

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032625\
 Data File : VN086130.D
 Acq On : 26 Mar 2025 16:48
 Operator : JC\MD
 Sample : Q1636-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-4

Quant Time: Mar 27 01:41:01 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	177390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118685	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129785	53.430	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.860%	
35) Dibromofluoromethane	8.165	113	114159	50.467	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.940%	
50) Toluene-d8	10.565	98	417529	50.858	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.720%	
62) 4-Bromofluorobenzene	12.847	95	137125	46.835	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 93.660%	

Target Compounds				Qvalue		
3) Chloromethane	2.365	50	594	0.288	ug/l #	42
5) Bromomethane	2.977	94	917	0.639	ug/l #	74
10) Methyl Iodide	4.589	142	702	0.268	ug/l #	38
11) Tert butyl alcohol	5.518	59	1409	4.097	ug/l #	73
13) Acrolein	4.195	56	382	1.041	ug/l #	15
15) Acrylonitrile	5.742	53	786	0.865	ug/l #	38
16) Acetone	4.430	43	101153	136.305	ug/l	98
17) Carbon Disulfide	4.706	76	3152	0.527	ug/l #	74
18) Methyl Acetate	5.036	43	3320	1.808	ug/l #	45
20) Methylene Chloride	5.271	84	5903	2.719	ug/l	92
25) 2-Butanone	7.489	43	13657	12.754	ug/l	94
29) Tetrahydrofuran	7.841	42	689	1.042	ug/l #	61
31) Cyclohexane	8.218	56	3438	1.136	ug/l #	1
37) Ethyl Acetate	7.489	43	13657	5.435	ug/l #	65
38) Carbon Tetrachloride	8.224	117	18531	4.732	ug/l #	14
43) Isopropyl Acetate	8.688	43	29709	5.456	ug/l #	73
48) Methyl methacrylate	9.741	41	59369	33.040	ug/l #	32
51) 4-Methyl-2-Pentanone	10.441	43	10932	4.552	ug/l #	74
54) cis-1,3-Dichloropropene	10.353	75	25847	7.217	ug/l #	67
56) Ethyl methacrylate	10.865	69	137	0.237	ug/l #	33
57) 1,3-Dichloropropane	11.200	76	3001	0.807	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.165	63	78	3.524	ug/l #	43
59) 2-Hexanone	11.200	43	48367	27.647	ug/l #	44
64) Tetrachloroethene	11.106	164	502	0.205	ug/l #	47
65) Chlorobenzene	11.888	112	1478	0.210	ug/l #	88
68) m/p-Xylenes	12.076	106	1145	0.259	ug/l	79
74) N-amyl acetate	12.453	43	2015	0.743	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	67186	25.285	ug/l #	1
77) Bromobenzene	12.976	156	780	0.345	ug/l	88
78) n-propylbenzene	13.035	91	2272	0.248	ug/l	84
79) 2-Chlorotoluene	13.229	91	1659	0.272	ug/l	79
80) 1,3,5-Trimethylbenzene	13.171	105	1590	0.232	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.847	75	67186	66.850	ug/l #	16
82) 4-Chlorotoluene	13.229	91	1659	0.265	ug/l	77
83) tert-Butylbenzene	13.429	119	1227	0.210	ug/l #	81
84) 1,2,4-Trimethylbenzene	13.476	105	1535	0.222	ug/l	83

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QLast Update : Wed Mar 19 03:20:56 2025
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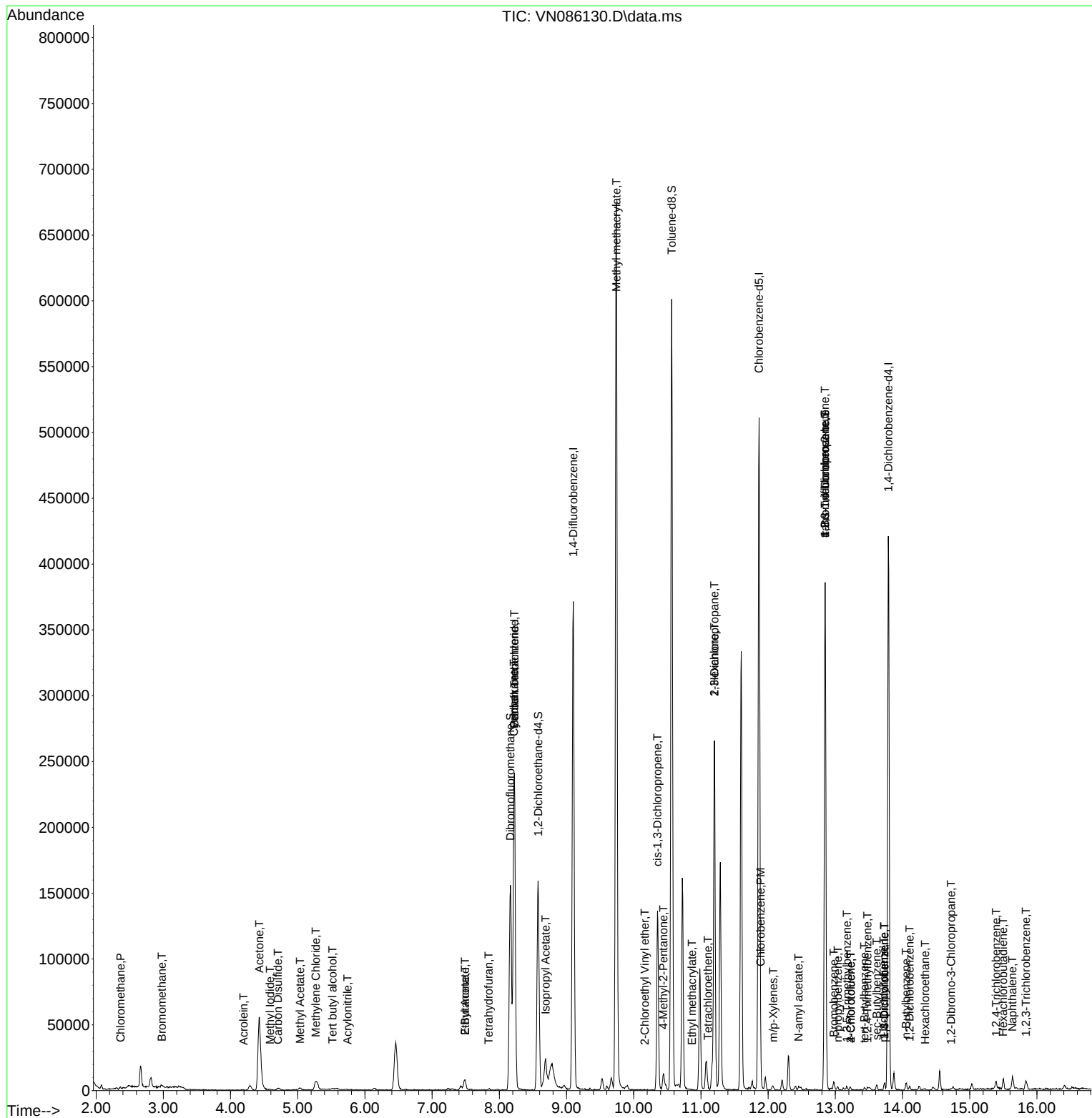
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.618	105	2671	0.350	ug/l	90
86) p-Isopropyltoluene	13.718	119	1775	0.275	ug/l	90
87) 1,3-Dichlorobenzene	13.729	146	1652	0.406	ug/l	91
88) 1,4-Dichlorobenzene	13.729	146	1652	0.386	ug/l	92
89) n-Butylbenzene	14.053	91	3978	0.756	ug/l	91
90) Hexachloroethane	14.335	117	310	0.208	ug/l	61
91) 1,2-Dichlorobenzene	14.106	146	1452	0.359	ug/l	87
92) 1,2-Dibromo-3-Chloropr...	14.723	75	255	0.466	ug/l	77
93) 1,2,4-Trichlorobenzene	15.394	180	2654	1.303	ug/l	97
94) Hexachlorobutadiene	15.494	225	1884	1.595	ug/l	98
95) Naphthalene	15.635	128	10472	1.776	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	3050	1.579	ug/l	94

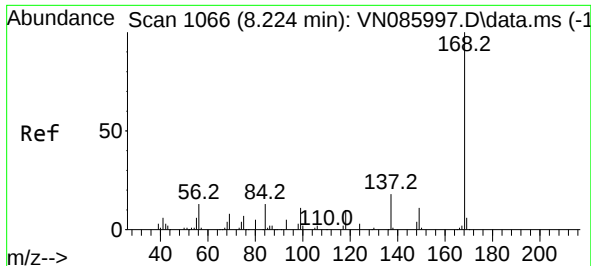
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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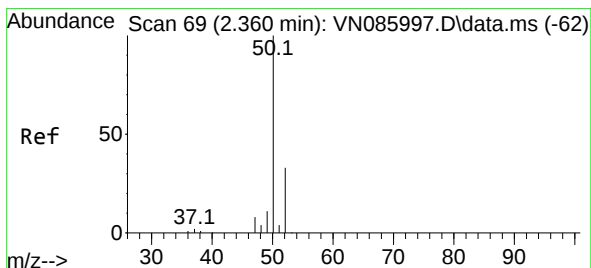
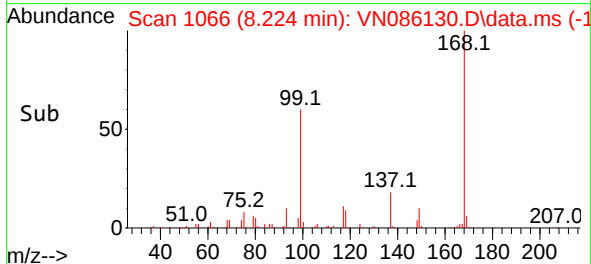
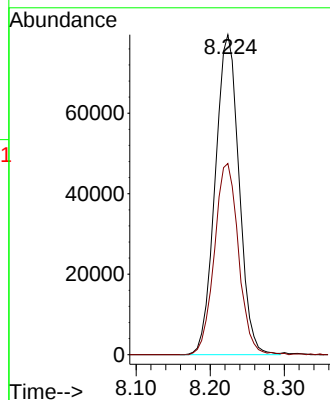
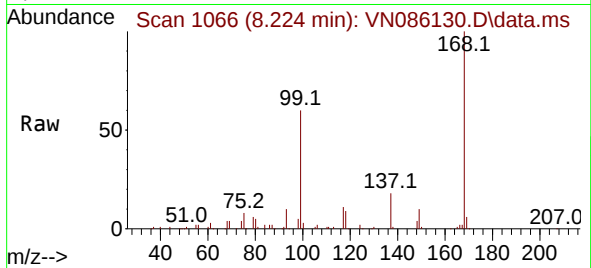




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
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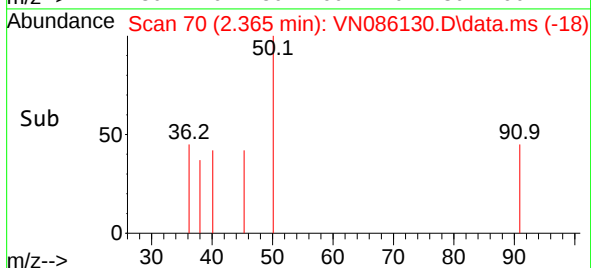
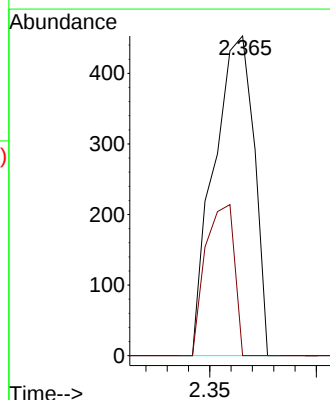
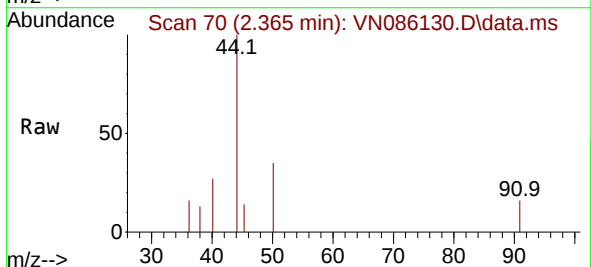
Instrument :
MSVOA_N
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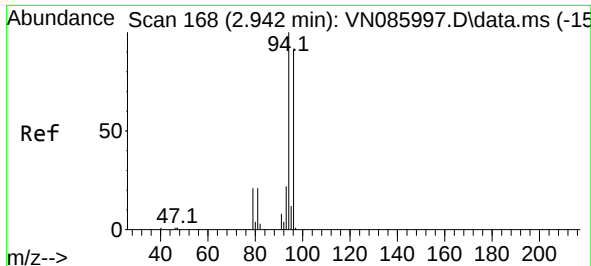
Tgt Ion:168 Resp: 177390
Ion Ratio Lower Upper
168 100
99 59.8 49.4 74.2



#3
Chloromethane
Concen: 0.288 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 50 Resp: 594
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

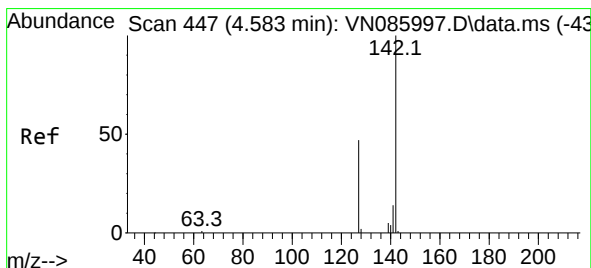
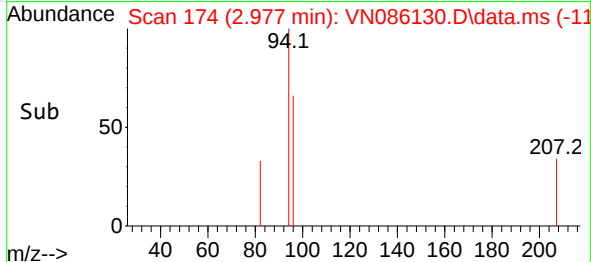
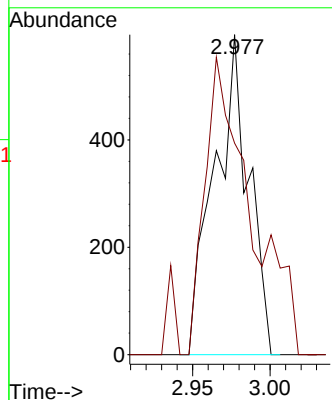
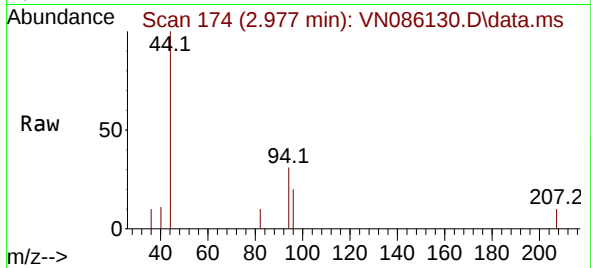




#5
Bromomethane
Concen: 0.639 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

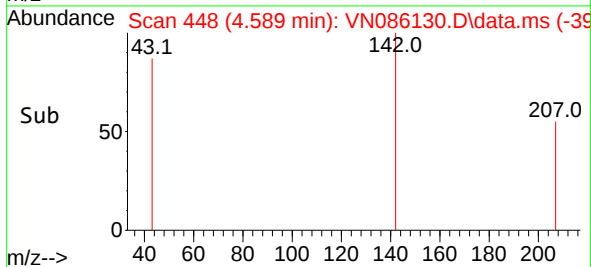
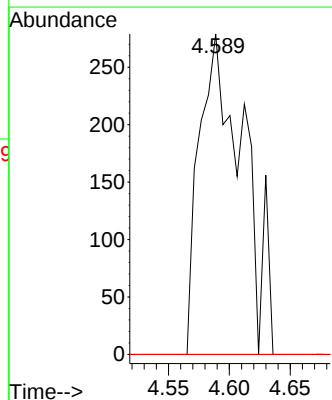
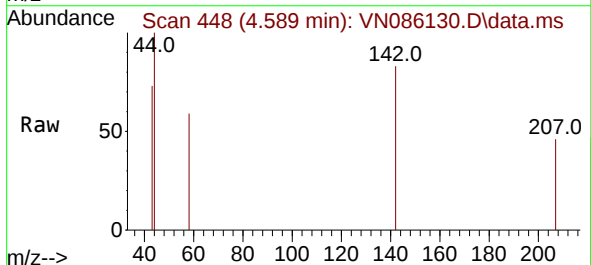
Instrument :
MSVOA_N
ClientSampleId :
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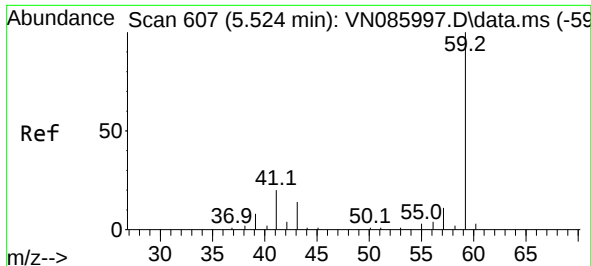
Tgt Ion: 94 Resp: 917
Ion Ratio Lower Upper
94 100
96 66.1 72.8 109.2#



#10
Methyl Iodide
Concen: 0.268 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion:142 Resp: 702
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 11.0 16.6#

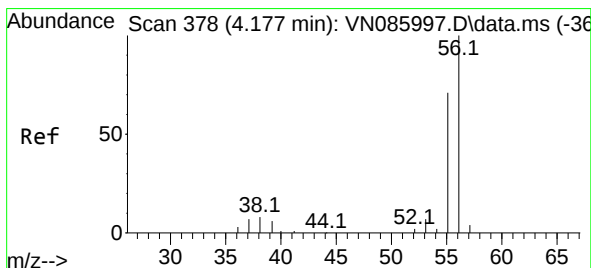
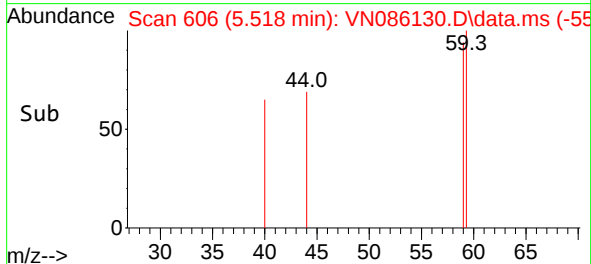
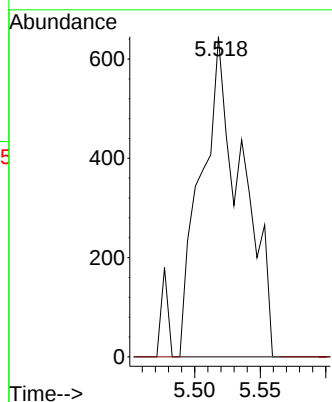
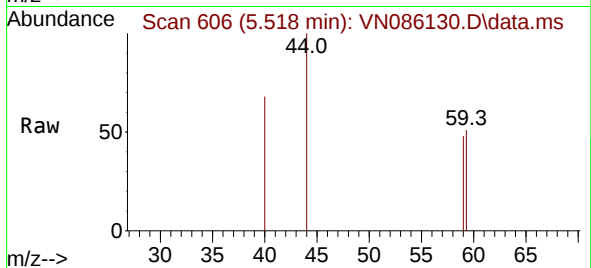




#11
Tert butyl alcohol
Concen: 4.097 ug/l
RT: 5.518 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

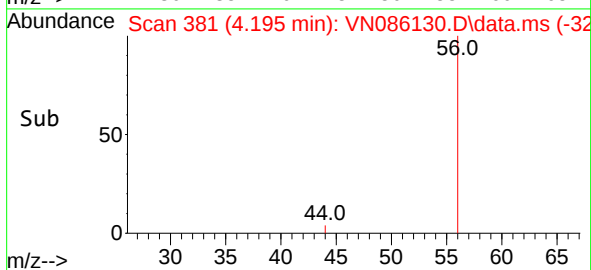
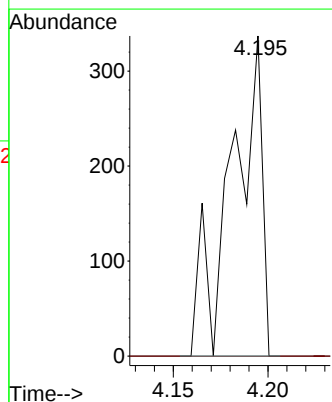
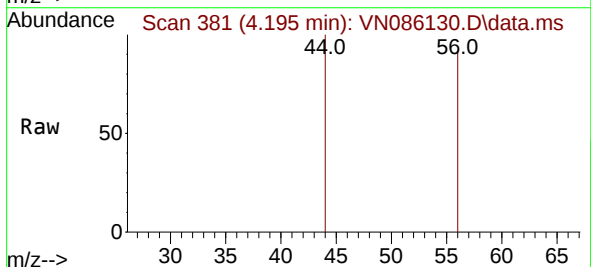
Instrument :
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ClientSampleId :
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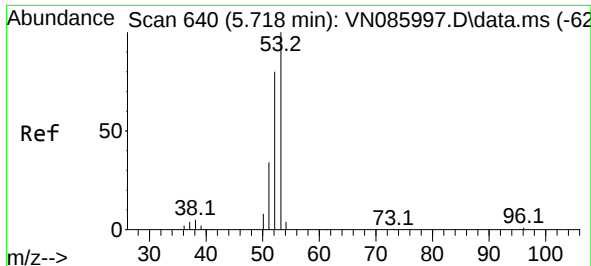
Tgt Ion: 59 Resp: 1409
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#13
Acrolein
Concen: 1.041 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 56 Resp: 382
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#

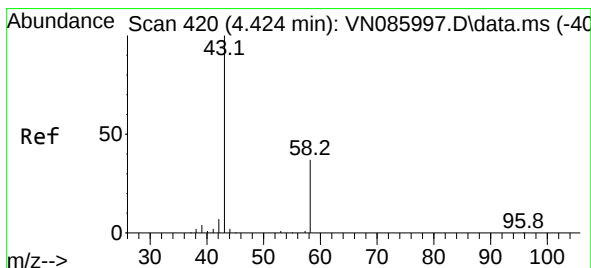
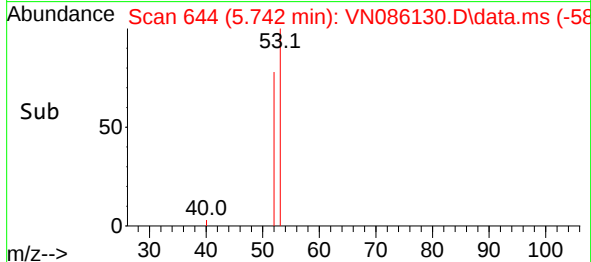
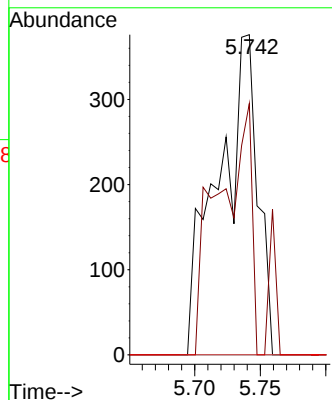
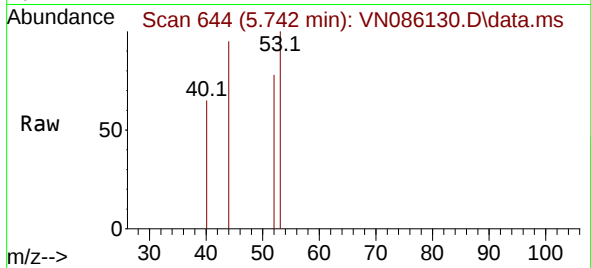




#15
Acrylonitrile
Concen: 0.865 ug/l
RT: 5.742 min Scan# 644
Delta R.T. 0.023 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

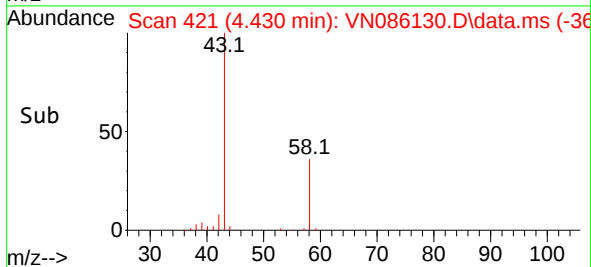
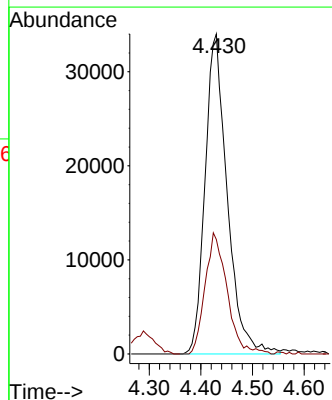
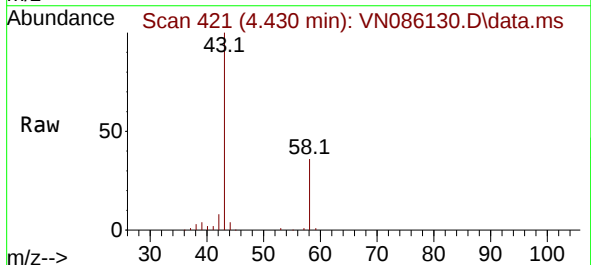
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ClientSampleId :
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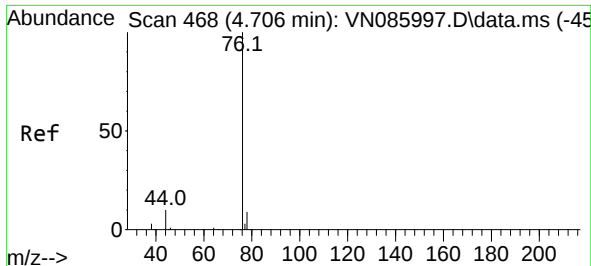
Tgt Ion: 53 Resp: 786
Ion Ratio Lower Upper
53 100
52 24.3 63.9 95.9#
51 0.0 27.1 40.7#



#16
Acetone
Concen: 136.305 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 43 Resp: 101153
Ion Ratio Lower Upper
43 100
58 35.8 29.4 44.2

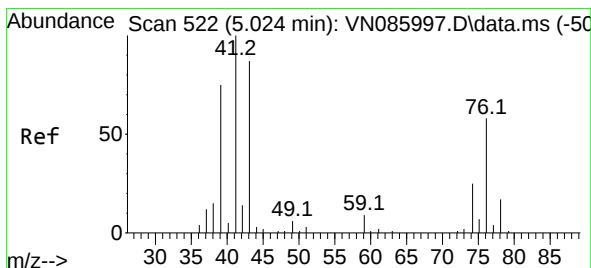
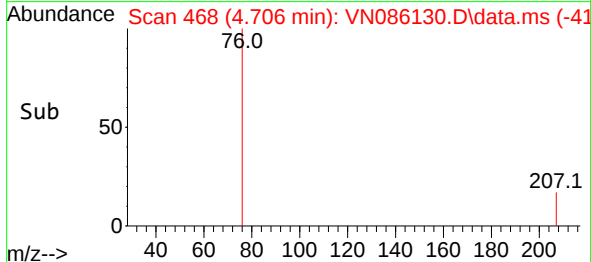
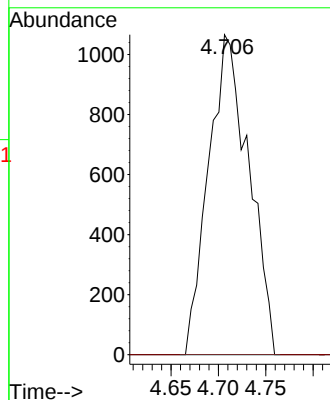
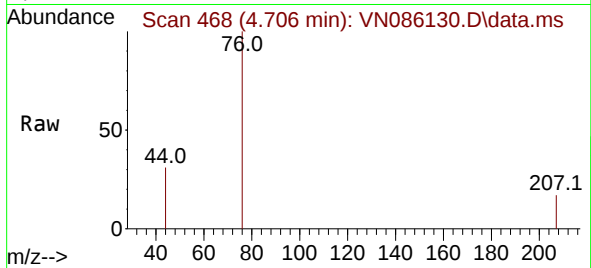




#17
Carbon Disulfide
Concen: 0.527 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

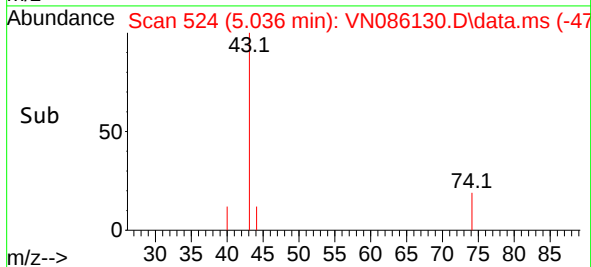
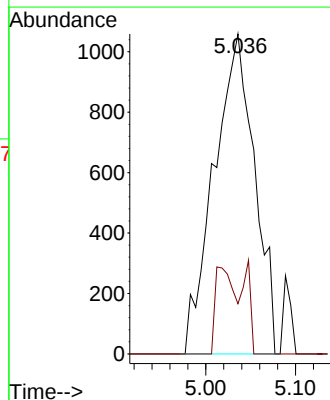
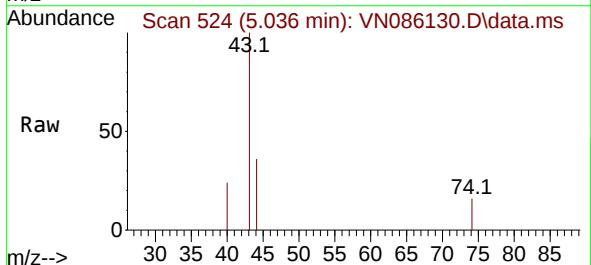
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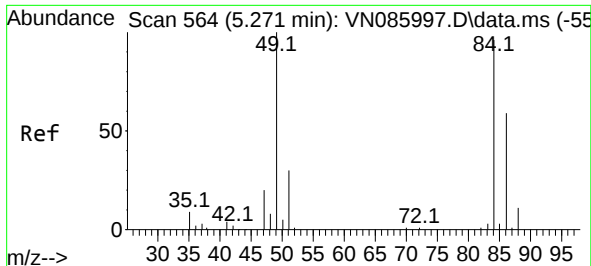
Tgt Ion: 76 Resp: 3152
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#18
Methyl Acetate
Concen: 1.808 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 43 Resp: 3320
Ion Ratio Lower Upper
43 100
74 0.0 23.9 35.9#

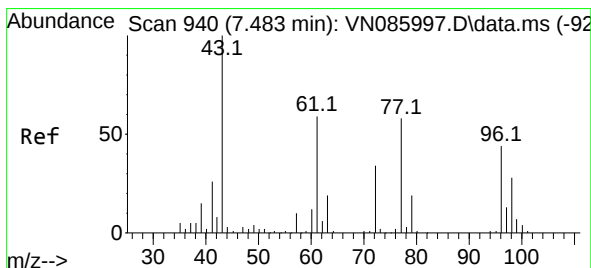
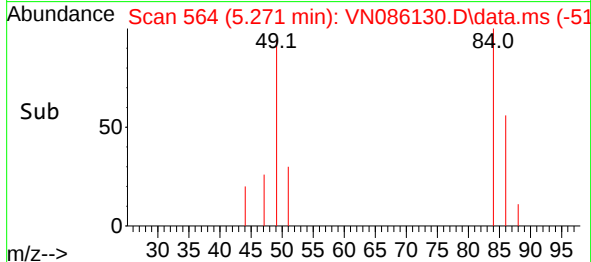
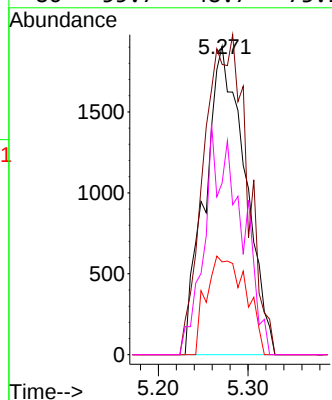
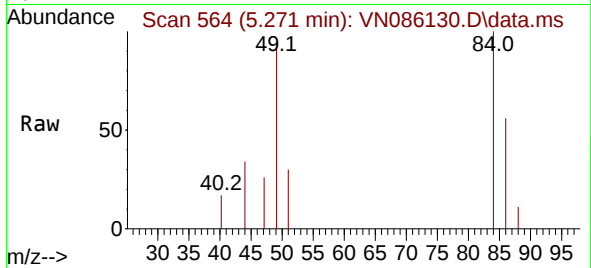




#20
Methylene Chloride
Concen: 2.719 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

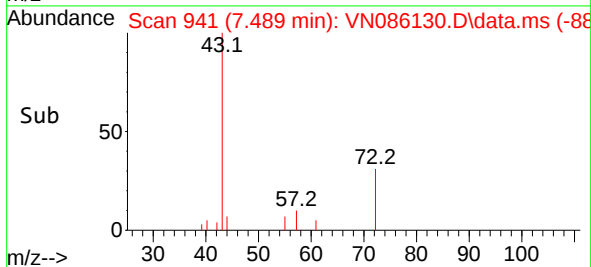
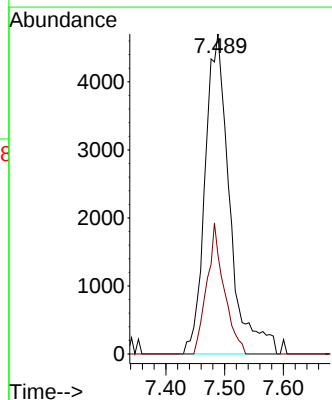
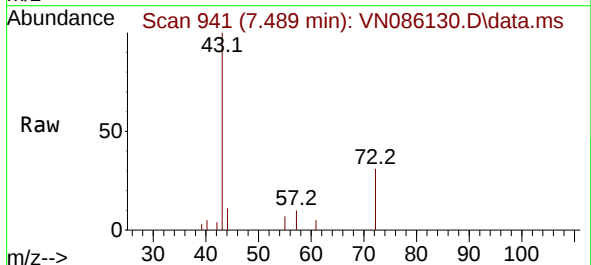
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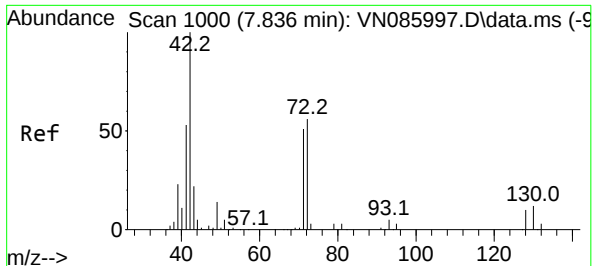
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Ion Ratio	Lower Upper
84 100	
49 94.1	83.3 124.9
51 30.1	24.8 37.2
86 55.7	48.7 73.1



#25
2-Butanone
Concen: 12.754 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 43	Resp: 13657
Ion Ratio	Lower Upper
43 100	
72 31.0	27.4 41.0





#29

Tetrahydrofuran

Concen: 1.042 ug/l

RT: 7.841 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VN086130.D

Acq: 26 Mar 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

WC-4

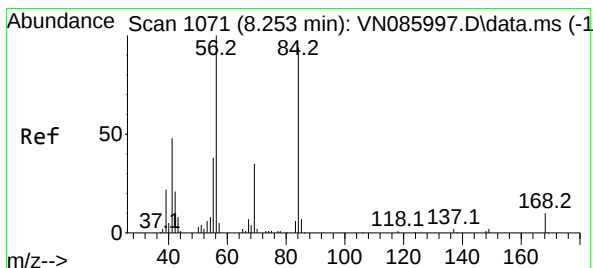
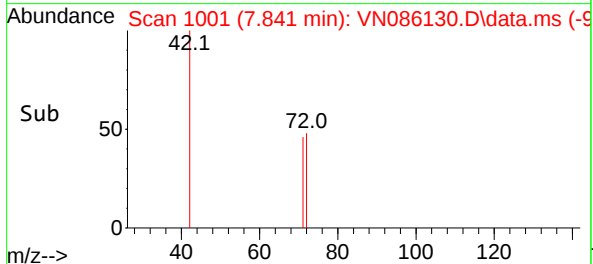
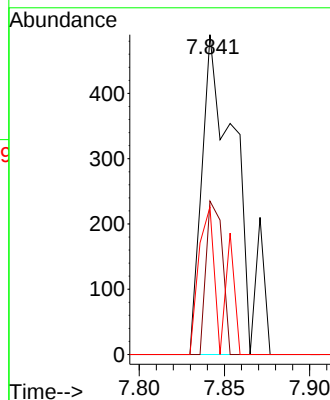
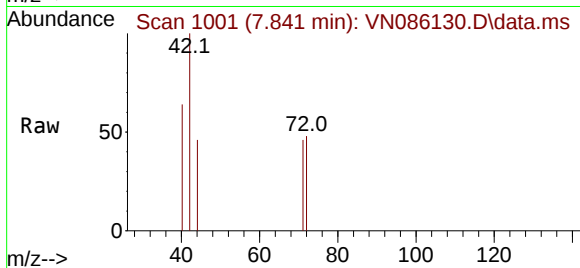
Tgt Ion: 42 Resp: 689

Ion Ratio Lower Upper

42 100

72 22.6 45.0 67.4#

71 29.9 41.9 62.9#



#31

Cyclohexane

Concen: 1.136 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN086130.D

Acq: 26 Mar 2025 16:48

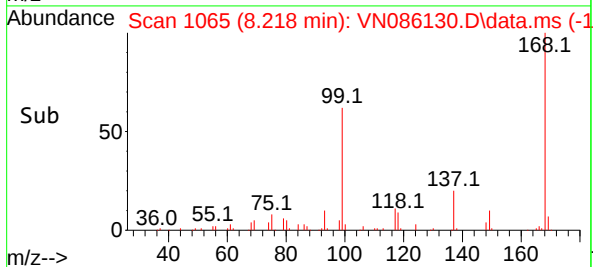
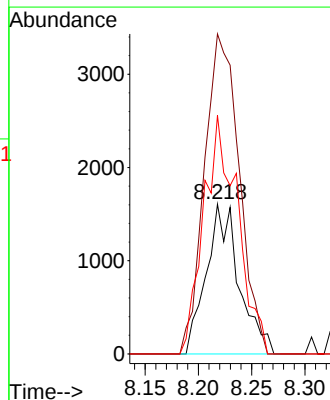
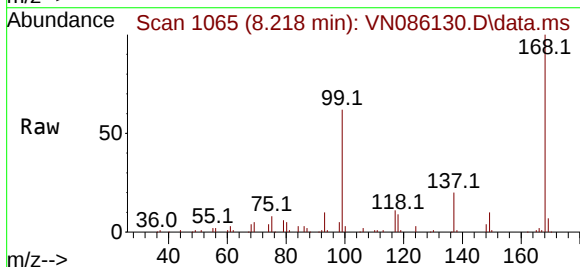
Tgt Ion: 56 Resp: 3438

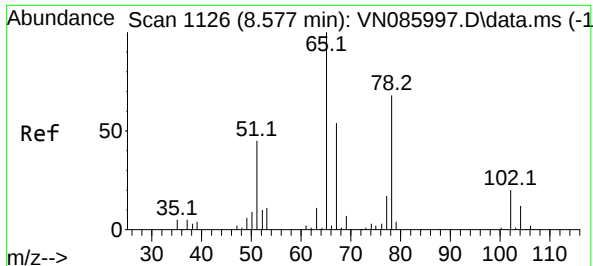
Ion Ratio Lower Upper

56 100

69 213.7 28.0 42.0#

84 159.3 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 53.430 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086130.D

Acq: 26 Mar 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

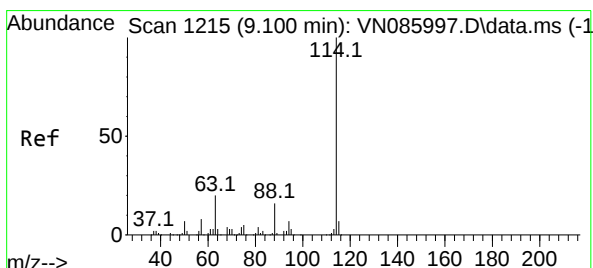
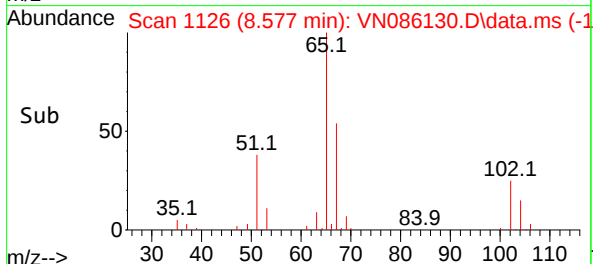
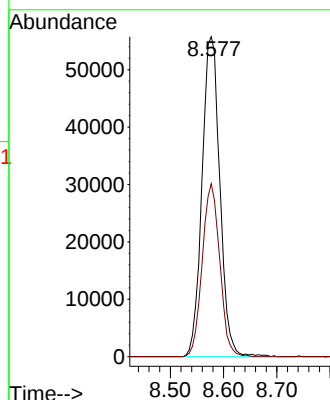
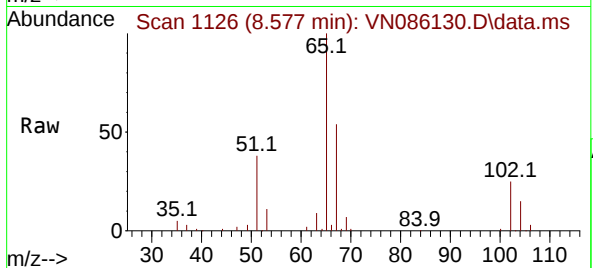
WC-4

Tgt Ion: 65 Resp: 129785

Ion Ratio Lower Upper

65 100

67 52.9 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: VN086130.D

Acq: 26 Mar 2025 16:48

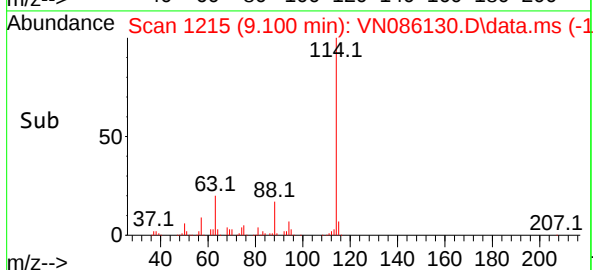
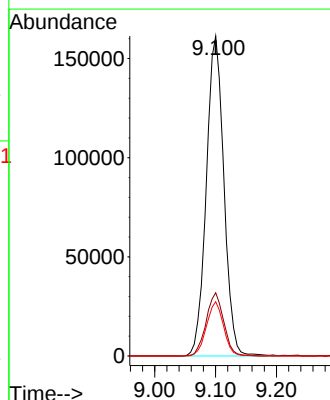
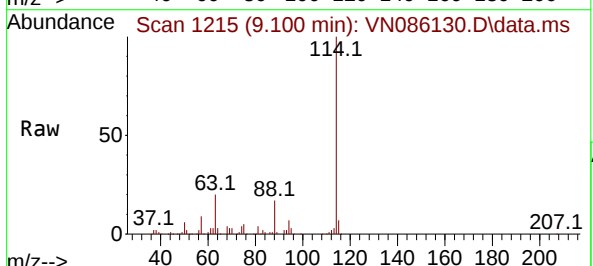
Tgt Ion: 114 Resp: 324084

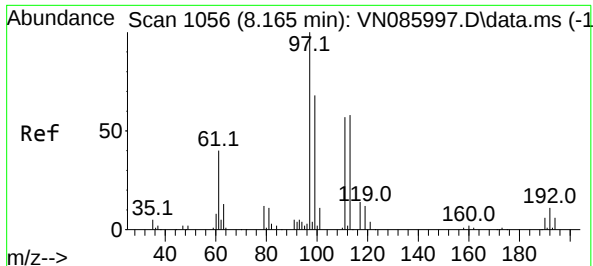
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 16.9 0.0 32.6

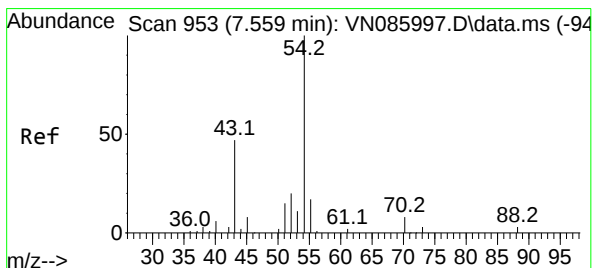
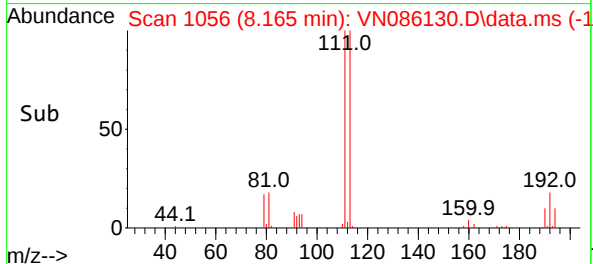
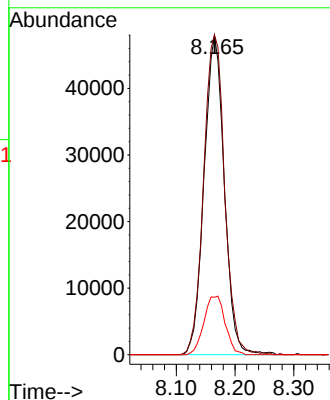
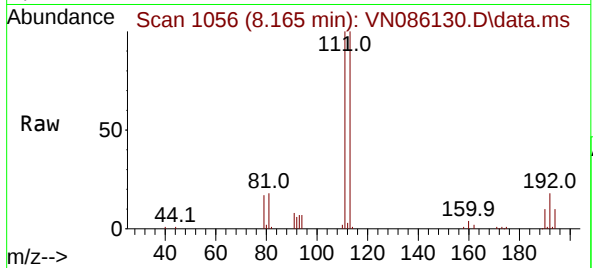




#35
Dibromofluoromethane
Concen: 50.467 ug/l
RT: 8.165 min Scan# 1113
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

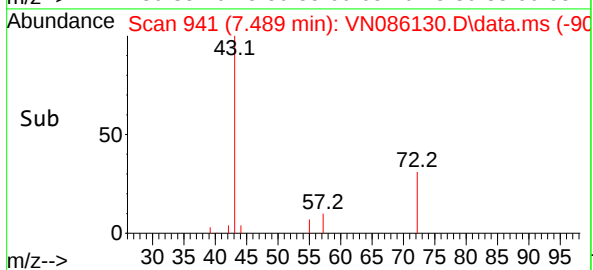
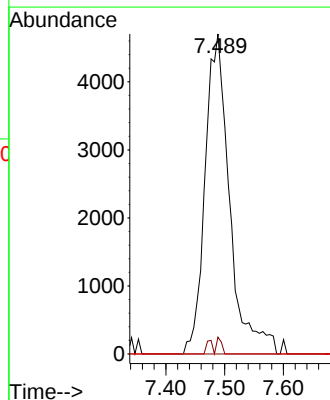
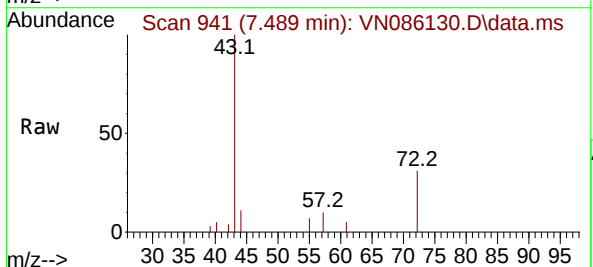
Instrument :
MSVOA_N
ClientSampleId :
WC-4

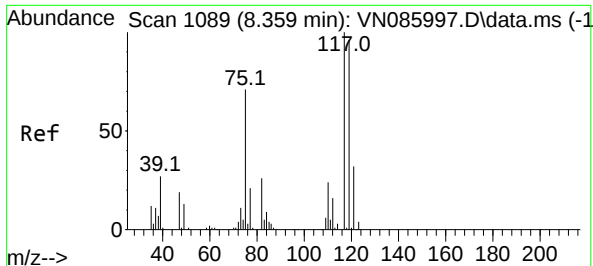
Tgt Ion:113 Resp: 114159
Ion Ratio Lower Upper
113 100
111 104.0 81.8 122.8
192 19.3 15.9 23.9



#37
Ethyl Acetate
Concen: 5.435 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 43 Resp: 13657
Ion Ratio Lower Upper
43 100
61 1.1 13.0 19.4#
70 0.0 11.0 16.6#

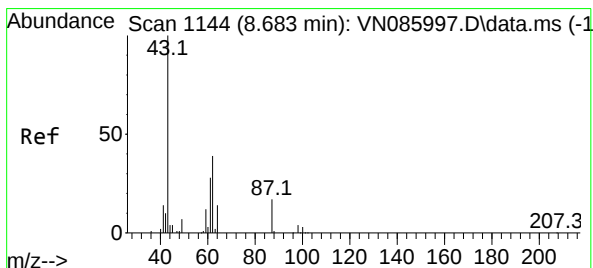
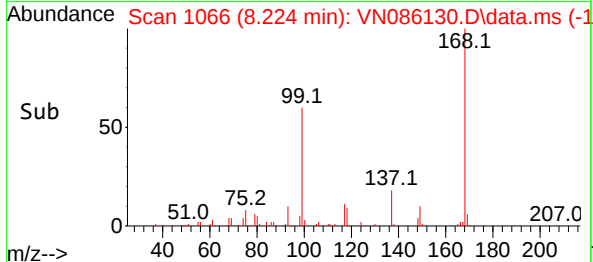
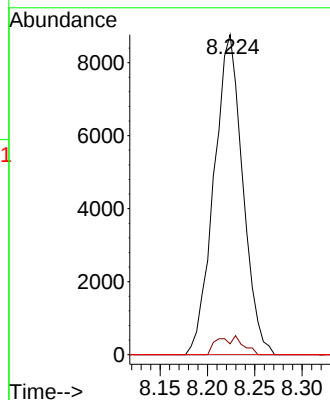
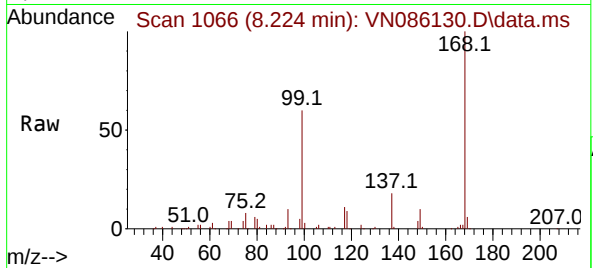




#38
Carbon Tetrachloride
Concen: 4.732 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

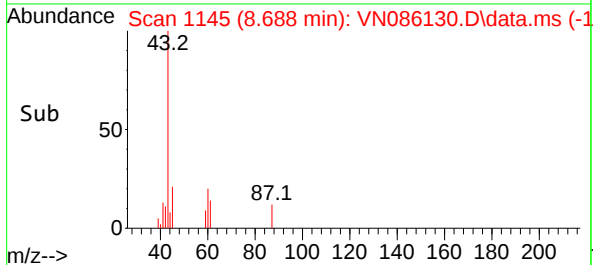
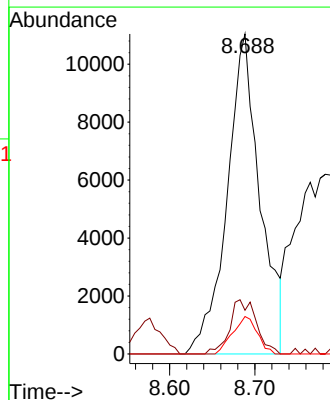
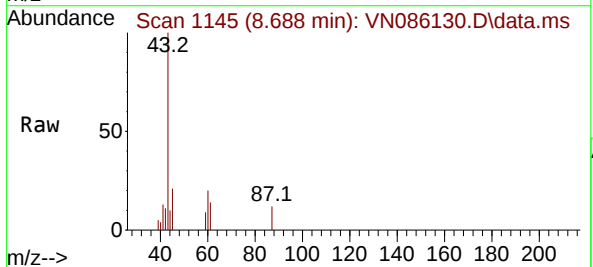
Instrument :
MSVOA_N
ClientSampleId :
WC-4

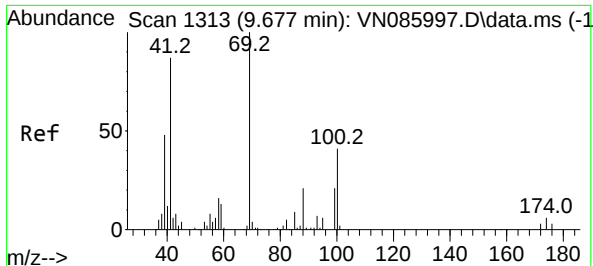
Tgt Ion:117 Resp: 18531
Ion Ratio Lower Upper
117 100
119 3.4 77.0 115.4#
121 0.0 25.6 38.4#



#43
Isopropyl Acetate
Concen: 5.456 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 43 Resp: 29709
Ion Ratio Lower Upper
43 100
61 13.8 25.0 37.6#
87 8.7 13.0 19.4#

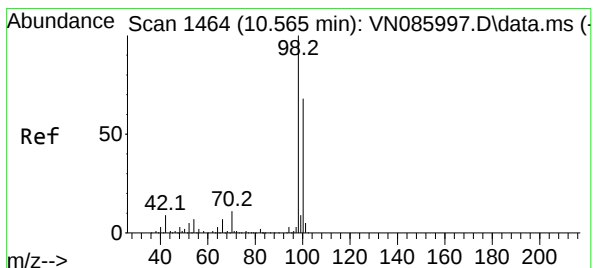
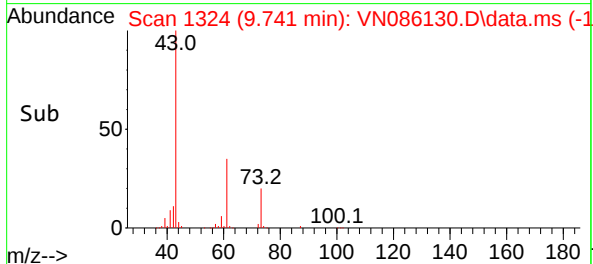
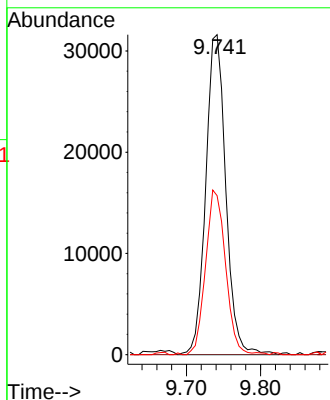
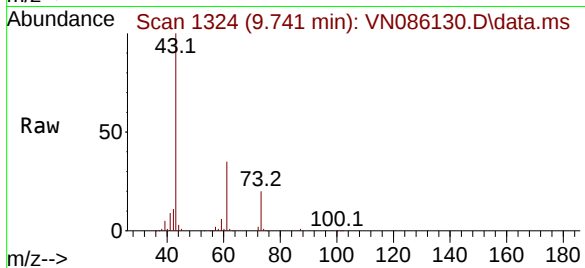




#48
Methyl methacrylate
Concen: 33.040 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

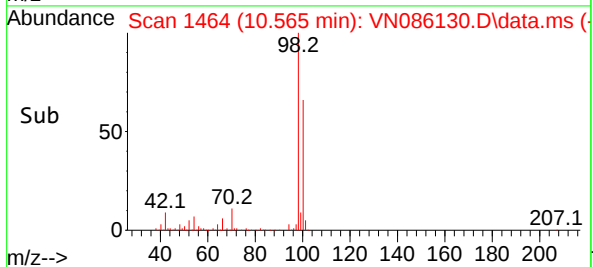
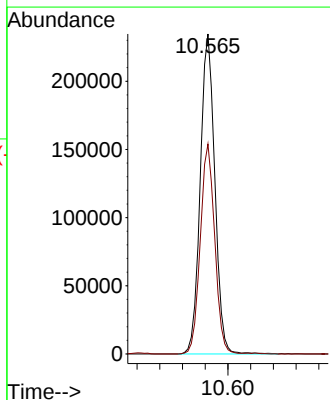
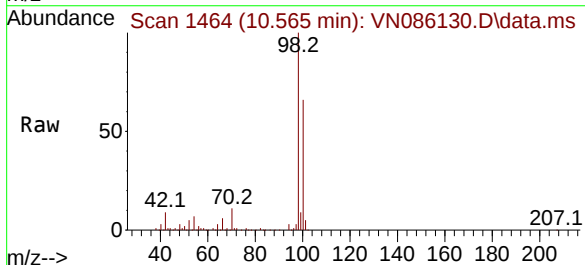
Instrument :
MSVOA_N
ClientSampleId :
WC-4

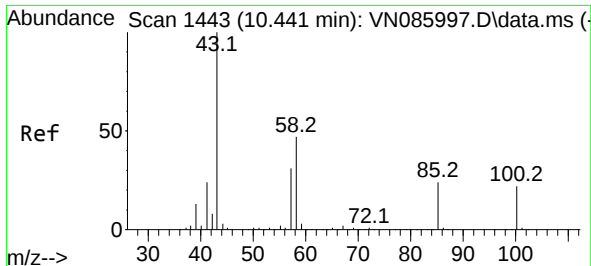
Tgt Ion: 41 Resp: 59369
Ion Ratio Lower Upper
41 100
69 0.0 83.1 124.7#
39 51.1 45.6 68.4



#50
Toluene-d8
Concen: 50.858 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 98 Resp: 417529
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7

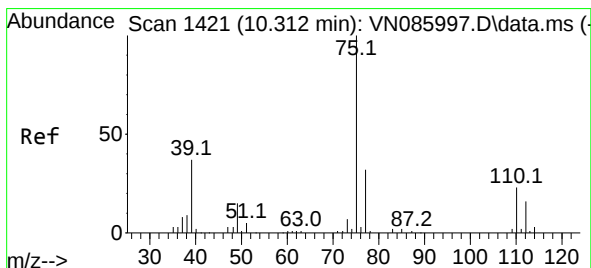
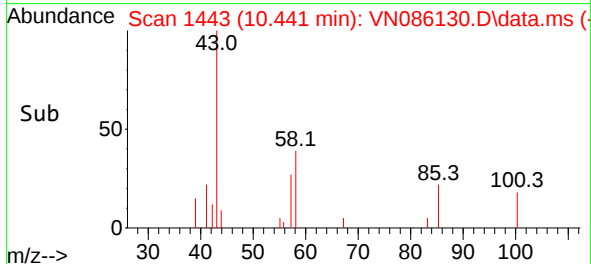
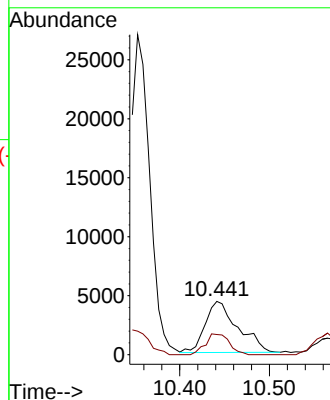
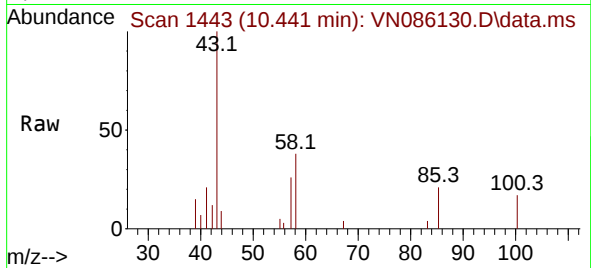




#51
4-Methyl-2-Pentanone
Concen: 4.552 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

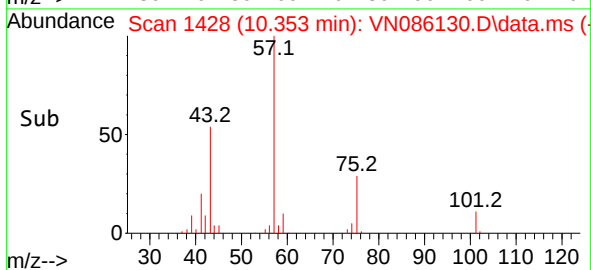
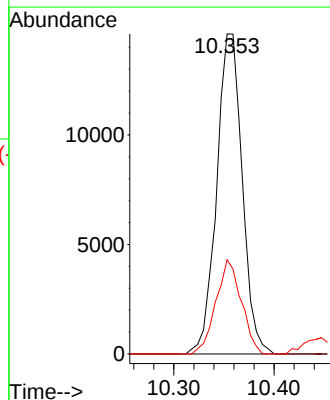
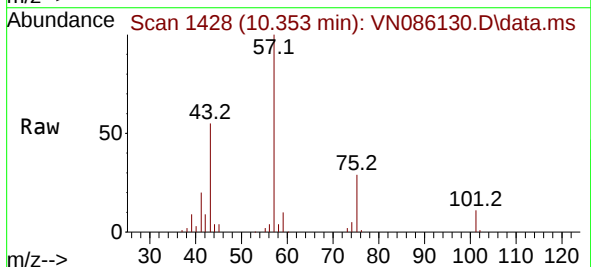
Instrument :
MSVOA_N
ClientSampleId :
WC-4

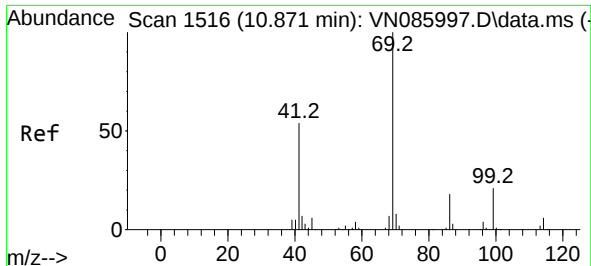
Tgt Ion: 43 Resp: 10932
Ion Ratio Lower Upper
43 100
58 29.6 37.4 56.0#



#54
cis-1,3-Dichloropropene
Concen: 7.217 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 75 Resp: 25847
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 29.4 29.6 44.4#

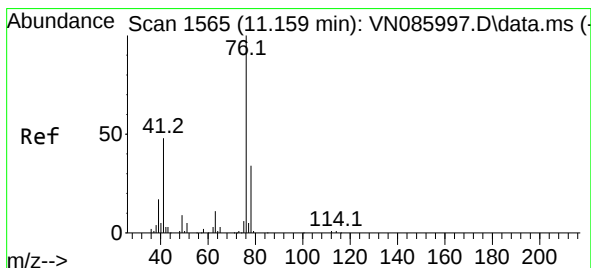
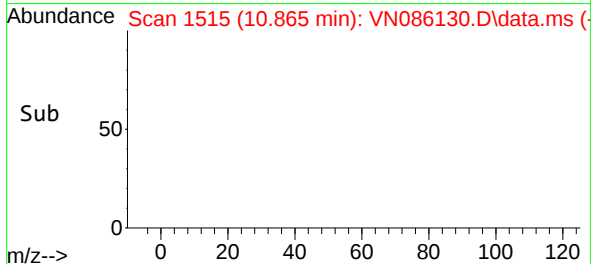
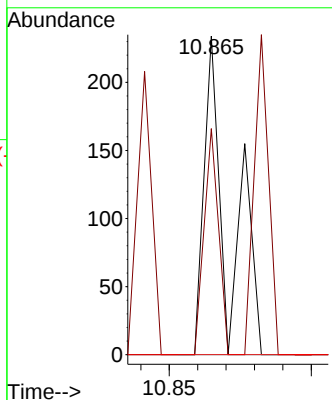
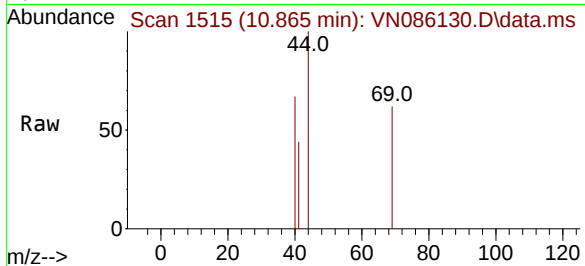




#56
Ethyl methacrylate
Concen: 0.237 ug/l
RT: 10.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

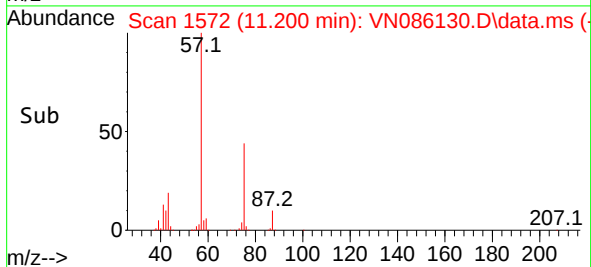
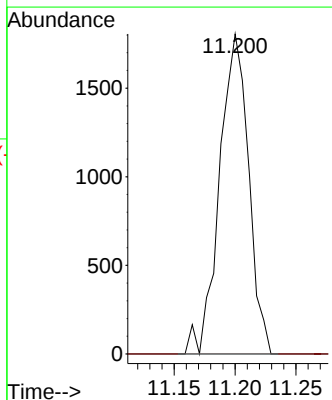
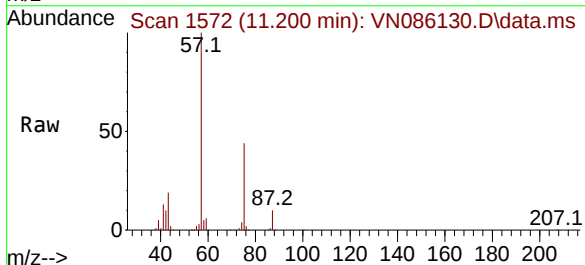
Instrument :
MSVOA_N
ClientSampleId :
WC-4

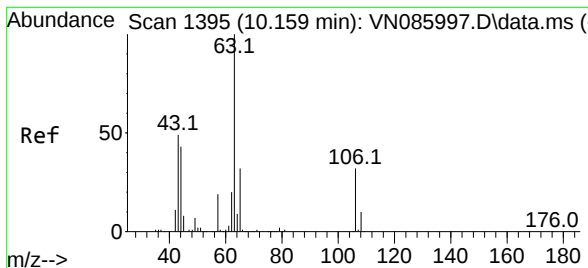
Tgt Ion: 69 Resp: 137
Ion Ratio Lower Upper
69 100
41 0.0 41.6 62.4#
39 0.0 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 0.807 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 76 Resp: 3001
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

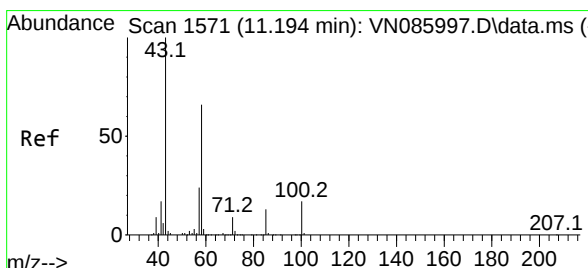
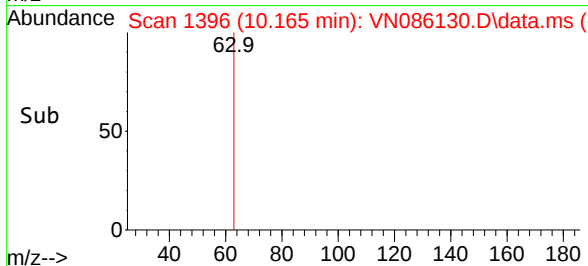
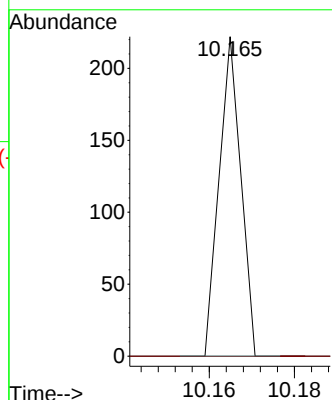
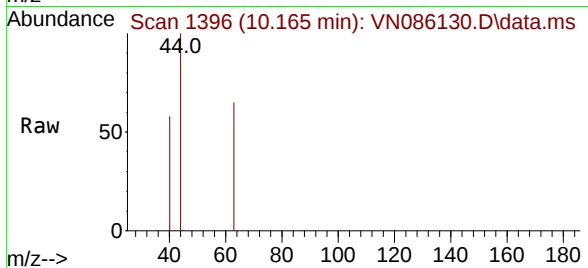




#58
2-Chloroethyl Vinyl ether
Concen: 3.524 ug/l
RT: 10.165 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

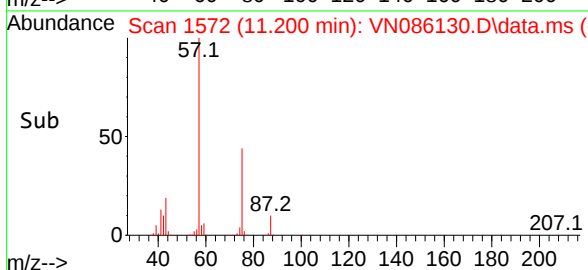
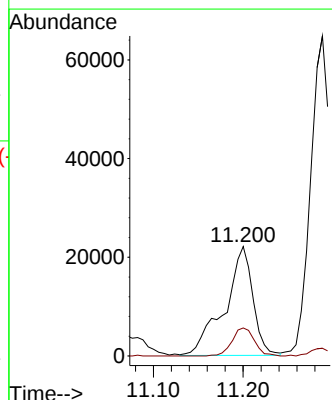
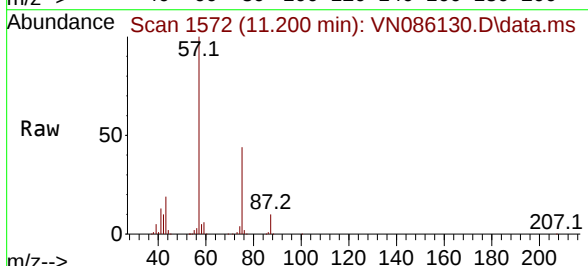
Instrument :
MSVOA_N
ClientSampleId :
WC-4

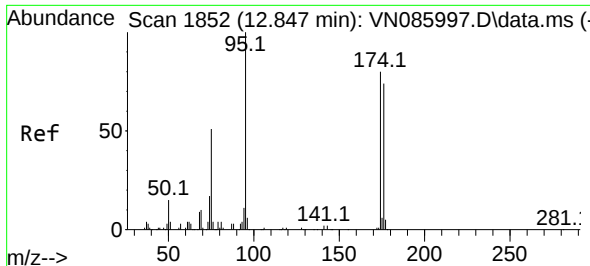
Tgt Ion: 63 Resp: 78
Ion Ratio Lower Upper
63 100
106 0.0 25.0 37.6#



#59
2-Hexanone
Concen: 27.647 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 43 Resp: 48367
Ion Ratio Lower Upper
43 100
58 20.4 32.4 97.2#

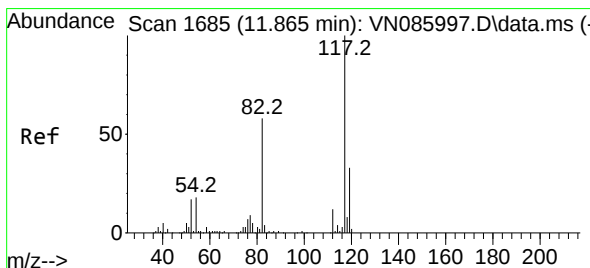
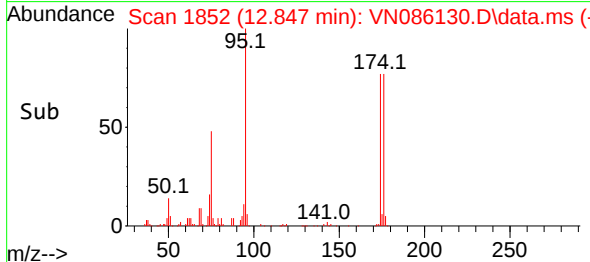
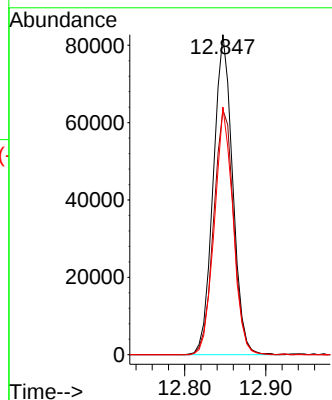
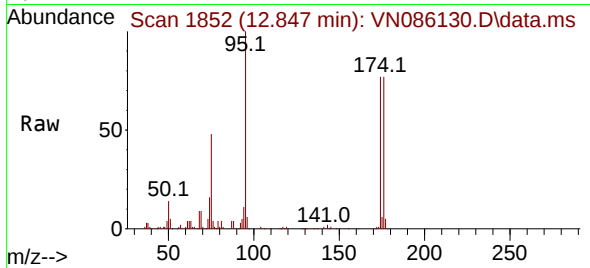




#62
4-Bromofluorobenzene
Concen: 46.835 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

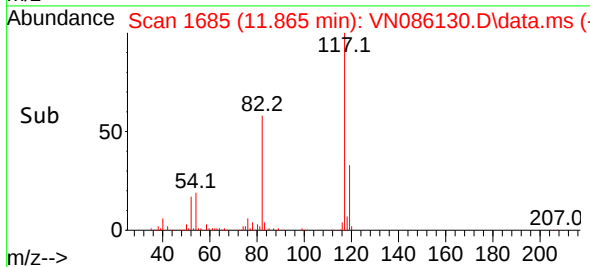
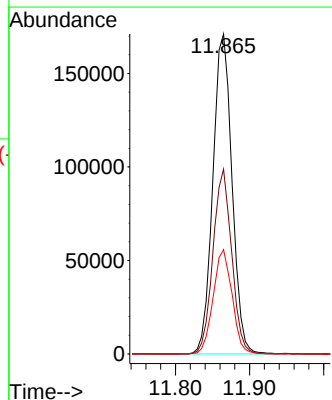
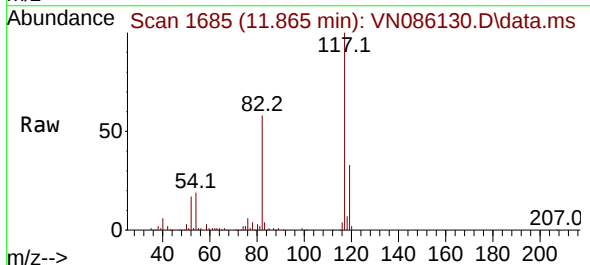
Instrument :
MSVOA_N
ClientSampleId :
WC-4

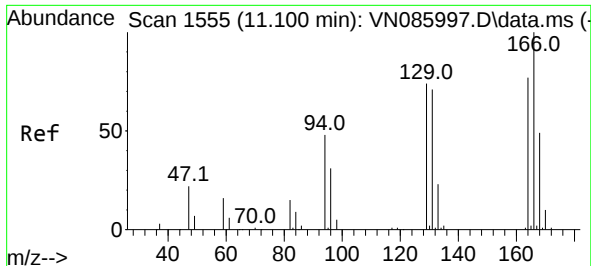
Tgt Ion: 95 Resp: 137125
Ion Ratio Lower Upper
95 100
174 79.2 0.0 156.8
176 74.3 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 117 Resp: 306948
Ion Ratio Lower Upper
117 100
82 57.8 46.7 70.1
119 32.6 26.5 39.7

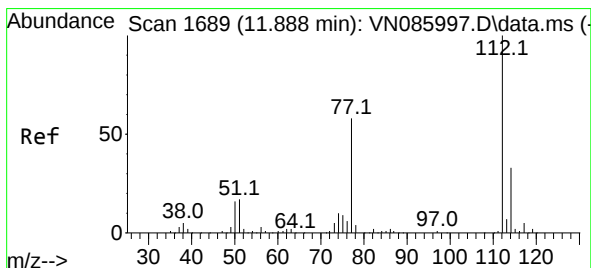
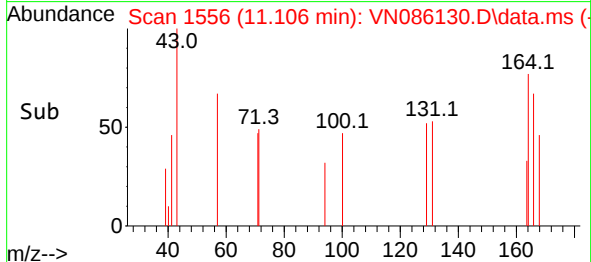
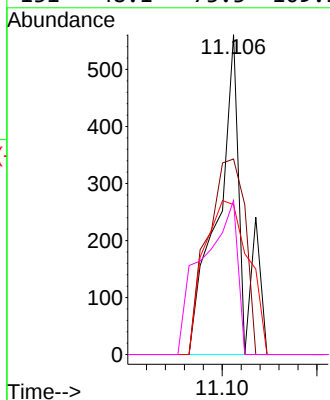
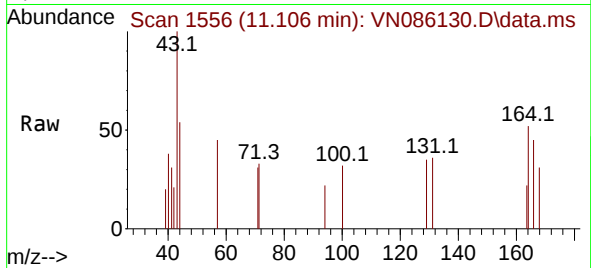




#64
Tetrachloroethene
Concen: 0.205 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

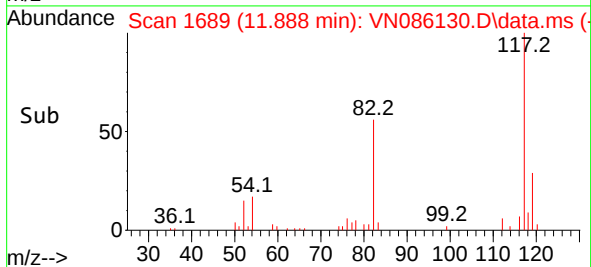
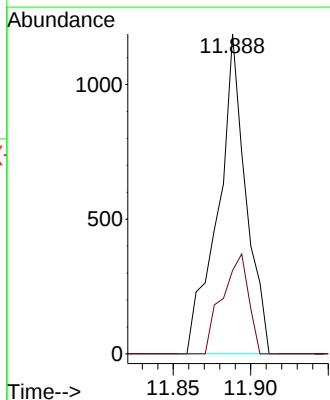
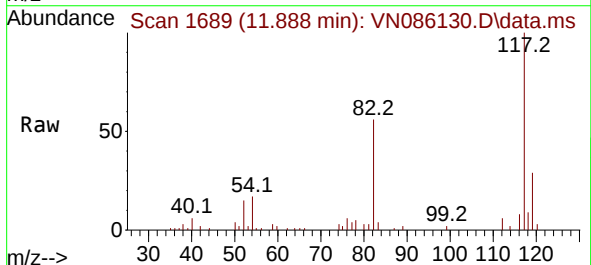
Instrument :
MSVOA_N
ClientSampleId :
WC-4

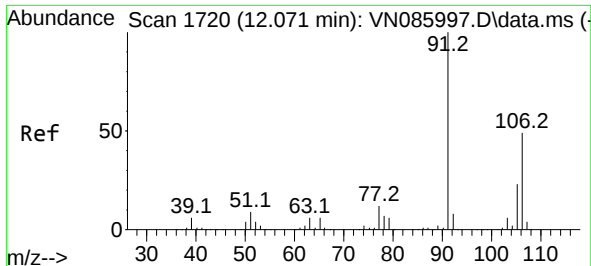
Tgt Ion:164 Resp: 502
Ion Ratio Lower Upper
164 100
166 61.1 103.7 155.5#
129 46.9 77.1 115.7#
131 48.1 73.3 109.9#



#65
Chlorobenzene
Concen: 0.210 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion:112 Resp: 1478
Ion Ratio Lower Upper
112 100
114 26.1 26.3 39.5#

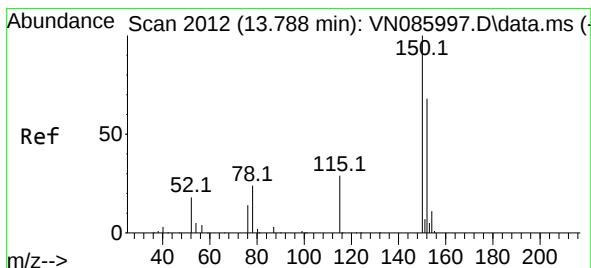
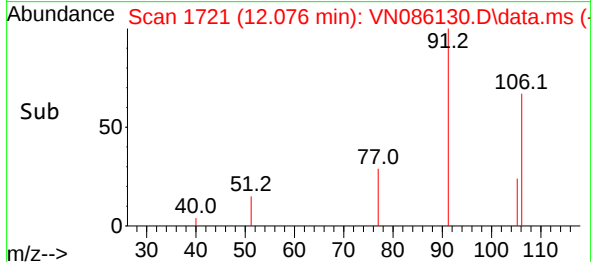
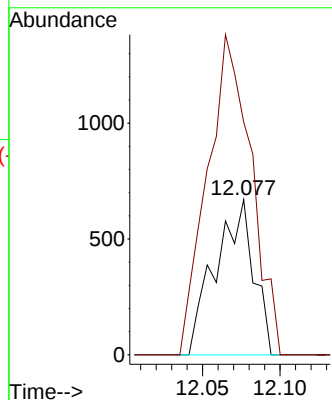
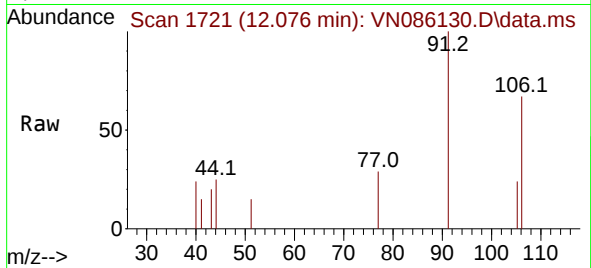




#68
m/p-Xylenes
Concen: 0.259 ug/l
RT: 12.076 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

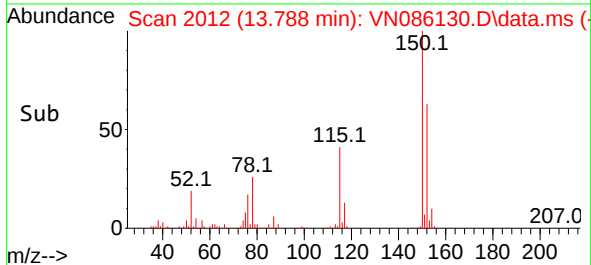
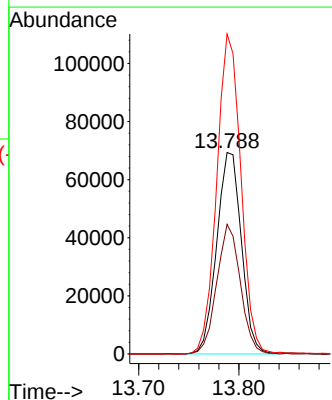
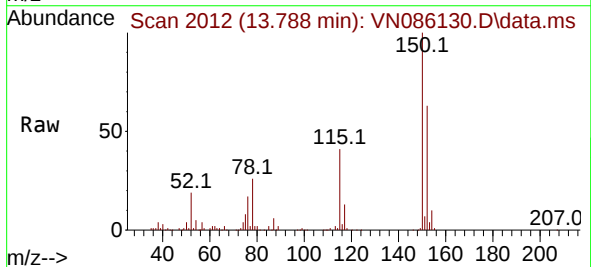
Instrument :
MSVOA_N
ClientSampleId :
WC-4

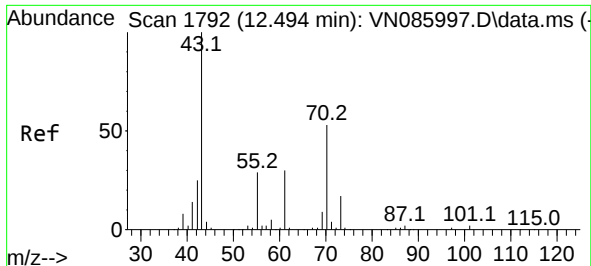
Tgt Ion:106 Resp: 1145
Ion Ratio Lower Upper
106 100
91 236.9 163.9 245.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion:152 Resp: 118685
Ion Ratio Lower Upper
152 100
115 61.5 31.1 93.2
150 155.7 0.0 359.6

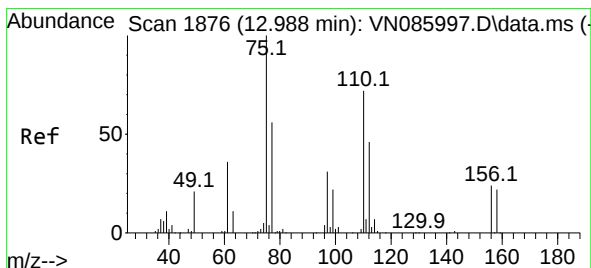
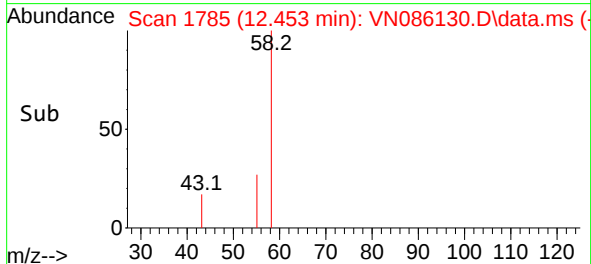
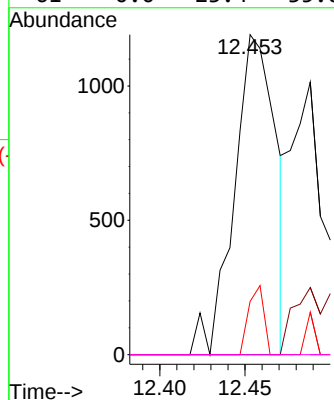
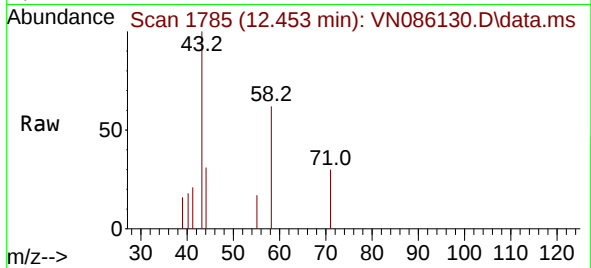




#74
N-amy1 acetate
Concen: 0.743 ug/l
RT: 12.453 min Scan# 1
Delta R.T. -0.041 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

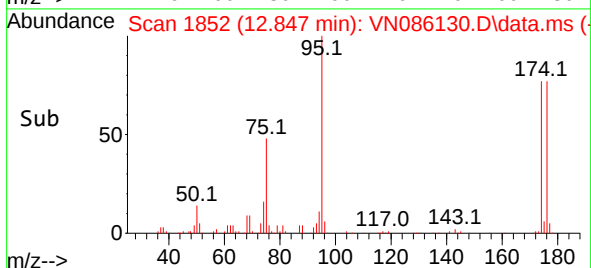
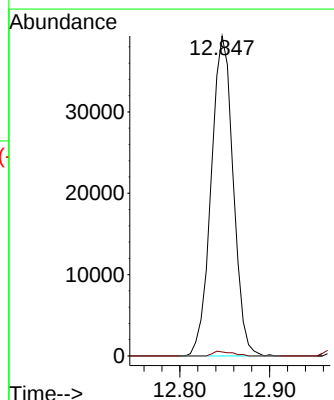
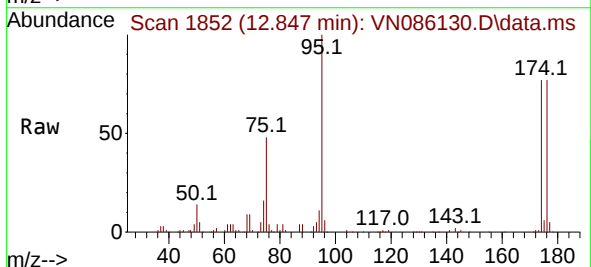
Instrument :
MSVOA_N
ClientSampleId :
WC-4

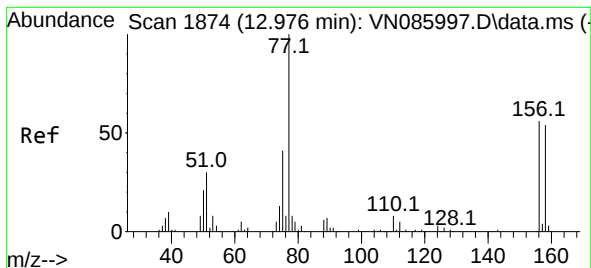
Tgt Ion: 43	Resp: 2015
Ion Ratio	Lower Upper
43 100	
70 0.0	43.0 64.4#
55 8.0	23.8 35.8#
61 0.0	23.4 35.0#



#76
1,2,3-Trichloropropane
Concen: 25.285 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 75	Resp: 67186
Ion Ratio	Lower Upper
75 100	
77 1.3	83.7 251.0#





#77

Bromobenzene

Concen: 0.345 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN086130.D

Acq: 26 Mar 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

WC-4

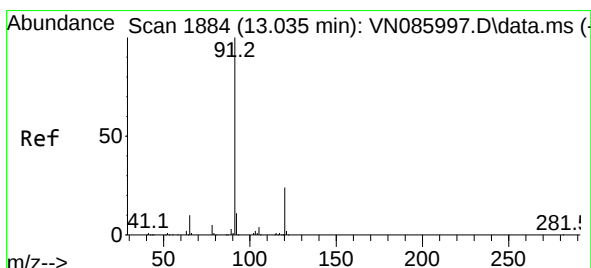
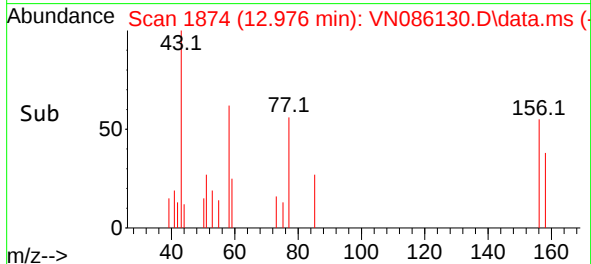
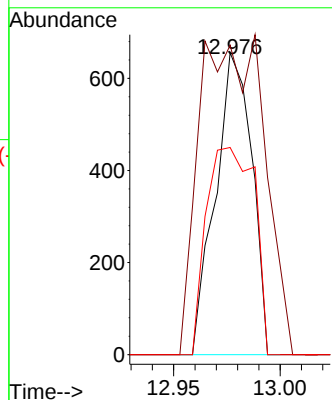
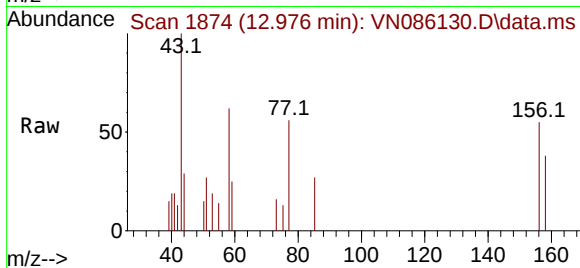
Tgt Ion:156 Resp: 780

Ion Ratio Lower Upper

156 100

77 186.9 104.1 312.3

158 90.5 49.0 147.0



#78

n-propylbenzene

Concen: 0.248 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN086130.D

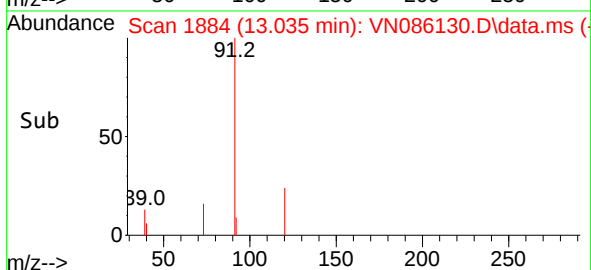
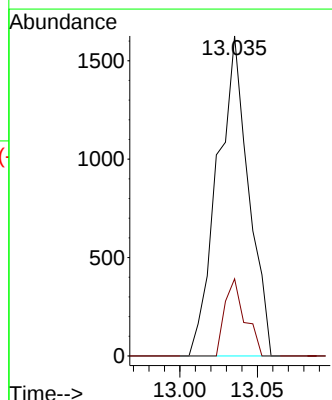
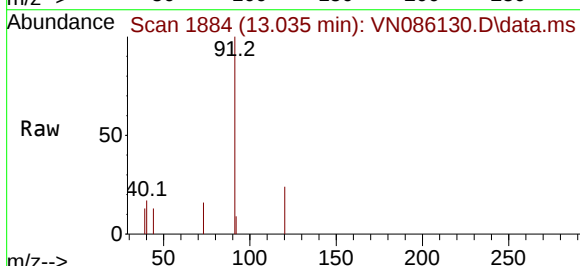
Acq: 26 Mar 2025 16:48

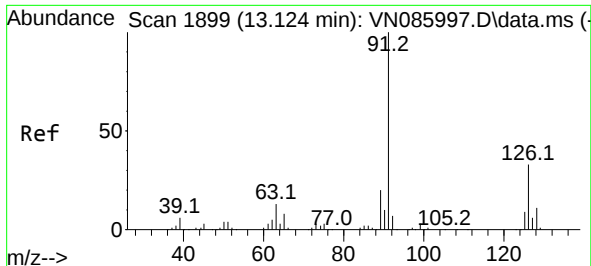
Tgt Ion: 91 Resp: 2272

Ion Ratio Lower Upper

91 100

120 15.6 11.7 35.0

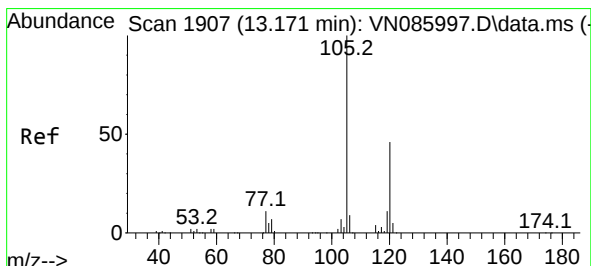
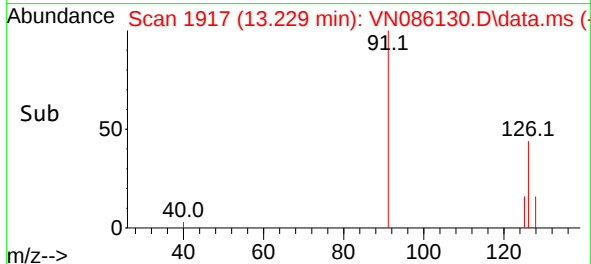
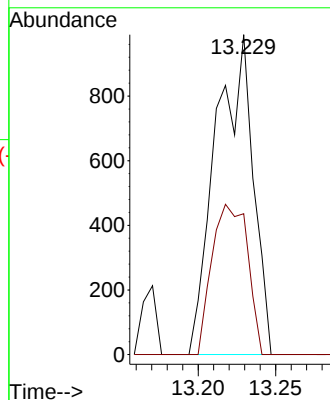
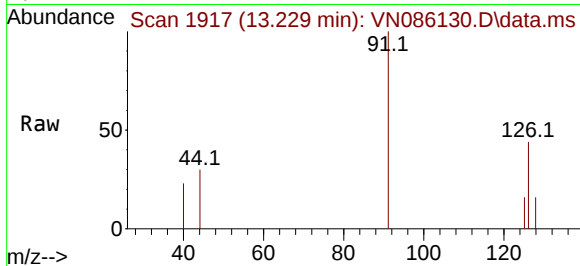




#79
2-Chlorotoluene
Concen: 0.272 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.106 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

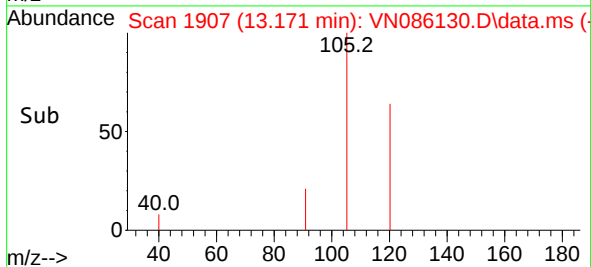
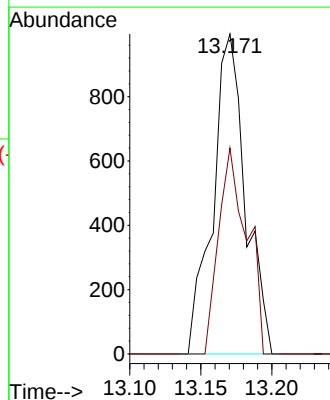
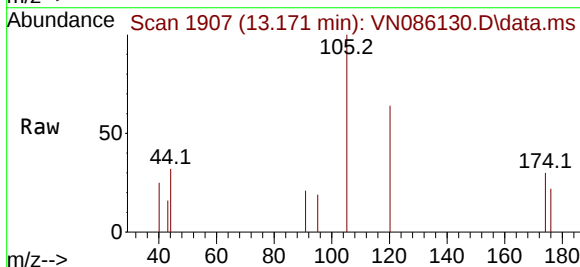
Instrument :
MSVOA_N
ClientSampleId :
WC-4

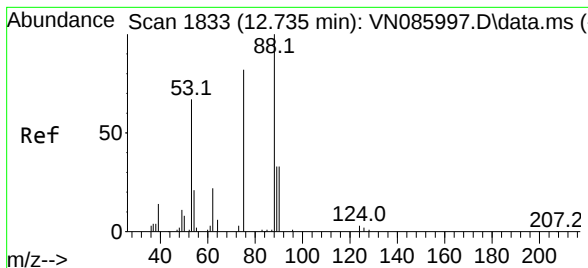
Tgt Ion: 91 Resp: 1659
Ion Ratio Lower Upper
91 100
126 44.7 16.4 49.2



#80
1,3,5-Trimethylbenzene
Concen: 0.232 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 105 Resp: 1590
Ion Ratio Lower Upper
105 100
120 56.0 23.7 71.1

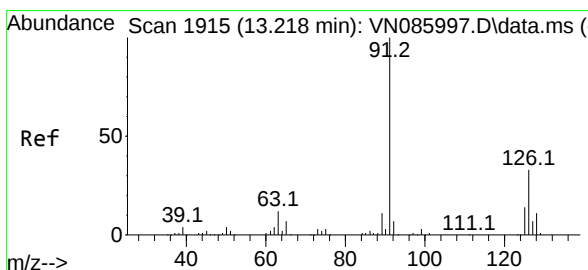
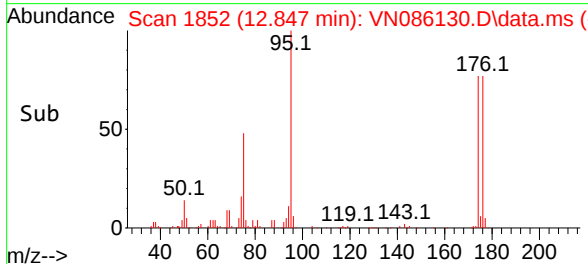
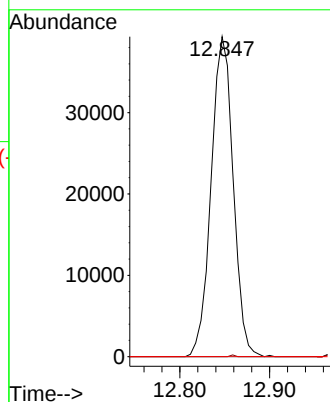
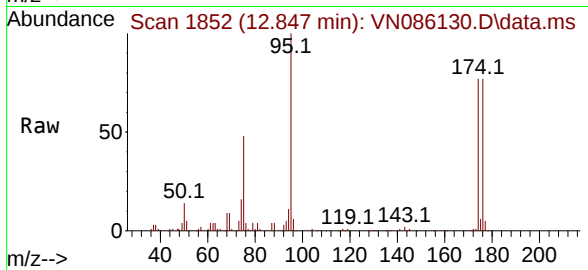




#81
trans-1,4-Dichloro-2-butene
Concen: 66.850 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

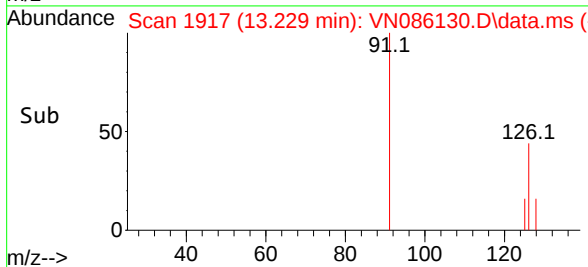
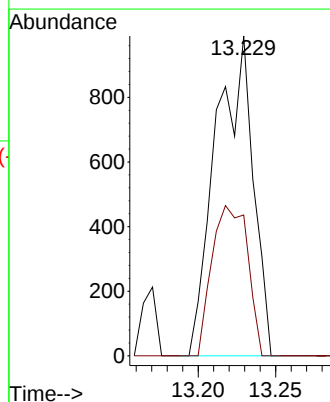
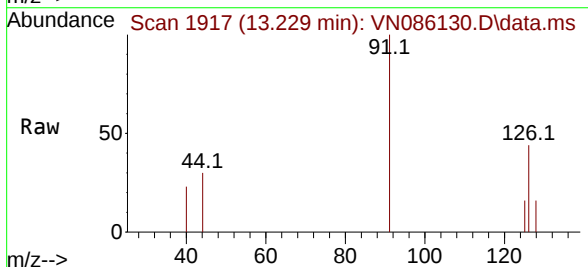
Instrument :
MSVOA_N
ClientSampleId :
WC-4

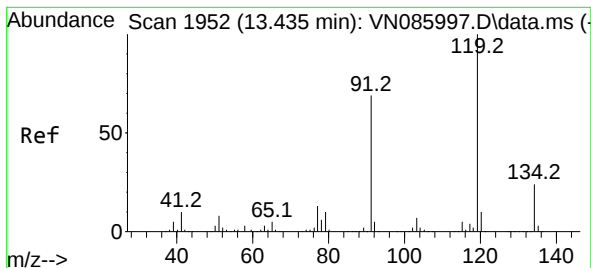
Tgt Ion: 75 Resp: 67186
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.265 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.012 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 91 Resp: 1659
Ion Ratio Lower Upper
91 100
126 44.7 16.1 48.2





#83

tert-Butylbenzene

Concen: 0.210 ug/l

RT: 13.429 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VN086130.D

Acq: 26 Mar 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

WC-4

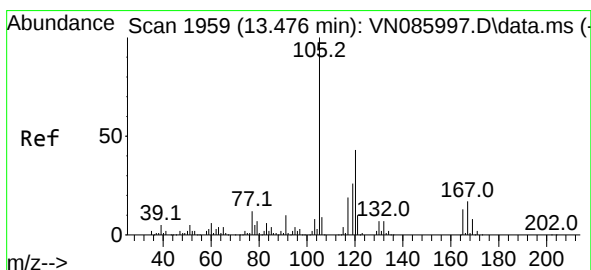
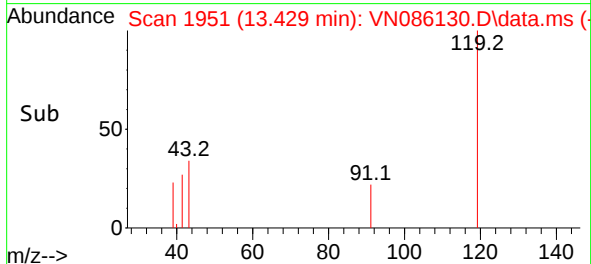
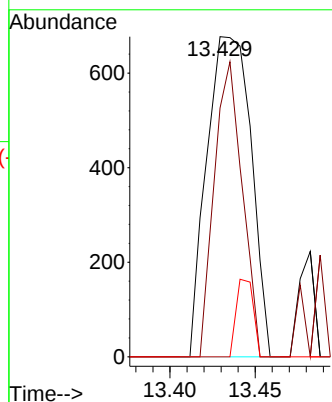
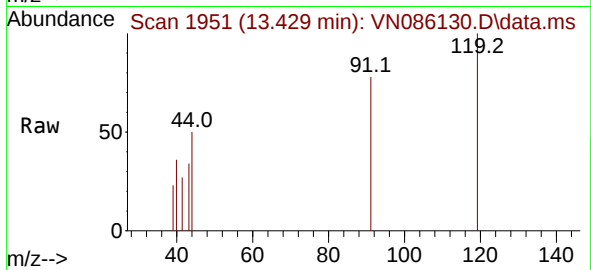
Tgt Ion:119 Resp: 1227

Ion Ratio Lower Upper

119 100

91 58.1 34.3 102.9

134 9.3 13.5 40.5#



#84

1,2,4-Trimethylbenzene

Concen: 0.222 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN086130.D

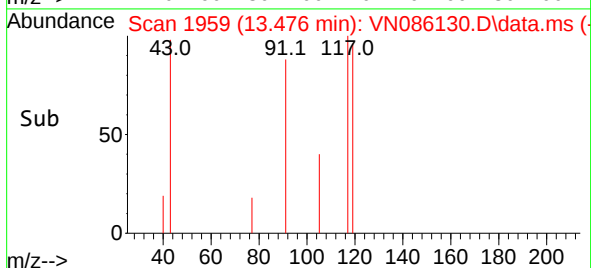
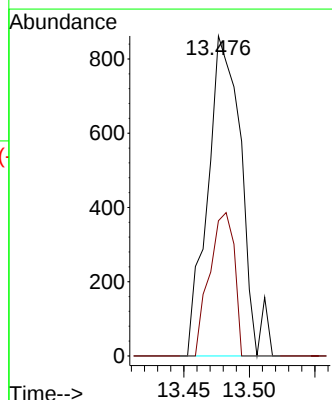
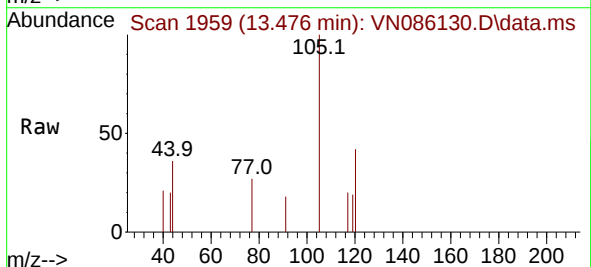
Acq: 26 Mar 2025 16:48

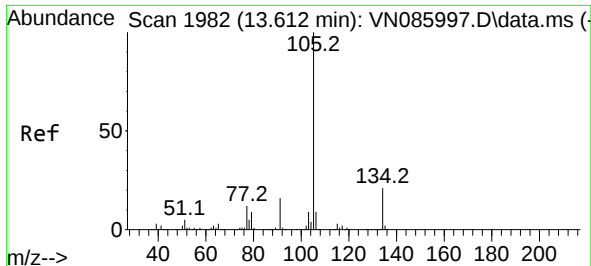
Tgt Ion:105 Resp: 1535

Ion Ratio Lower Upper

105 100

120 33.2 21.9 65.8

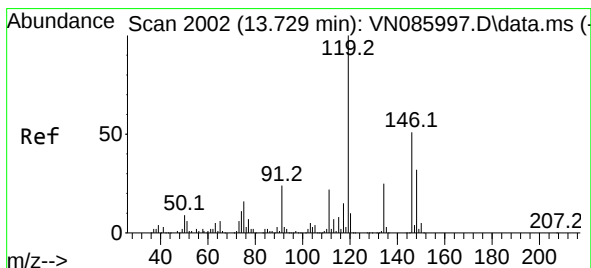
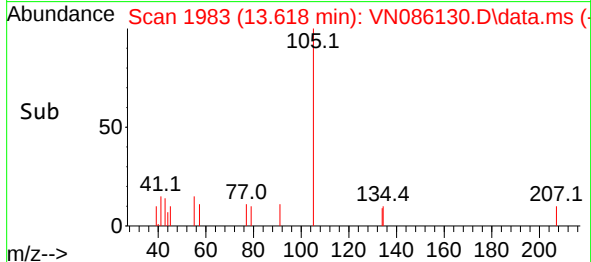
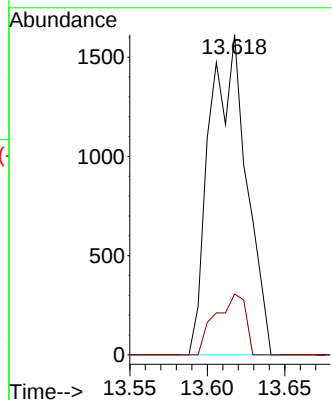
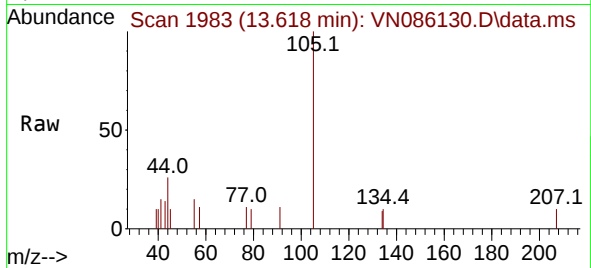




#85
 sec-Butylbenzene
 Concen: 0.350 ug/l
 RT: 13.618 min Scan# 1982
 Delta R.T. 0.006 min
 Lab File: VN086130.D
 Acq: 26 Mar 2025 16:48

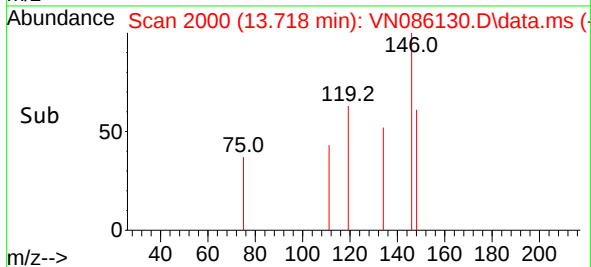
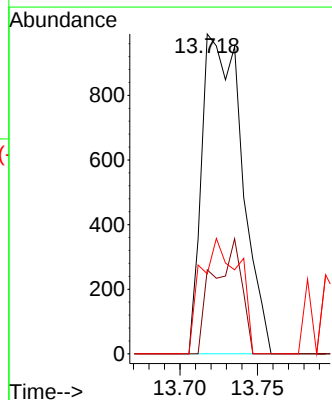
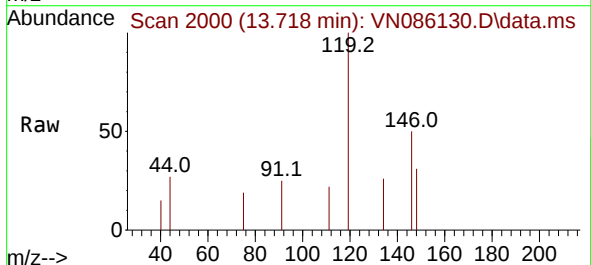
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-4

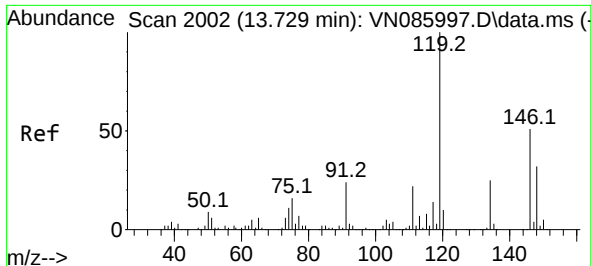
Tgt Ion:105 Resp: 2671
 Ion Ratio Lower Upper
 105 100
 134 15.4 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 0.275 ug/l
 RT: 13.718 min Scan# 2000
 Delta R.T. -0.012 min
 Lab File: VN086130.D
 Acq: 26 Mar 2025 16:48

Tgt Ion:119 Resp: 1775
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.6 37.8
 91 34.1 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 0.406 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086130.D

Acq: 26 Mar 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

WC-4

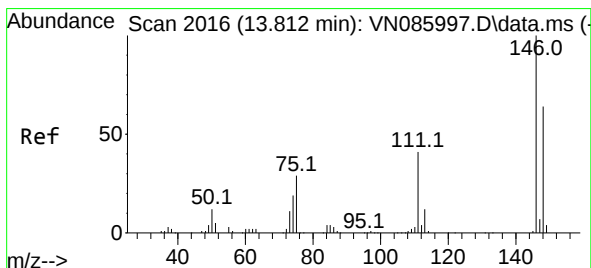
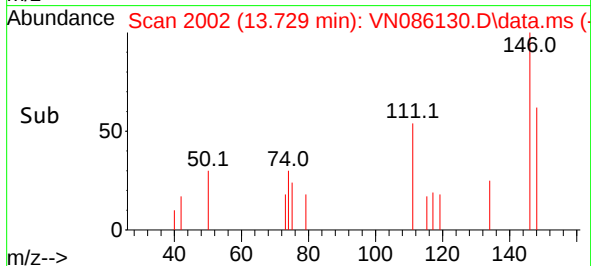
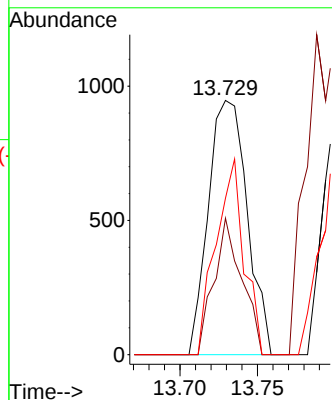
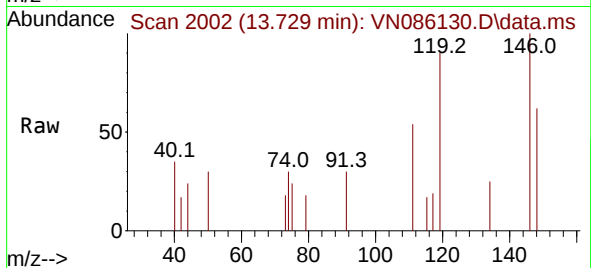
Tgt Ion:146 Resp: 1652

Ion Ratio Lower Upper

146 100

111 38.6 21.2 63.6

148 55.5 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 0.386 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.082 min

Lab File: VN086130.D

Acq: 26 Mar 2025 16:48

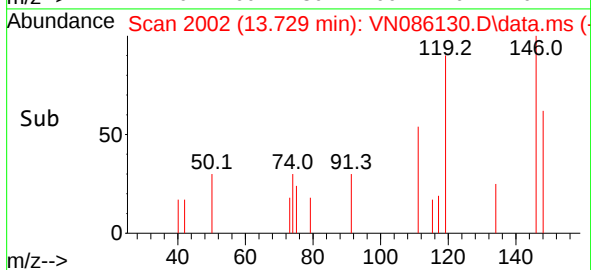
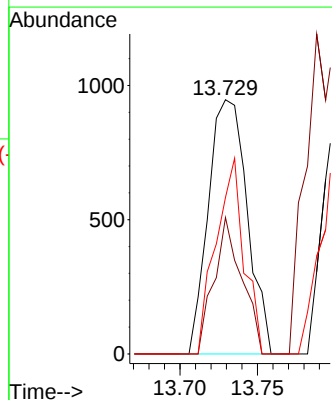
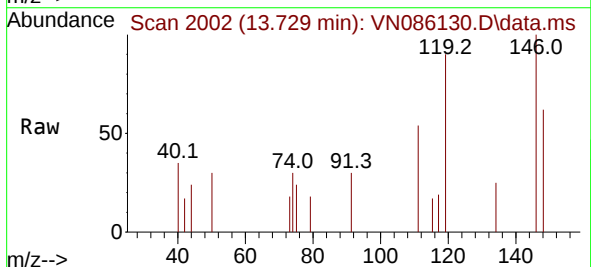
Tgt Ion:146 Resp: 1652

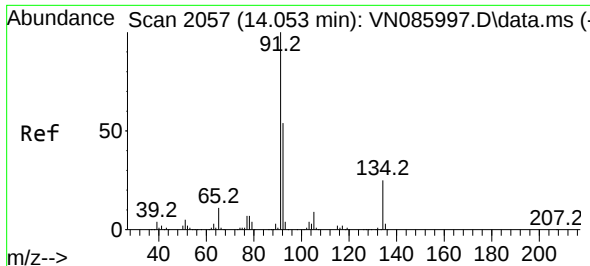
Ion Ratio Lower Upper

146 100

111 38.6 20.4 61.3

148 55.5 32.1 96.5

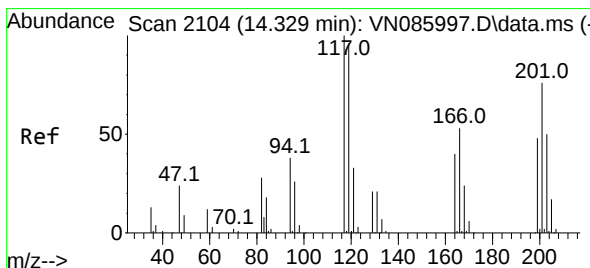
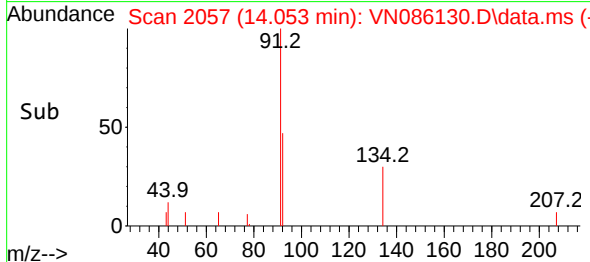
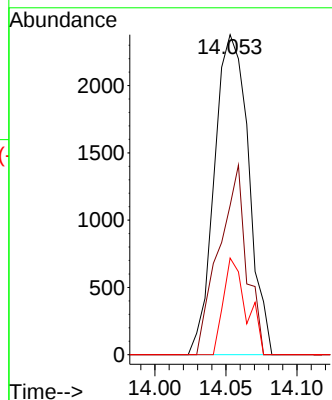
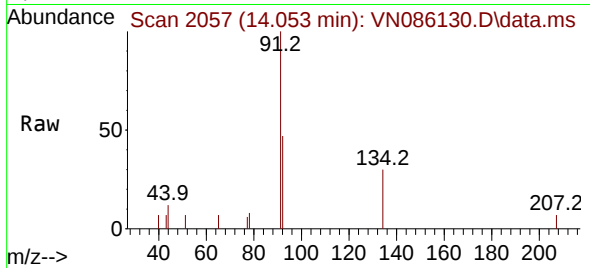




#89
n-Butylbenzene
Concen: 0.756 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

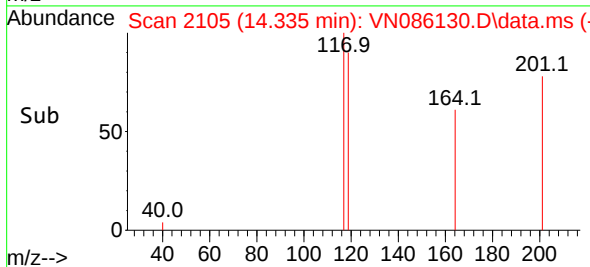
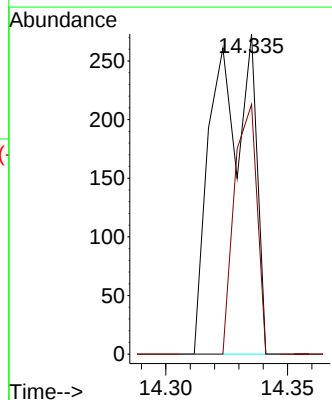
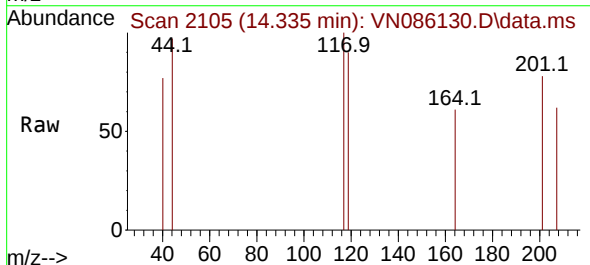
Instrument :
MSVOA_N
ClientSampleId :
WC-4

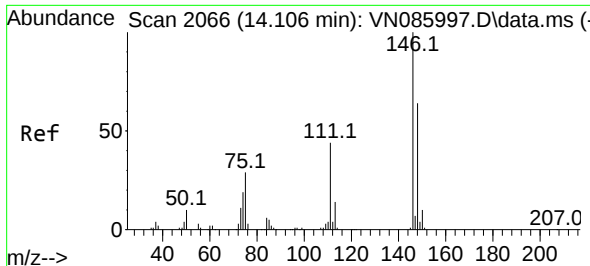
Tgt Ion: 91	Resp:	3978
Ion	Ratio	Lower Upper
91	100	
92	48.0	26.9 80.6
134	20.3	13.0 39.0



#90
Hexachloroethane
Concen: 0.208 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 117	Resp:	310
Ion	Ratio	Lower Upper
117	100	
201	44.2	39.1 117.3

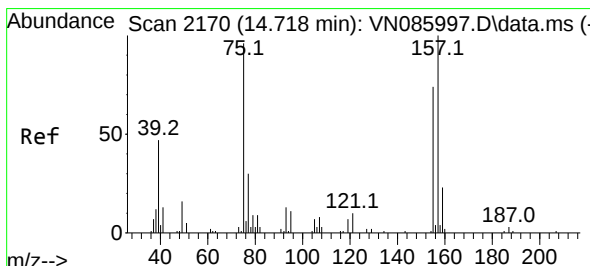
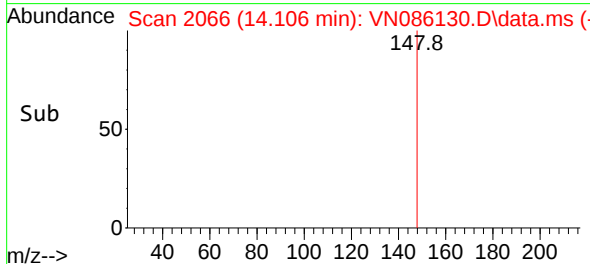
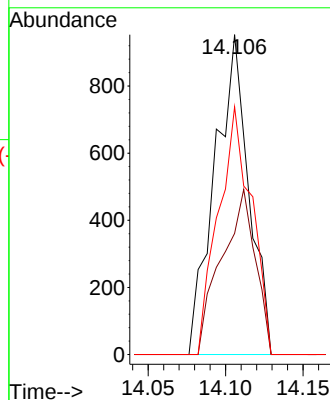
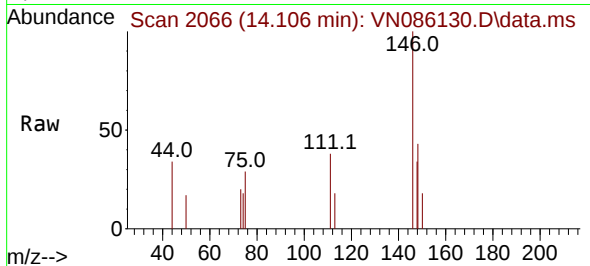




#91
1,2-Dichlorobenzene
Concen: 0.359 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

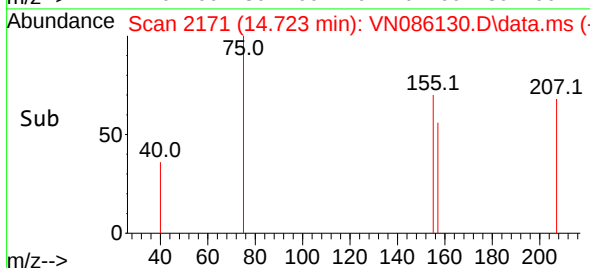
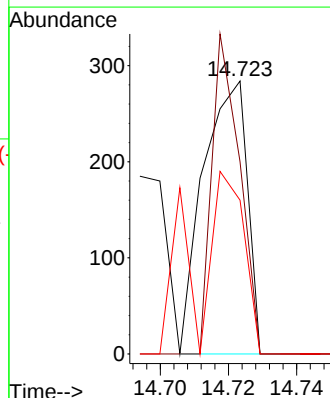
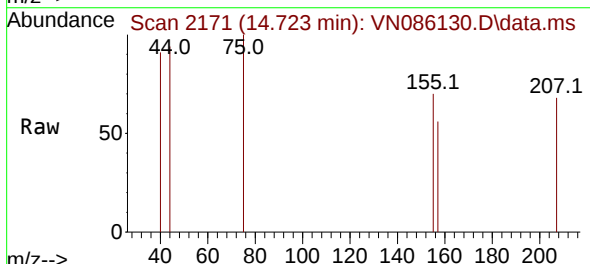
Instrument :
MSVOA_N
ClientSampleId :
WC-4

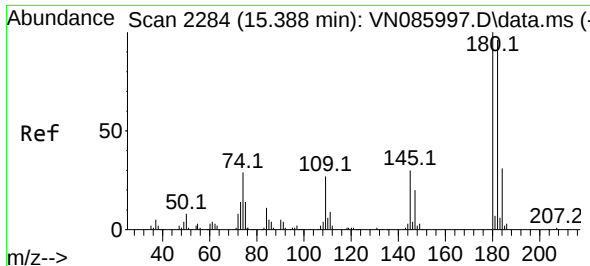
Tgt Ion:146	Resp:	1452
Ion	Ratio	Lower Upper
146	100	
111	51.4	22.3 66.8
148	75.5	32.1 96.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.466 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion: 75	Resp:	255
Ion	Ratio	Lower Upper
75	100	
155	73.7	41.0 123.0
157	72.5	53.7 161.1

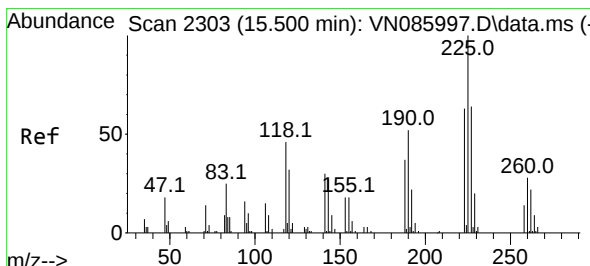
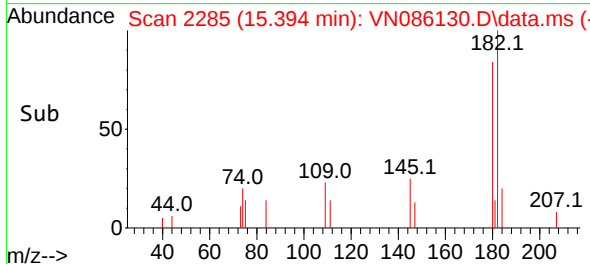
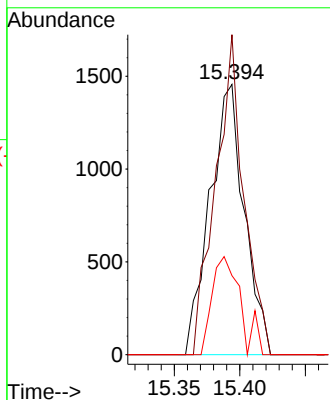
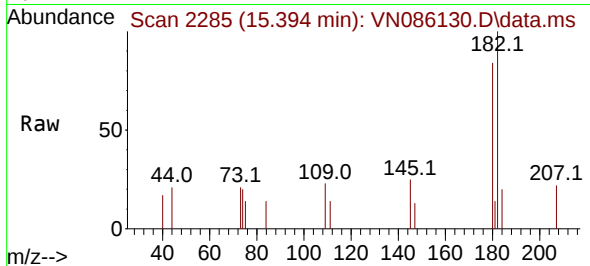




#93
1,2,4-Trichlorobenzene
Concen: 1.303 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

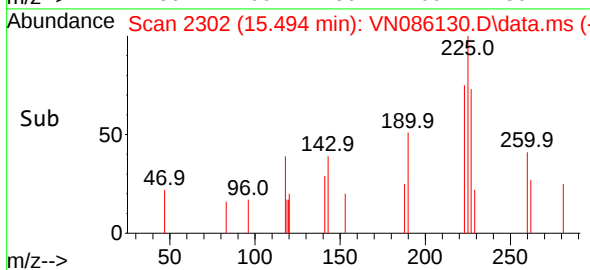
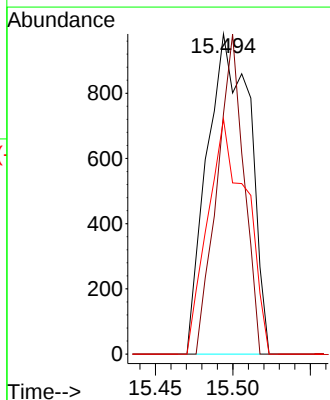
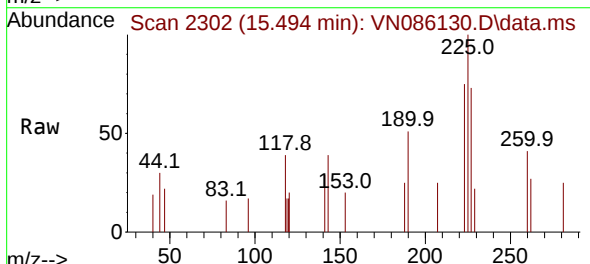
Instrument :
MSVOA_N
ClientSampleId :
WC-4

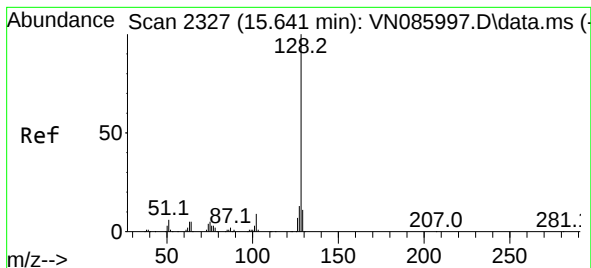
Tgt Ion:180 Resp: 2654
Ion Ratio Lower Upper
180 100
182 97.6 47.0 141.0
145 29.9 15.5 46.5



#94
Hexachlorobutadiene
Concen: 1.595 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086130.D
Acq: 26 Mar 2025 16:48

Tgt Ion:225 Resp: 1884
Ion Ratio Lower Upper
225 100
223 62.3 31.3 93.9
227 66.5 32.1 96.3





#95

Naphthalene

Concen: 1.776 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN086130.D

Acq: 26 Mar 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

WC-4

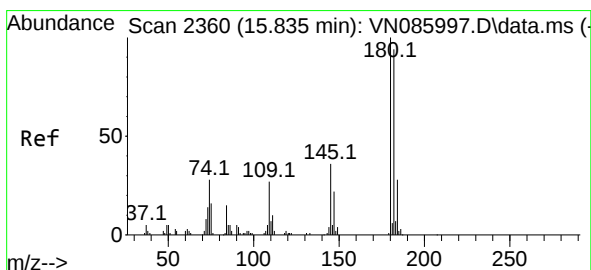
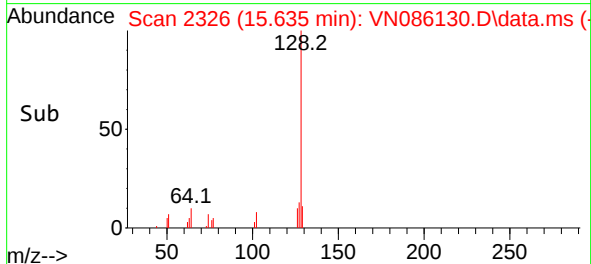
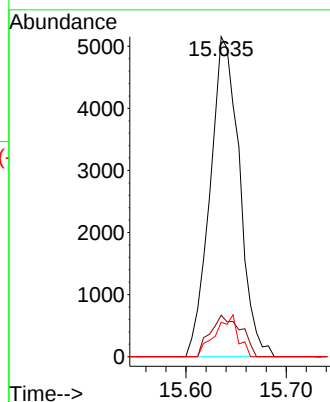
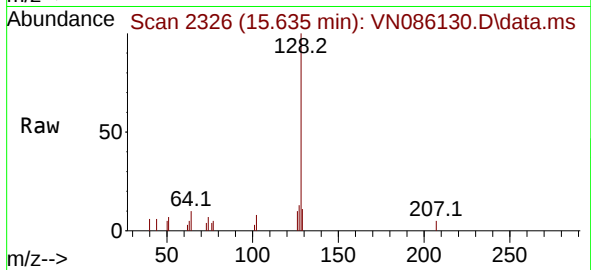
Tgt Ion:128 Resp: 10472

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

129 10.1 9.0 13.6



#96

1,2,3-Trichlorobenzene

Concen: 1.579 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN086130.D

Acq: 26 Mar 2025 16:48

Tgt Ion:180 Resp: 3050

Ion Ratio Lower Upper

180 100

182 99.2 47.5 142.5

145 30.1 17.7 53.1

