

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088506.D
 Acq On : 10 Dec 2025 17:13
 Operator : JC\MD
 Sample : Q3815-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 11 02:12:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	209410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	498044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	530030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	264391	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	239068	60.602	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 121.200%	
35) Dibromofluoromethane	8.147	113	167328	48.481	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.960%	
50) Toluene-d8	10.547	98	609976	47.499	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.000%	
62) 4-Bromofluorobenzene	12.829	95	241666	54.845	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.700%	

Target Compounds						Qvalue
11) Tert butyl alcohol	5.524	59	2065	3.279	ug/l #	79
13) Acrolein	4.153	56	282	0.468	ug/l #	1
14) Allyl chloride	5.271	41	10804	2.282	ug/l #	21
16) Acetone	4.424	43	182931	128.222	ug/l	98
18) Methyl Acetate	5.012	43	7126	1.678	ug/l #	79
20) Methylene Chloride	5.265	84	271269	88.871	ug/l	98
25) 2-Butanone	7.471	43	19409	8.462	ug/l #	83
29) Tetrahydrofuran	7.830	42	683	0.415	ug/l #	42
31) Cyclohexane	8.200	56	10725	2.067	ug/l #	56
36) 1,1-Dichloropropene	8.206	75	22253	4.178	ug/l #	52
37) Ethyl Acetate	7.471	43	19409	2.771	ug/l #	72
38) Carbon Tetrachloride	8.200	117	25948	4.893	ug/l #	18
39) Methylcyclohexane	9.576	83	9533	1.673	ug/l	91
43) Isopropyl Acetate	8.677	43	28222	2.637	ug/l #	91
48) Methyl methacrylate	9.724	41	134498	27.547	ug/l #	47
49) 1,4-Dioxane	9.724	88	278	4.477	ug/l #	1
51) 4-Methyl-2-Pentanone	10.424	43	9695	1.537	ug/l #	81
54) cis-1,3-Dichloropropene	10.335	75	42179	6.699	ug/l #	77
55) 1,1,2-Trichloroethane	10.982	97	4379	1.254	ug/l #	21
57) 1,3-Dichloropropane	11.188	76	3958	0.628	ug/l #	42
59) 2-Hexanone	11.188	43	66546	16.748	ug/l #	52
67) Ethyl Benzene	11.941	91	311343	14.962	ug/l	96
68) m/p-Xylenes	12.053	106	28575	3.704	ug/l	97
69) o-Xylene	12.370	106	1576	0.214	ug/l	71
71) Bromoform	12.823	173	1142	0.388	ug/l #	1
73) Isopropylbenzene	12.676	105	193813	9.914	ug/l	99
76) 1,2,3-Trichloropropane	13.076	75	8506	1.374	ug/l #	1
78) n-propylbenzene	13.012	91	622575	26.032	ug/l	97
79) 2-Chlorotoluene	13.070	91	70327	4.815	ug/l #	44
80) 1,3,5-Trimethylbenzene	13.147	105	388876	24.006	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.829	75	141983	65.046	ug/l #	1
82) 4-Chlorotoluene	13.147	91	47002	3.240	ug/l #	44
83) tert-Butylbenzene	13.459	119	213273	15.488	ug/l #	62
84) 1,2,4-Trimethylbenzene	13.459	105	1779205	110.503	ug/l	99
85) sec-Butylbenzene	13.588	105	71798	3.629	ug/l #	71
86) p-Isopropyltoluene	13.706	119	26126	1.611	ug/l	93

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Instrument :
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Quant Time: Dec 11 02:12:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

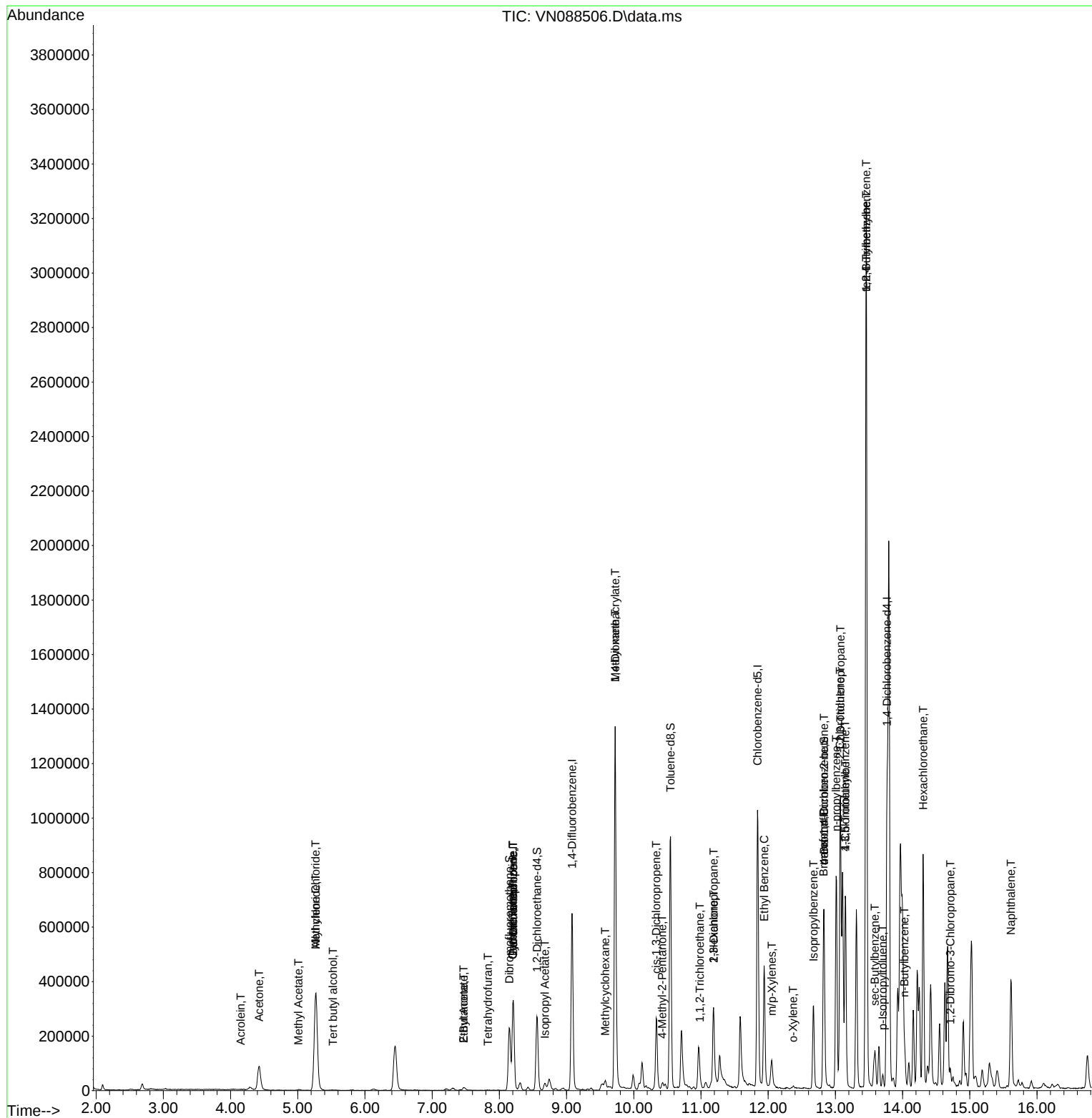
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	14.029	91	57174	3.630	ug/l #	77
90) Hexachloroethane	14.306	117	42711	14.413	ug/l #	20
92) 1,2-Dibromo-3-Chloropr...	14.711	75	574	0.374	ug/l #	10
95) Naphthalene	15.611	128	364838	21.626	ug/l	99

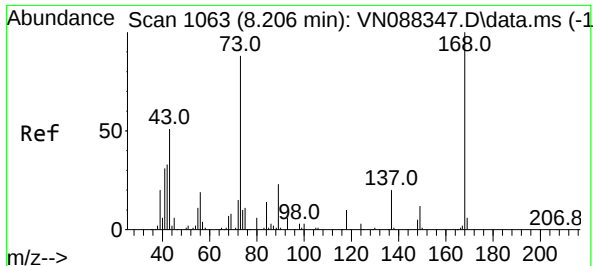
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

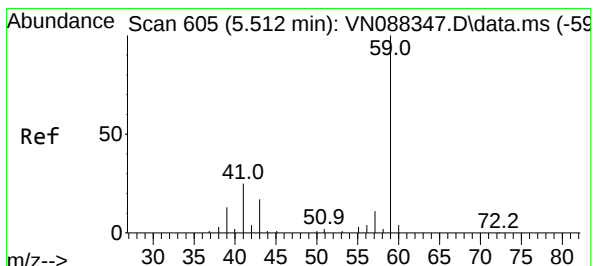
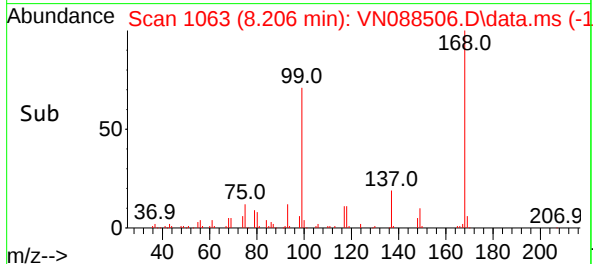
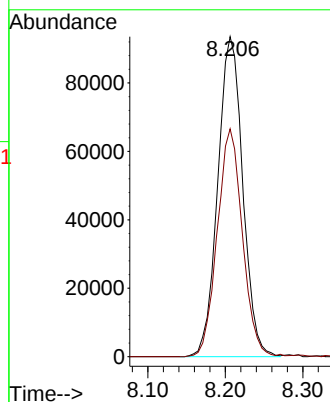
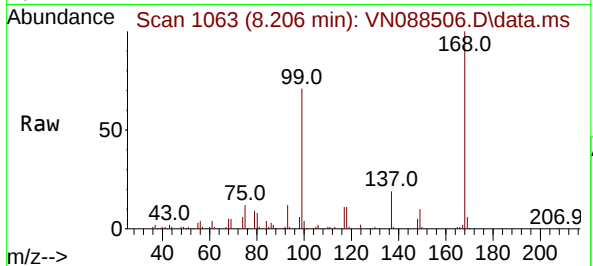




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

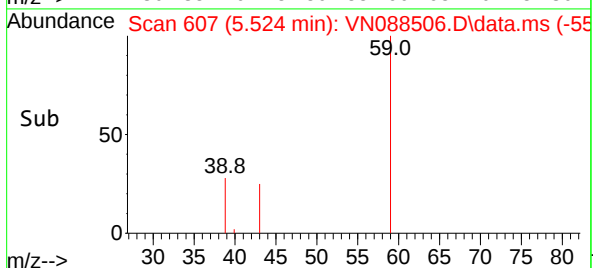
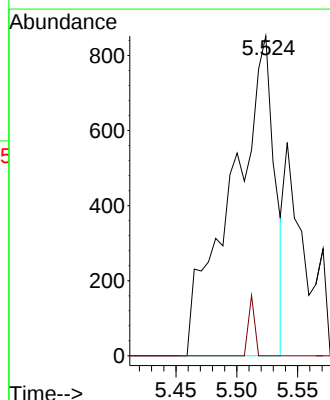
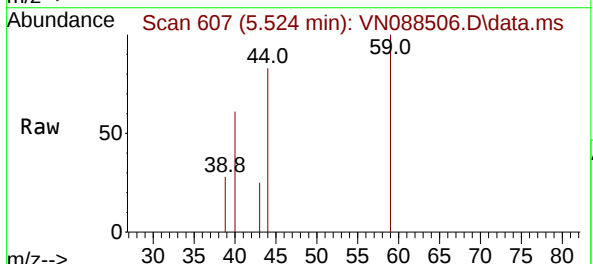
Instrument :
MSVOA_N
ClientSampleId :

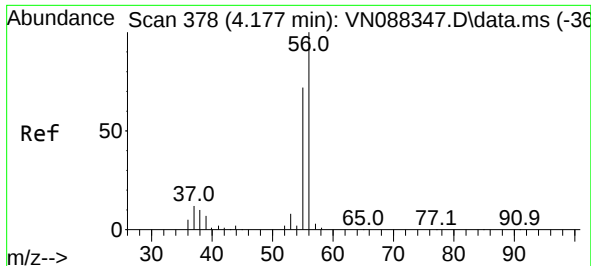
Tgt Ion:168 Resp: 209410
Ion Ratio Lower Upper
168 100
99 71.2 57.1 85.7



#11
Tert butyl alcohol
Concen: 3.279 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

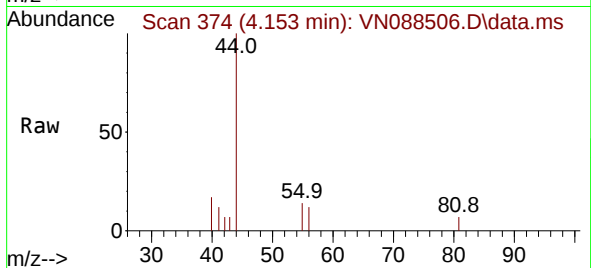
Tgt Ion: 59 Resp: 2065
Ion Ratio Lower Upper
59 100
57 2.8 8.5 12.7#



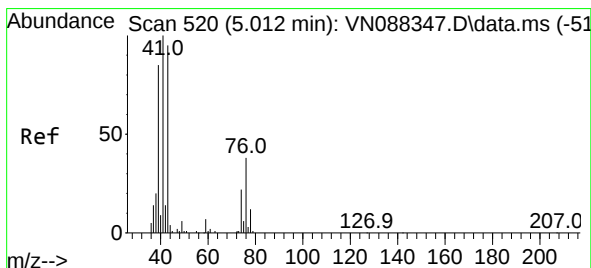
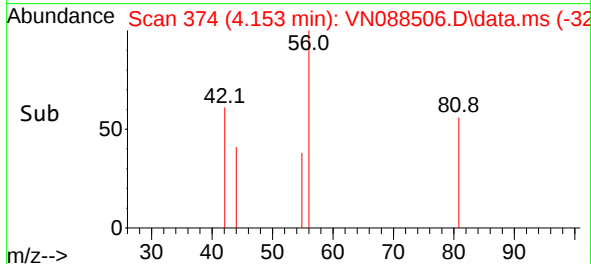
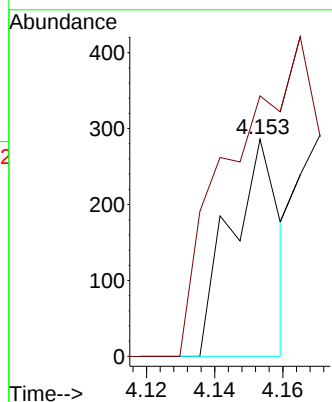


#13
Acrolein
Concen: 0.468 ug/l
RT: 4.153 min Scan# 31
Delta R.T. -0.023 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :

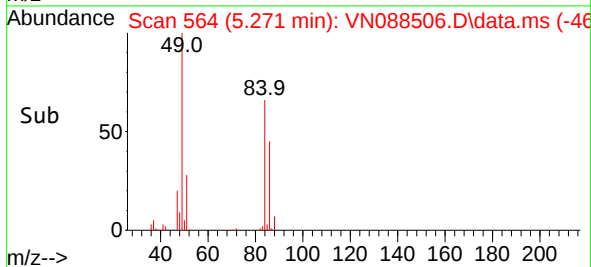
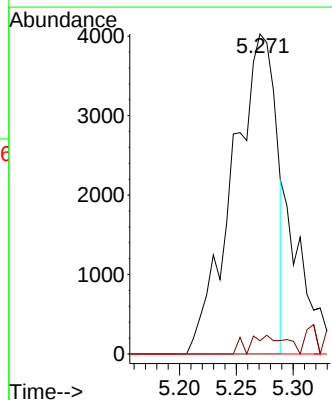
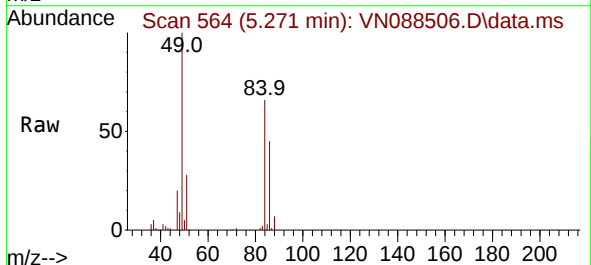


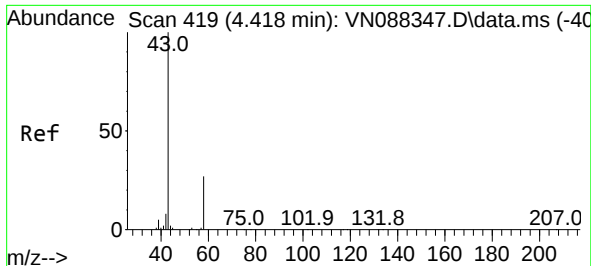
Tgt Ion: 56 Resp: 282
Ion Ratio Lower Upper
56 100
55 261.0 56.3 84.5#



#14
Allyl chloride
Concen: 2.282 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.259 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

Tgt Ion: 41 Resp: 10804
Ion Ratio Lower Upper
41 100
39 3.3 64.7 97.1#
76 0.0 29.1 43.7#

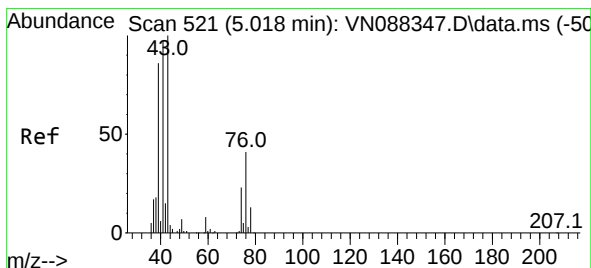
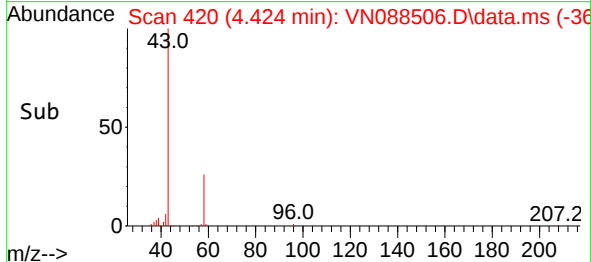
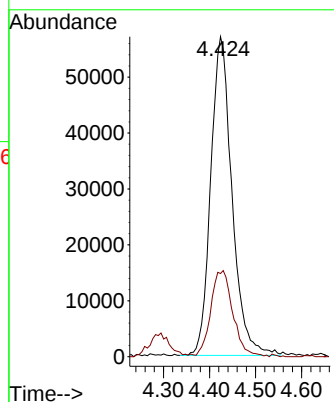
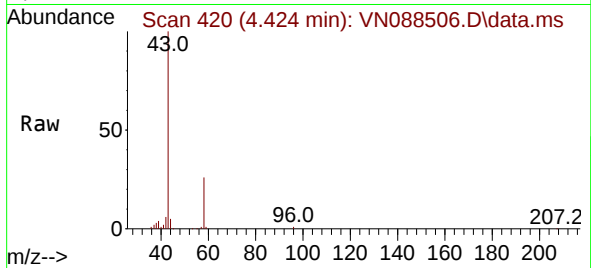




#16
Acetone
Concen: 128.222 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

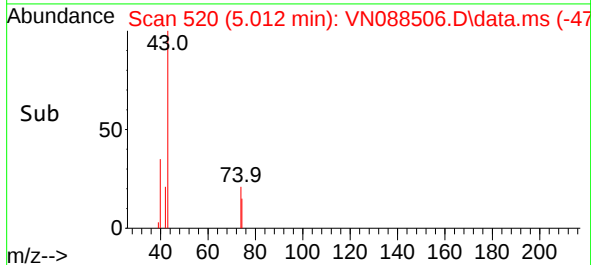
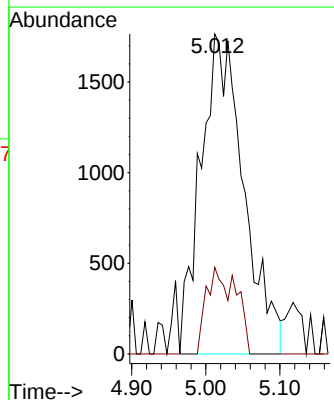
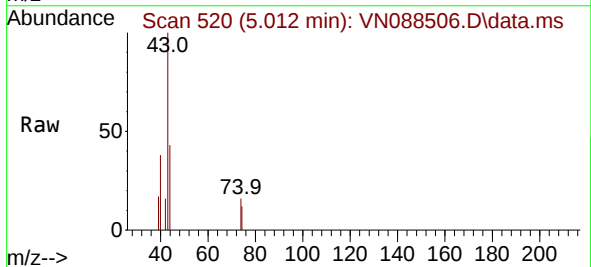
Instrument :
MSVOA_N
ClientSampleId :

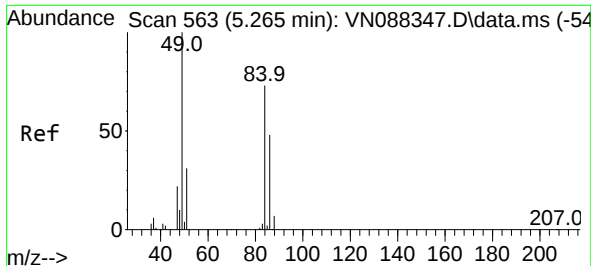
Tgt Ion: 43 Resp: 182931
Ion Ratio Lower Upper
43 100
58 26.1 21.7 32.5



#18
Methyl Acetate
Concen: 1.678 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

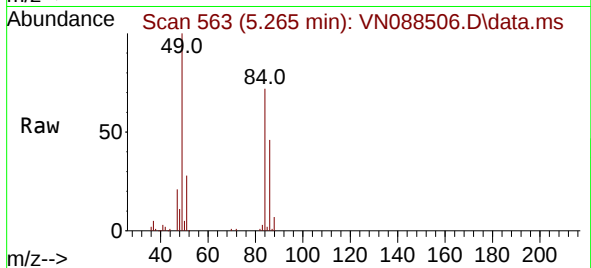
Tgt Ion: 43 Resp: 7126
Ion Ratio Lower Upper
43 100
74 12.2 17.9 26.9#





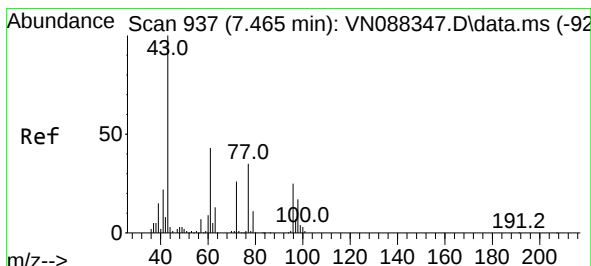
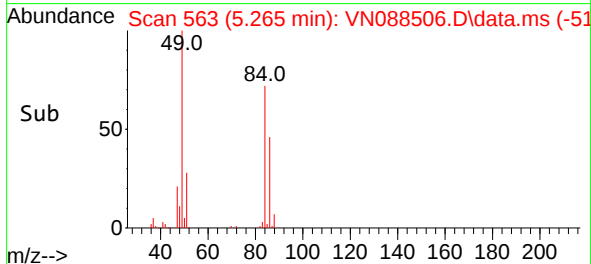
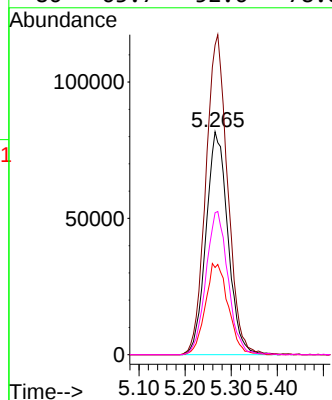
#20
Methylene Chloride
Concen: 88.871 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 271269

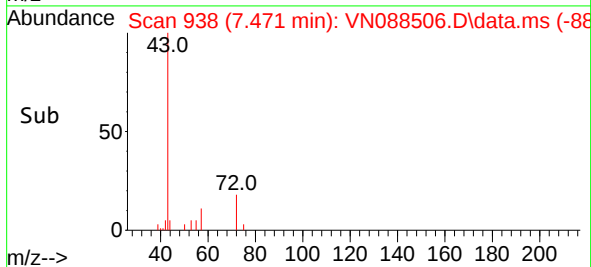
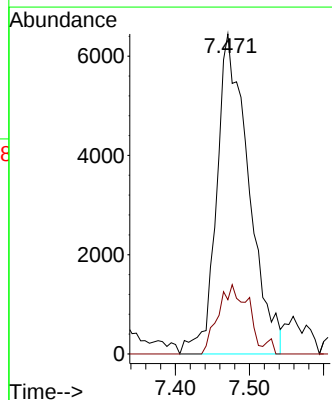
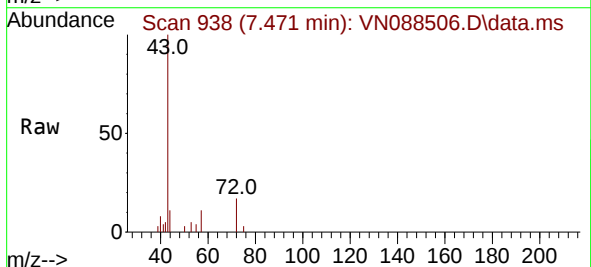
Ion	Ratio	Lower	Upper
84	100		
49	139.0	110.2	165.2
51	39.1	34.1	51.1
86	63.7	52.6	78.8

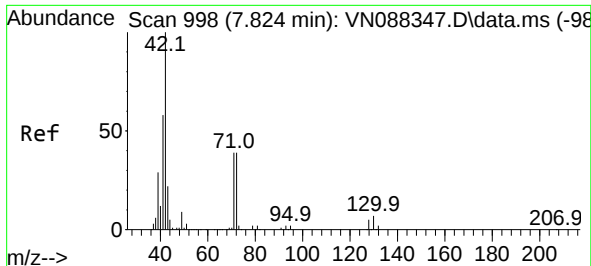


#25
2-Butanone
Concen: 8.462 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

Tgt Ion: 43 Resp: 19409

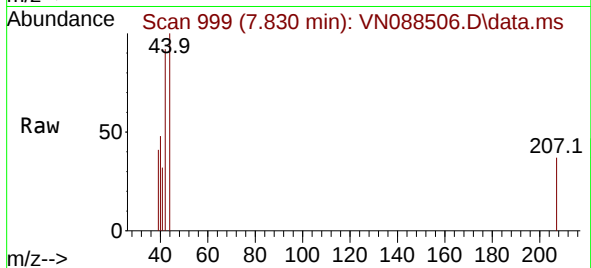
Ion	Ratio	Lower	Upper
43	100		
72	16.9	20.5	30.7#



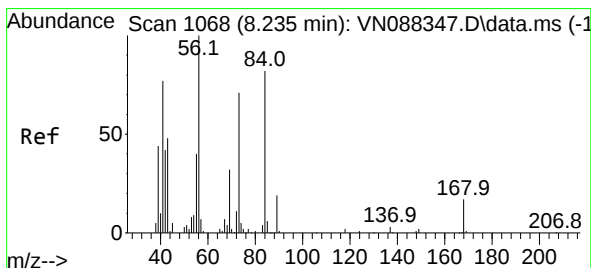
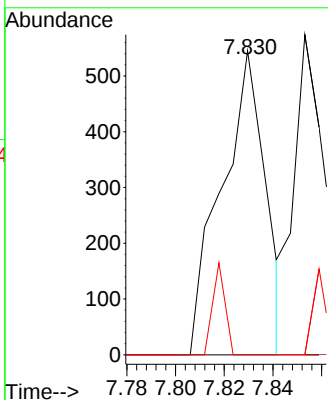
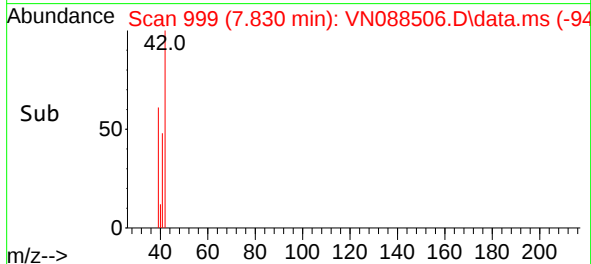


#29
Tetrahydrofuran
Concen: 0.415 ug/l
RT: 7.830 min Scan# 998
Delta R.T. 0.006 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

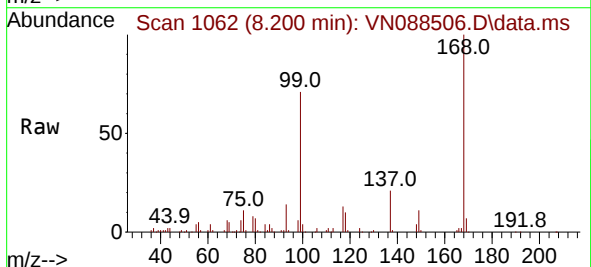
Instrument :
MSVOA_N
ClientSampleId :



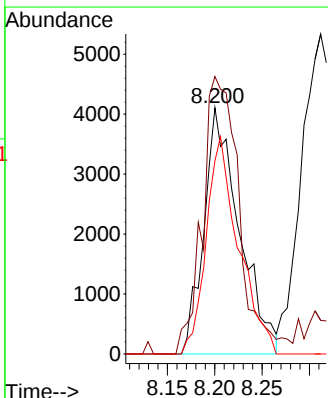
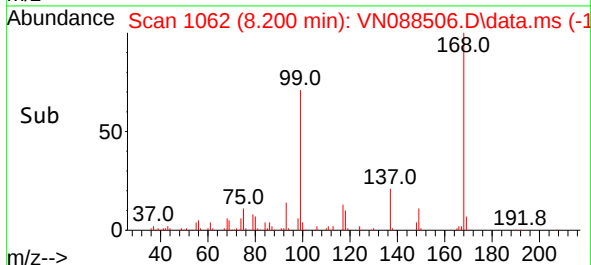
Tgt Ion: 42 Resp: 683
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.4#
71 8.5 31.1 46.7#

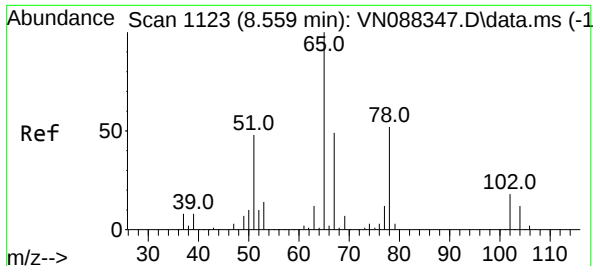


#31
Cyclohexane
Concen: 2.067 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13



Tgt Ion: 56 Resp: 10725
Ion Ratio Lower Upper
56 100
69 112.7 25.3 37.9#
84 78.4 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 60.602 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088506.D

Acq: 10 Dec 2025 17:13

Instrument :

MSVOA_N

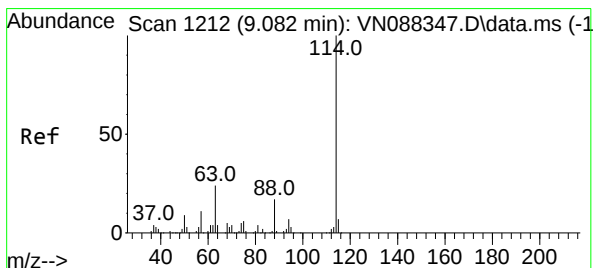
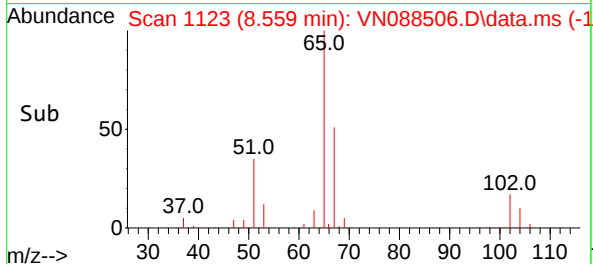
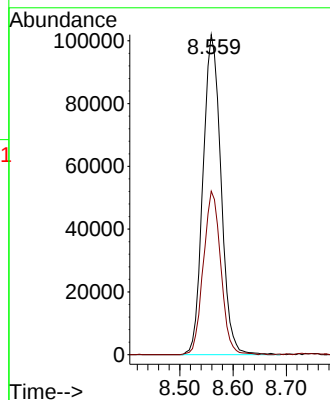
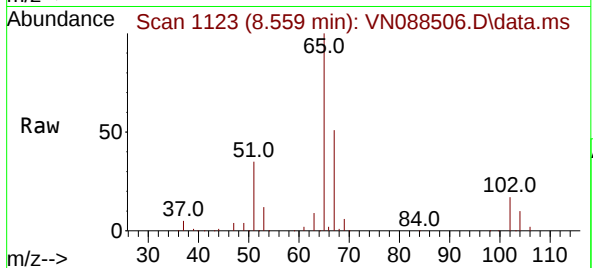
ClientSampleId :

Tgt Ion: 65 Resp: 239068

Ion Ratio Lower Upper

65 100

67 49.6 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088506.D

Acq: 10 Dec 2025 17:13

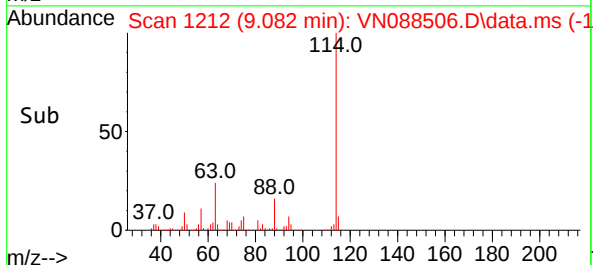
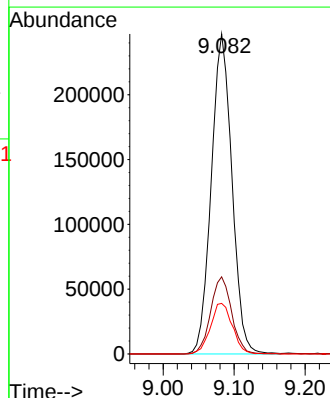
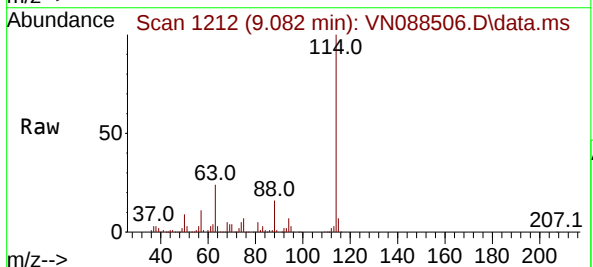
Tgt Ion: 114 Resp: 498044

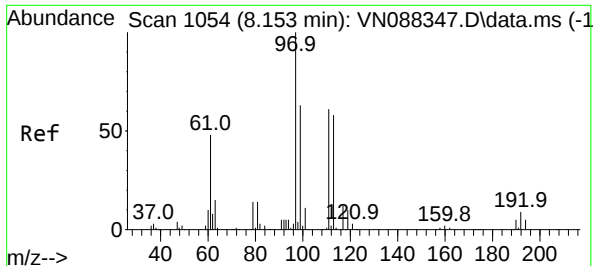
Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.0

88 15.8 0.0 34.0





#35

Dibromofluoromethane

Concen: 48.481 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088506.D

Acq: 10 Dec 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

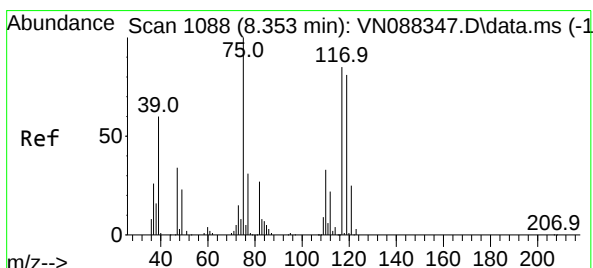
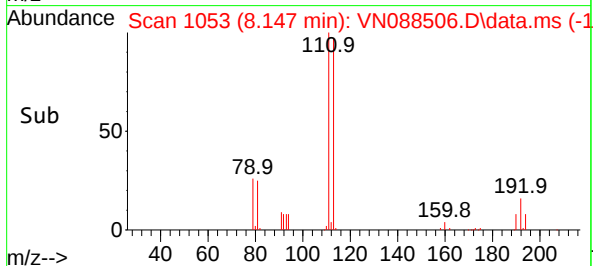
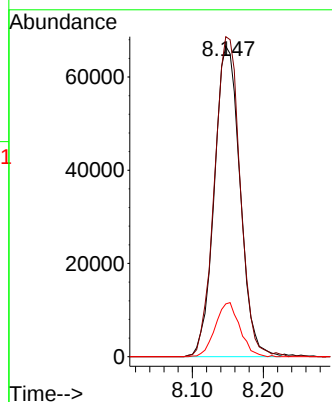
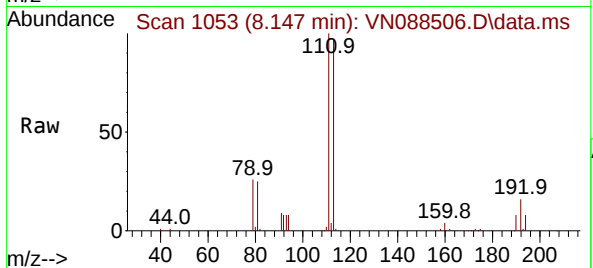
Tgt Ion:113 Resp: 167328

Ion Ratio Lower Upper

113 100

111 102.9 82.5 123.7

192 16.7 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.178 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088506.D

Acq: 10 Dec 2025 17:13

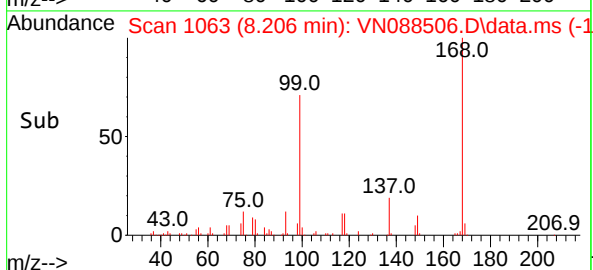
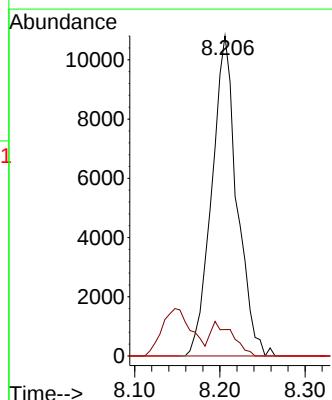
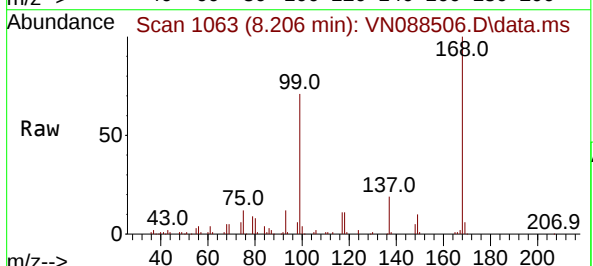
Tgt Ion: 75 Resp: 22253

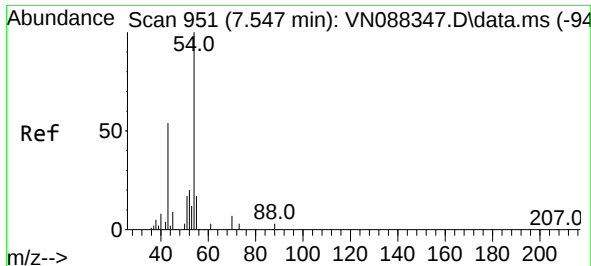
Ion Ratio Lower Upper

75 100

110 9.4 15.8 47.4#

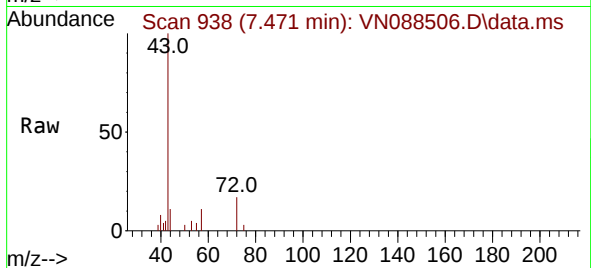
77 0.0 24.2 36.2#



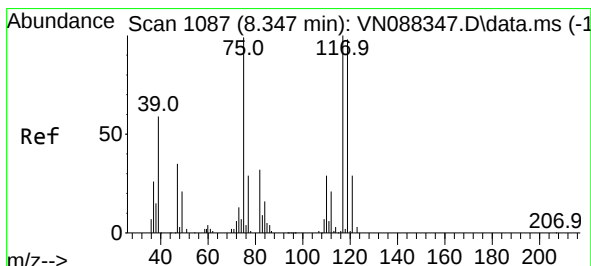
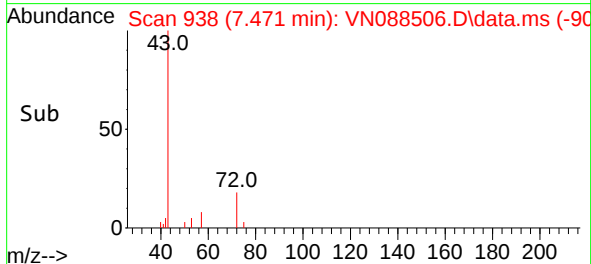
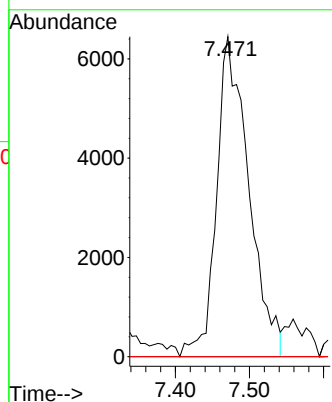


#37
Ethyl Acetate
Concen: 2.771 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.076 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :

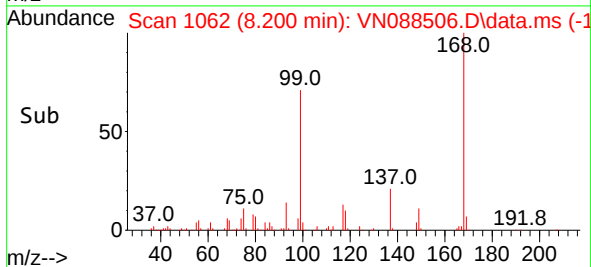
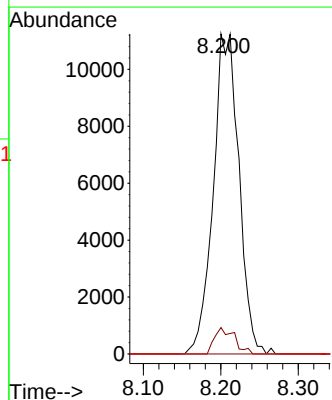
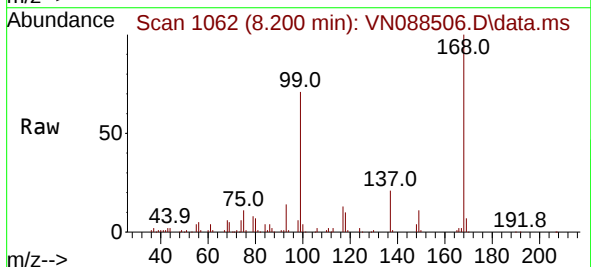


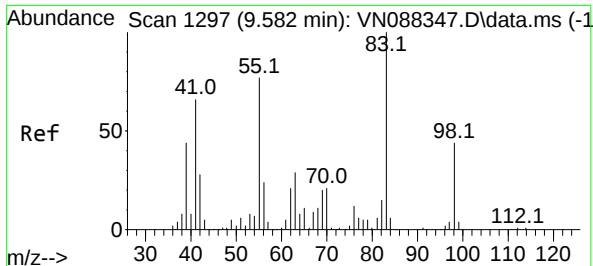
Tgt Ion: 43 Resp: 19409
Ion Ratio Lower Upper
43 100
61 0.0 9.5 14.3#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.893 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.147 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

Tgt Ion: 117 Resp: 25948
Ion Ratio Lower Upper
117 100
119 8.2 78.2 117.4#
121 0.0 23.4 35.2#





#39

Methylcyclohexane

Concen: 1.673 ug/l

RT: 9.576 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VN088506.D

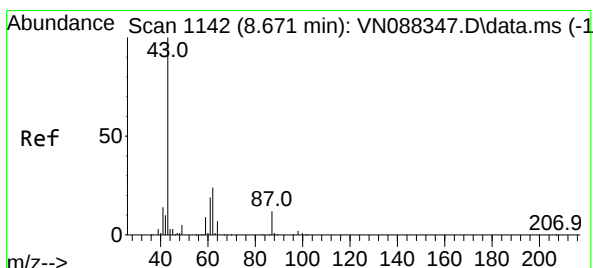
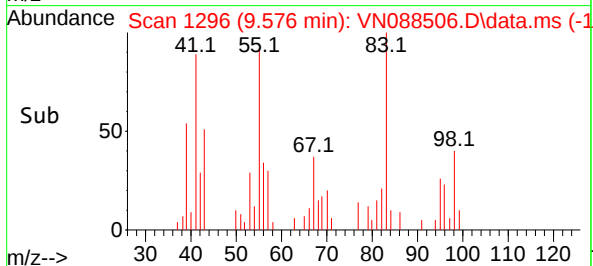
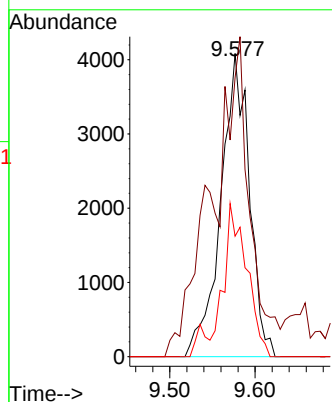
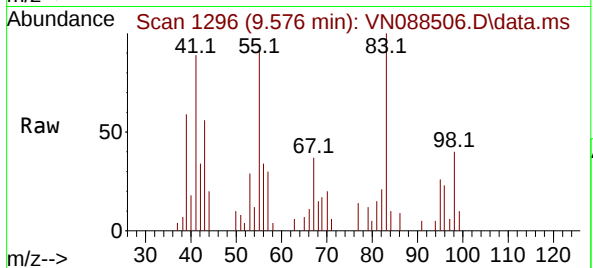
Acq: 10 Dec 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 83	Resp: 9533
Ion Ratio	Lower Upper
83	100
55	85.3 61.6 92.4
98	39.8 35.3 52.9



#43

Isopropyl Acetate

Concen: 2.637 ug/l

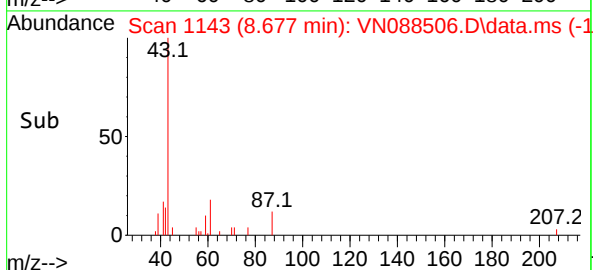
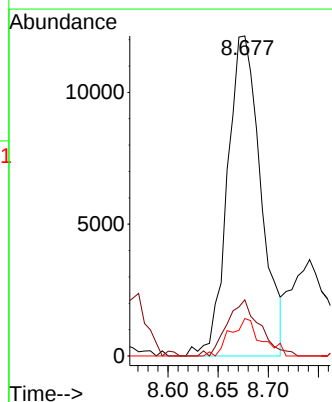
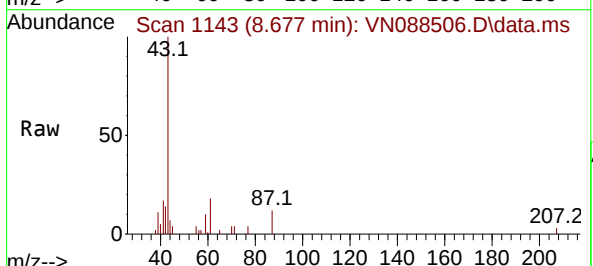
RT: 8.677 min Scan# 1143

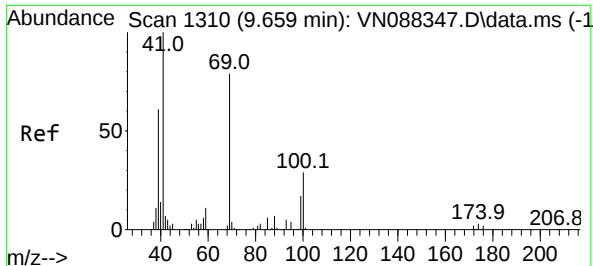
Delta R.T. 0.006 min

Lab File: VN088506.D

Acq: 10 Dec 2025 17:13

Tgt Ion: 43	Resp: 28222
Ion Ratio	Lower Upper
43	100
61	17.2 18.7 28.1#
87	10.7 9.1 13.7





#48

Methyl methacrylate

Concen: 27.547 ug/l

RT: 9.724 min Scan# 1321

Delta R.T. 0.065 min

Lab File: VN088506.D

Acq: 10 Dec 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

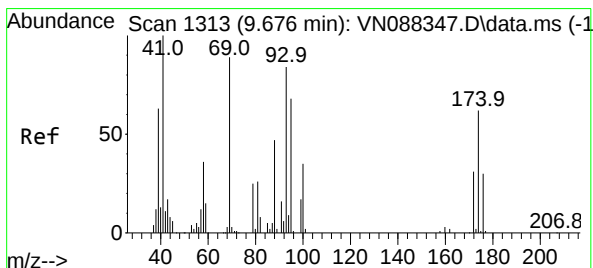
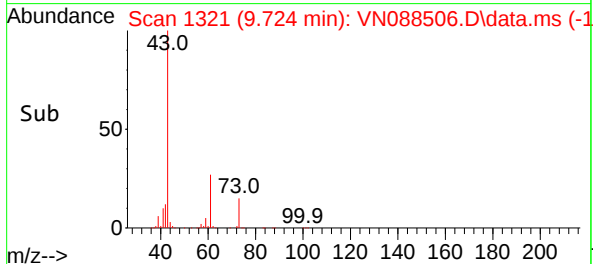
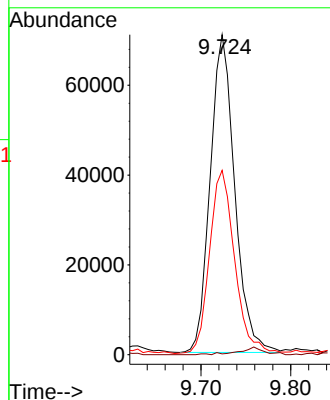
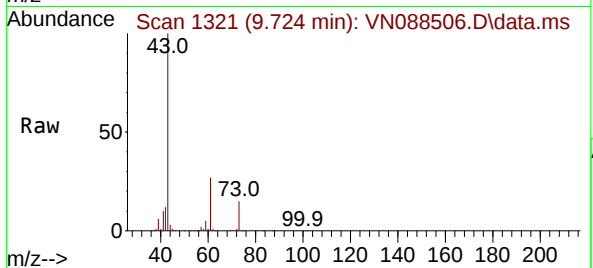
Tgt Ion: 41 Resp: 134498

Ion Ratio Lower Upper

41 100

69 0.0 62.4 93.6#

39 59.0 52.6 79.0



#49

1,4-Dioxane

Concen: 4.477 ug/l

RT: 9.724 min Scan# 1321

Delta R.T. 0.047 min

Lab File: VN088506.D

Acq: 10 Dec 2025 17:13

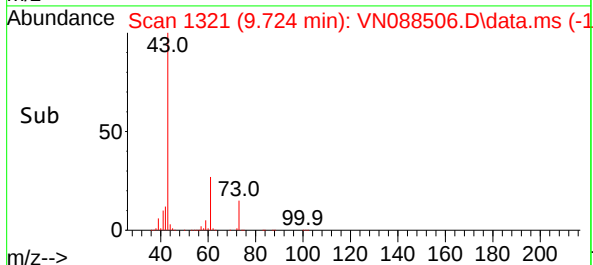
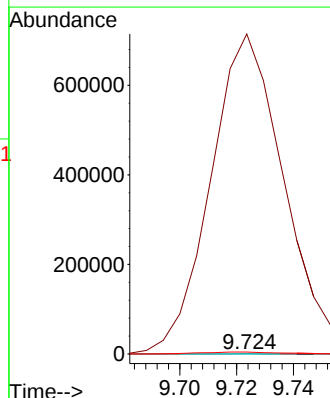
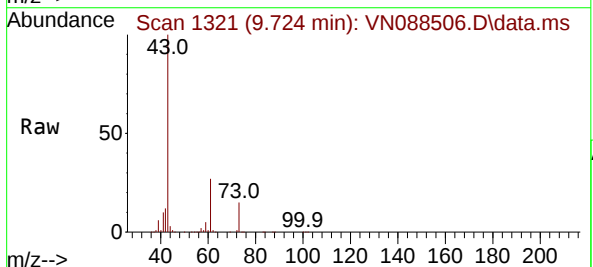
Tgt Ion: 88 Resp: 278

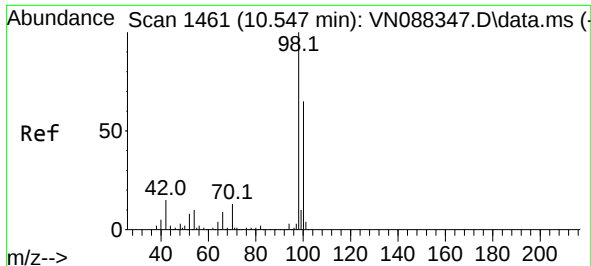
Ion Ratio Lower Upper

88 100

43 474765.1 0.0 0.0#

58 2996.8 62.0 93.0#

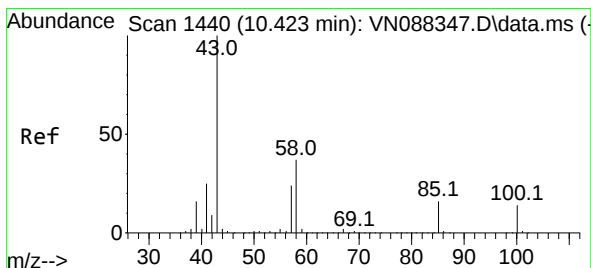
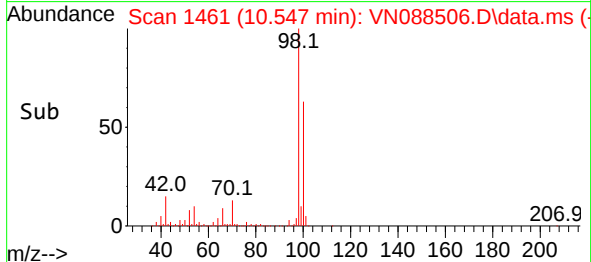
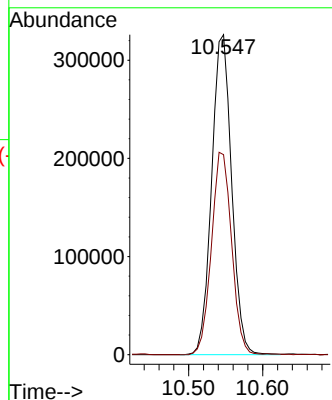
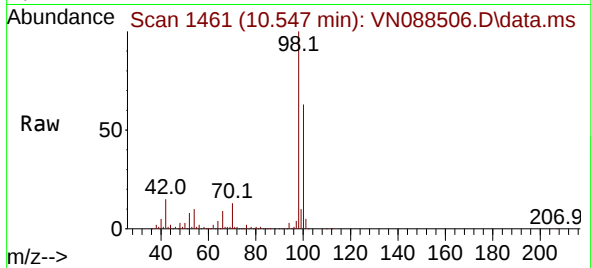




#50
Toluene-d8
Concen: 47.499 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

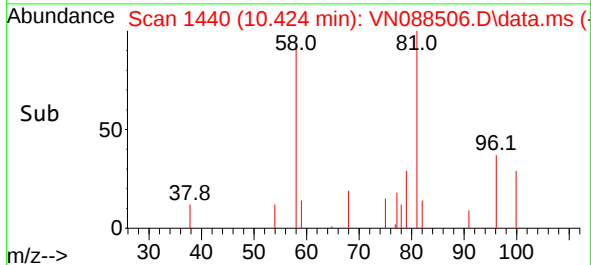
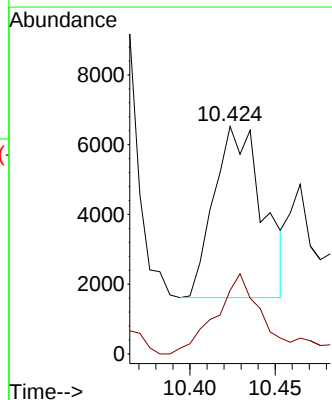
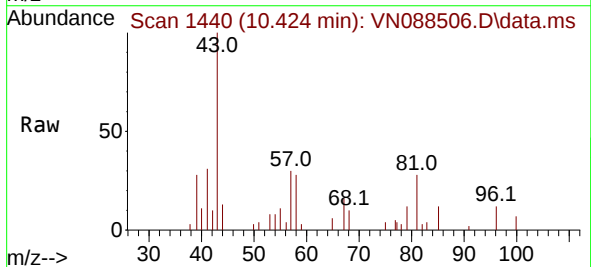
Instrument :
MSVOA_N
ClientSampleId :

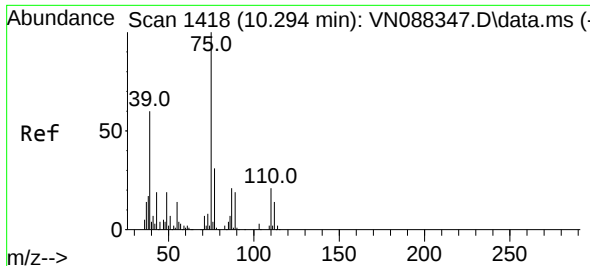
Tgt Ion: 98 Resp: 609976
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.537 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

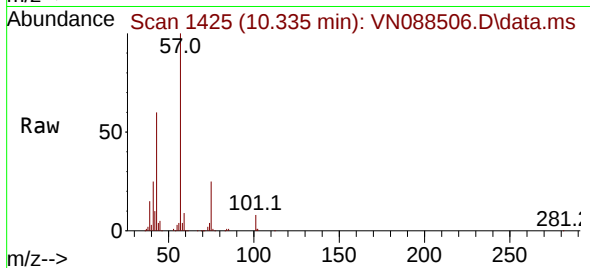
Tgt Ion: 43 Resp: 9695
Ion Ratio Lower Upper
43 100
58 47.6 29.1 43.7#



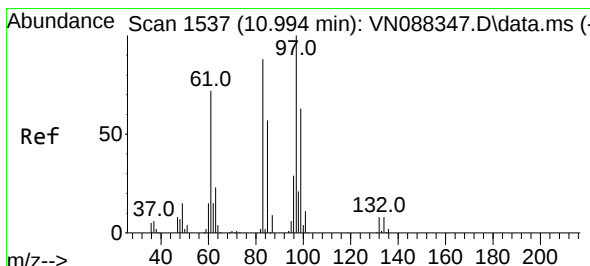
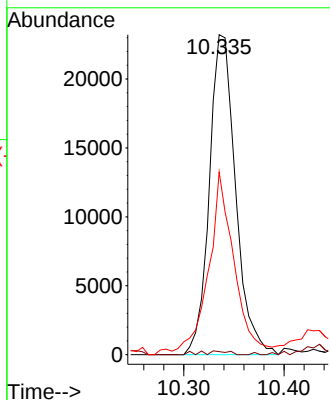
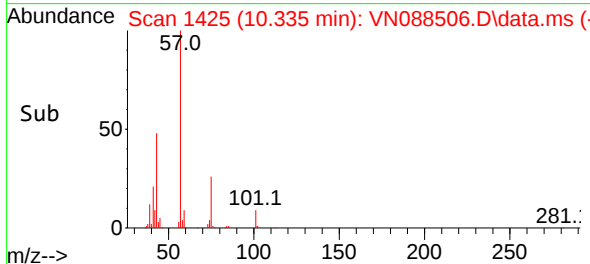


#54
 cis-1,3-Dichloropropene
 Concen: 6.699 ug/l
 RT: 10.335 min Scan# 1418
 Delta R.T. 0.041 min
 Lab File: VN088506.D
 Acq: 10 Dec 2025 17:13

Instrument :
 MSVOA_N
 ClientSampleId :

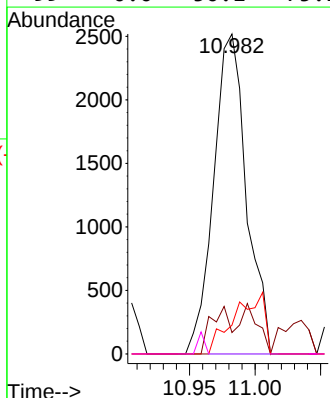
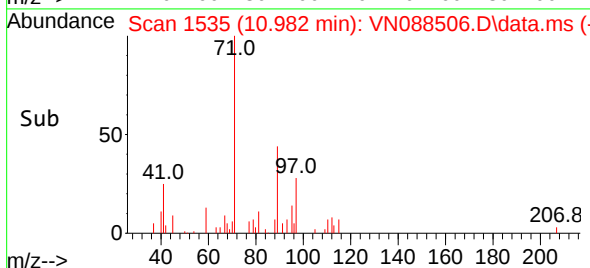
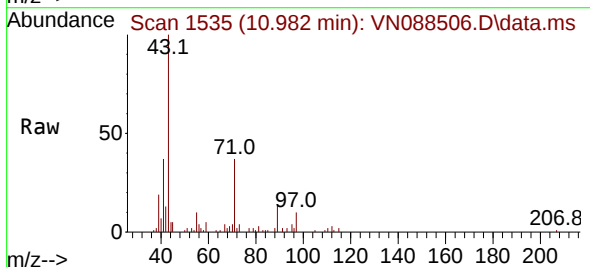


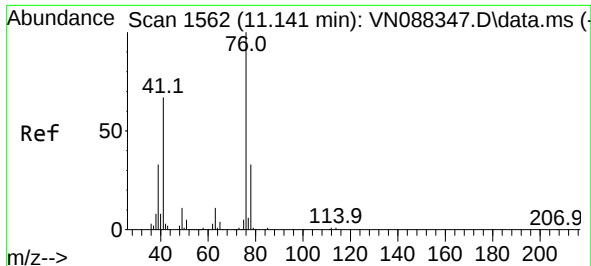
Tgt Ion: 75 Resp: 42179
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.5 36.7#
 39 55.2 48.3 72.5



#55
 1,1,2-Trichloroethane
 Concen: 1.254 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. -0.012 min
 Lab File: VN088506.D
 Acq: 10 Dec 2025 17:13

Tgt Ion: 97 Resp: 4379
 Ion Ratio Lower Upper
 97 100
 83 6.7 70.4 105.6#
 85 9.0 45.4 68.2#
 99 0.0 50.1 75.1#





#57

1,3-Dichloropropane

Concen: 0.628 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.047 min

Lab File: VN088506.D

Acq: 10 Dec 2025 17:13

Instrument :

MSVOA_N

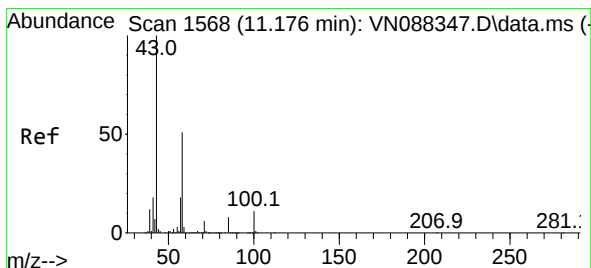
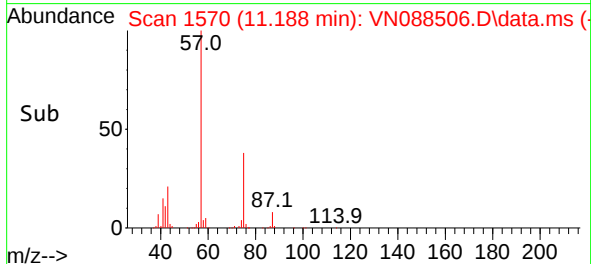
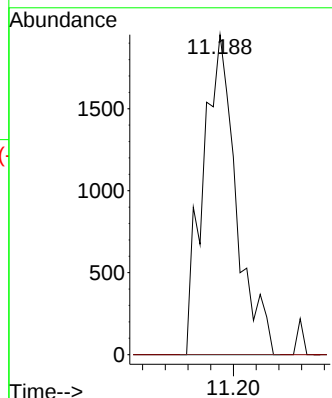
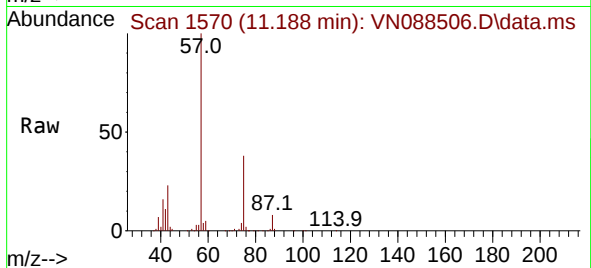
ClientSampleId :

Tgt Ion: 76 Resp: 3958

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 16.748 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.012 min

Lab File: VN088506.D

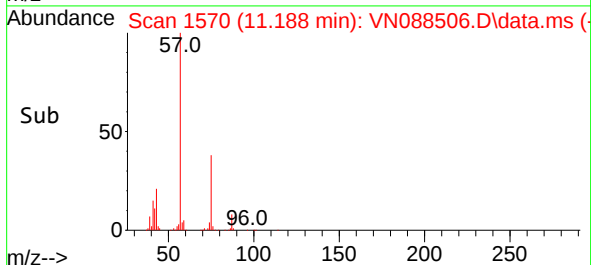
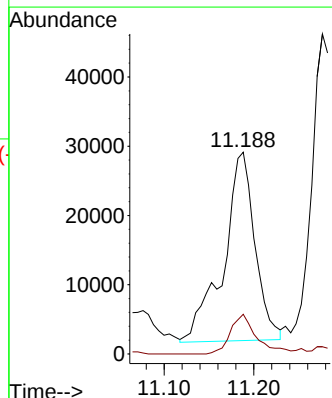
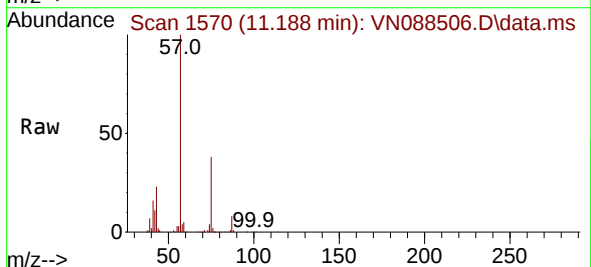
Acq: 10 Dec 2025 17:13

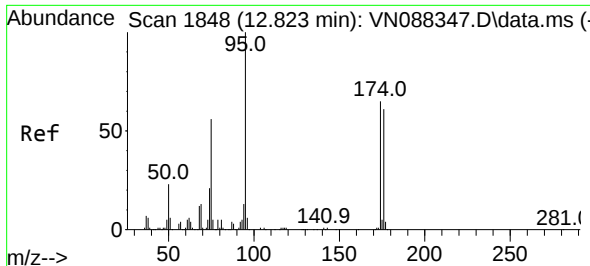
Tgt Ion: 43 Resp: 66546

Ion Ratio Lower Upper

43 100

58 17.5 25.3 75.9#

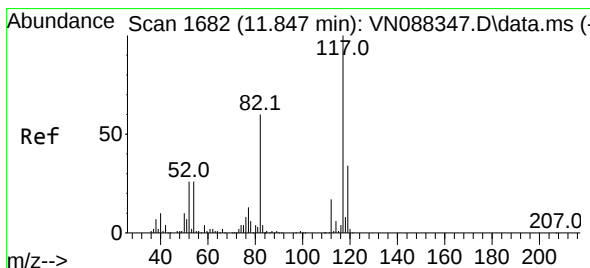
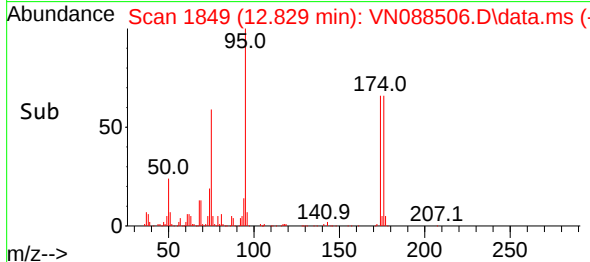
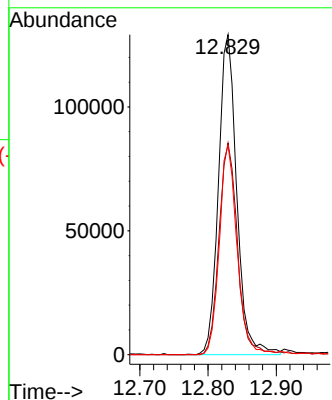
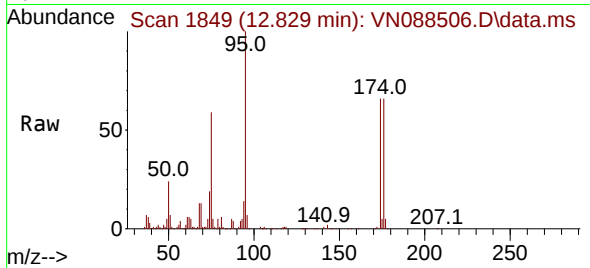




#62
4-Bromofluorobenzene
Concen: 54.845 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

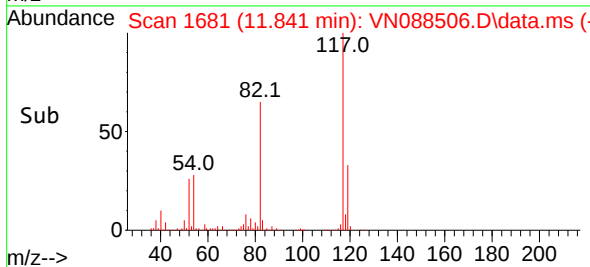
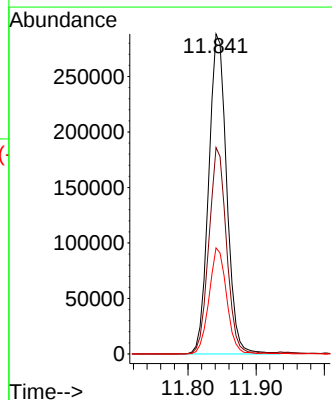
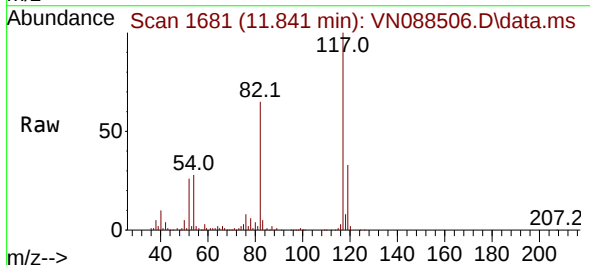
Instrument :
MSVOA_N
ClientSampleId :

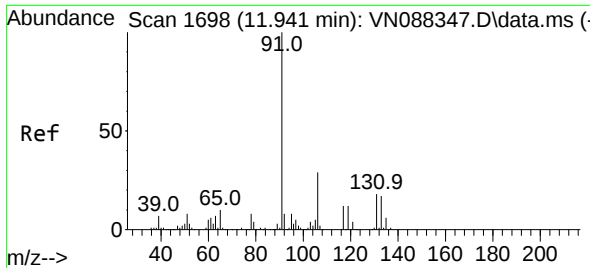
Tgt Ion: 95 Resp: 241666
Ion Ratio Lower Upper
95 100
174 66.3 0.0 139.0
176 64.3 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

Tgt Ion: 117 Resp: 530030
Ion Ratio Lower Upper
117 100
82 64.4 47.8 71.8
119 33.1 26.9 40.3

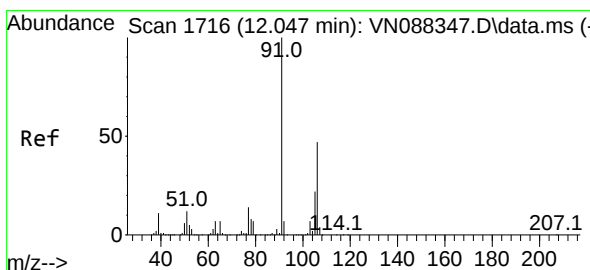
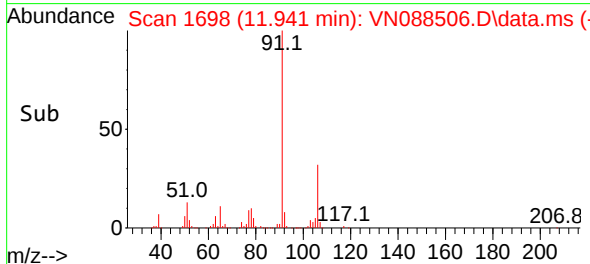
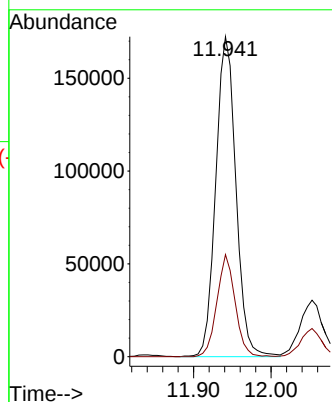
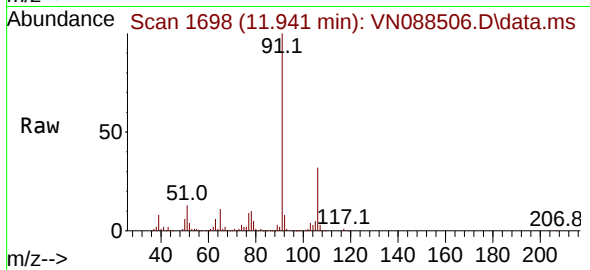




#67
Ethyl Benzene
Concen: 14.962 ug/l
RT: 11.941 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

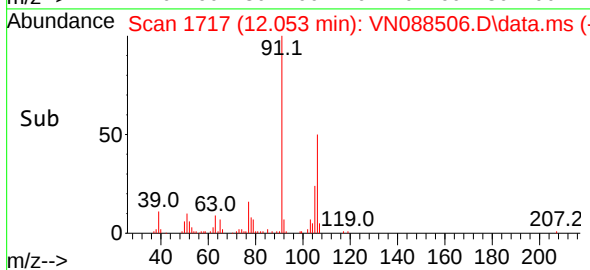
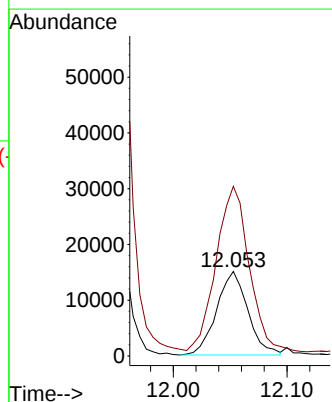
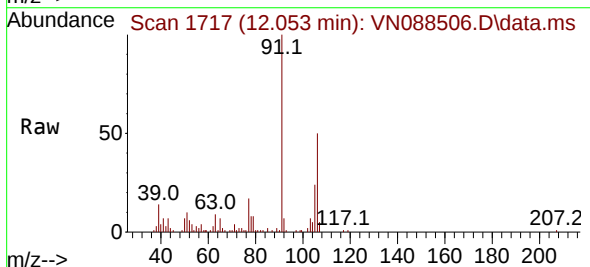
Instrument :
MSVOA_N
ClientSampleId :

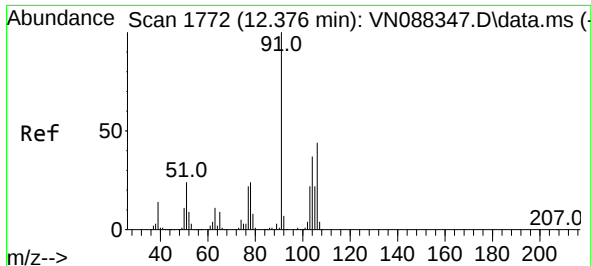
Tgt Ion: 91 Resp: 311343
Ion Ratio Lower Upper
91 100
106 31.9 23.6 35.4



#68
m/p-Xylenes
Concen: 3.704 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

Tgt Ion:106 Resp: 28575
Ion Ratio Lower Upper
106 100
91 213.7 167.8 251.6

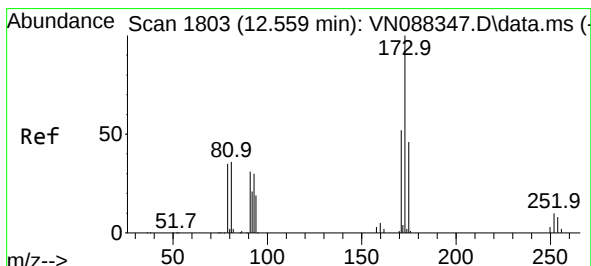
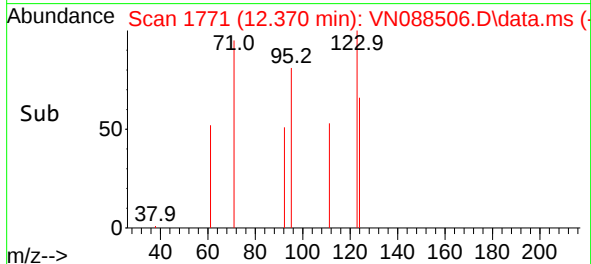
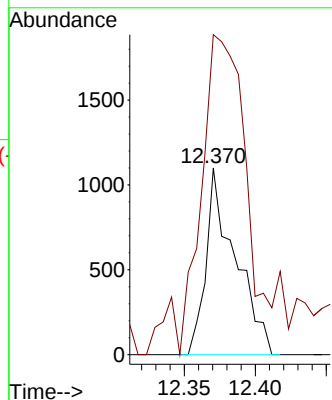
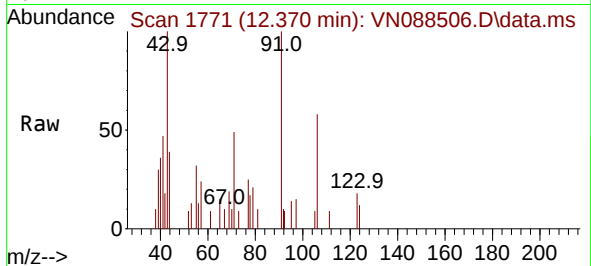




#69
o-Xylene
Concen: 0.214 ug/l
RT: 12.370 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

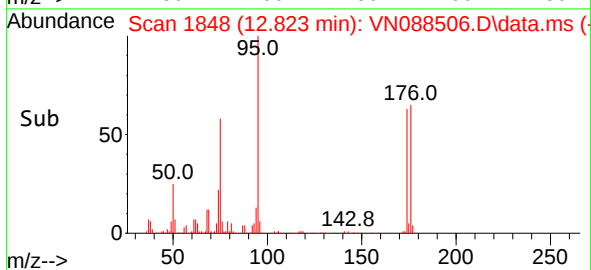
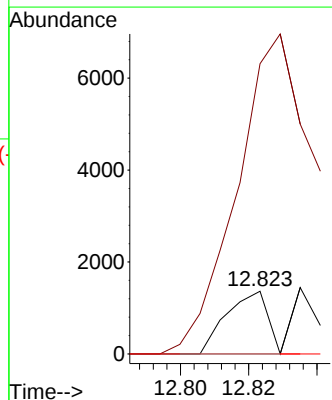
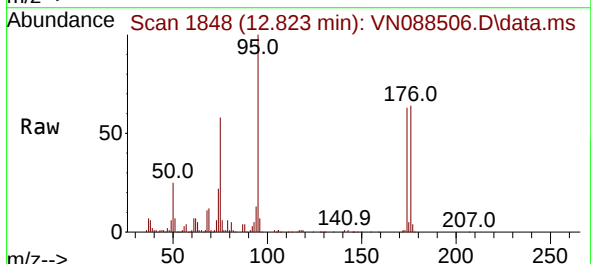
Instrument :
MSVOA_N
ClientSampleId :

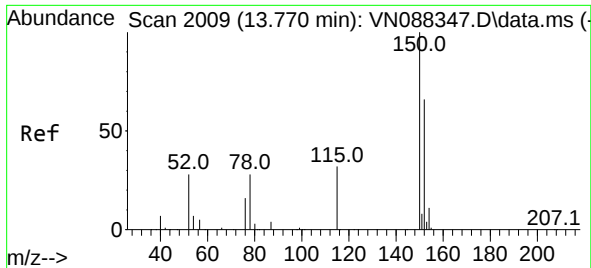
Tgt Ion:106 Resp: 1576
Ion Ratio Lower Upper
106 100
91 273.5 112.9 338.7



#71
Bromoform
Concen: 0.388 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.265 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

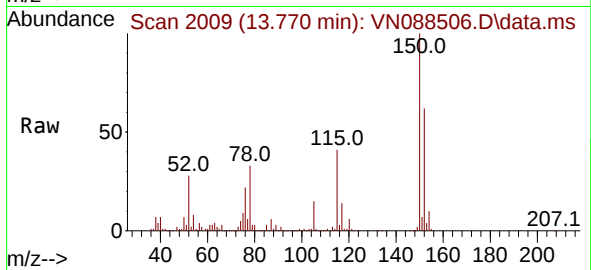
Tgt Ion:173 Resp: 1142
Ion Ratio Lower Upper
173 100
175 783.5 23.9 71.8#
254 0.0 0.1 0.1#



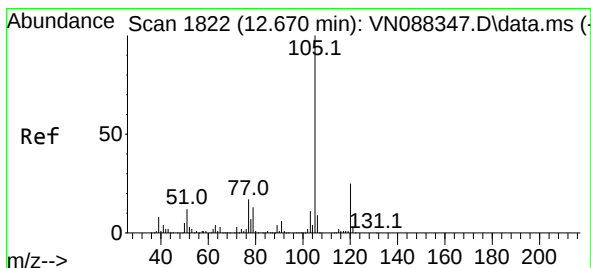
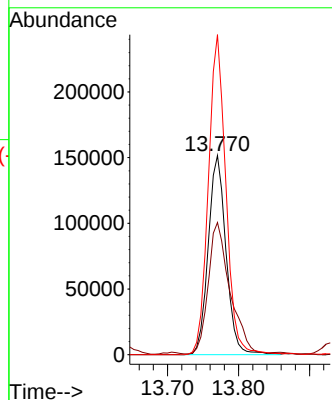
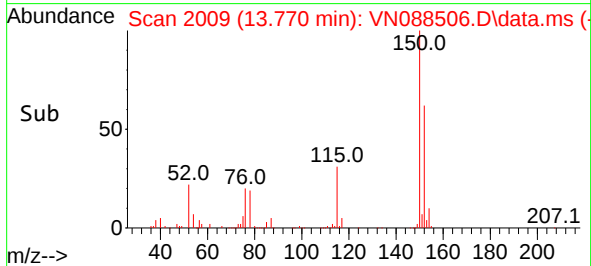


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :

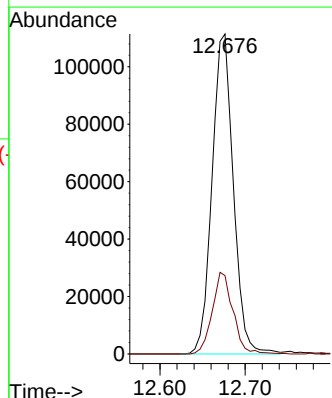
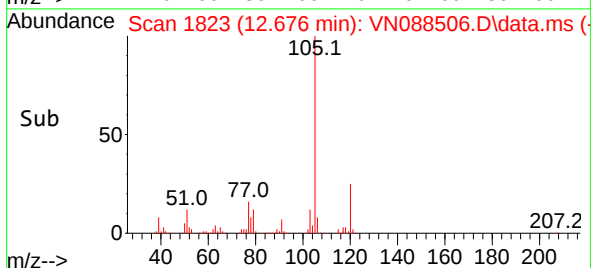
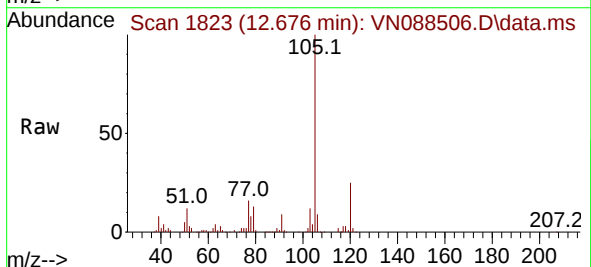


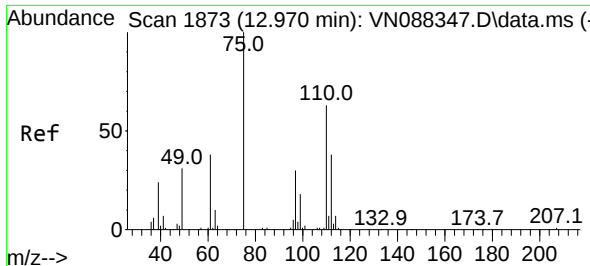
Tgt Ion:152 Resp: 264391
Ion Ratio Lower Upper
152 100
115 80.2 33.0 98.9
150 158.1 0.0 349.0



#73
Isopropylbenzene
Concen: 9.914 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

Tgt Ion:105 Resp: 193813
Ion Ratio Lower Upper
105 100
120 24.8 12.8 38.3

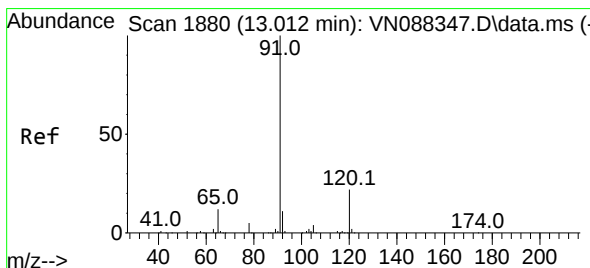
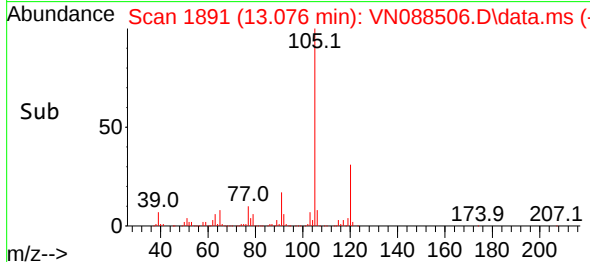
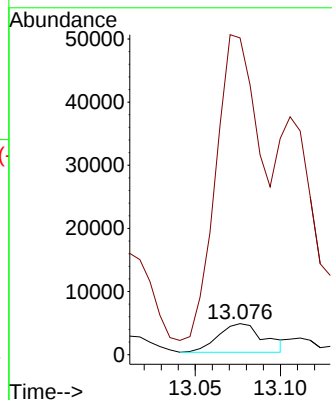
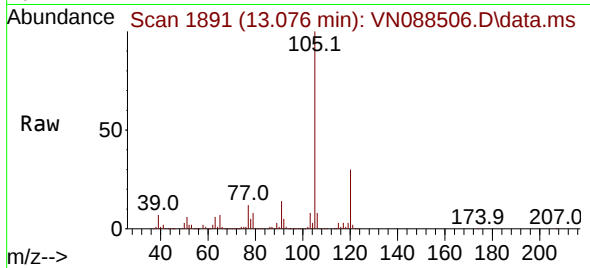




#76
1,2,3-Trichloropropane
Concen: 1.374 ug/l
RT: 13.076 min Scan# 1891
Delta R.T. 0.106 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

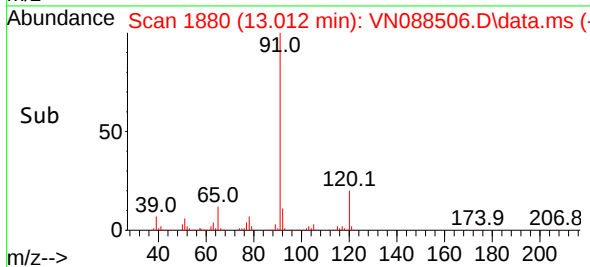
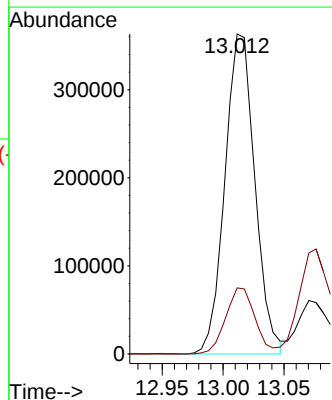
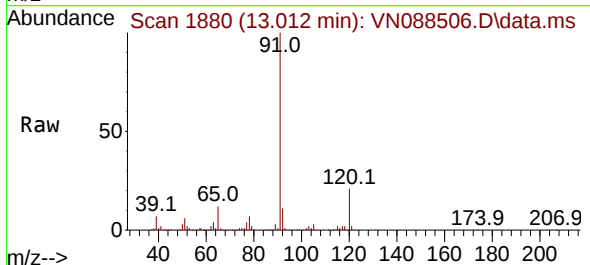
Instrument :
MSVOA_N
ClientSampleId :

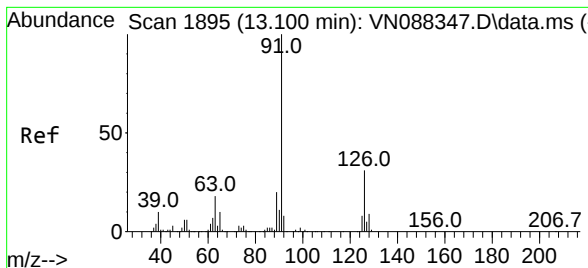
Tgt Ion: 75 Resp: 8506
Ion Ratio Lower Upper
75 100
77 1111.0 87.2 261.6#



#78
n-propylbenzene
Concen: 26.032 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

Tgt Ion: 91 Resp: 622575
Ion Ratio Lower Upper
91 100
120 20.1 10.9 32.6





#79

2-Chlorotoluene

Concen: 4.815 ug/l

RT: 13.070 min Scan# 1895

Delta R.T. -0.029 min

Lab File: VN088506.D

Acq: 10 Dec 2025 17:13

Instrument :

MSVOA_N

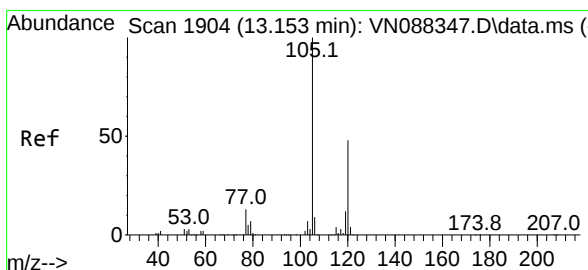
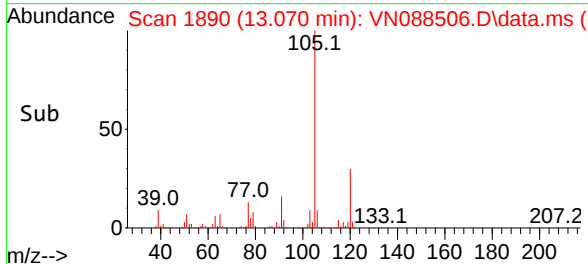
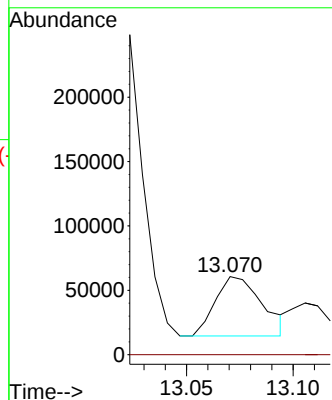
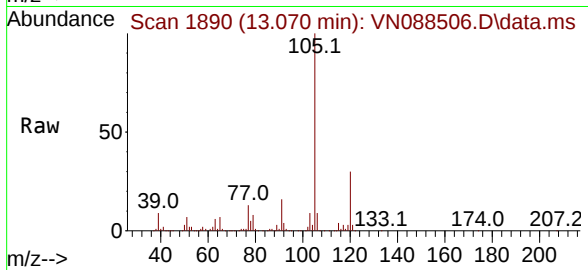
ClientSampleId :

Tgt Ion: 91 Resp: 70327

Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.9#



#80

1,3,5-Trimethylbenzene

Concen: 24.006 ug/l

RT: 13.147 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VN088506.D

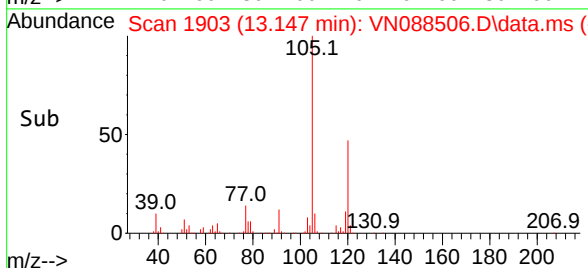
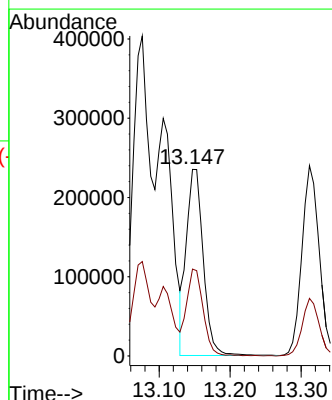
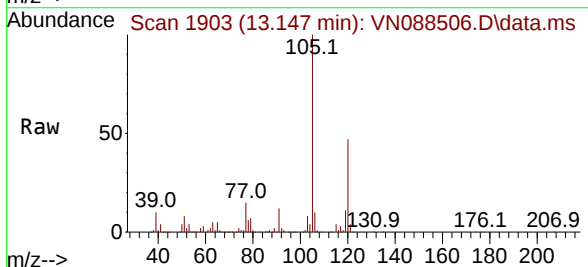
Acq: 10 Dec 2025 17:13

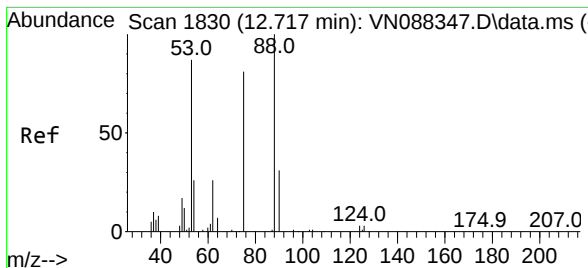
Tgt Ion:105 Resp: 388876

Ion Ratio Lower Upper

105 100

120 45.8 23.8 71.5

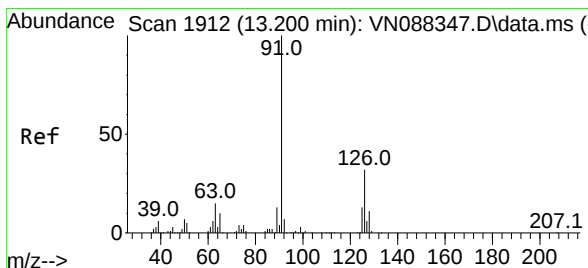
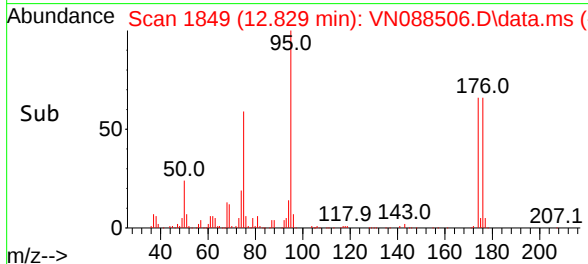
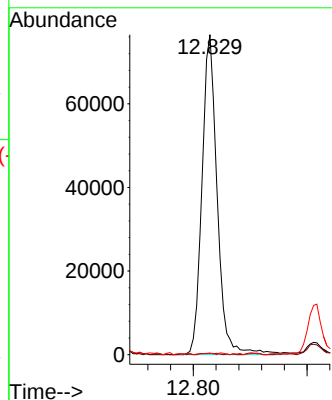
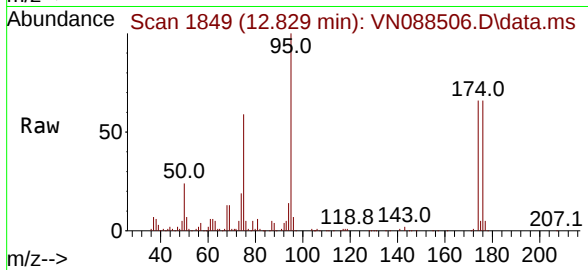




#81
trans-1,4-Dichloro-2-butene
Concen: 65.046 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

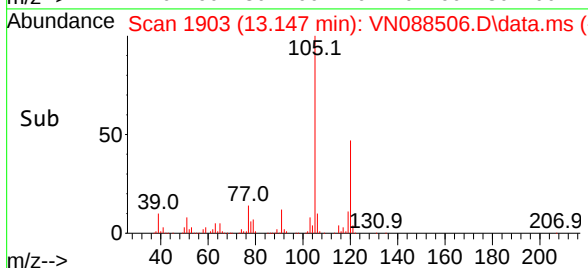
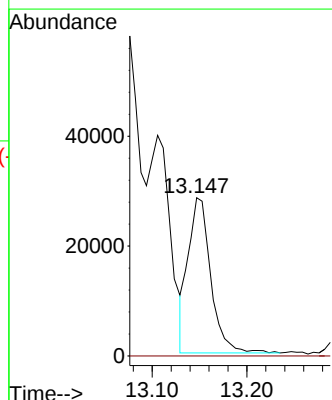
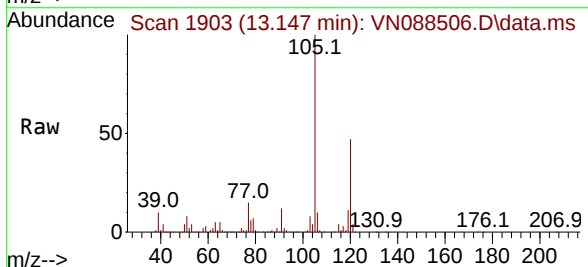
Instrument :
MSVOA_N
ClientSampleId :

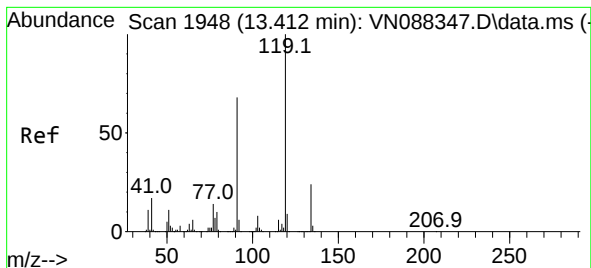
Tgt Ion: 75 Resp: 141983
Ion Ratio Lower Upper
75 100
53 0.5 92.2 138.4#
89 0.4 0.0 0.0#



#82
4-Chlorotoluene
Concen: 3.240 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.053 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

Tgt Ion: 91 Resp: 47002
Ion Ratio Lower Upper
91 100
126 0.0 15.6 46.7#





#83

tert-Butylbenzene

Concen: 15.488 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. 0.047 min

Lab File: VN088506.D

Acq: 10 Dec 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

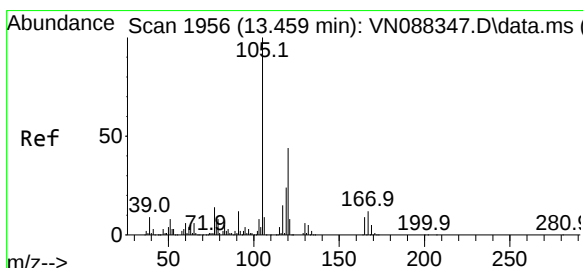
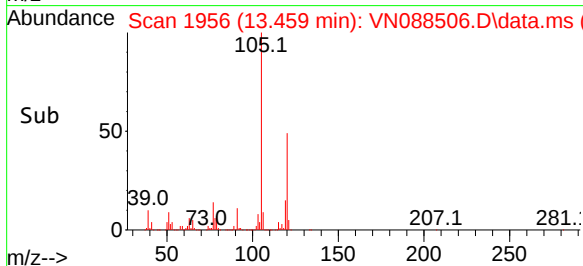
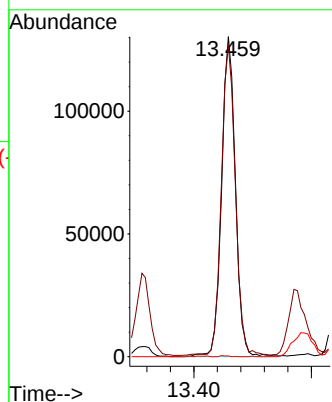
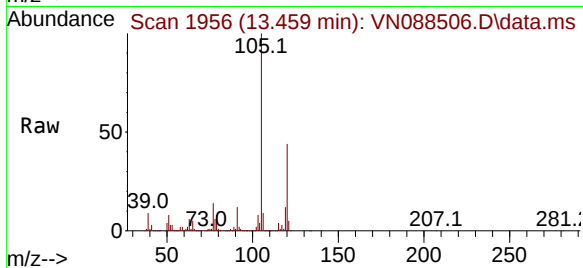
Tgt Ion:119 Resp: 213273

Ion Ratio Lower Upper

119 100

91 97.9 35.1 105.3

134 0.0 12.8 38.4#



#84

1,2,4-Trimethylbenzene

Concen: 110.503 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VN088506.D

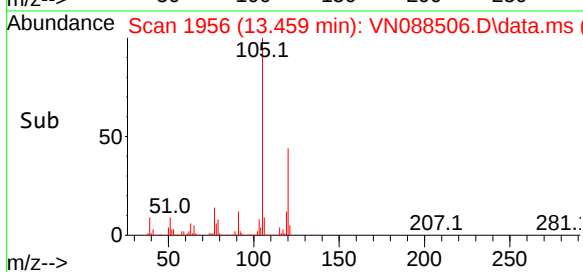
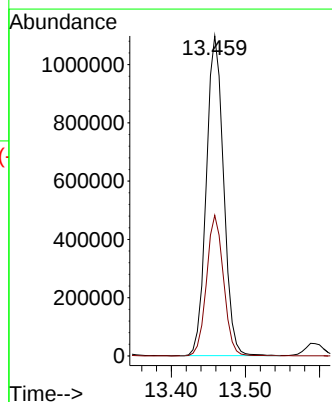
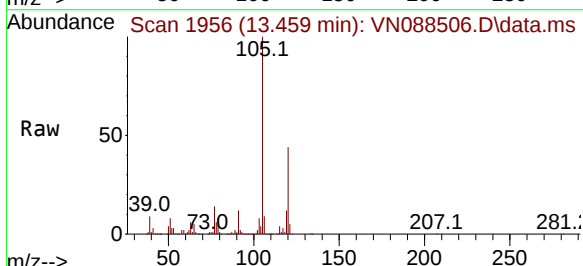
Acq: 10 Dec 2025 17:13

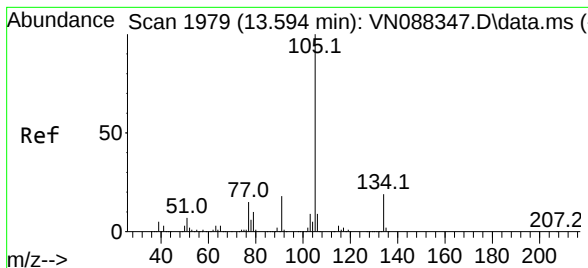
Tgt Ion:105 Resp: 1779205

Ion Ratio Lower Upper

105 100

120 43.3 22.1 66.1





#85

sec-Butylbenzene

Concen: 3.629 ug/l

RT: 13.588 min Scan# 1978

Delta R.T. -0.006 min

Lab File: VN088506.D

Acq: 10 Dec 2025 17:13

Instrument :

MSVOA_N

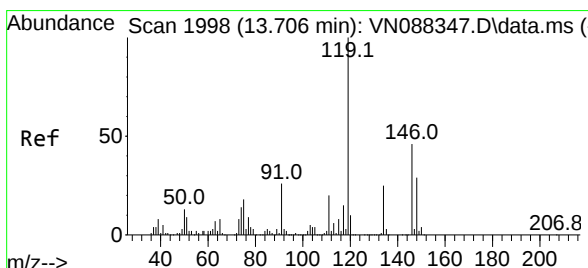
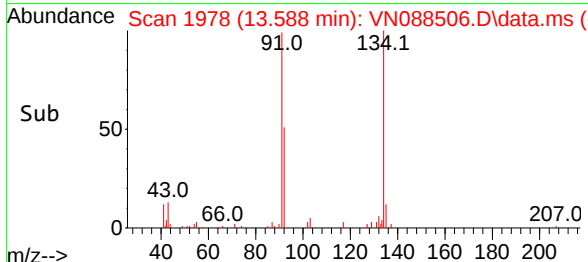
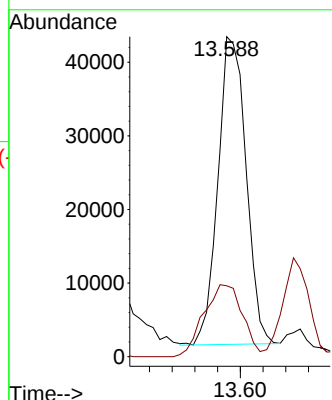
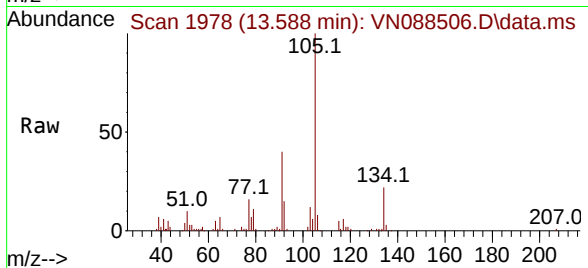
ClientSampleId :

Tgt Ion:105 Resp: 71798

Ion Ratio Lower Upper

105 100

134 32.2 9.5 28.5#



#86

p-Isopropyltoluene

Concen: 1.611 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. 0.000 min

Lab File: VN088506.D

Acq: 10 Dec 2025 17:13

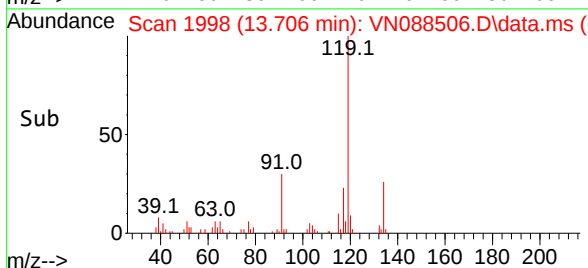
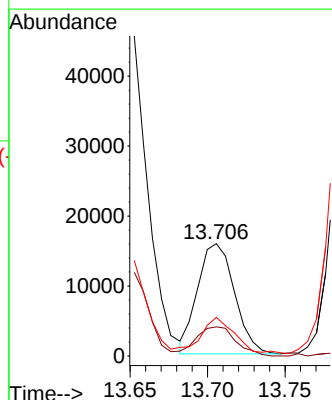
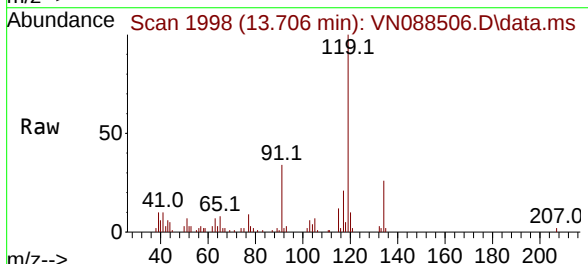
Tgt Ion:119 Resp: 26126

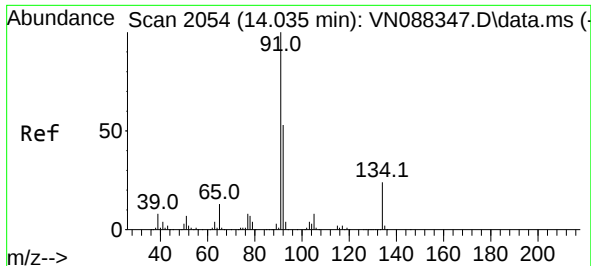
Ion Ratio Lower Upper

119 100

134 28.9 12.2 36.6

91 28.8 13.0 39.0

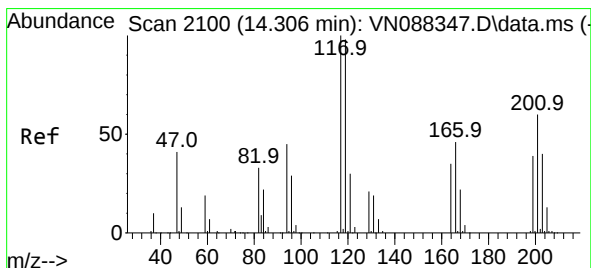
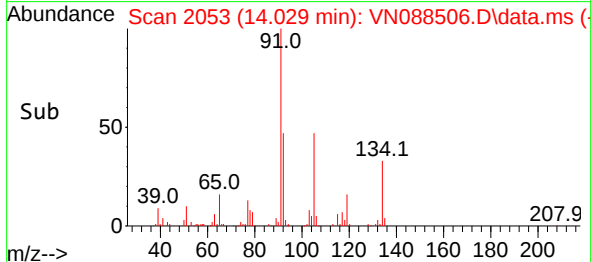
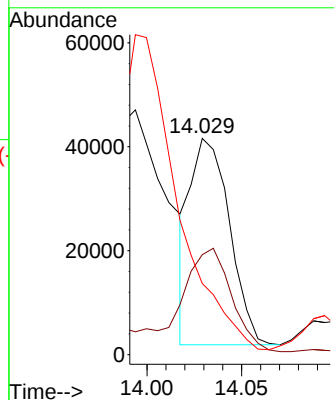
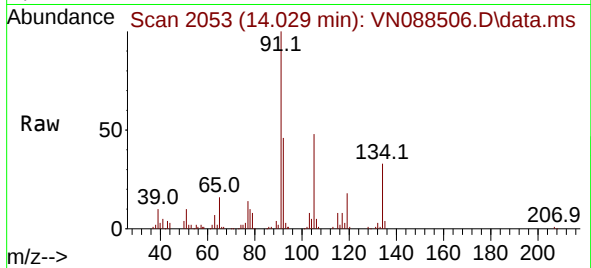




#89
n-Butylbenzene
Concen: 3.630 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. -0.006 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

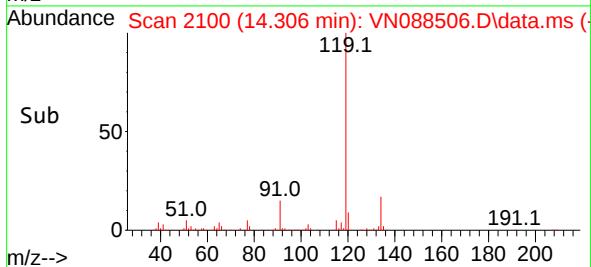
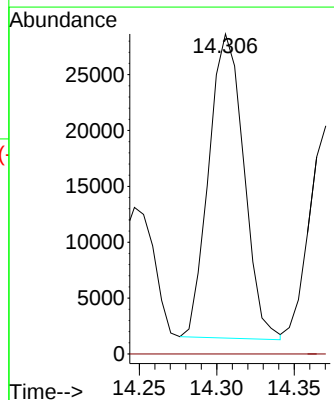
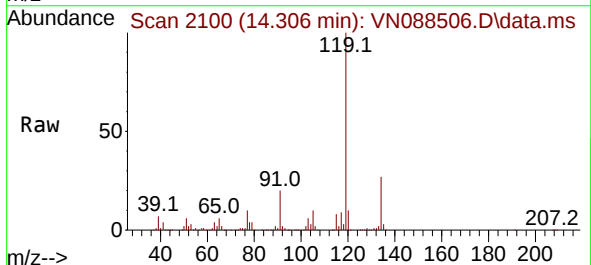
Instrument :
MSVOA_N
ClientSampleId :

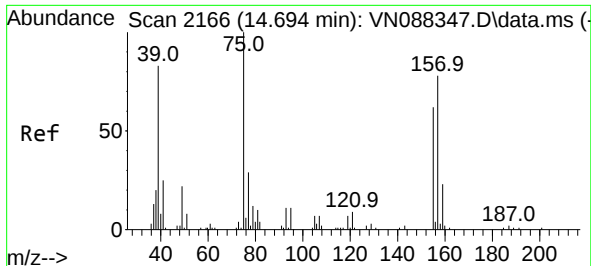
Tgt Ion: 91 Resp: 57174
Ion Ratio Lower Upper
91 100
92 60.1 26.1 78.3
134 0.0 11.7 35.1#



#90
Hexachloroethane
Concen: 14.413 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. 0.000 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

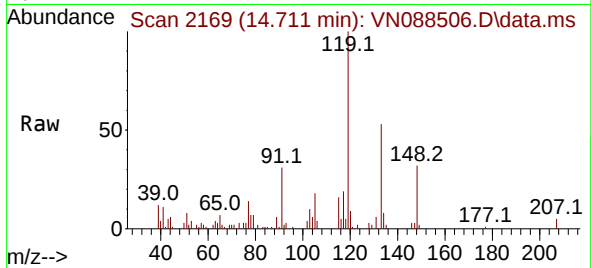
Tgt Ion: 117 Resp: 42711
Ion Ratio Lower Upper
117 100
201 0.0 30.3 90.9#



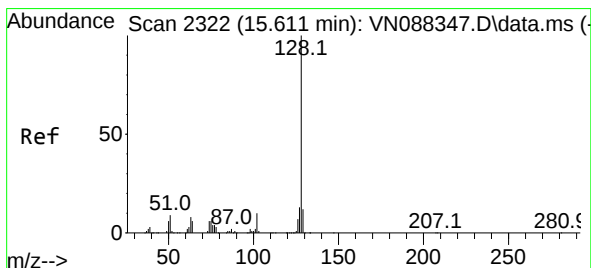
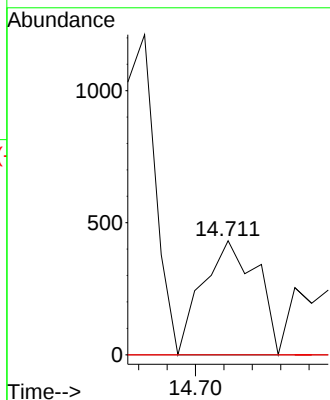
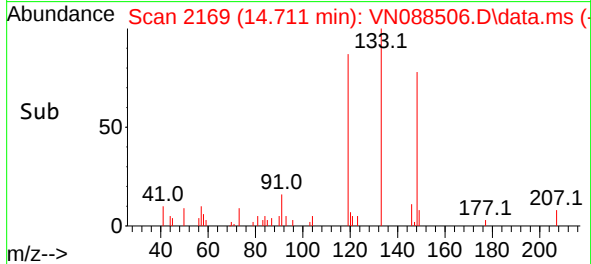


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.374 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. 0.018 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 574
Ion Ratio Lower Upper
75 100
155 0.0 33.7 101.1#
157 0.0 43.8 131.3#



#95
Naphthalene
Concen: 21.626 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN088506.D
Acq: 10 Dec 2025 17:13

Tgt Ion:128 Resp: 364838
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.0 9.0 13.6

