

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
 Data File : VN087378.D
 Acq On : 21 Jul 2025 14:38
 Operator : JC\MD
 Sample : Q2649-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Quant Time: Jul 22 03:08:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

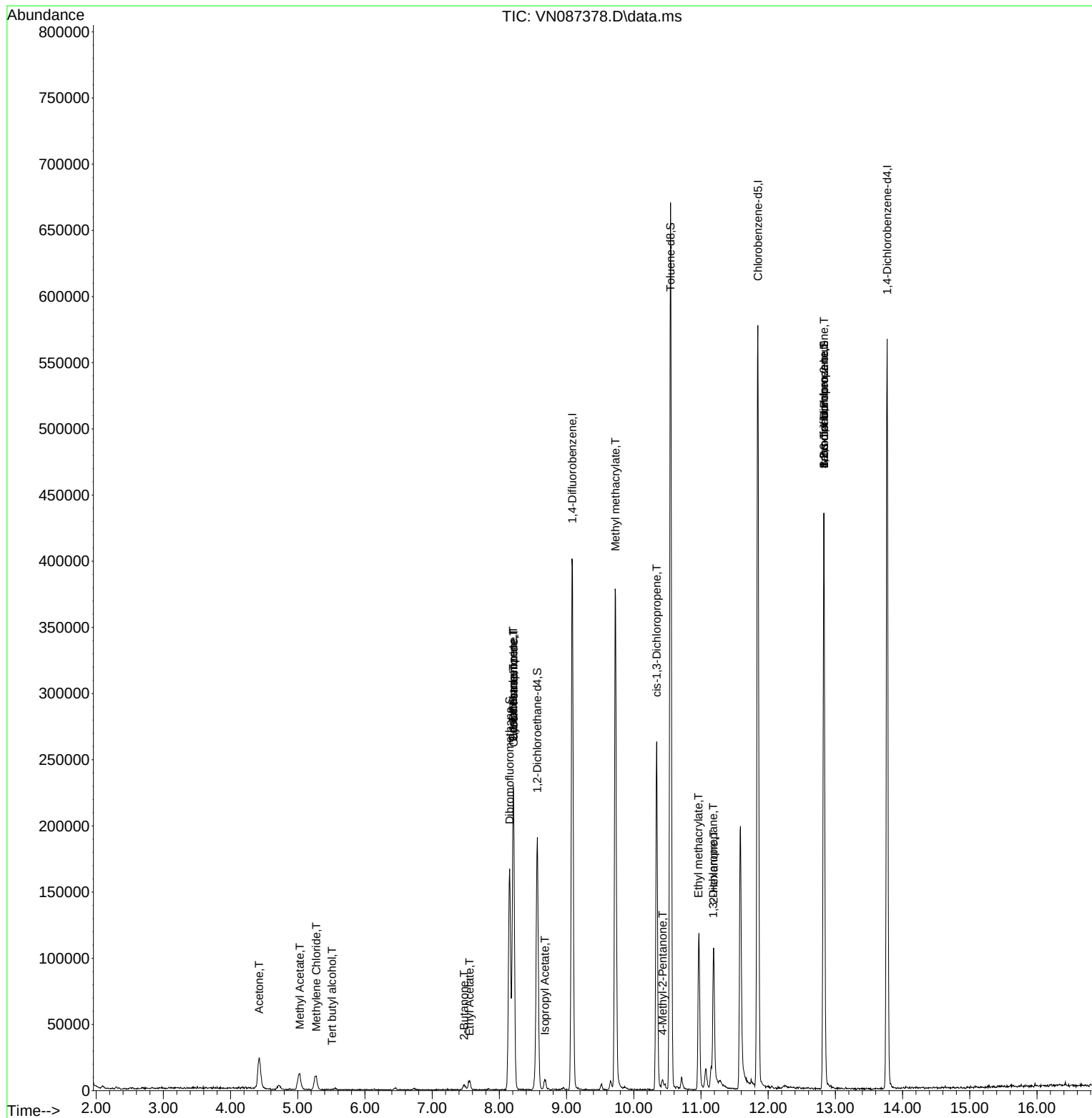
Internal Standards						
1) Pentafluorobenzene	8.206	168	162721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	334567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	329066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	149766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	159643	57.820	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.640%	
35) Dibromofluoromethane	8.153	113	117660	50.983	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.960%	
50) Toluene-d8	10.547	98	440507	53.509	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.020%	
62) 4-Bromofluorobenzene	12.829	95	151566	49.833	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	497	0.948	ug/l #	72
16) Acetone	4.424	43	46099	35.610	ug/l	90
18) Methyl Acetate	5.030	43	27161	8.351	ug/l	99
20) Methylene Chloride	5.277	84	8559	3.313	ug/l #	82
25) 2-Butanone	7.477	43	6704	3.352	ug/l	91
31) Cyclohexane	8.206	56	3890	1.146	ug/l #	1
36) 1,1-Dichloropropene	8.206	75	15104	4.954	ug/l #	52
37) Ethyl Acetate	7.559	43	12292	2.791	ug/l #	75
38) Carbon Tetrachloride	8.212	117	17950	5.344	ug/l #	12
43) Isopropyl Acetate	8.677	43	9074	1.327	ug/l #	87
48) Methyl methacrylate	9.729	41	36475	11.852	ug/l #	46
51) 4-Methyl-2-Pentanone	10.429	43	4814	1.113	ug/l	96
54) cis-1,3-Dichloropropene	10.341	75	45910	11.630	ug/l #	63
56) Ethyl methacrylate	10.965	69	1219	0.940	ug/l #	1
57) 1,3-Dichloropropane	11.182	76	1122	0.268	ug/l #	42
59) 2-Hexanone	11.188	43	19519	6.805	ug/l #	57
71) Bromoform	12.829	173	1497	0.738	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	79546	23.686	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	79546	64.808	ug/l #	8

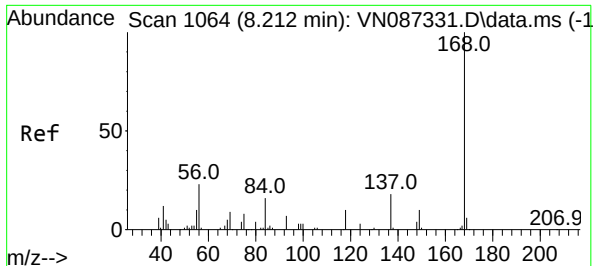
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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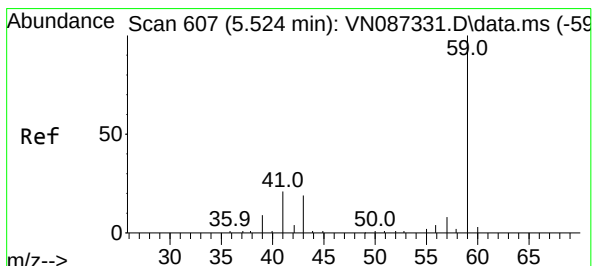
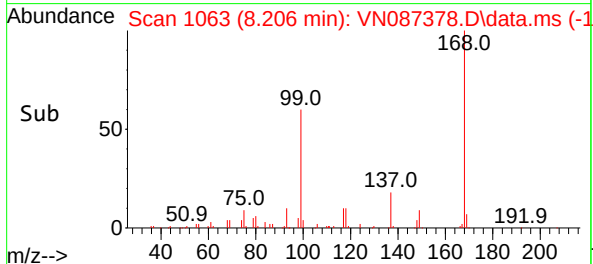
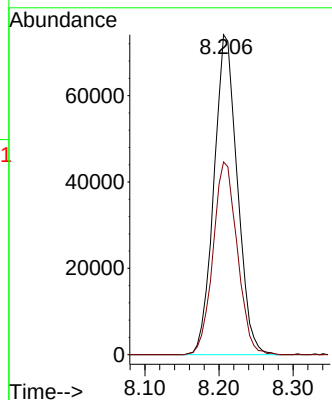
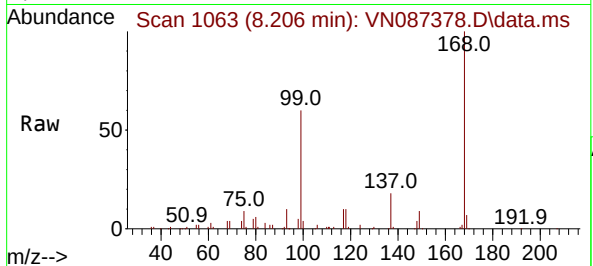




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

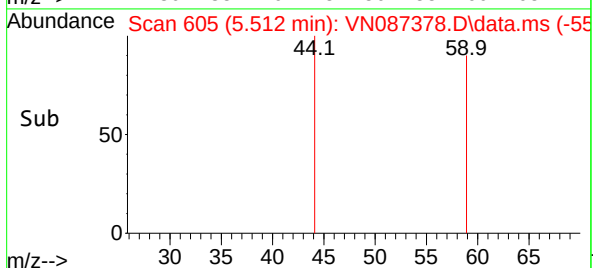
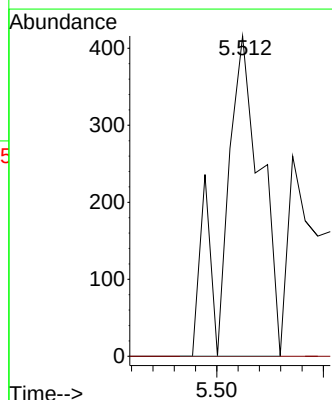
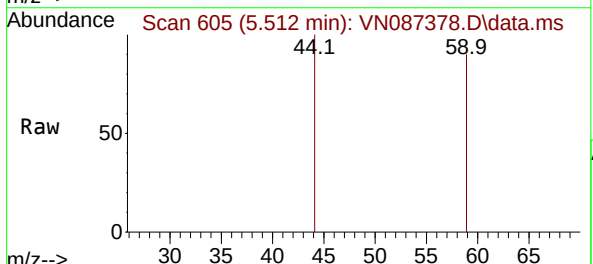
Instrument :
MSVOA_N
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WC-1

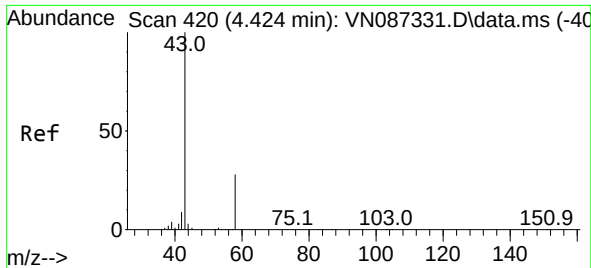
Tgt Ion:168 Resp: 162721
Ion Ratio Lower Upper
168 100
99 60.3 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.948 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

Tgt Ion: 59 Resp: 497
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 35.610 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN087378.D

Acq: 21 Jul 2025 14:38

Instrument :

MSVOA_N

ClientSampleId :

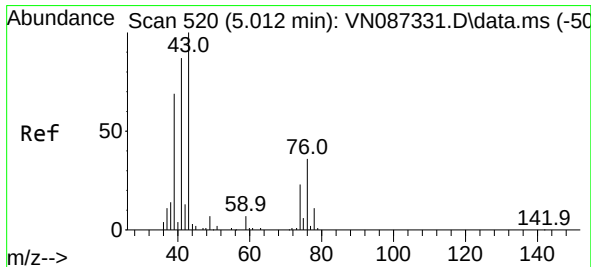
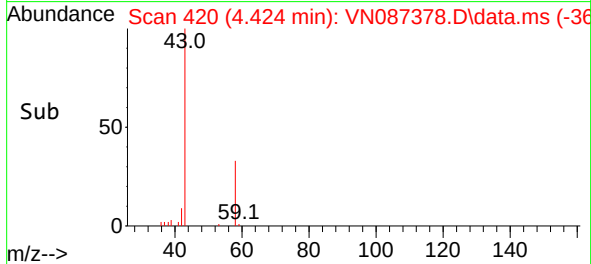
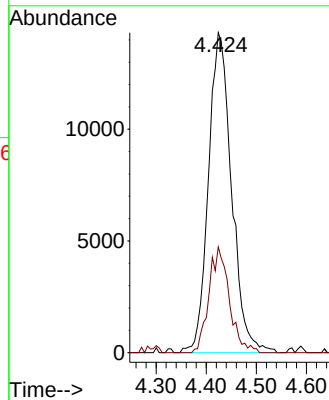
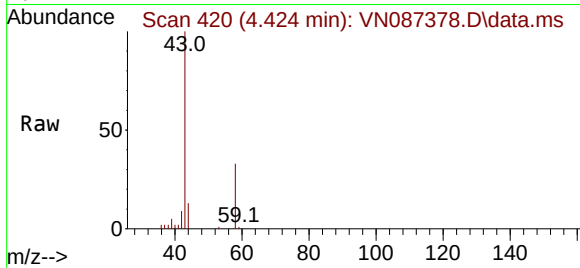
WC-1

Tgt Ion: 43 Resp: 46099

Ion Ratio Lower Upper

43 100

58 33.1 22.3 33.5



#18

Methyl Acetate

Concen: 8.351 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.018 min

Lab File: VN087378.D

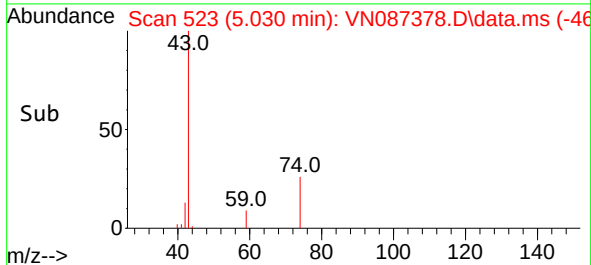
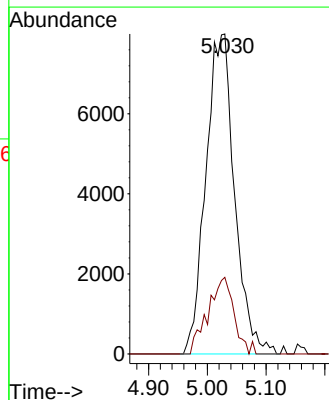
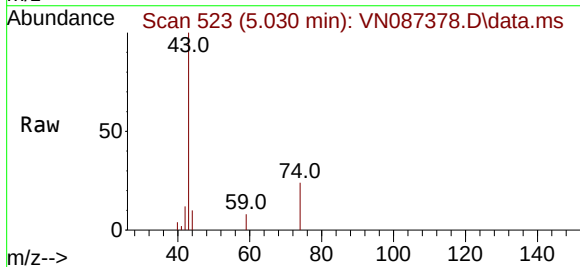
Acq: 21 Jul 2025 14:38

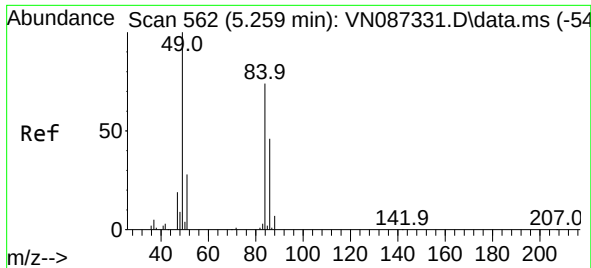
Tgt Ion: 43 Resp: 27161

Ion Ratio Lower Upper

43 100

74 21.7 17.8 26.6

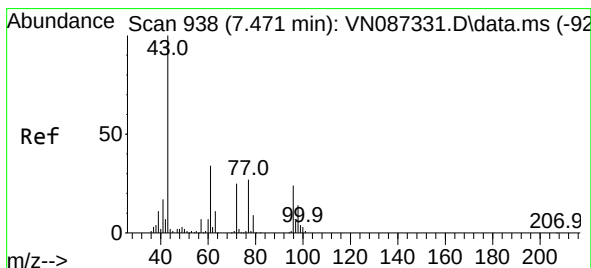
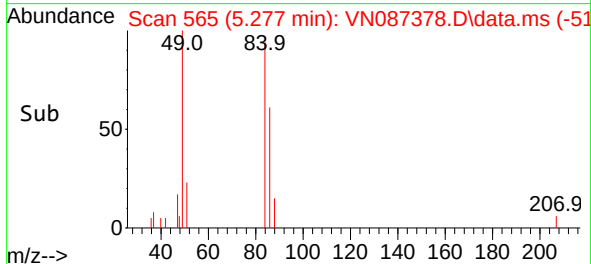
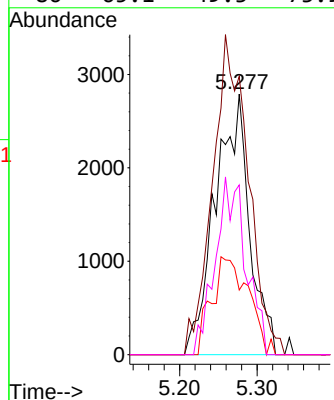
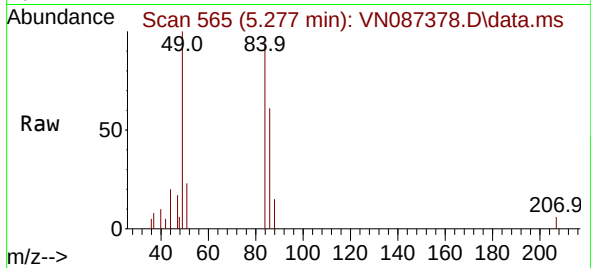




#20
Methylene Chloride
Concen: 3.313 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

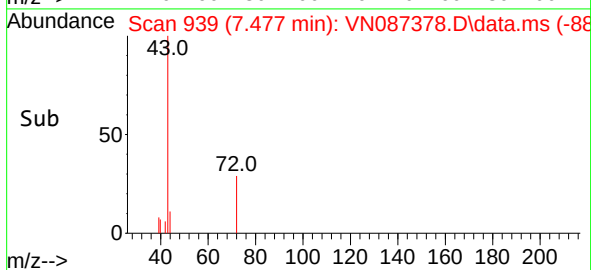
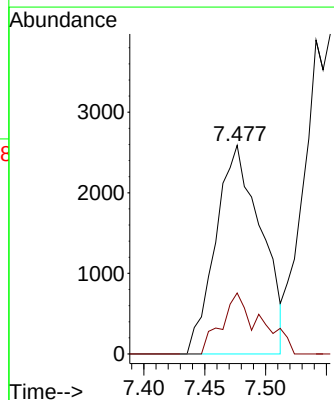
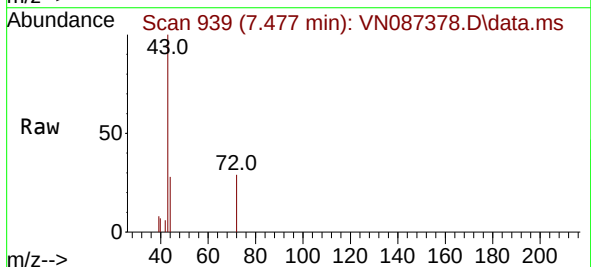
Instrument :
MSVOA_N
ClientSampleId :
WC-1

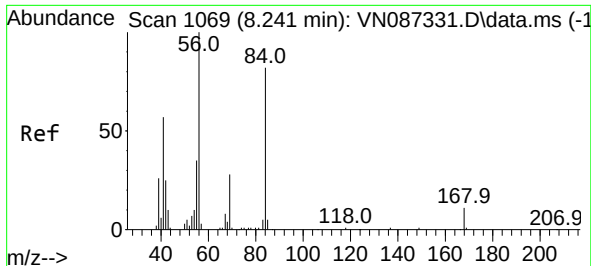
Tgt Ion:	84	Resp:	8559
Ion	Ratio	Lower	Upper
84	100		
49	106.8	107.5	161.3#
51	24.8	30.2	45.2#
86	65.1	49.3	73.9



#25
2-Butanone
Concen: 3.352 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

Tgt Ion:	43	Resp:	6704
Ion	Ratio	Lower	Upper
43	100		
72	29.2	19.6	29.4

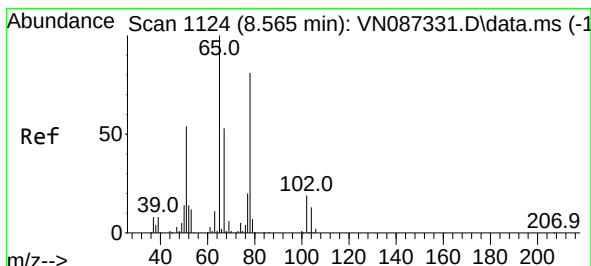
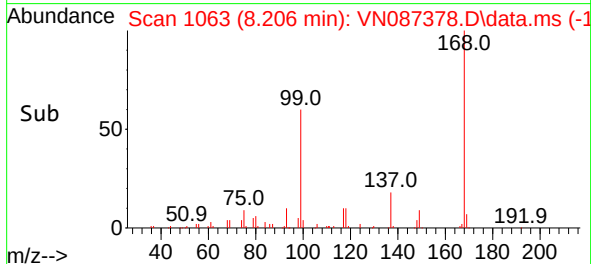
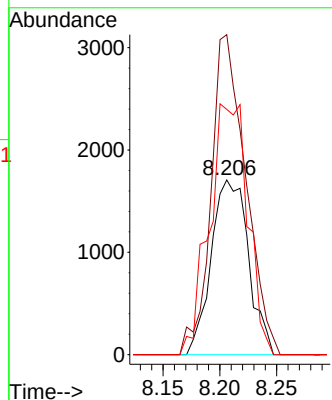
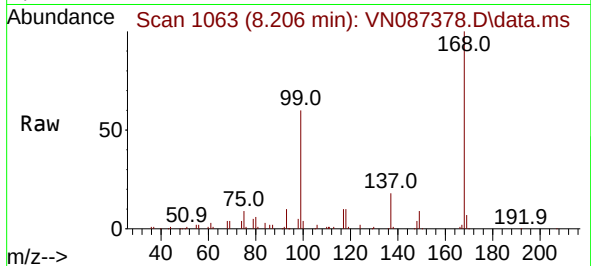




#31
Cyclohexane
Concen: 1.146 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

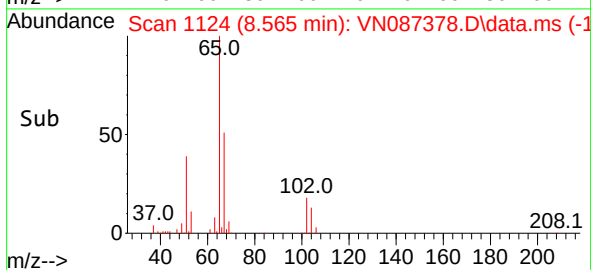
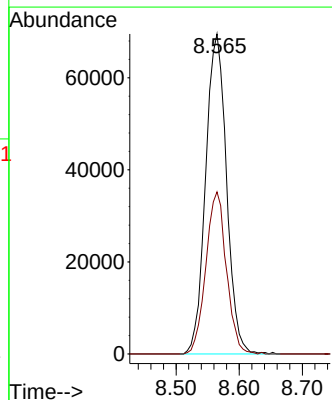
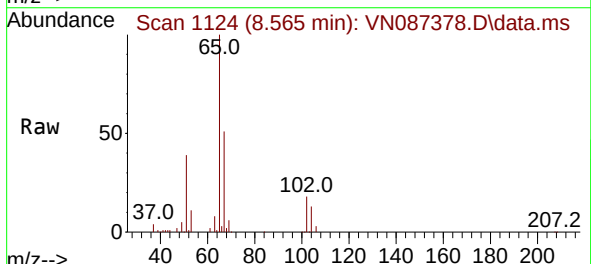
Instrument :
MSVOA_N
ClientSampleId :
WC-1

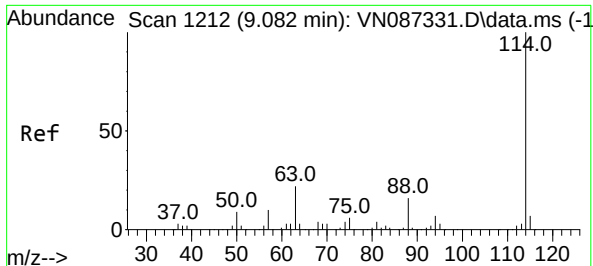
Tgt Ion: 56 Resp: 3890
Ion Ratio Lower Upper
56 100
69 183.1 22.7 34.1#
84 140.3 65.8 98.6#



#33
1,2-Dichloroethane-d4
Concen: 57.820 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

Tgt Ion: 65 Resp: 159643
Ion Ratio Lower Upper
65 100
67 49.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN087378.D

Acq: 21 Jul 2025 14:38

Instrument :

MSVOA_N

ClientSampleId :

WC-1

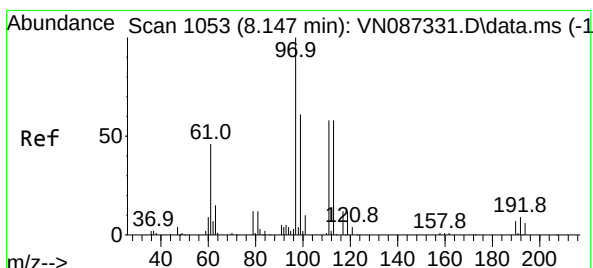
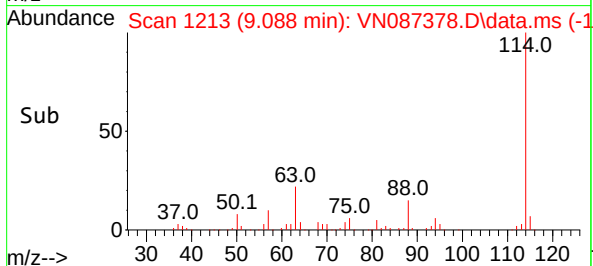
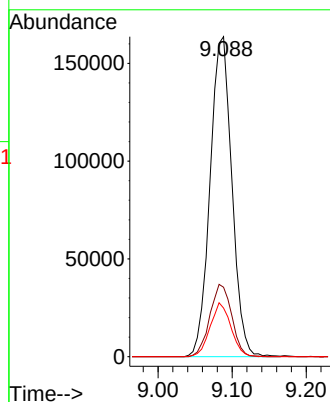
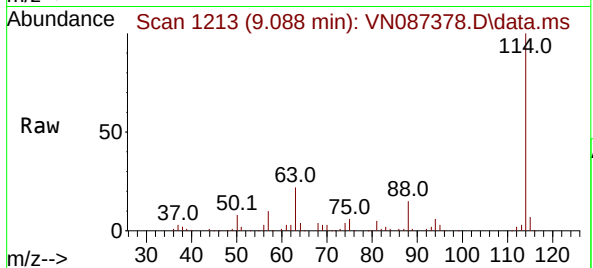
Tgt Ion:114 Resp: 334567

Ion Ratio Lower Upper

114 100

63 21.7 0.0 44.6

88 15.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.983 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087378.D

Acq: 21 Jul 2025 14:38

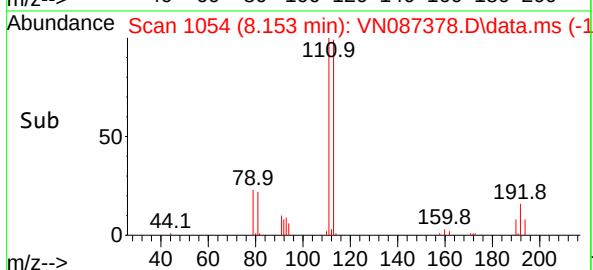
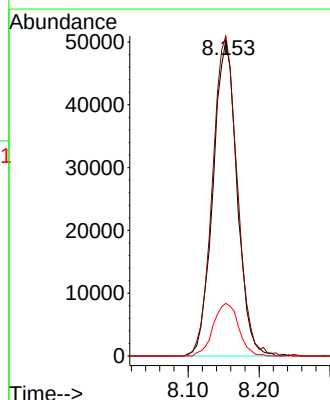
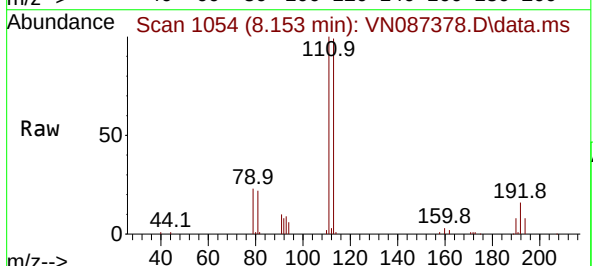
Tgt Ion:113 Resp: 117660

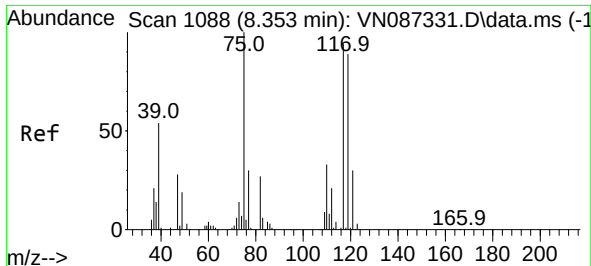
Ion Ratio Lower Upper

113 100

111 104.5 82.5 123.7

192 17.6 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.954 ug/l

RT: 8.206 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN087378.D

Acq: 21 Jul 2025 14:38

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ClientSampleId :

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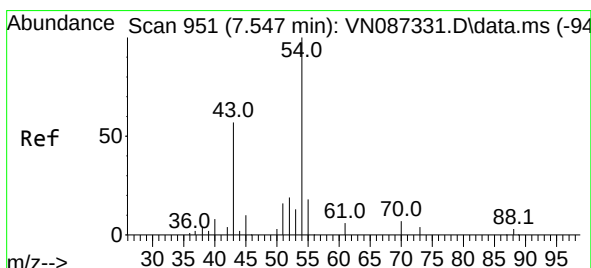
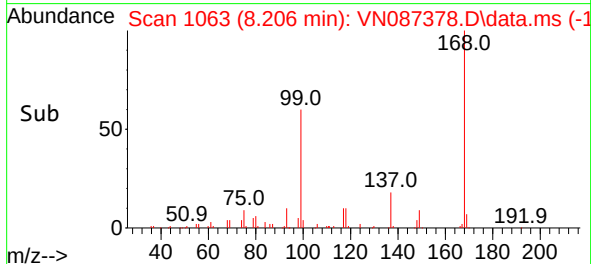
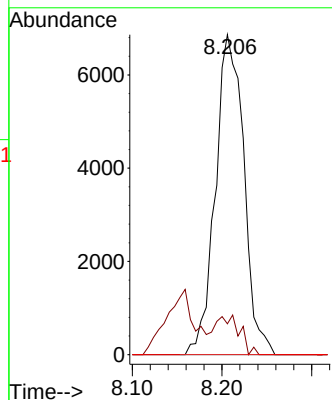
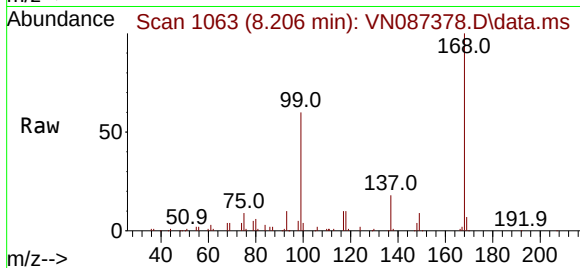
Tgt Ion: 75 Resp: 15104

Ion Ratio Lower Upper

75 100

110 11.0 16.7 50.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 2.791 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.012 min

Lab File: VN087378.D

Acq: 21 Jul 2025 14:38

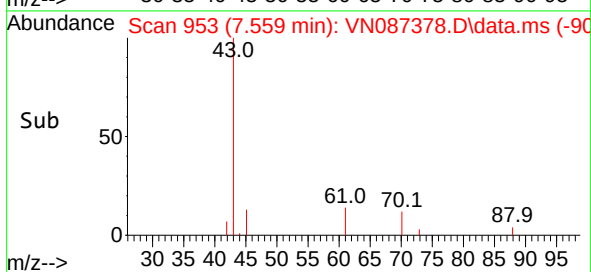
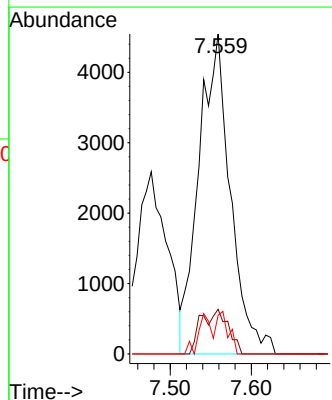
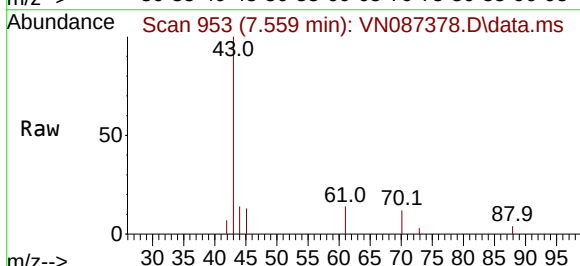
Tgt Ion: 43 Resp: 12292

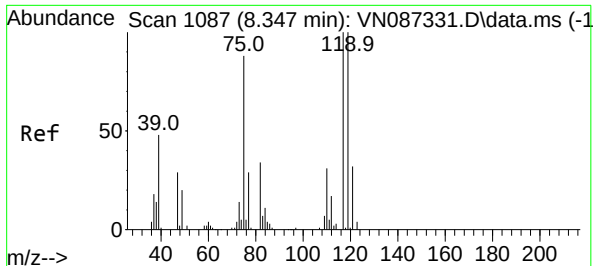
Ion Ratio Lower Upper

43 100

61 0.0 10.9 16.3#

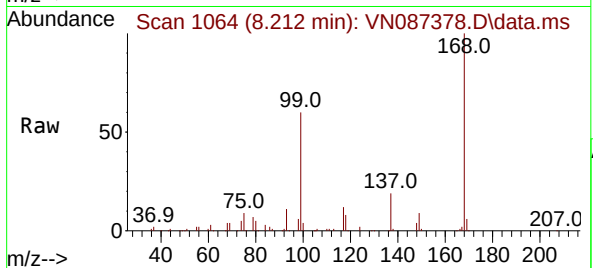
70 5.0 7.4 11.0#



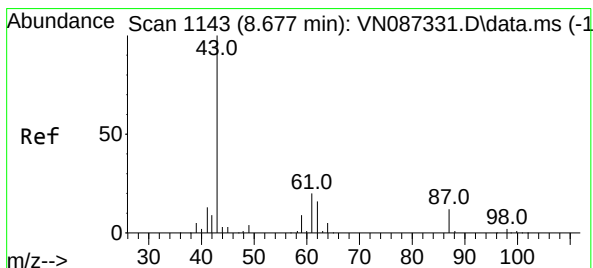
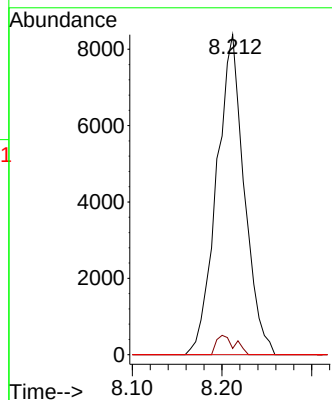
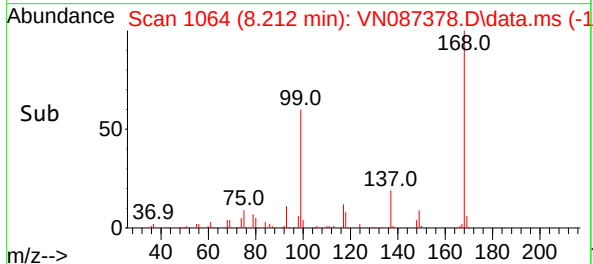


#38
Carbon Tetrachloride
Concen: 5.344 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.135 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

Instrument :
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ClientSampleId :
WC-1

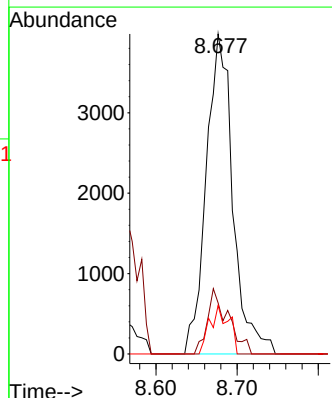
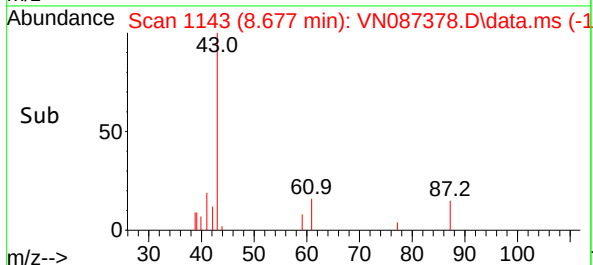
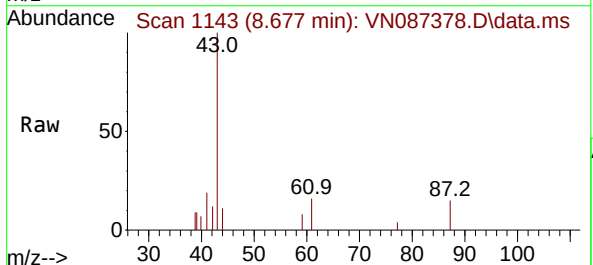


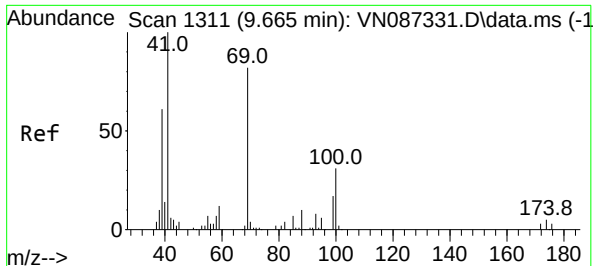
Tgt Ion:117 Resp: 17950
Ion Ratio Lower Upper
117 100
119 1.9 80.2 120.2#
121 0.0 25.4 38.2#



#43
Isopropyl Acetate
Concen: 1.327 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

Tgt Ion: 43 Resp: 9074
Ion Ratio Lower Upper
43 100
61 16.0 19.8 29.8#
87 10.8 9.8 14.6





#48

Methyl methacrylate

Concen: 11.852 ug/l

RT: 9.729 min Scan# 1

Delta R.T. 0.065 min

Lab File: VN087378.D

Acq: 21 Jul 2025 14:38

Instrument :

MSVOA_N

ClientSampleId :

WC-1

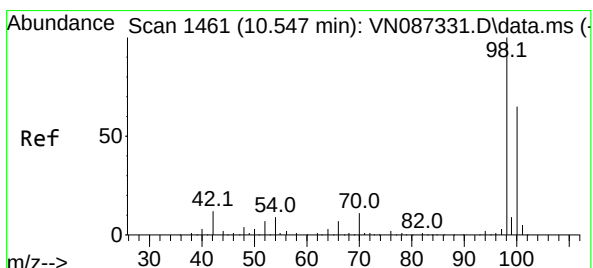
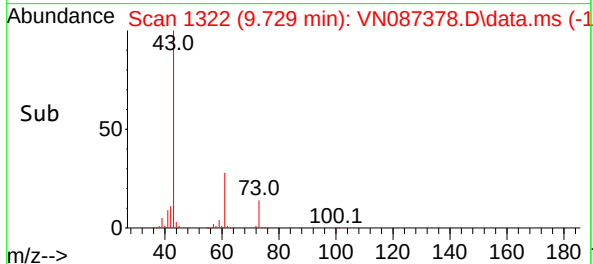
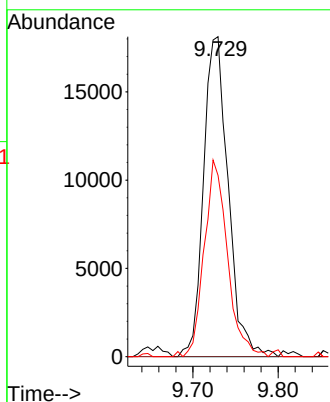
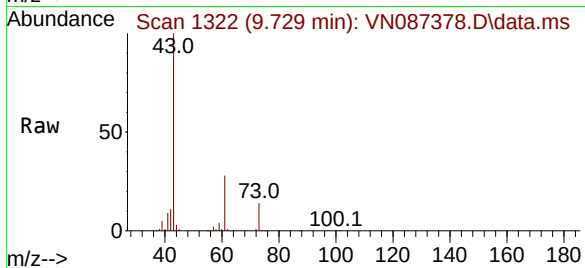
Tgt Ion: 41 Resp: 36475

Ion Ratio Lower Upper

41 100

69 0.0 64.1 96.1#

39 58.1 45.5 68.3



#50

Toluene-d8

Concen: 53.509 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087378.D

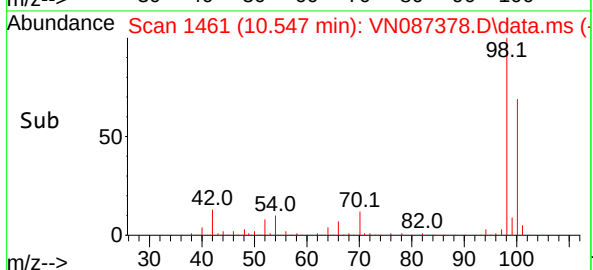
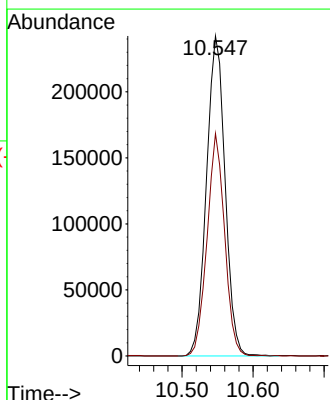
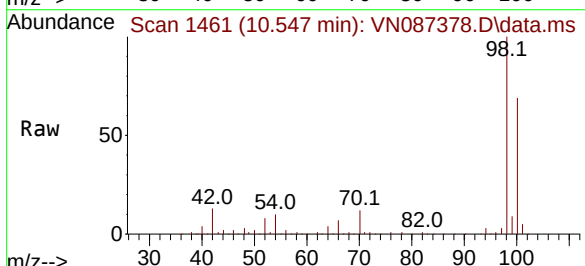
Acq: 21 Jul 2025 14:38

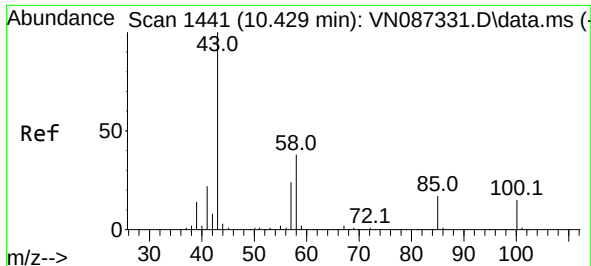
Tgt Ion: 98 Resp: 440507

Ion Ratio Lower Upper

98 100

100 65.7 52.1 78.1

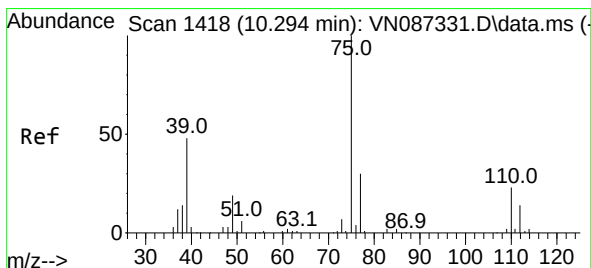
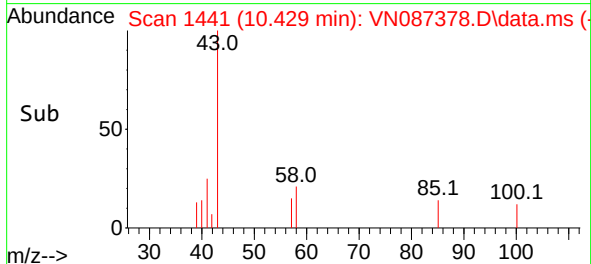
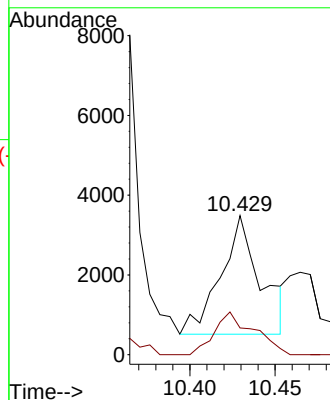
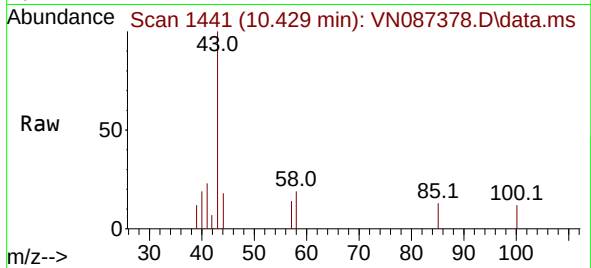




#51
4-Methyl-2-Pentanone
Concen: 1.113 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

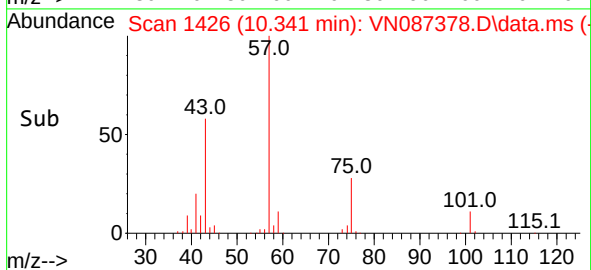
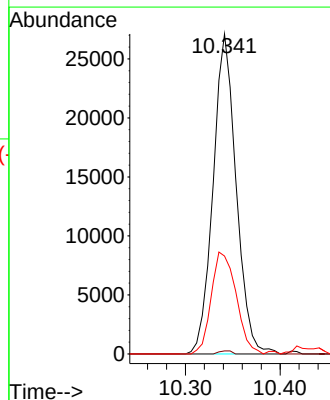
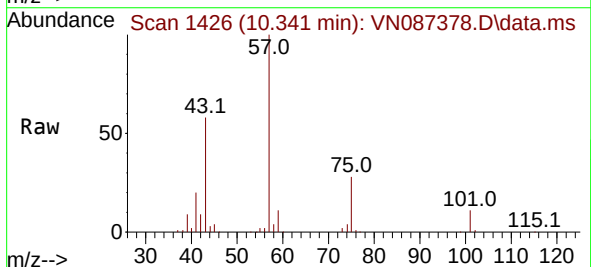
Instrument :
MSVOA_N
ClientSampleId :
WC-1

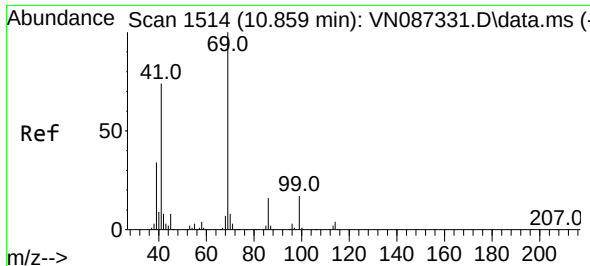
Tgt Ion: 43 Resp: 4814
Ion Ratio Lower Upper
43 100
58 35.8 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 11.630 ug/l
RT: 10.341 min Scan# 1426
Delta R.T. 0.047 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

Tgt Ion: 75 Resp: 45910
Ion Ratio Lower Upper
75 100
77 0.9 24.2 36.2#
39 30.6 38.4 57.6#

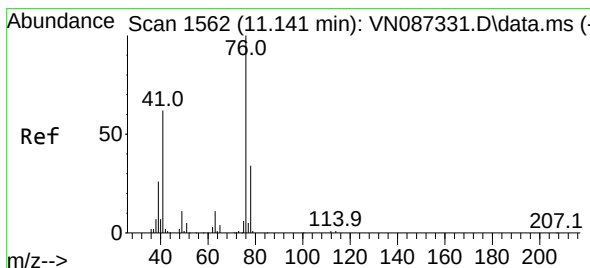
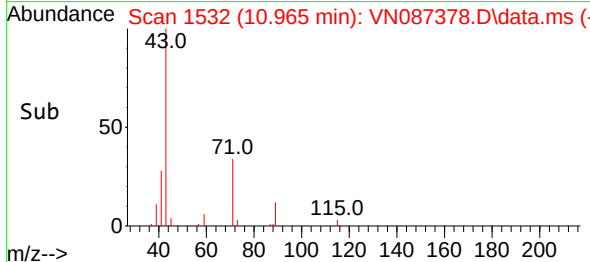
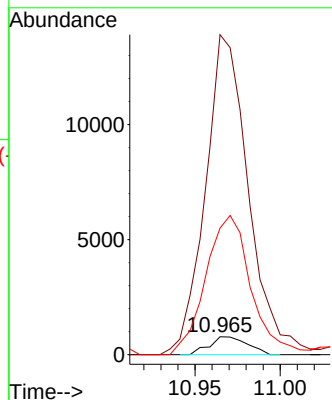
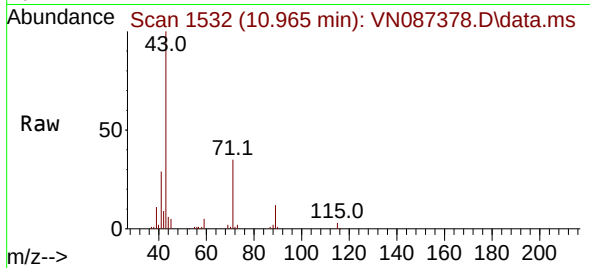




#56
Ethyl methacrylate
Concen: 0.940 ug/l
RT: 10.965 min Scan# 1532
Delta R.T. 0.106 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

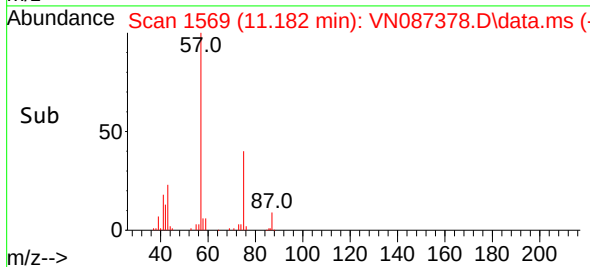
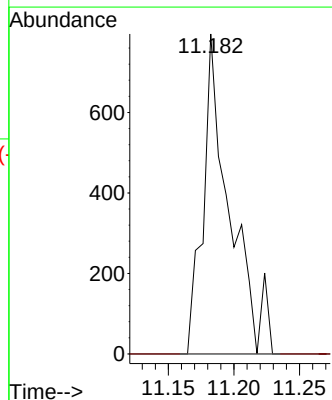
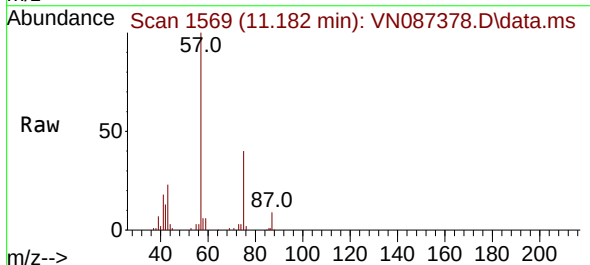
Instrument :
MSVOA_N
ClientSampleId :
WC-1

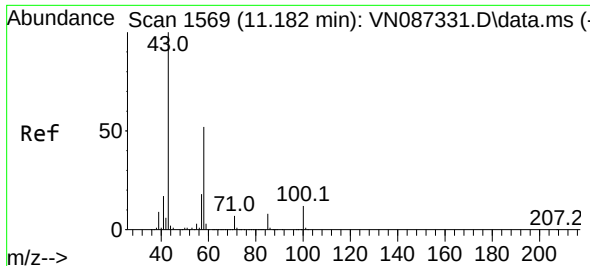
Tgt Ion: 69 Resp: 1219
Ion Ratio Lower Upper
69 100
41 2018.5 55.1 82.7#
39 919.3 27.9 41.9#



#57
1,3-Dichloropropane
Concen: 0.268 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. 0.041 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

Tgt Ion: 76 Resp: 1122
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

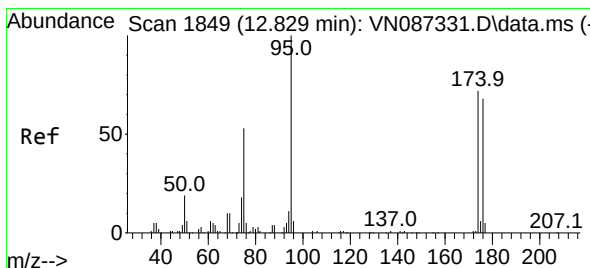
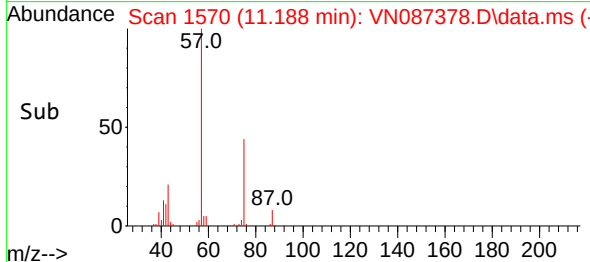
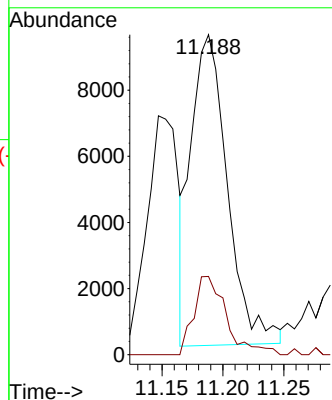
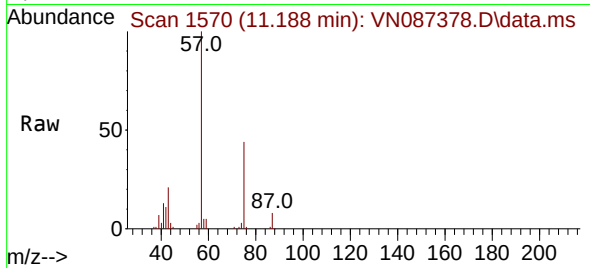




#59
2-Hexanone
Concen: 6.805 ug/l
RT: 11.188 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

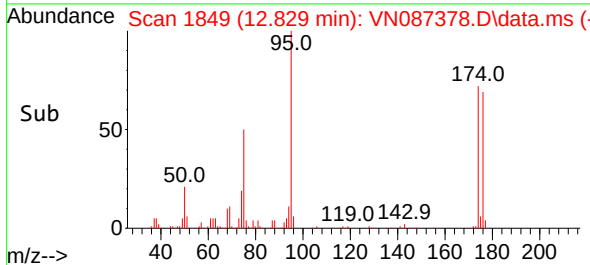
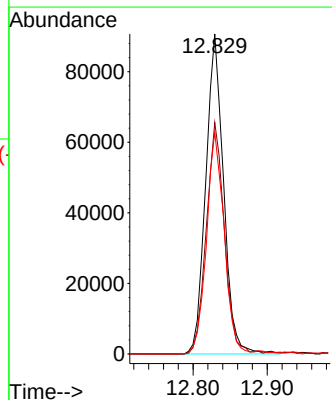
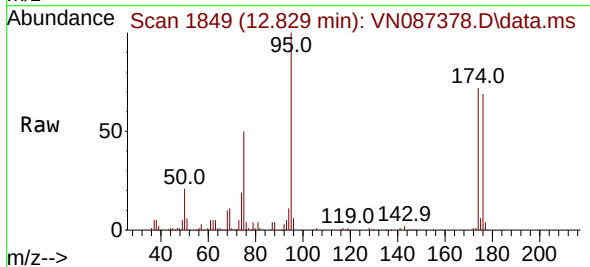
Instrument :
MSVOA_N
ClientSampleId :
WC-1

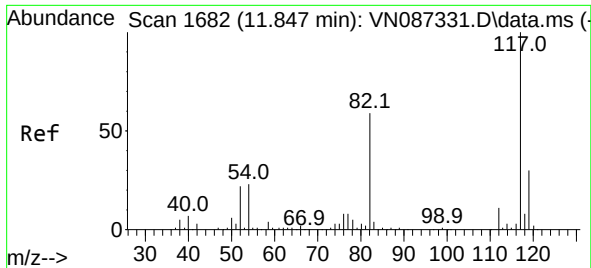
Tgt Ion: 43 Resp: 19519
Ion Ratio Lower Upper
43 100
58 22.7 26.7 80.0#



#62
4-Bromofluorobenzene
Concen: 49.833 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

Tgt Ion: 95 Resp: 151566
Ion Ratio Lower Upper
95 100
174 73.4 0.0 149.4
176 68.5 0.0 141.2

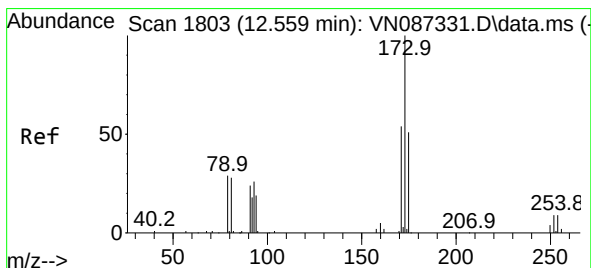
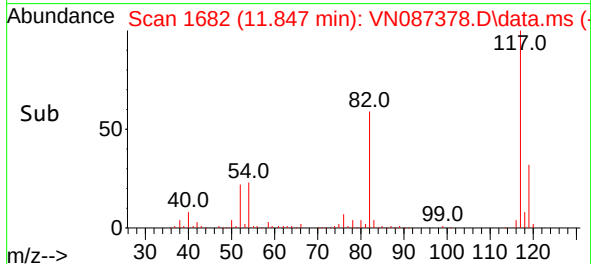
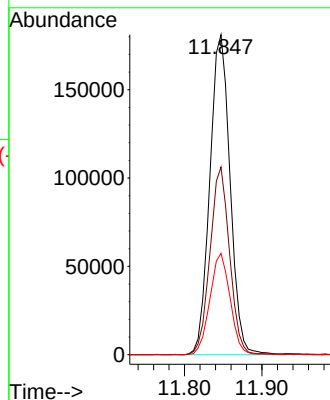
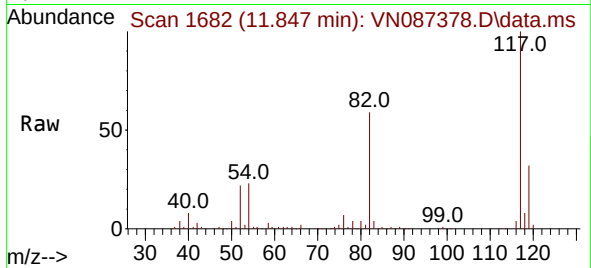




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

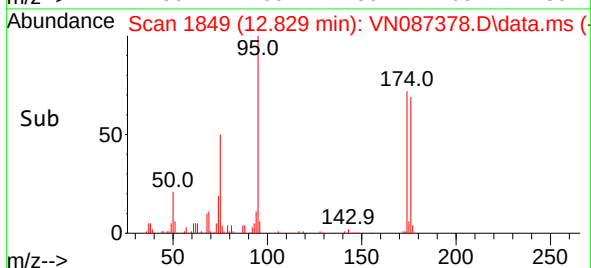
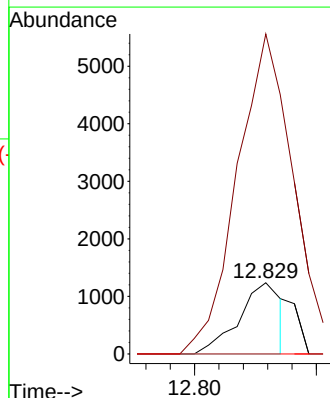
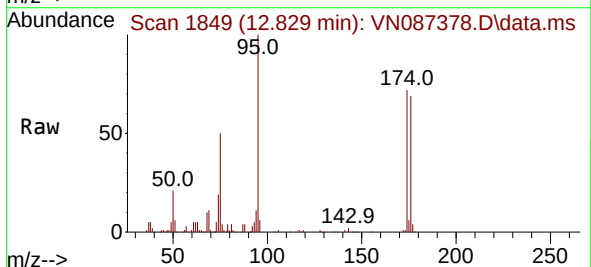
Instrument :
MSVOA_N
ClientSampleId :
WC-1

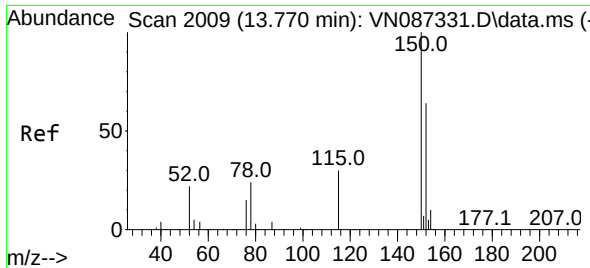
Tgt Ion:117 Resp: 329066
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 31.7 23.8 35.8



#71
Bromoform
Concen: 0.738 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.271 min
Lab File: VN087378.D
Acq: 21 Jul 2025 14:38

Tgt Ion:173 Resp: 1497
Ion Ratio Lower Upper
173 100
175 472.1 24.1 72.3#
254 0.0 0.0 0.0

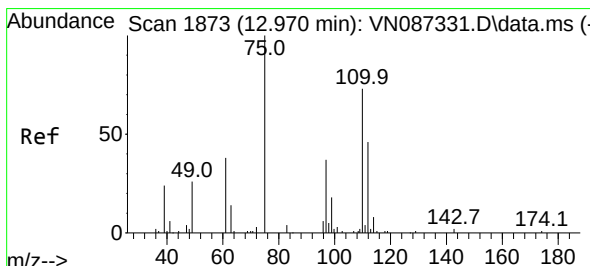
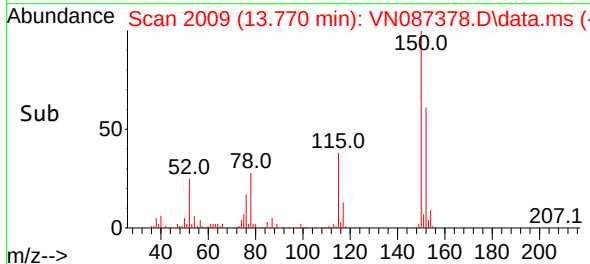
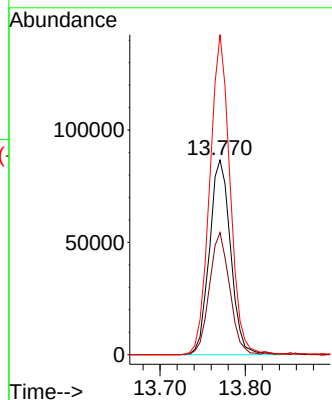
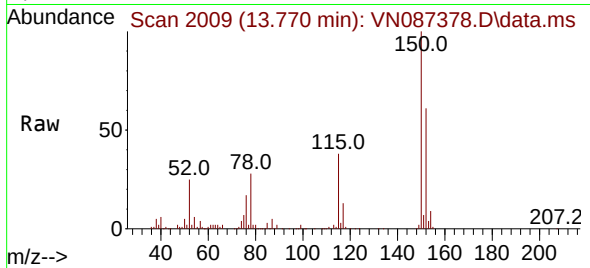




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN087378.D
 Acq: 21 Jul 2025 14:38

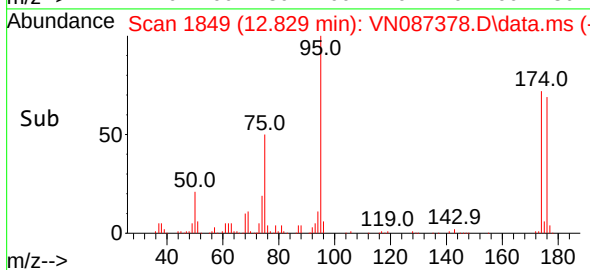
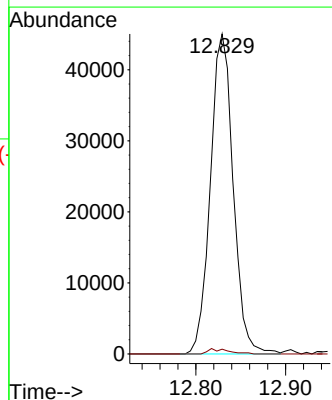
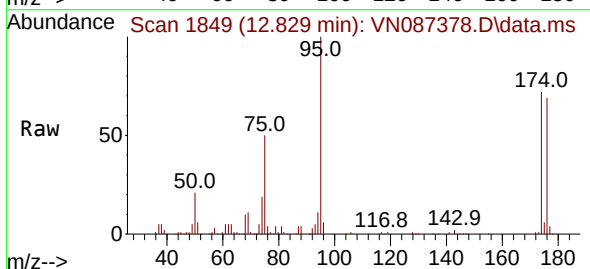
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

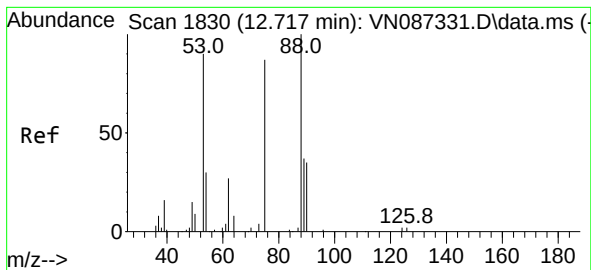
Tgt Ion:152 Resp: 149766
 Ion Ratio Lower Upper
 152 100
 115 60.3 31.1 93.5
 150 157.6 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 23.686 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087378.D
 Acq: 21 Jul 2025 14:38

Tgt Ion: 75 Resp: 79546
 Ion Ratio Lower Upper
 75 100
 77 1.5 94.5 283.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.808 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087378.D
 Acq: 21 Jul 2025 14:38

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Tgt Ion: 75 Resp: 79546
 Ion Ratio Lower Upper
 75 100
 53 0.1 83.5 125.3#
 89 0.0 38.4 57.6#

