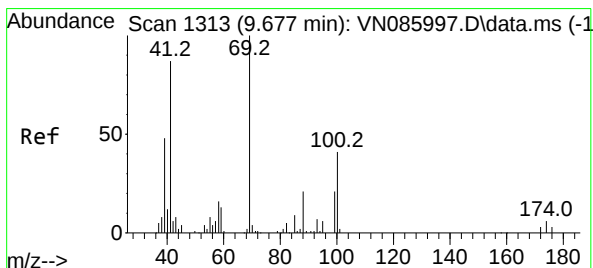
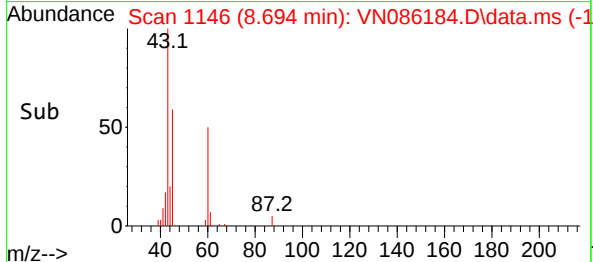
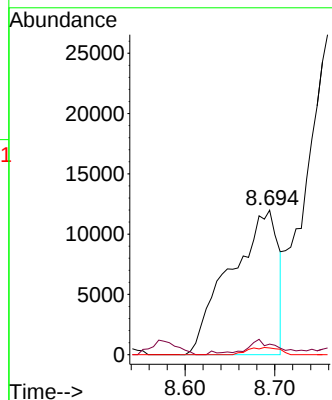
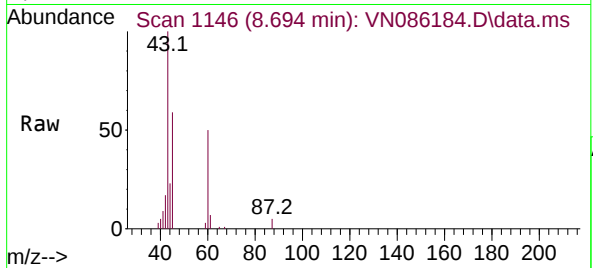




#43
Isopropyl Acetate
Concen: 7.924 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

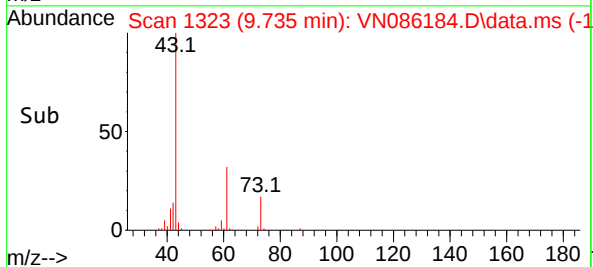
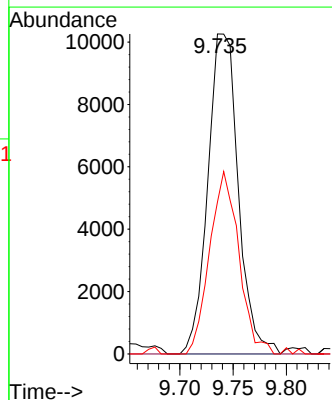
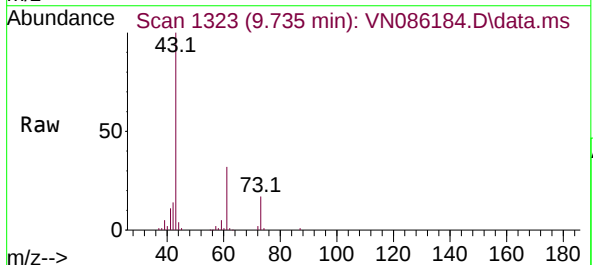
Instrument :
MSVOA_N
ClientSampleId :
RT5358

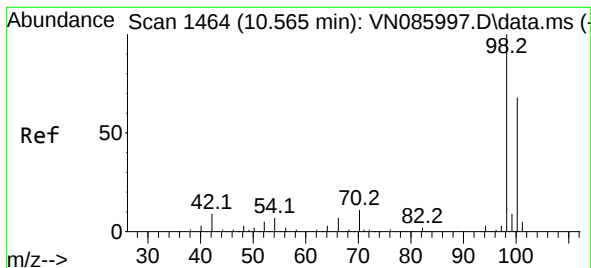
Tgt Ion: 43 Resp: 44265
Ion Ratio Lower Upper
43 100
61 4.7 25.0 37.6#
87 3.3 13.0 19.4#



#48
Methyl methacrylate
Concen: 11.071 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.059 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

Tgt Ion: 41 Resp: 20408
Ion Ratio Lower Upper
41 100
69 0.0 83.1 124.7#
39 54.7 45.6 68.4





#50

Toluene-d8

Concen: 49.384 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086184.D

Acq: 31 Mar 2025 21:04

Instrument :

MSVOA_N

ClientSampleId :

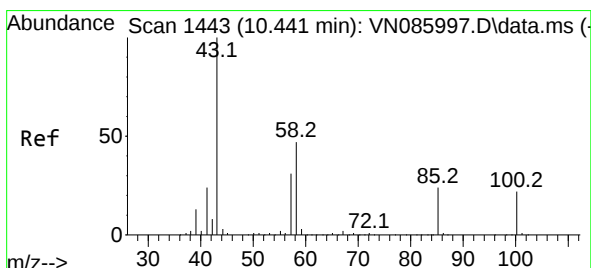
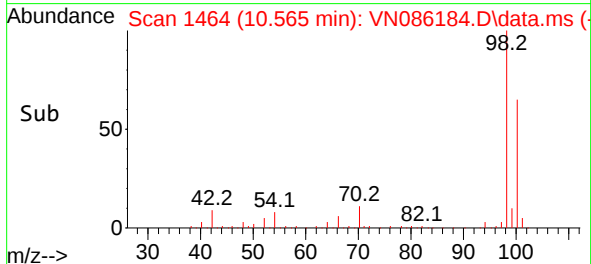
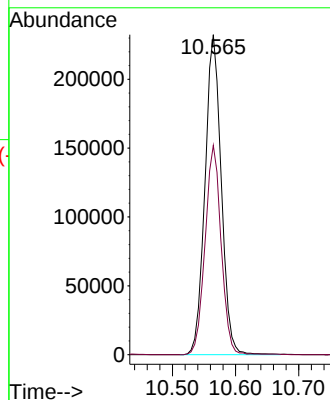
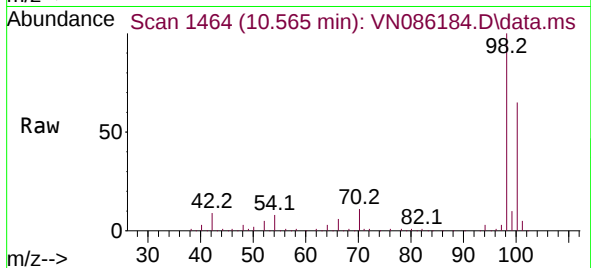
RT5358

Tgt Ion: 98 Resp: 415940

Ion Ratio Lower Upper

98 100

100 64.6 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 2.344 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.000 min

Lab File: VN086184.D

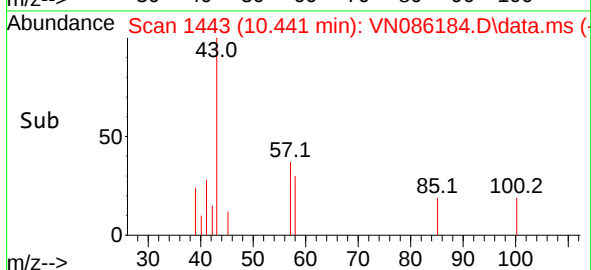
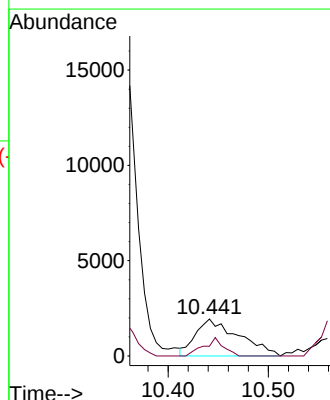
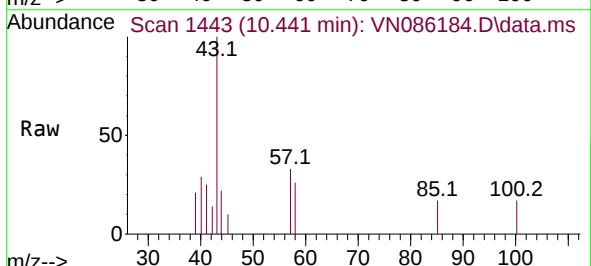
Acq: 31 Mar 2025 21:04

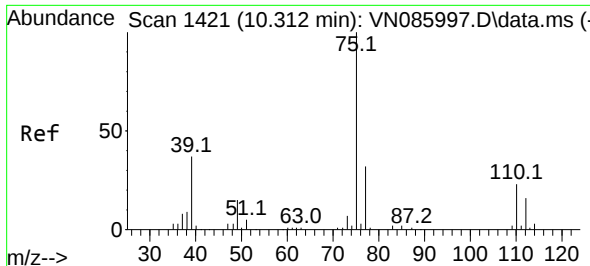
Tgt Ion: 43 Resp: 5776

Ion Ratio Lower Upper

43 100

58 22.6 37.4 56.0#

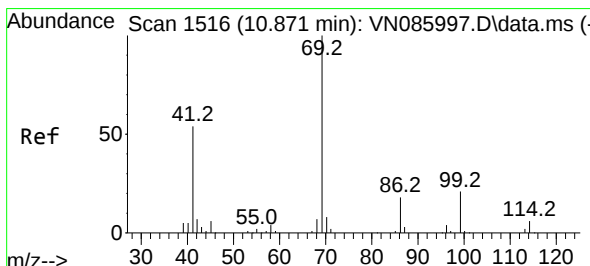
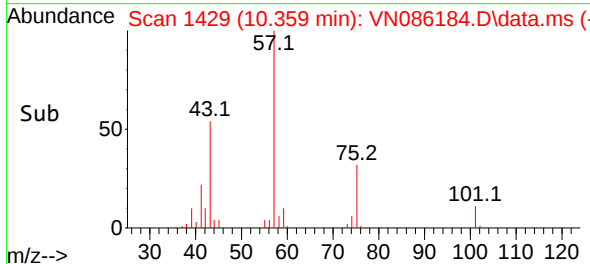
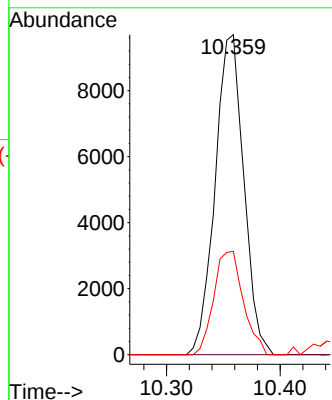
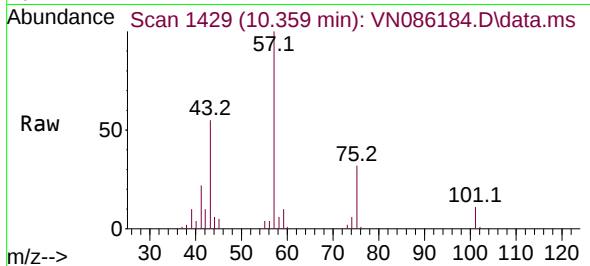




#54
 cis-1,3-Dichloropropene
 Concen: 4.622 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN086184.D
 Acq: 31 Mar 2025 21:04

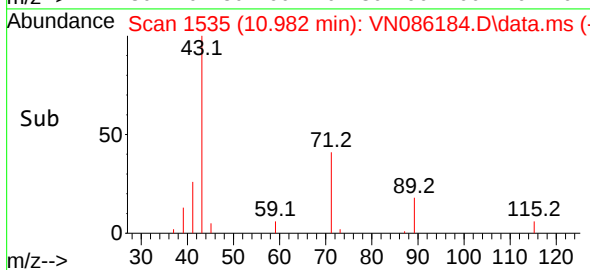
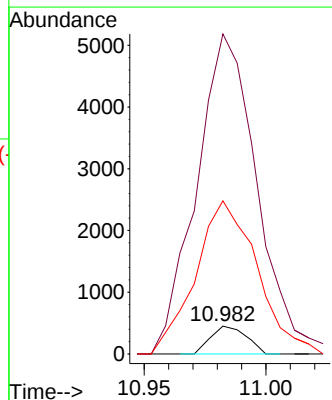
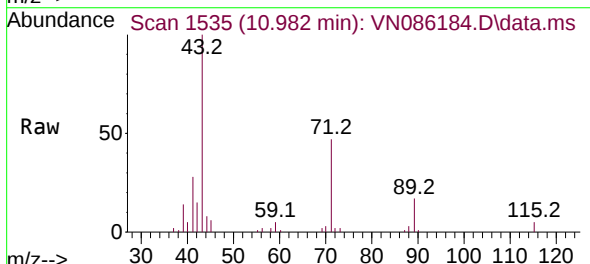
Instrument :
 MSVOA_N
 ClientSampleId :
 RT5358

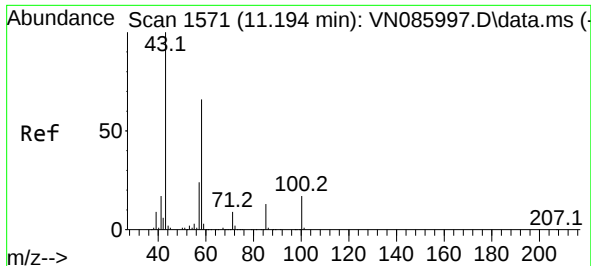
Tgt Ion: 75 Resp: 16984
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 32.3 29.6 44.4



#56
 Ethyl methacrylate
 Concen: 0.349 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.111 min
 Lab File: VN086184.D
 Acq: 31 Mar 2025 21:04

Tgt Ion: 69 Resp: 459
 Ion Ratio Lower Upper
 69 100
 41 1969.1 41.6 62.4#
 39 952.1 21.8 32.8#

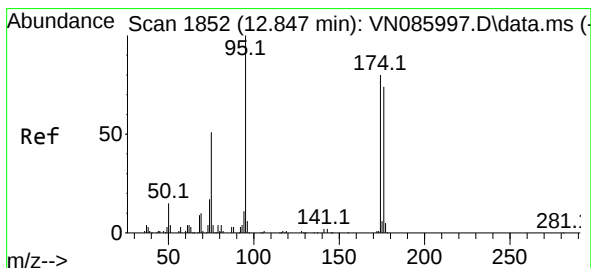
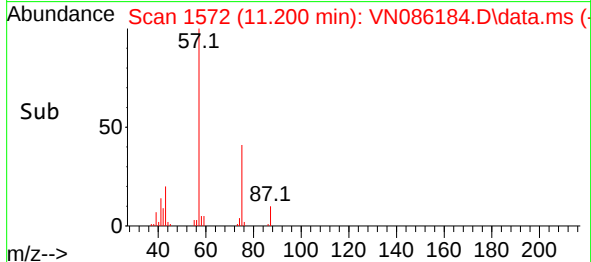
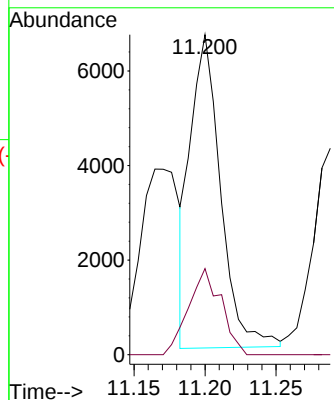
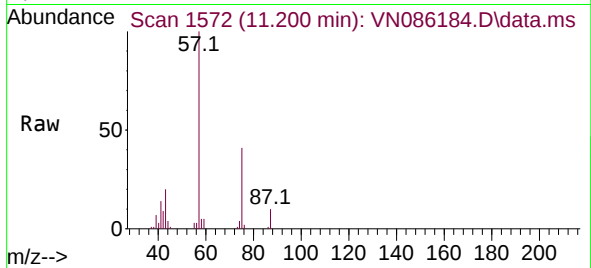




#59
2-Hexanone
Concen: 5.461 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

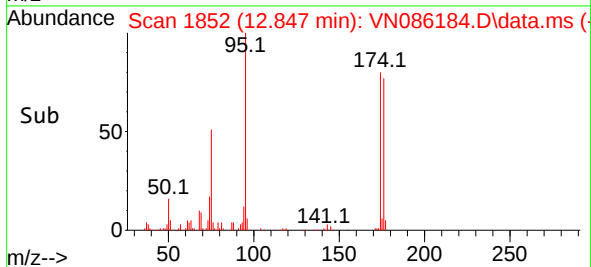
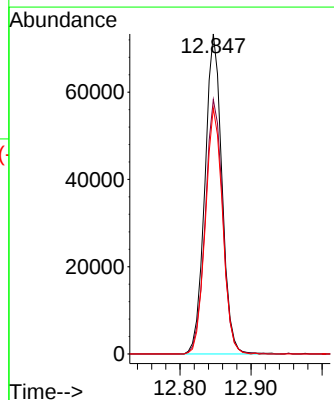
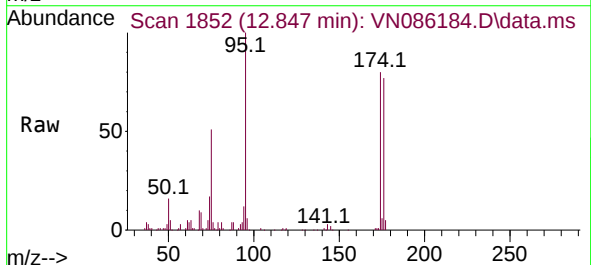
Instrument :
MSVOA_N
ClientSampleId :
RT5358

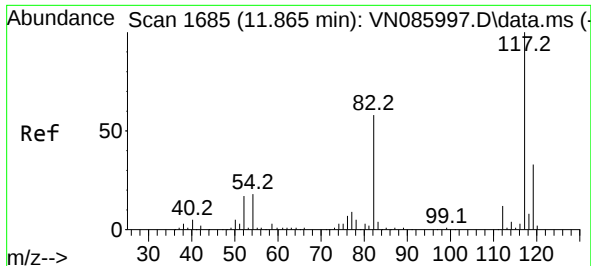
Tgt Ion: 43 Resp: 9802
Ion Ratio Lower Upper
43 100
58 29.6 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 40.715 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

Tgt Ion: 95 Resp: 122296
Ion Ratio Lower Upper
95 100
174 81.5 0.0 156.8
176 77.5 0.0 152.2

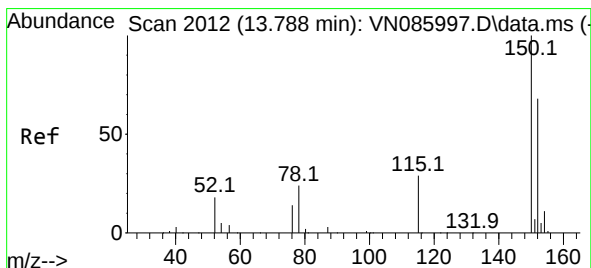
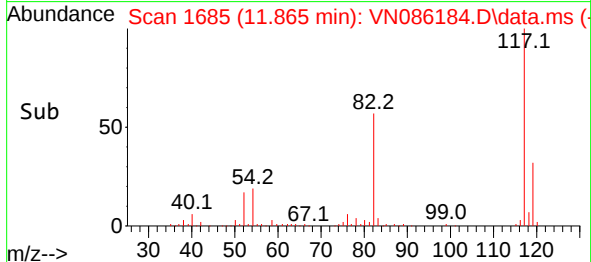
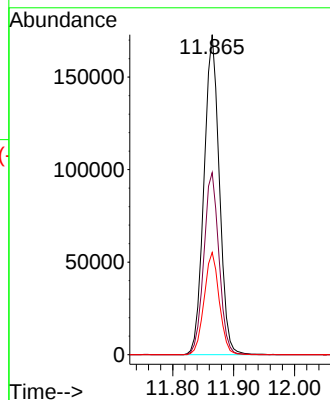
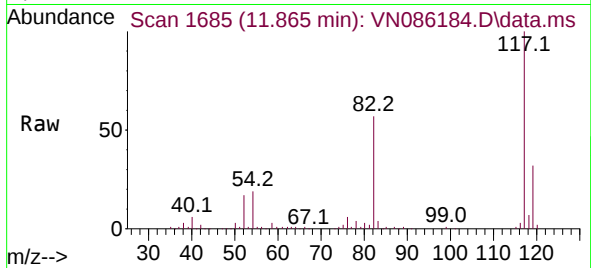




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

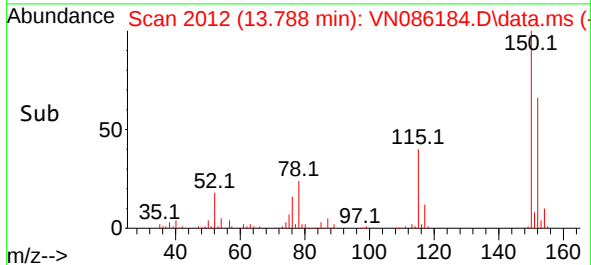
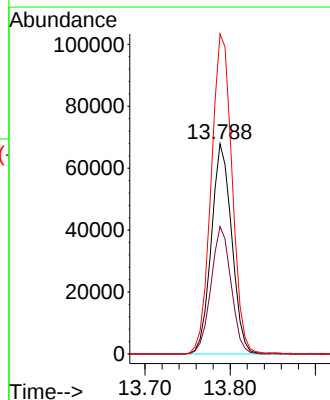
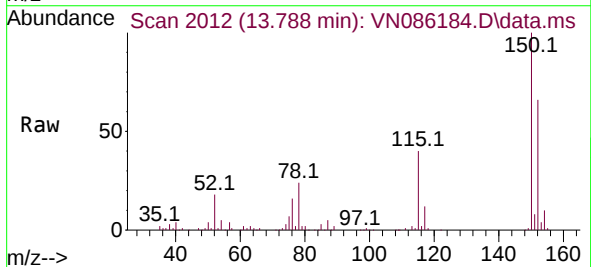
Instrument :
MSVOA_N
ClientSampleId :
RT5358

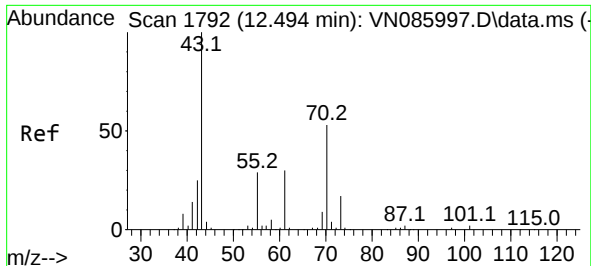
Tgt Ion:117 Resp: 301902
Ion Ratio Lower Upper
117 100
82 56.9 46.7 70.1
119 32.0 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

Tgt Ion:152 Resp: 112961
Ion Ratio Lower Upper
152 100
115 59.8 31.1 93.2
150 156.2 0.0 359.6

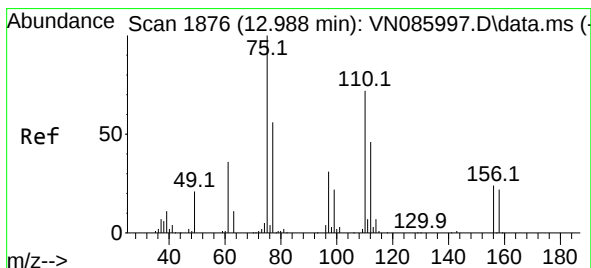
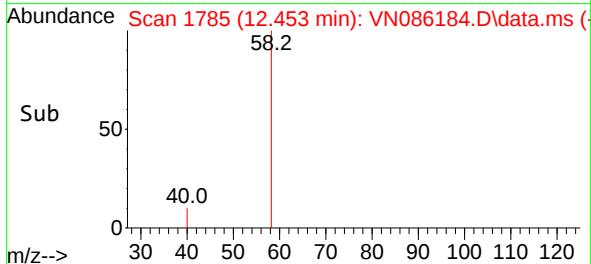
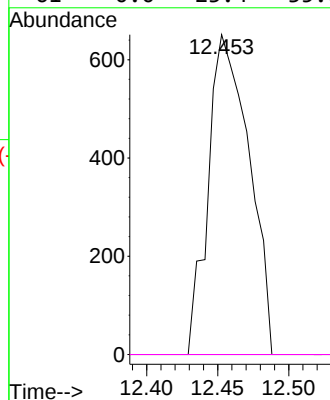
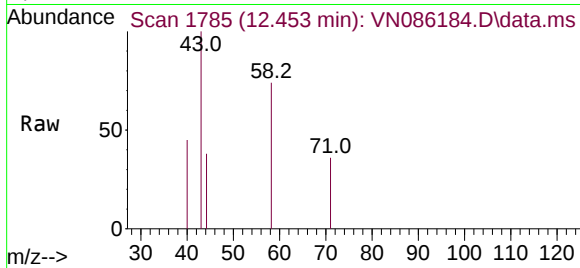




#74
N-amy1 acetate
Concen: 0.505 ug/l
RT: 12.453 min Scan# 1
Delta R.T. -0.041 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

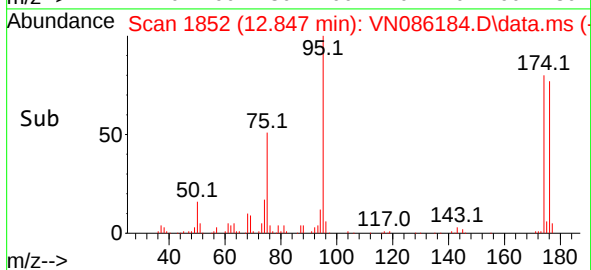
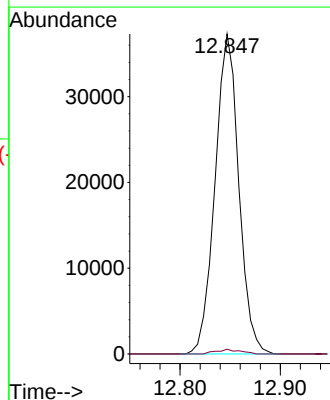
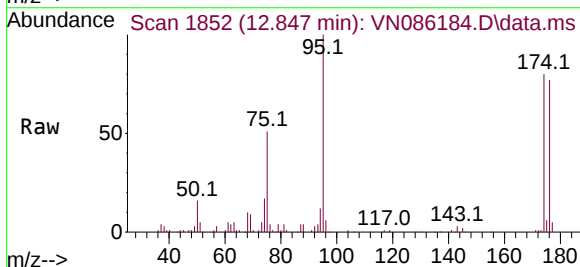
Instrument :
MSVOA_N
ClientSampleId :
RT5358

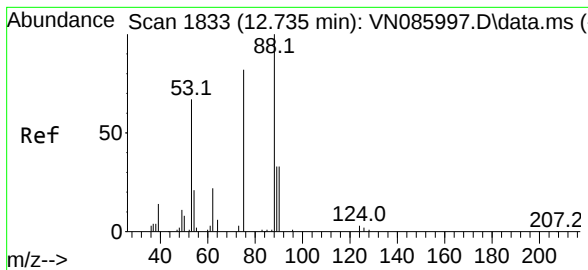
Tgt Ion: 43	Resp: 1303
Ion Ratio	Lower Upper
43 100	
70 0.0	43.0 64.4#
55 0.0	23.8 35.8#
61 0.0	23.4 35.0#



#76
1,2,3-Trichloropropane
Concen: 24.269 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086184.D
Acq: 31 Mar 2025 21:04

Tgt Ion: 75	Resp: 61375
Ion Ratio	Lower Upper
75 100	
77 1.5	83.7 251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.162 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086184.D
 Acq: 31 Mar 2025 21:04

Instrument :
 MSVOA_N
 ClientSampleId :
 RT5358

Tgt Ion: 75 Resp: 61375
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.0 99.0#
 89 0.0 36.9 55.3#

