

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
 Data File : VN088022.D
 Acq On : 03 Oct 2025 14:38
 Operator : JC\MD
 Sample : Q3274-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW5

Quant Time: Oct 04 02:57:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	274294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	584137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	570238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	295091	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	228064	49.406	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.820%
35) Dibromofluoromethane	8.147	113	183432	43.250	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.500%
50) Toluene-d8	10.547	98	682810	45.782	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.560%
62) 4-Bromofluorobenzene	12.829	95	261988	49.143	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.280%

Target Compounds					Qvalue	
11) Tert butyl alcohol	5.471	59	1381	2.077	ug/l #	71
13) Acrolein	4.142	56	11607	13.605	ug/l #	1
14) Allyl chloride	5.124	41	30141	6.426	ug/l #	51
15) Acrylonitrile	5.800	53	30781	14.759	ug/l #	39
16) Acetone	4.424	43	343936	181.086	ug/l	97
18) Methyl Acetate	5.106	43	14166	2.980	ug/l #	51
20) Methylene Chloride	5.271	84	4083	1.062	ug/l #	2
23) Vinyl Acetate	6.636	43	14097	1.529	ug/l #	72
24) 1,1-Dichloroethane	6.641	63	5417	0.847	ug/l #	81
25) 2-Butanone	7.483	43	15223	5.244	ug/l #	81
26) 2,2-Dichloropropane	7.418	77	2286	0.402	ug/l #	53
28) Bromochloromethane	7.994	49	2268	0.653	ug/l #	13
29) Tetrahydrofuran	7.824	42	1070	0.576	ug/l #	32
30) Chloroform	7.994	83	5924	0.847	ug/l	87
31) Cyclohexane	8.241	56	1363619	263.431	ug/l	96
36) 1,1-Dichloropropene	8.206	75	25231	4.947	ug/l #	44
37) Ethyl Acetate	7.483	43	15223	2.273	ug/l #	69
38) Carbon Tetrachloride	8.200	117	31294	5.348	ug/l #	18
39) Methylcyclohexane	9.582	83	1237115	219.900	ug/l	99
40) Benzene	8.588	78	1267518	75.065	ug/l	98
41) Methacrylonitrile	7.730	41	1743	0.504	ug/l #	9
43) Isopropyl Acetate	8.688	43	53014	5.029	ug/l #	58
45) 1,2-Dichloropropane	9.588	63	15246	3.601	ug/l #	1
48) Methyl methacrylate	9.582	41	642005	131.517	ug/l #	73
51) 4-Methyl-2-Pentanone	10.547	43	13690	2.081	ug/l	95
52) Toluene	10.612	92	75631	7.138	ug/l	93
55) 1,1,2-Trichloroethane	10.982	97	54946	12.753	ug/l #	18
56) Ethyl methacrylate	10.835	69	2454	0.394	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.135	63	2145	0.733	ug/l #	47
67) Ethyl Benzene	11.941	91	411229	20.309	ug/l	97
68) m/p-Xylenes	12.053	106	88034	11.368	ug/l	91
69) o-Xylene	12.376	106	26208	3.522	ug/l	95
73) Isopropylbenzene	12.670	105	1061275	58.028	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.912	83	1721	0.261	ug/l #	36
76) 1,2,3-Trichloropropane	13.012	75	17424	2.995	ug/l #	1
78) n-propylbenzene	13.012	91	2432561	106.383	ug/l	100

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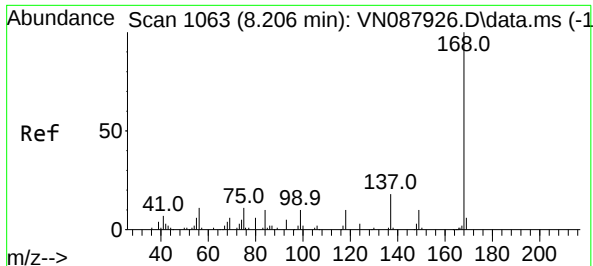
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

79) 2-Chlorotoluene	13.012	91	2432561	174.717	ug/l #	41
80) 1,3,5-Trimethylbenzene	13.106	105	100138	6.330	ug/l	73
81) trans-1,4-Dichloro-2-b...	12.670	75	13939	6.654	ug/l #	66
82) 4-Chlorotoluene	13.012	91	2432561	173.394	ug/l #	41
83) tert-Butylbenzene	13.412	119	23219	1.734	ug/l	80
84) 1,2,4-Trimethylbenzene	13.459	105	11207	0.691	ug/l	88
85) sec-Butylbenzene	13.594	105	203166	10.349	ug/l #	72
86) p-Isopropyltoluene	13.706	119	31335	1.885	ug/l	96
89) n-Butylbenzene	14.029	91	244616	15.568	ug/l #	77
90) Hexachloroethane	14.306	117	140751	40.526	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.712	75	1134	0.741	ug/l #	4
95) Naphthalene	15.617	128	29897	1.723	ug/l #	84

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

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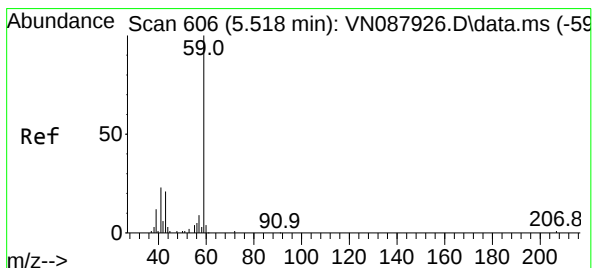
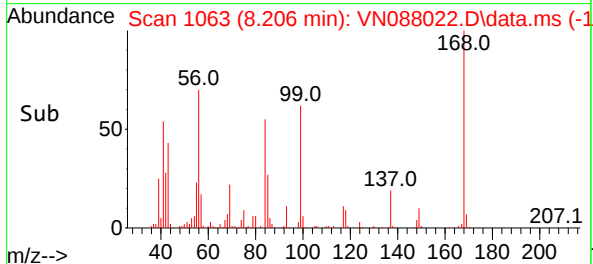
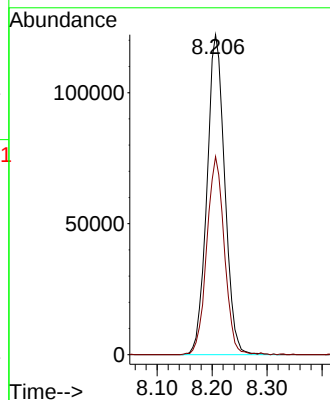
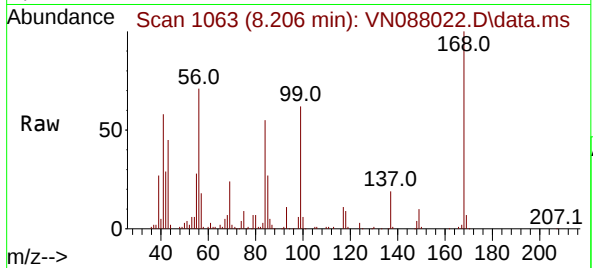




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

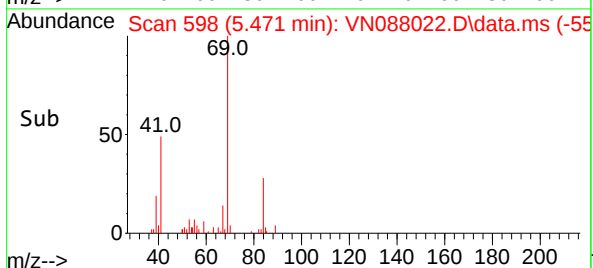
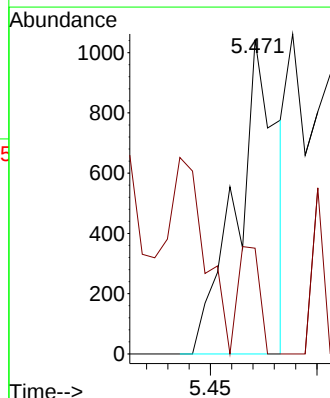
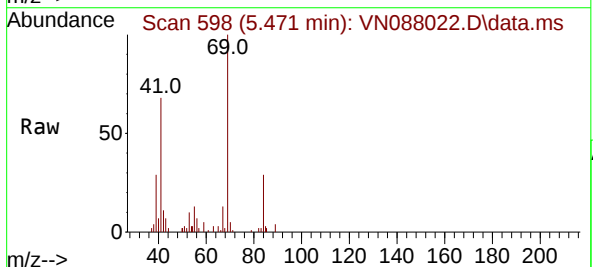
Instrument :
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ClientSampleId :
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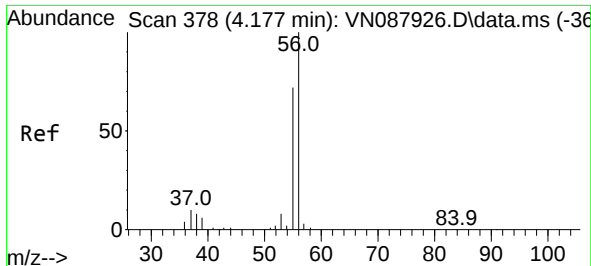
Tgt Ion:168 Resp: 274294
Ion Ratio Lower Upper
168 100
99 61.9 52.2 78.2



#11
Tert butyl alcohol
Concen: 2.077 ug/l
RT: 5.471 min Scan# 598
Delta R.T. -0.047 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 59 Resp: 1381
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#





#13

Acrolein

Concen: 13.605 ug/l

RT: 4.142 min Scan# 31

Delta R.T. -0.035 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

Instrument :

MSVOA_N

ClientSampleId :

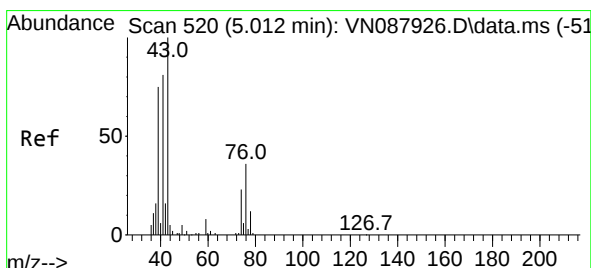
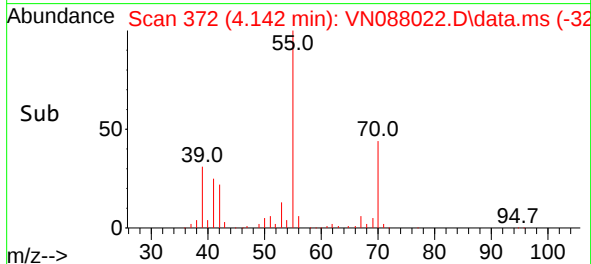
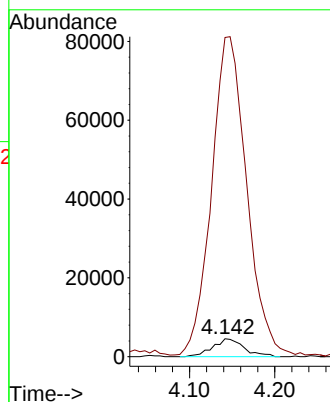
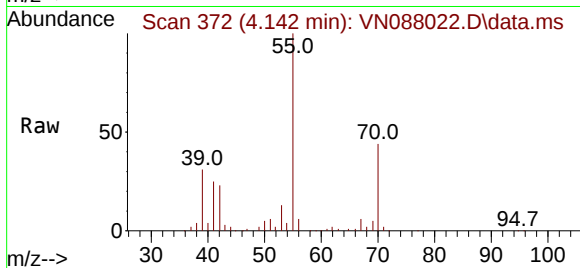
MW5

Tgt Ion: 56 Resp: 11607

Ion Ratio Lower Upper

56 100

55 2013.2 59.3 88.9#



#14

Allyl chloride

Concen: 6.426 ug/l

RT: 5.124 min Scan# 539

Delta R.T. 0.112 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

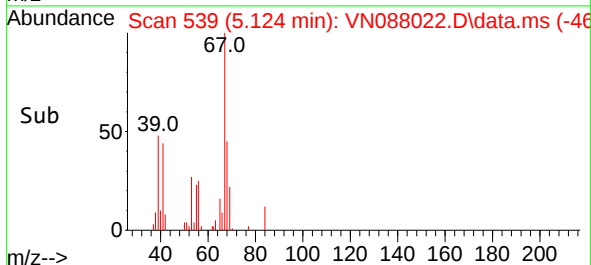
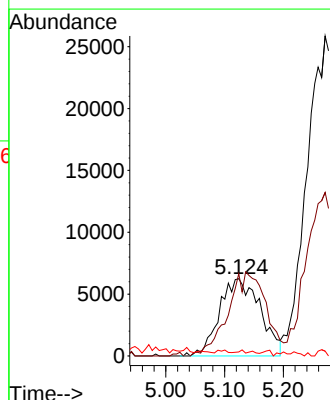
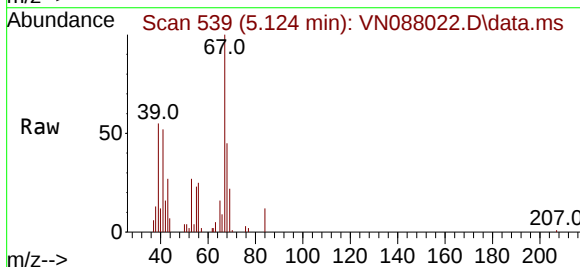
Tgt Ion: 41 Resp: 30141

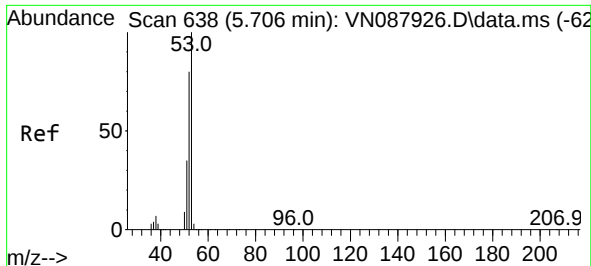
Ion Ratio Lower Upper

41 100

39 43.5 63.8 95.8#

76 1.3 33.0 49.6#

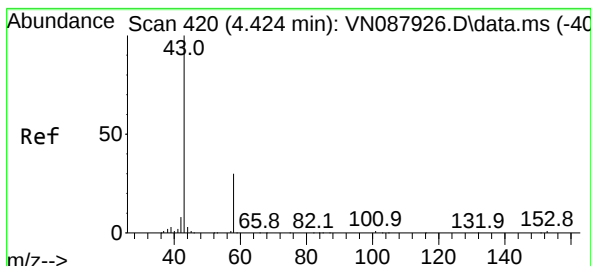
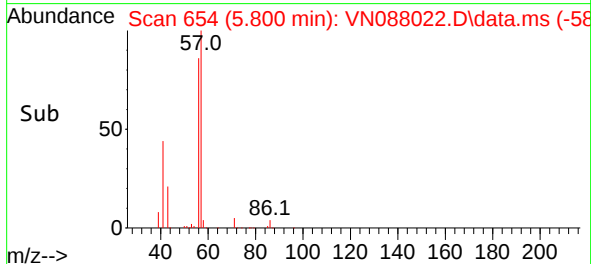
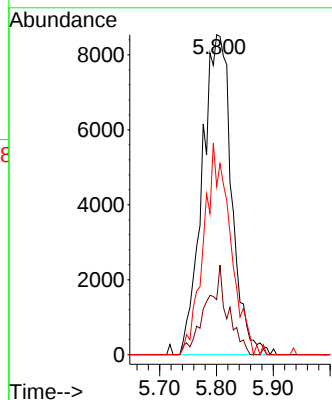
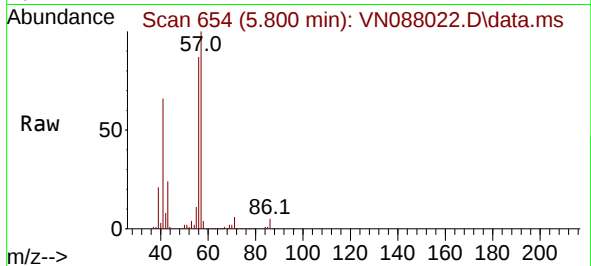




#15
Acrylonitrile
Concen: 14.759 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.094 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

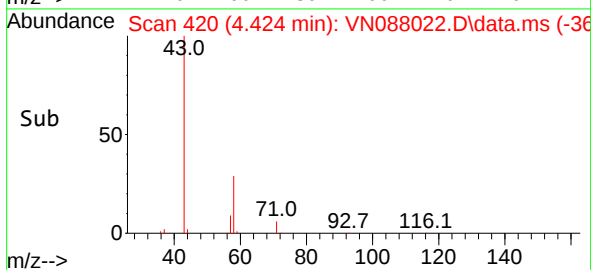
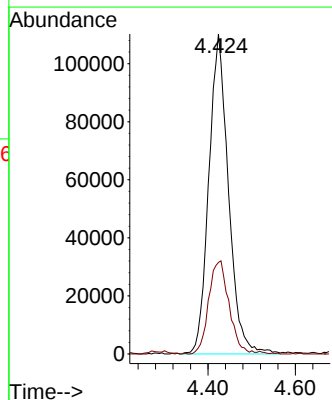
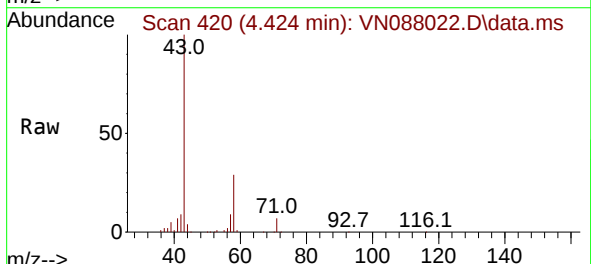
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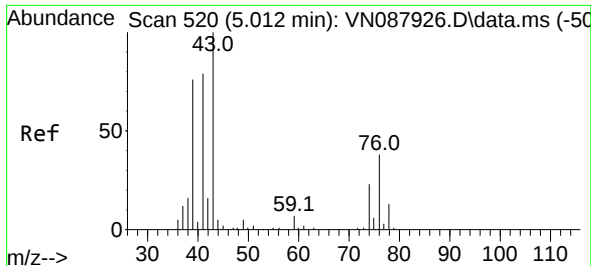
Tgt Ion: 53 Resp: 30781
Ion Ratio Lower Upper
53 100
52 20.7 66.6 99.8#
51 59.9 29.0 43.4#



#16
Acetone
Concen: 181.086 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 43 Resp: 343936
Ion Ratio Lower Upper
43 100
58 28.6 24.1 36.1

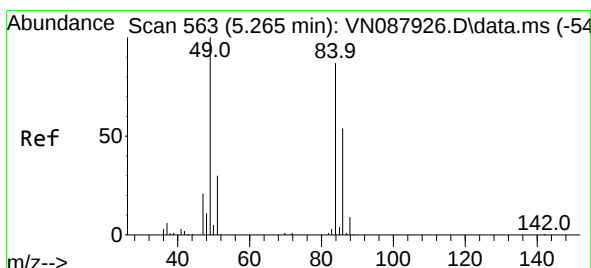
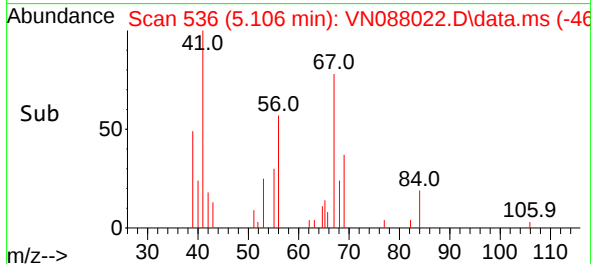
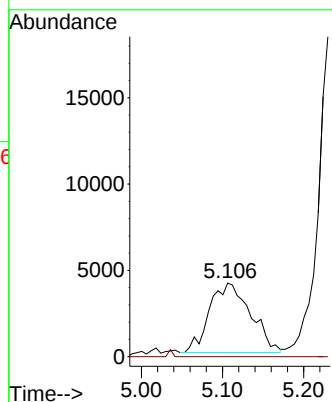
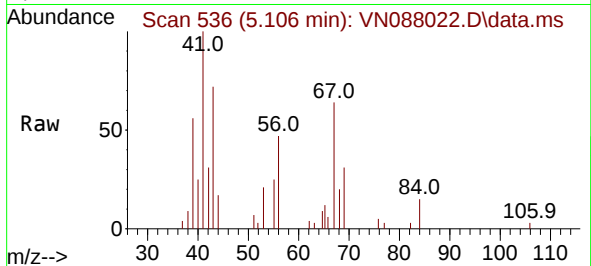




#18
Methyl Acetate
Concen: 2.980 ug/l
RT: 5.106 min Scan# 51
Delta R.T. 0.094 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

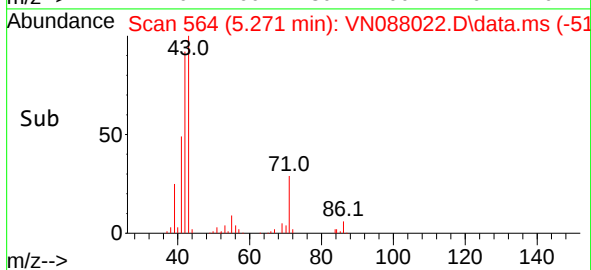
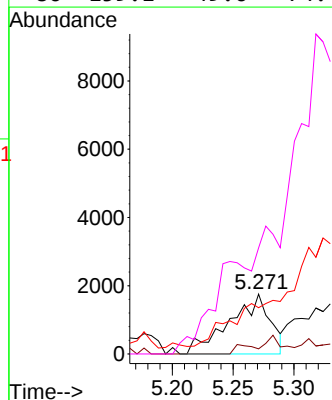
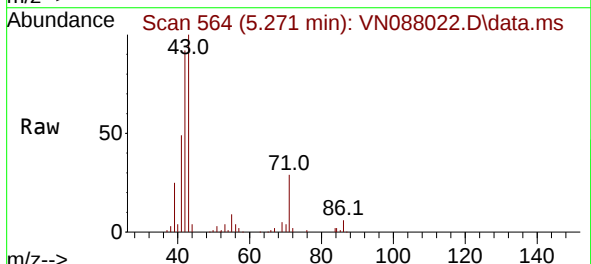
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ClientSampleId :
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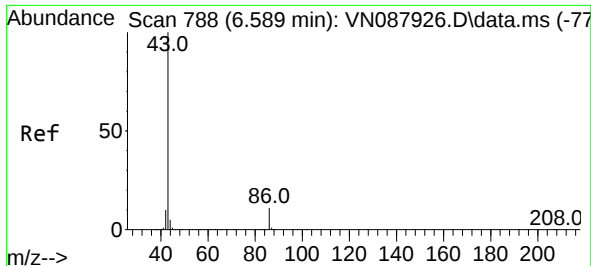
Tgt Ion: 43 Resp: 14166
Ion Ratio Lower Upper
43 100
74 0.0 19.7 29.5#



#20
Methylene Chloride
Concen: 1.062 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 84 Resp: 4083
Ion Ratio Lower Upper
84 100
49 8.6 92.1 138.1#
51 62.2 27.7 41.5#
86 159.1 49.6 74.4#

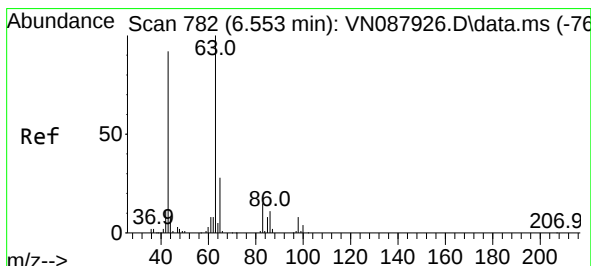
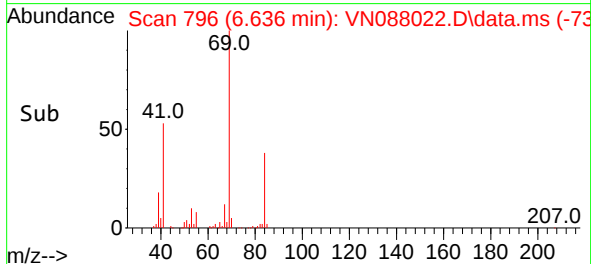
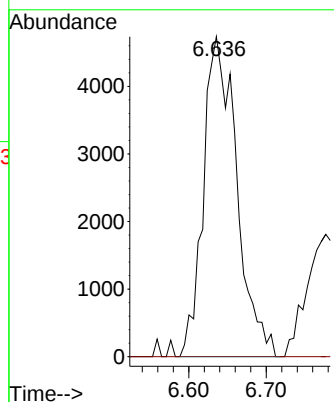
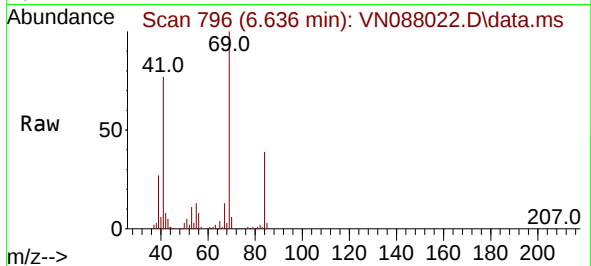




#23
 Vinyl Acetate
 Concen: 1.529 ug/l
 RT: 6.636 min Scan# 796
 Delta R.T. 0.047 min
 Lab File: VN088022.D
 Acq: 03 Oct 2025 14:38

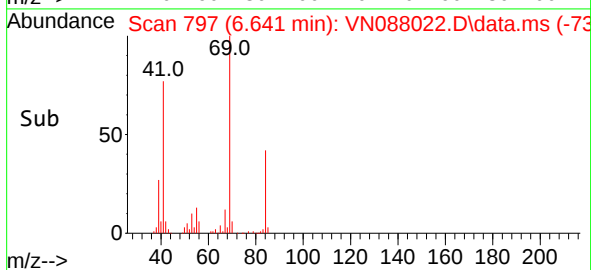
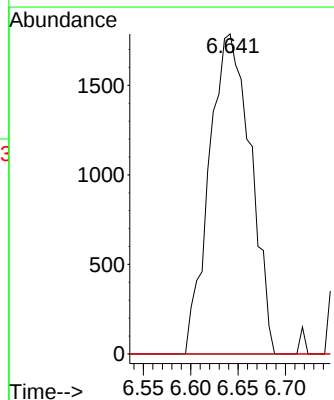
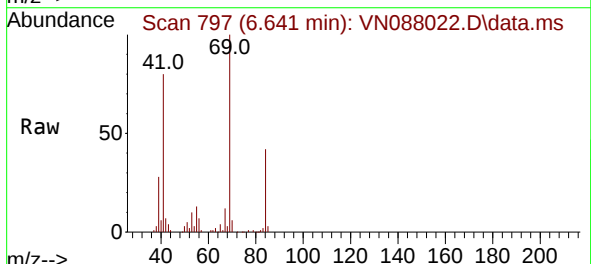
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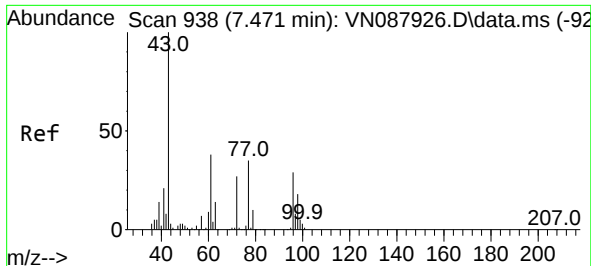
Tgt Ion: 43 Resp: 14097
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#24
 1,1-Dichloroethane
 Concen: 0.847 ug/l
 RT: 6.641 min Scan# 797
 Delta R.T. 0.088 min
 Lab File: VN088022.D
 Acq: 03 Oct 2025 14:38

Tgt Ion: 63 Resp: 5417
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.5#
 100 0.0 2.1 6.5#

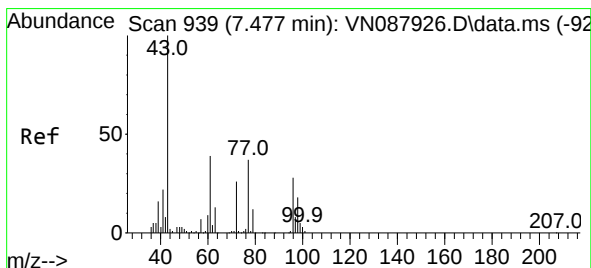
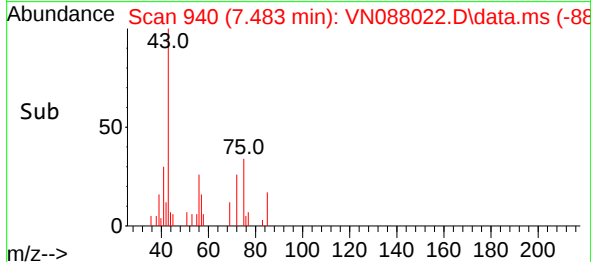
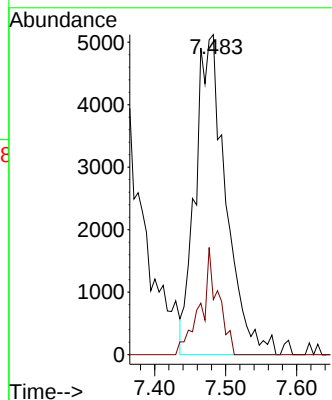
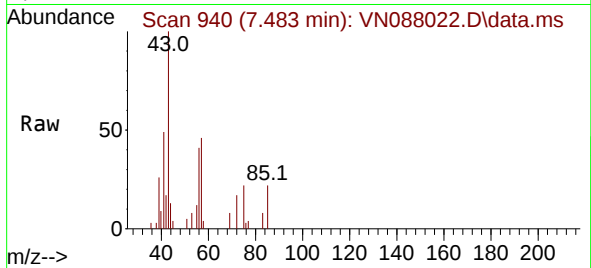




#25
2-Butanone
Concen: 5.244 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

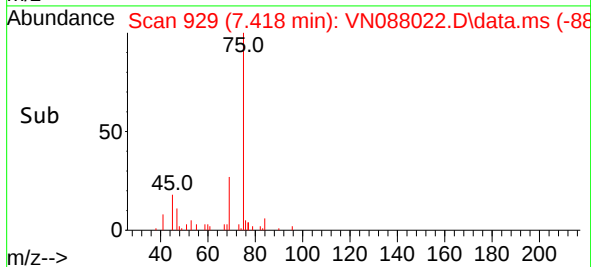
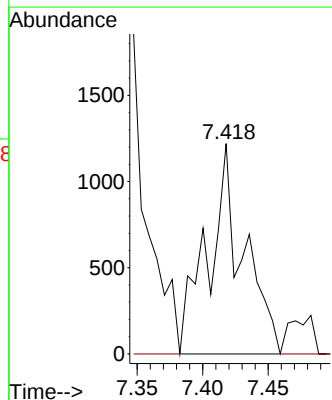
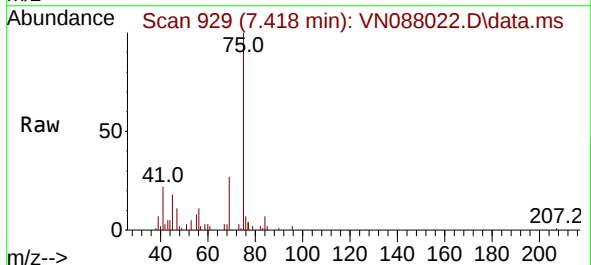
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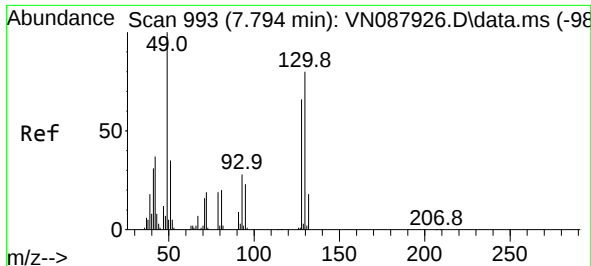
Tgt Ion: 43 Resp: 15223
Ion Ratio Lower Upper
43 100
72 17.2 21.5 32.3#



#26
2,2-Dichloropropane
Concen: 0.402 ug/l
RT: 7.418 min Scan# 929
Delta R.T. -0.059 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 77 Resp: 2286
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.5#

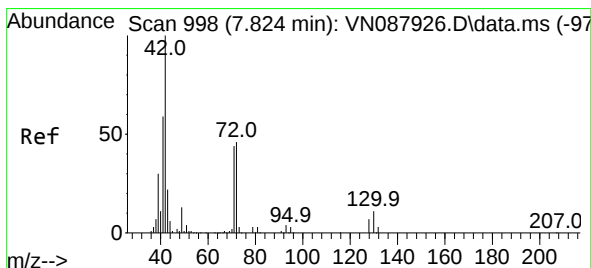
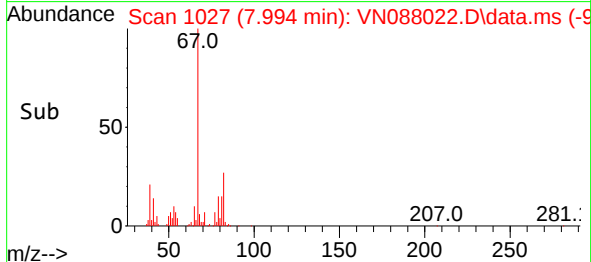
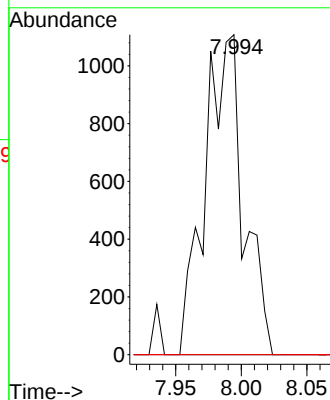
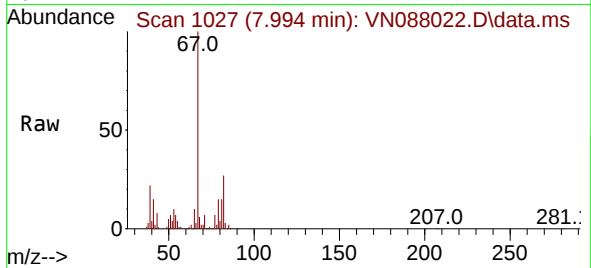




#28
Bromochloromethane
Concen: 0.653 ug/l
RT: 7.994 min Scan# 1027
Delta R.T. 0.200 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

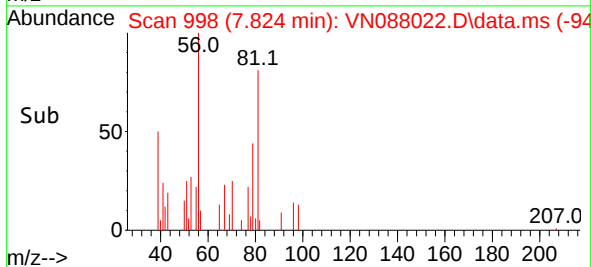
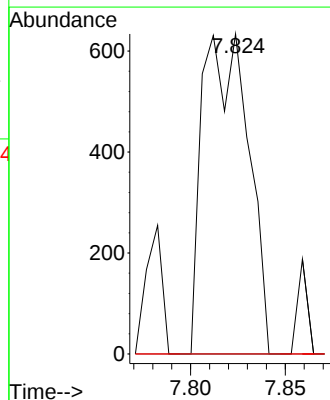
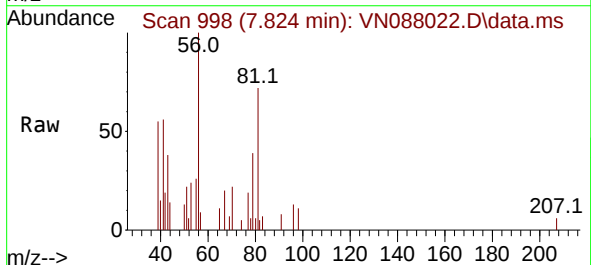
Instrument :
MSVOA_N
ClientSampleId :
MW5

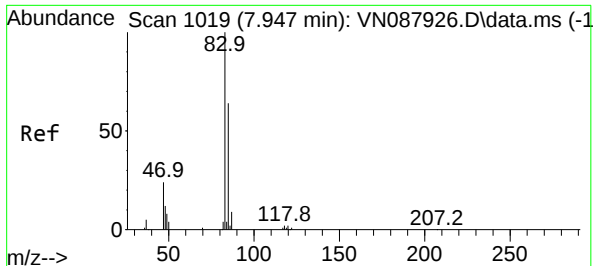
Tgt Ion: 49 Resp: 2268
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 0.0 62.6 94.0#



#29
Tetrahydrofuran
Concen: 0.576 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 42 Resp: 1070
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 0.0 33.8 50.8#





#30

Chloroform

Concen: 0.847 ug/l

RT: 7.994 min Scan# 1027

Delta R.T. 0.047 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

Instrument :

MSVOA_N

ClientSampleId :

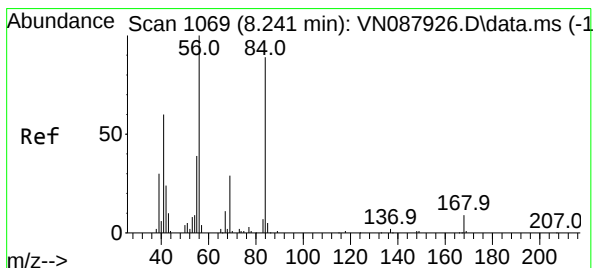
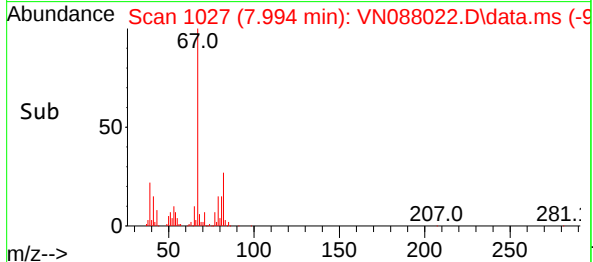
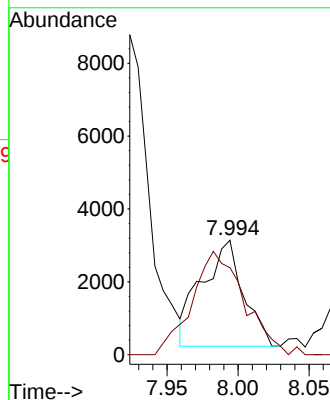
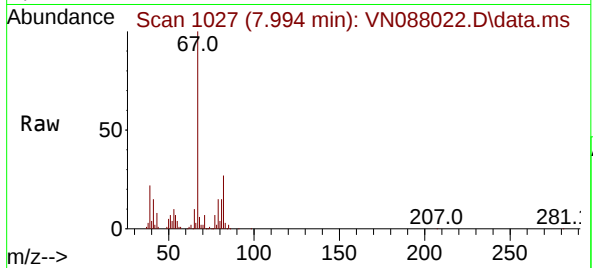
MW5

Tgt Ion: 83 Resp: 5924

Ion Ratio Lower Upper

83 100

85 73.8 50.9 76.3



#31

Cyclohexane

Concen: 263.431 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

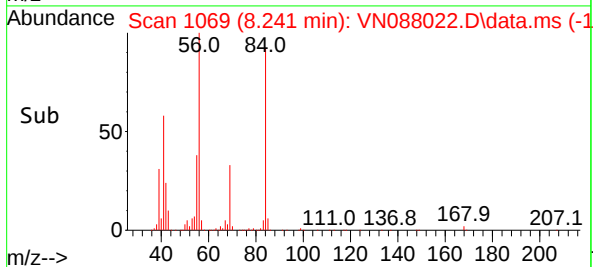
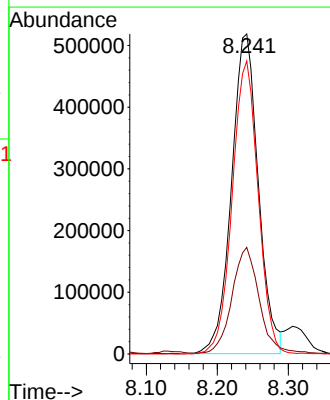
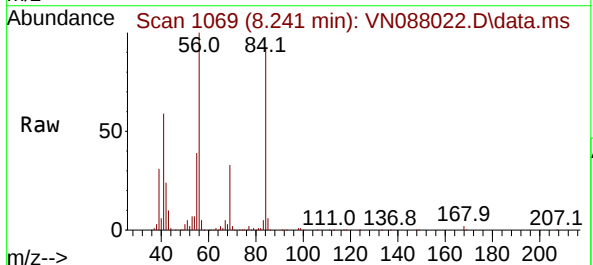
Tgt Ion: 56 Resp: 1363619

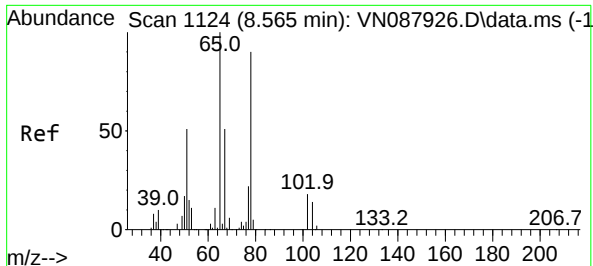
Ion Ratio Lower Upper

56 100

69 32.7 23.4 35.0

84 91.7 70.8 106.2





#33

1,2-Dichloroethane-d4

Concen: 49.406 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

Instrument :

MSVOA_N

ClientSampleId :

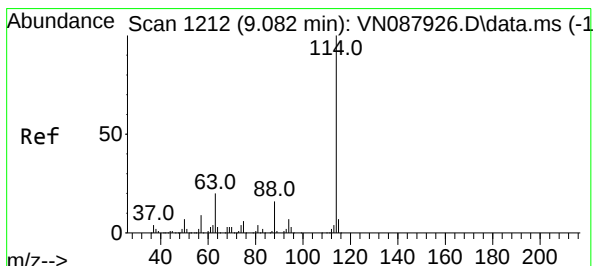
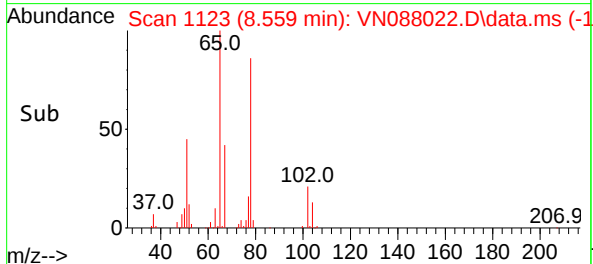
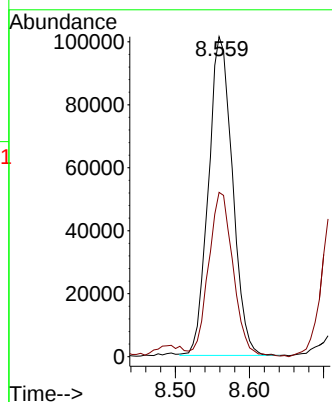
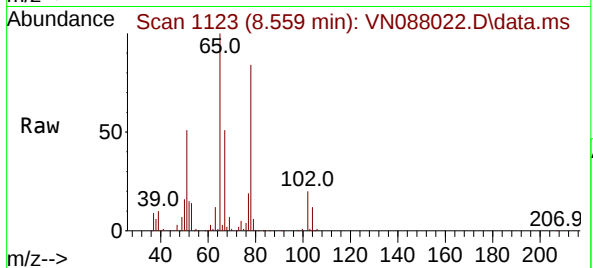
MW5

Tgt Ion: 65 Resp: 228064

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

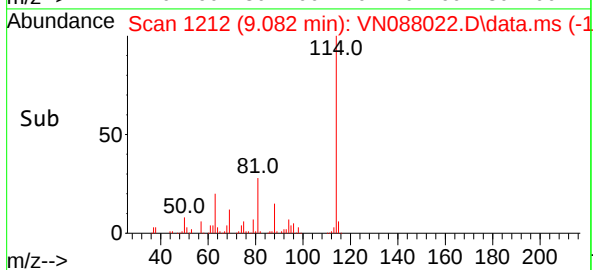
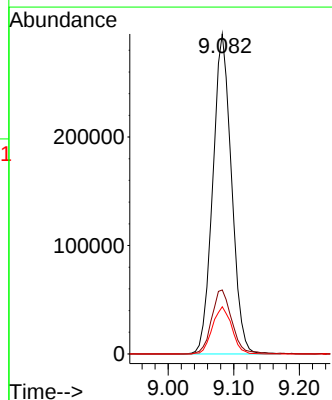
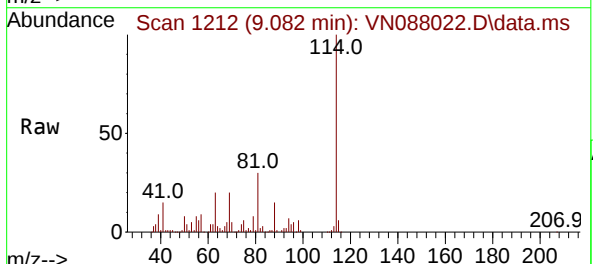
Tgt Ion: 114 Resp: 584137

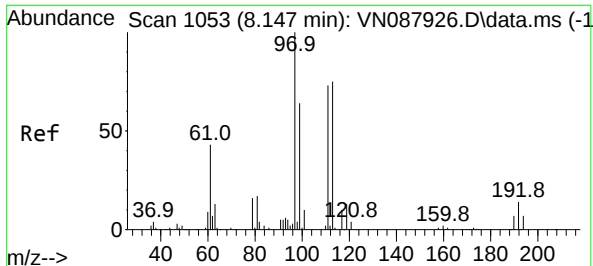
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 14.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 43.250 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

Instrument :

MSVOA_N

ClientSampleId :

MW5

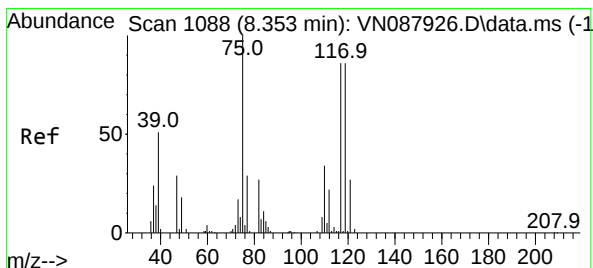
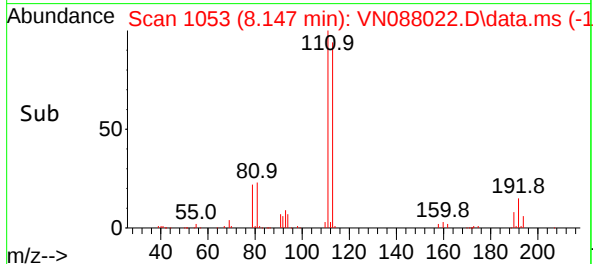
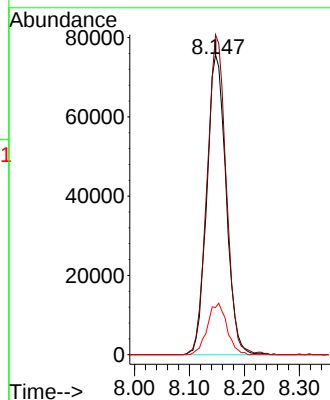
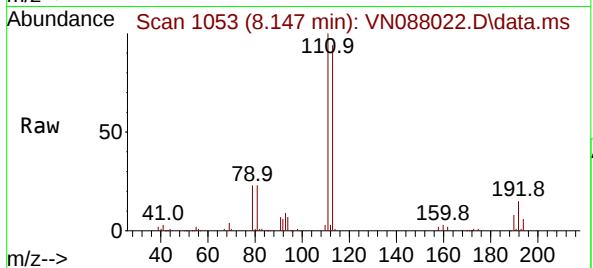
Tgt Ion:113 Resp: 183432

Ion Ratio Lower Upper

113 100

111 106.0 82.2 123.2

192 17.5 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.947 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

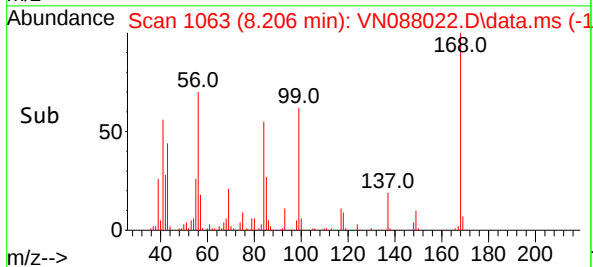
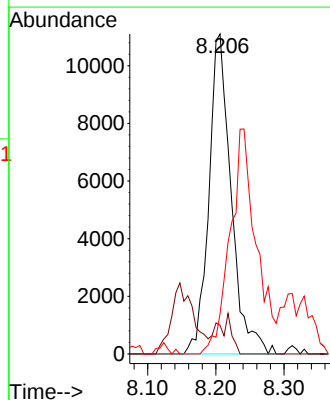
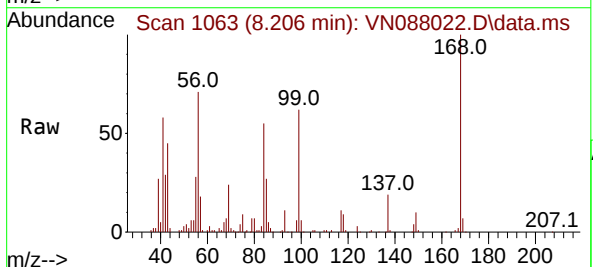
Tgt Ion: 75 Resp: 25231

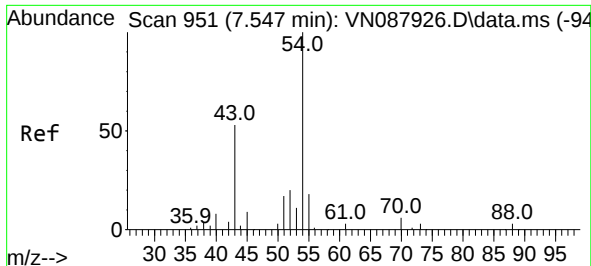
Ion Ratio Lower Upper

75 100

110 1.8 17.1 51.3#

77 0.0 24.8 37.2#

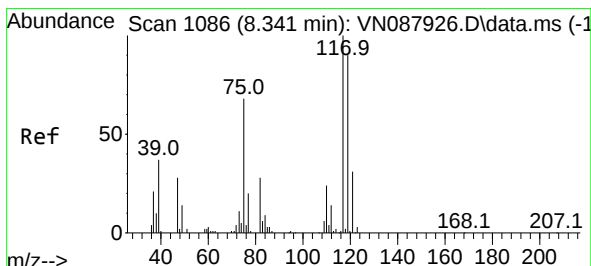
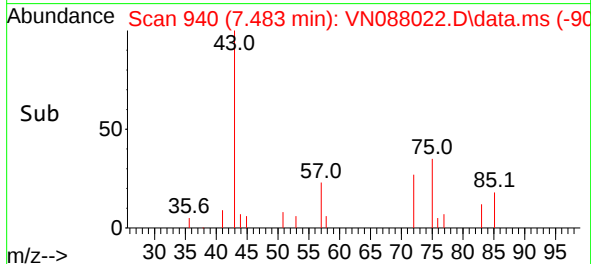
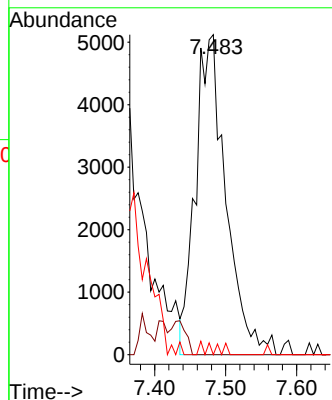
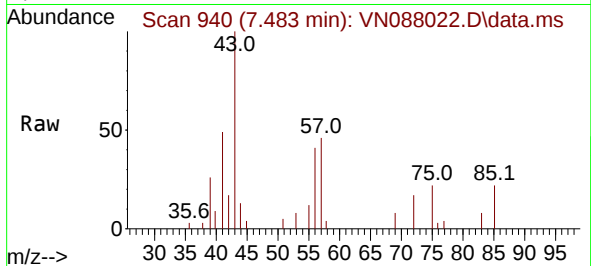




#37
Ethyl Acetate
Concen: 2.273 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.065 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

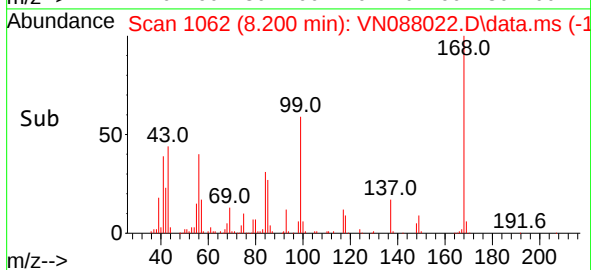
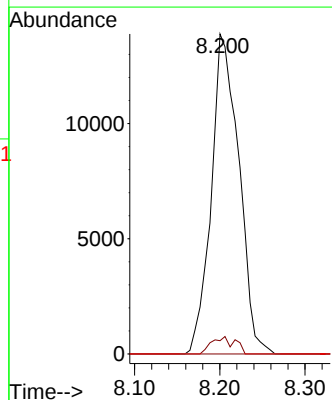
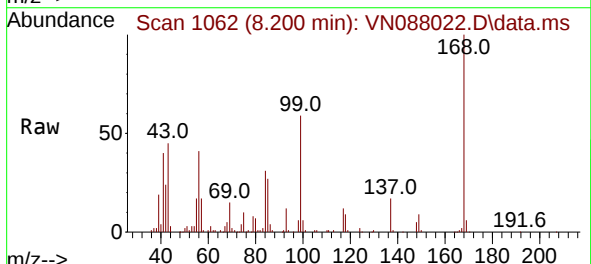
Instrument :
MSVOA_N
ClientSampleId :
MW5

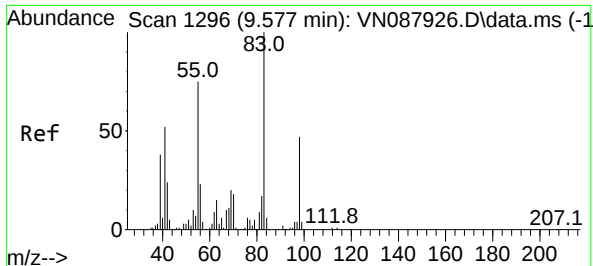
Tgt Ion: 43 Resp: 15223
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.348 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.141 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 117 Resp: 31294
Ion Ratio Lower Upper
117 100
119 4.2 72.1 108.1#
121 0.0 24.6 36.8#





#39

Methylcyclohexane

Concen: 219.900 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. 0.006 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

Instrument :

MSVOA_N

ClientSampleId :

MW5

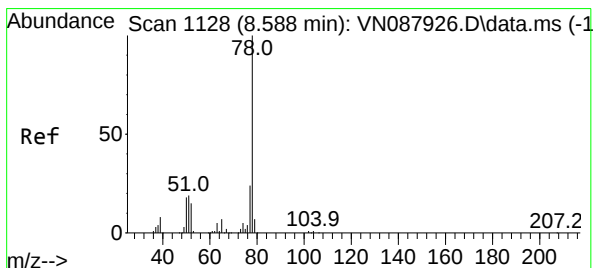
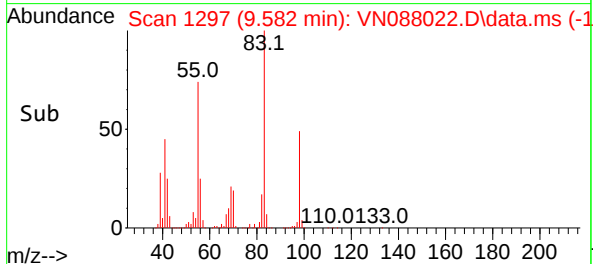
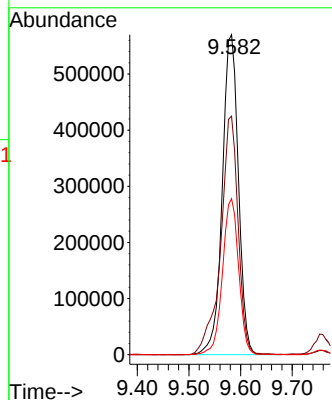
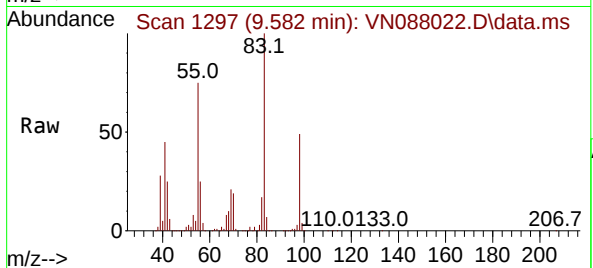
Tgt Ion: 83 Resp: 1237115

Ion Ratio Lower Upper

83 100

55 74.6 59.9 89.9

98 48.7 37.4 56.2



#40

Benzene

Concen: 75.065 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VN088022.D

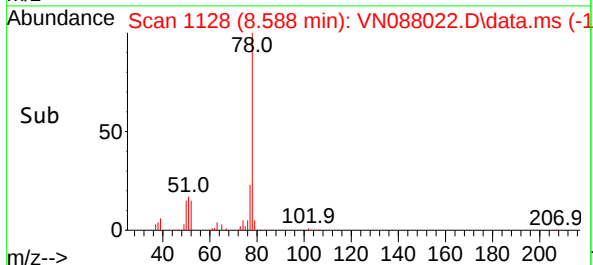
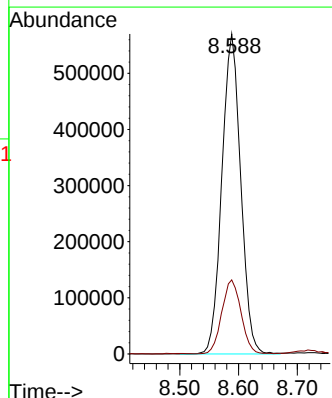
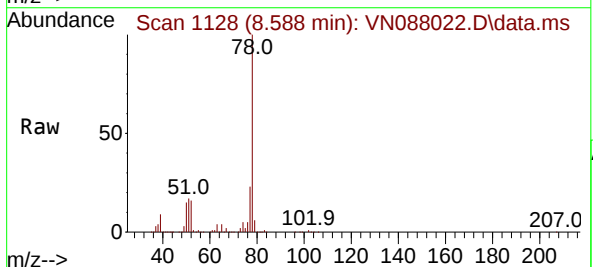
Acq: 03 Oct 2025 14:38

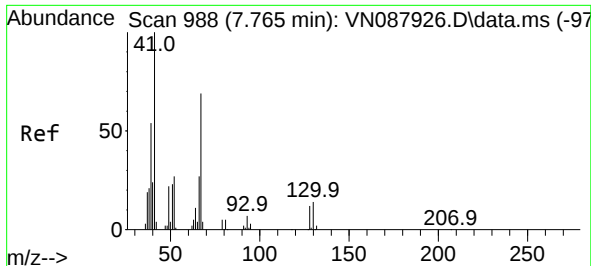
Tgt Ion: 78 Resp: 1267518

Ion Ratio Lower Upper

78 100

77 23.0 19.0 28.6

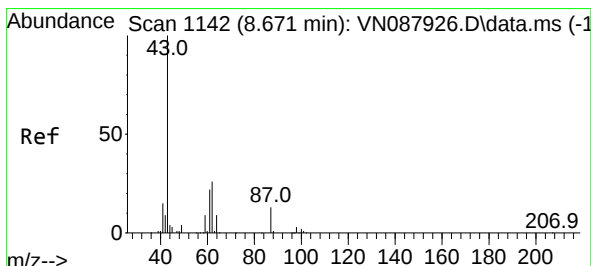
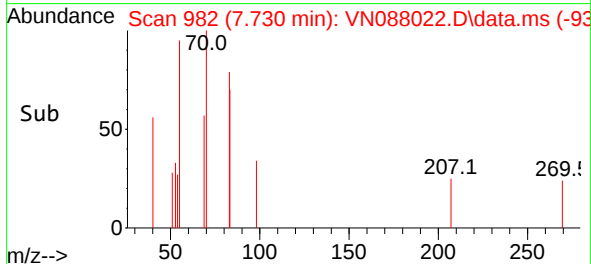
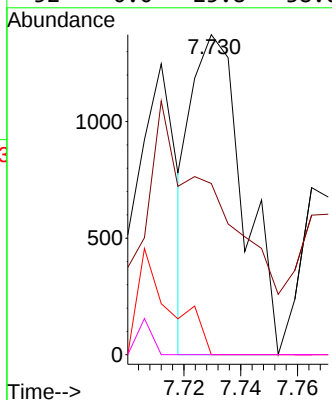
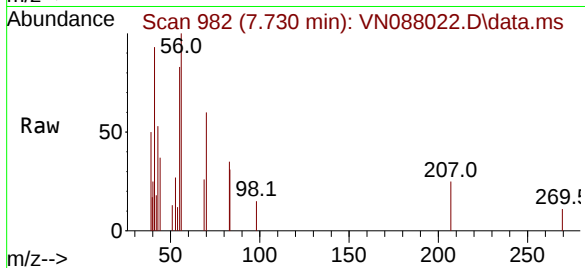




#41
Methacrylonitrile
Concen: 0.504 ug/l
RT: 7.730 min Scan# 91
Delta R.T. -0.035 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

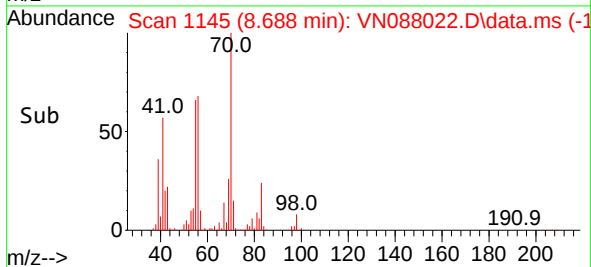
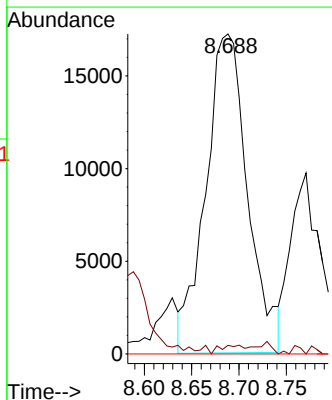
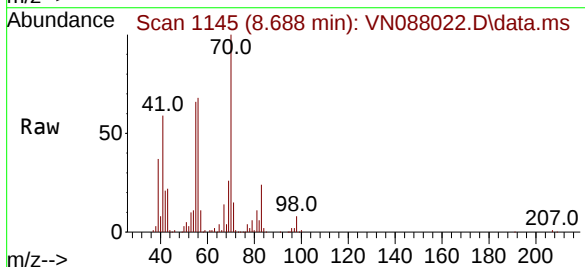
Instrument :
MSVOA_N
ClientSampleId :
MW5

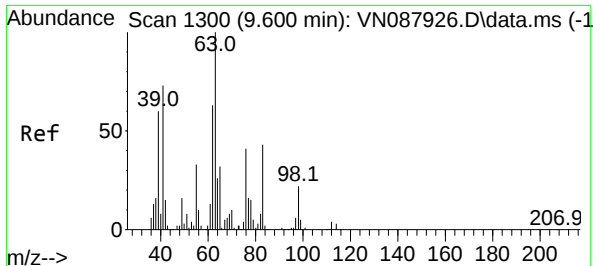
Tgt Ion:	41	Resp:	1743
Ion	Ratio	Lower	Upper
41	100		
39	139.4	43.5	65.3#
67	0.0	57.6	86.4#
52	0.0	25.8	38.6#



#43
Isopropyl Acetate
Concen: 5.029 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion:	43	Resp:	53014
Ion	Ratio	Lower	Upper
43	100		
61	1.5	20.2	30.2#
87	0.0	10.9	16.3#





#45

1,2-Dichloropropane

Concen: 3.601 ug/l

RT: 9.588 min Scan# 1298

Delta R.T. -0.012 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

Instrument :

MSVOA_N

ClientSampleId :

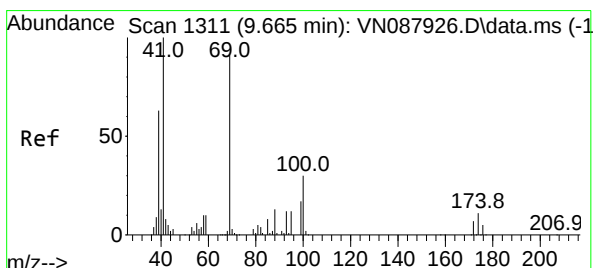
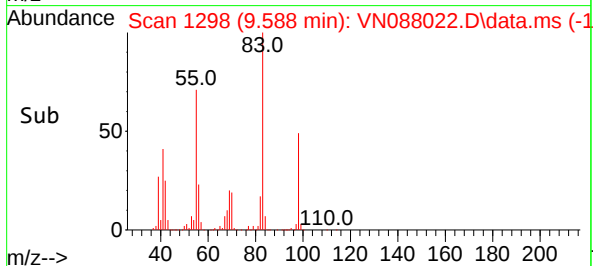
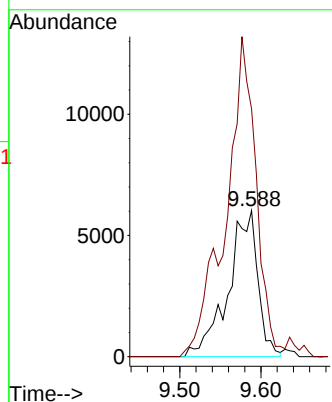
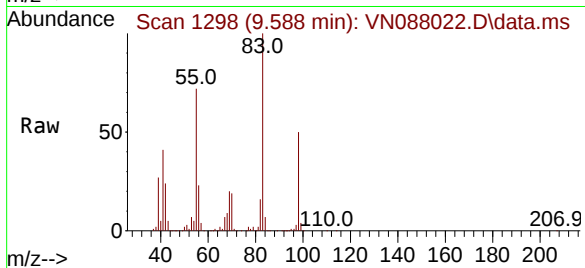
MW5

Tgt Ion: 63 Resp: 15246

Ion Ratio Lower Upper

63 100

65 169.9 25.4 38.0#



#48

Methyl methacrylate

Concen: 131.517 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. -0.082 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

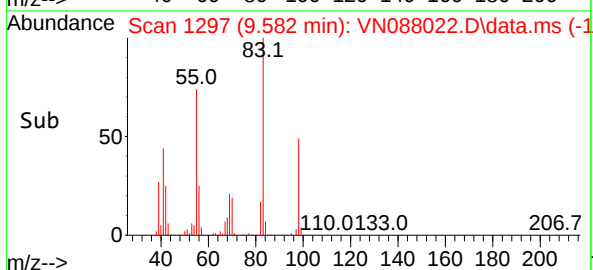
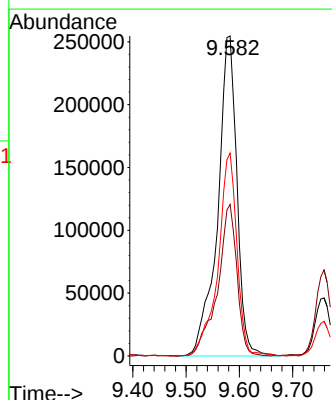
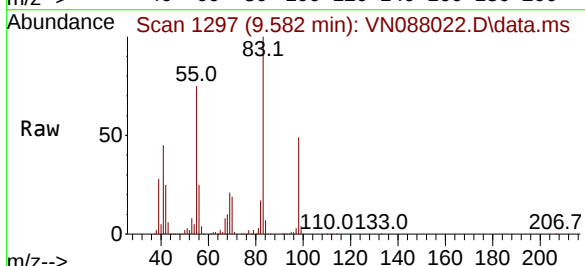
Tgt Ion: 41 Resp: 642005

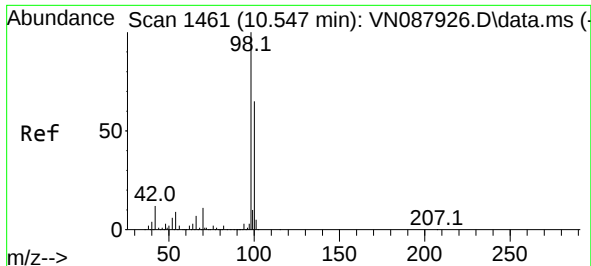
Ion Ratio Lower Upper

41 100

69 47.6 70.9 106.3#

39 62.3 52.9 79.3

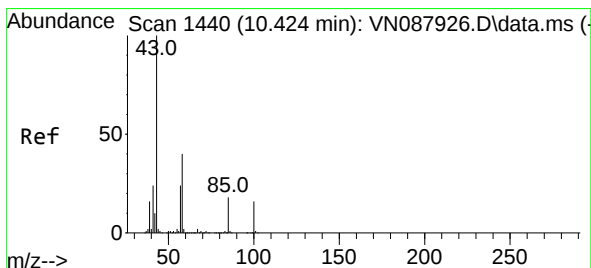
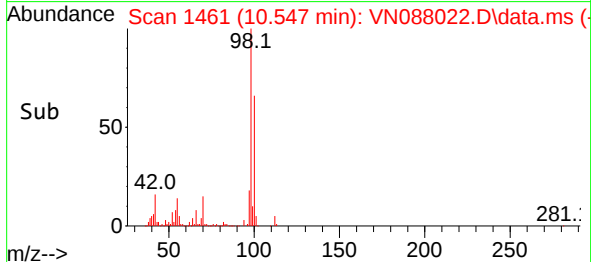
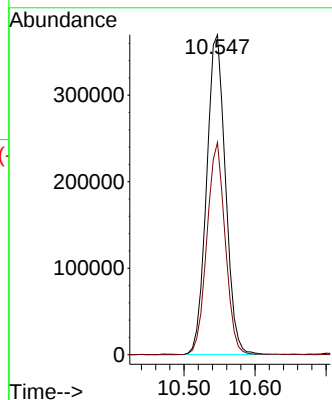
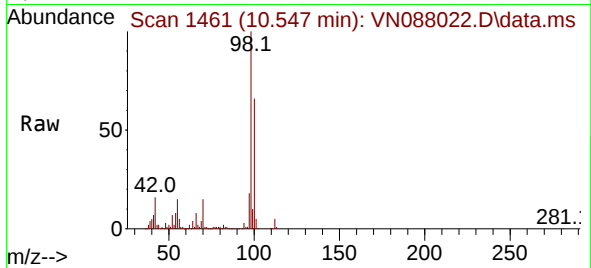




#50
Toluene-d8
Concen: 45.782 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

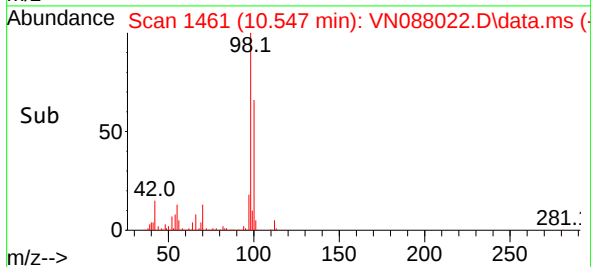
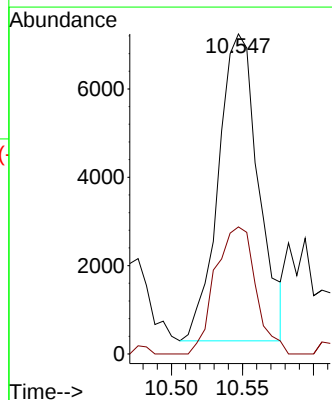
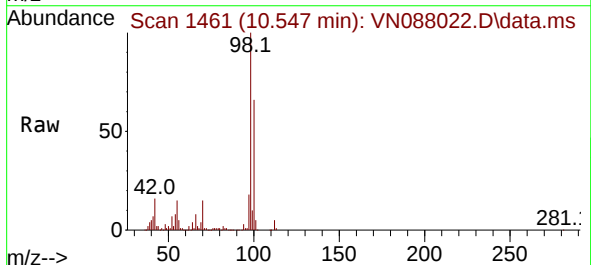
Instrument :
MSVOA_N
ClientSampleId :
MW5

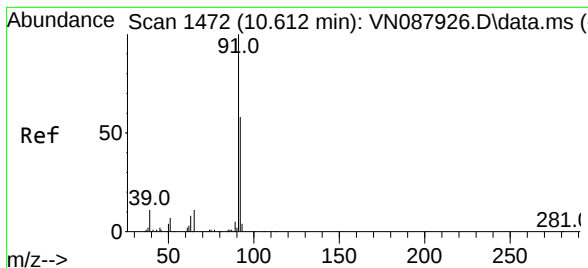
Tgt Ion: 98 Resp: 682810
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 2.081 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.124 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 43 Resp: 13690
Ion Ratio Lower Upper
43 100
58 41.6 31.0 46.6





#52

Toluene

Concen: 7.138 ug/l

RT: 10.612 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

Instrument :

MSVOA_N

ClientSampleId :

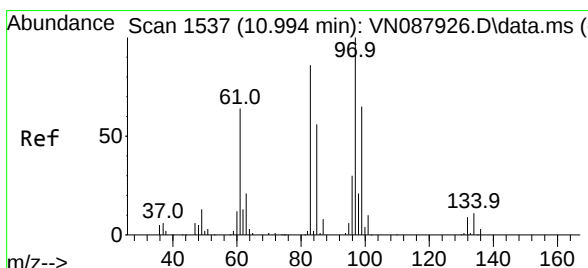
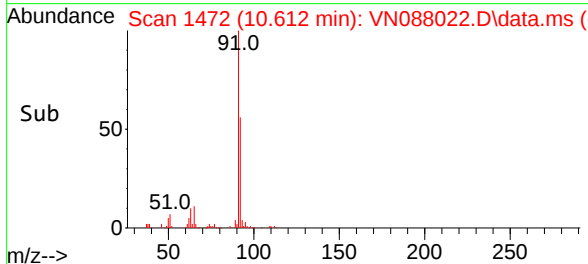
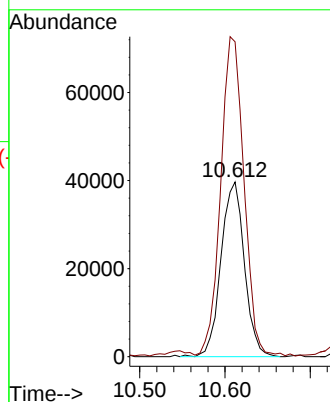
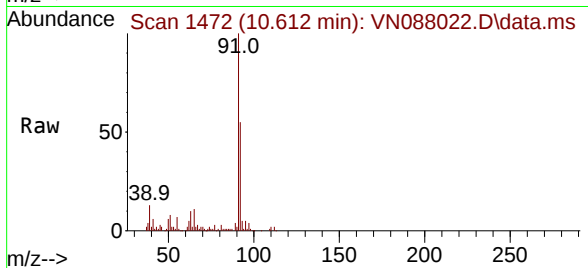
MW5

Tgt Ion: 92 Resp: 75631

Ion Ratio Lower Upper

92 100

91 181.9 138.2 207.2



#55

1,1,2-Trichloroethane

Concen: 12.753 ug/l

RT: 10.982 min Scan# 1535

Delta R.T. -0.012 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

Tgt Ion: 97 Resp: 54946

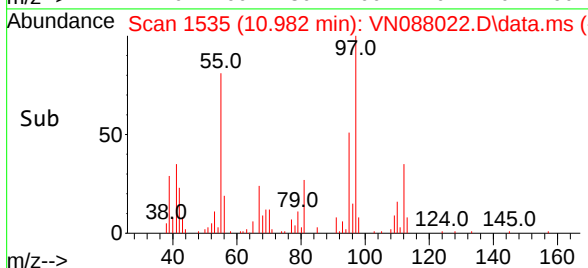
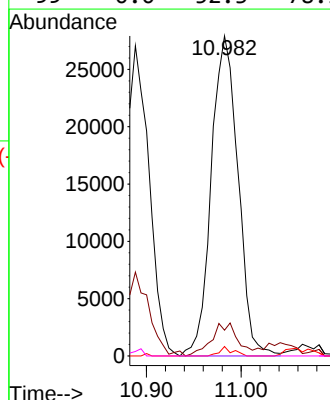
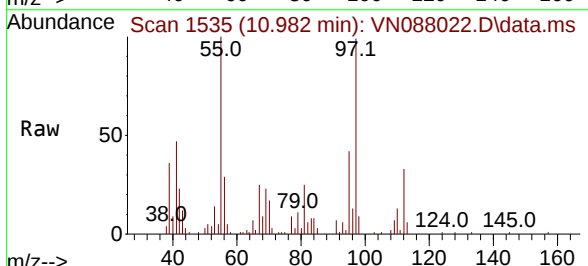
Ion Ratio Lower Upper

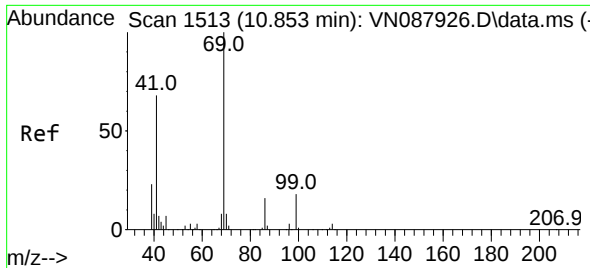
97 100

83 6.5 69.0 103.4#

85 2.9 44.4 66.6#

99 0.0 52.3 78.5#

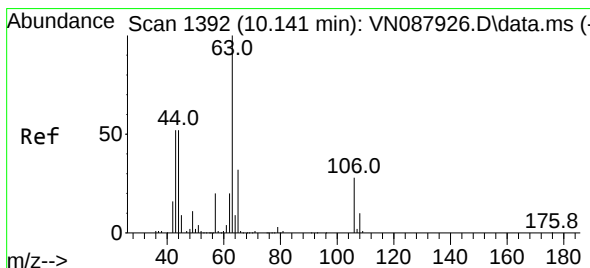
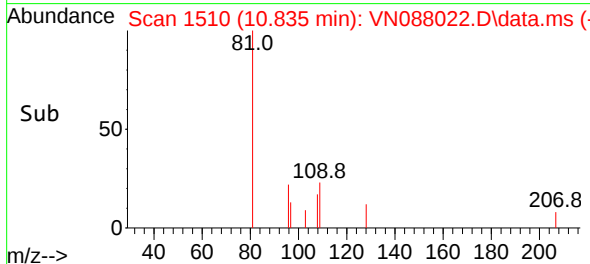
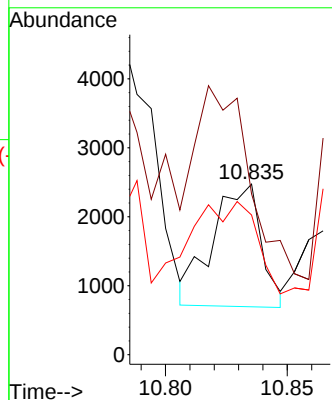
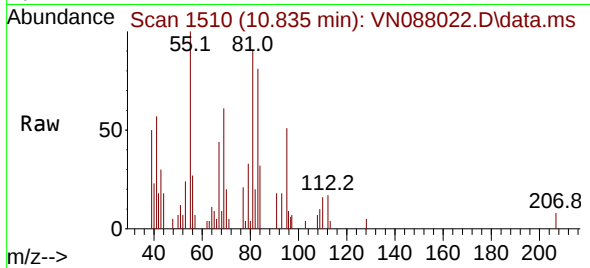




#56
Ethyl methacrylate
Concen: 0.394 ug/l
RT: 10.835 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

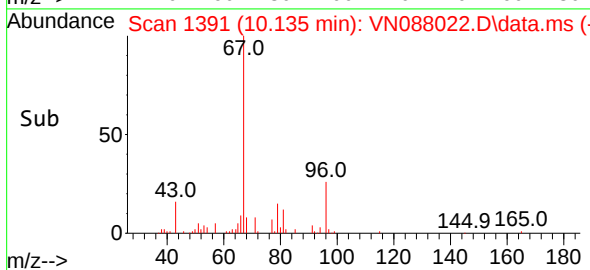
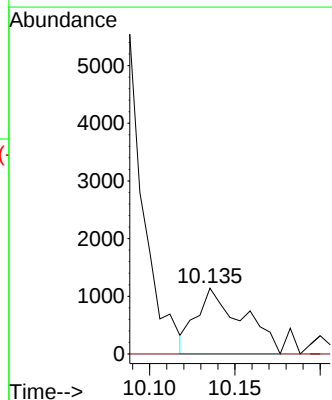
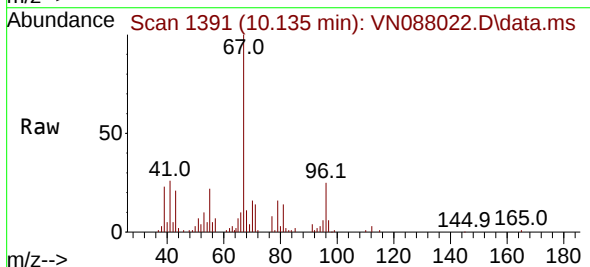
Instrument :
MSVOA_N
ClientSampleId :
MW5

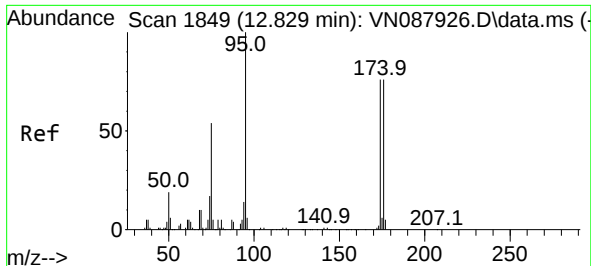
Tgt Ion: 69 Resp: 2454
Ion Ratio Lower Upper
69 100
41 176.3 53.8 80.6#
39 97.1 34.7 52.1#



#58
2-Chloroethyl Vinyl ether
Concen: 0.733 ug/l
RT: 10.135 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 63 Resp: 2145
Ion Ratio Lower Upper
63 100
106 0.0 22.6 33.8#

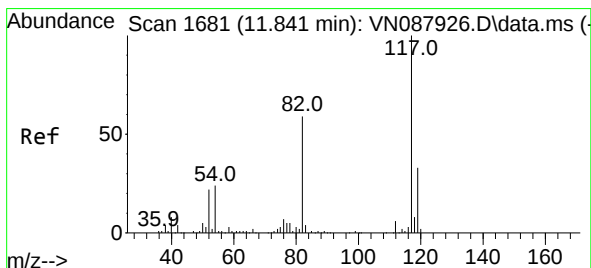
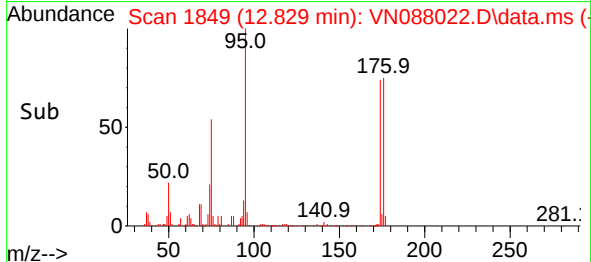
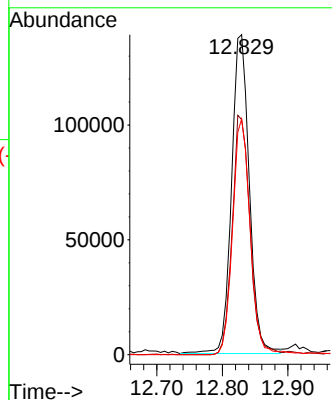
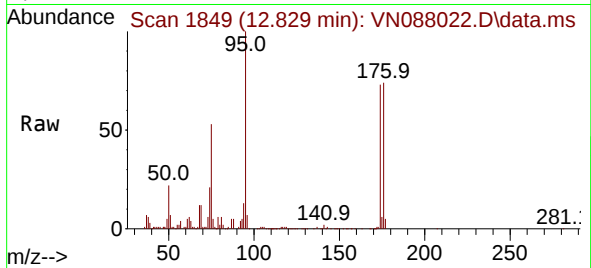




#62
4-Bromofluorobenzene
Concen: 49.143 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

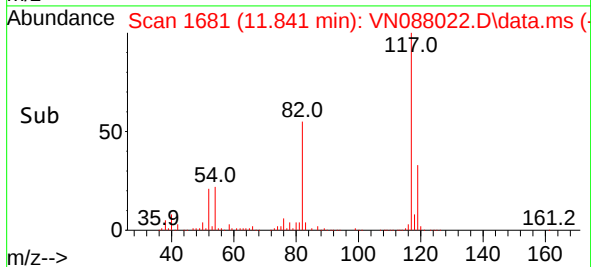
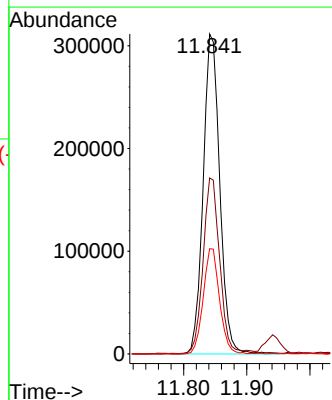
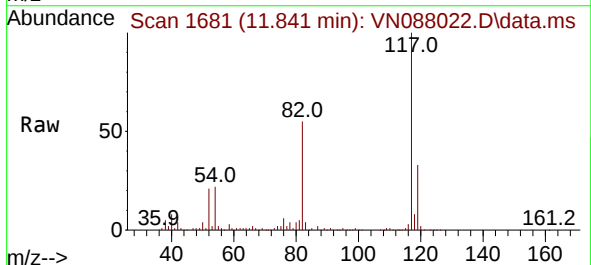
Instrument :
MSVOA_N
ClientSampleId :
MW5

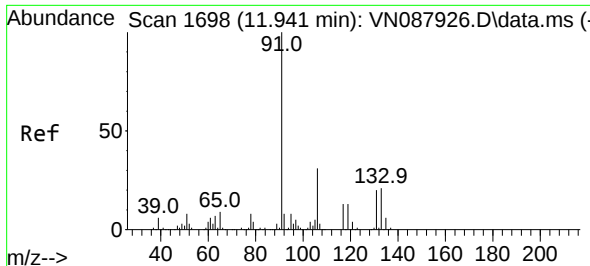
Tgt Ion: 95 Resp: 261988
Ion Ratio Lower Upper
95 100
174 74.8 0.0 159.2
176 73.2 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 117 Resp: 570238
Ion Ratio Lower Upper
117 100
82 54.9 47.0 70.4
119 32.9 26.1 39.1

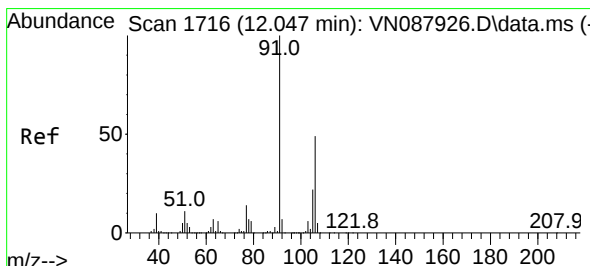
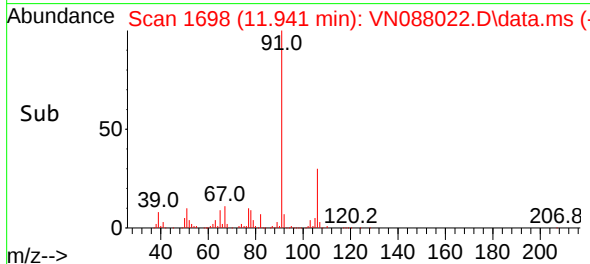
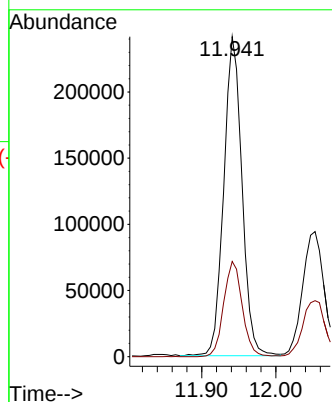
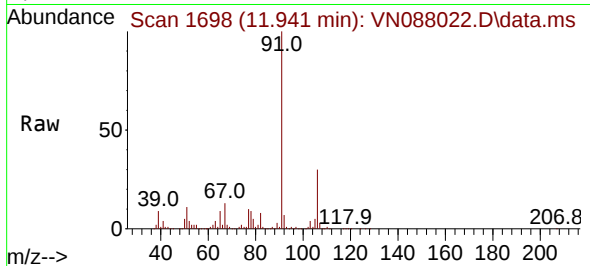




#67
Ethyl Benzene
Concen: 20.309 ug/l
RT: 11.941 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

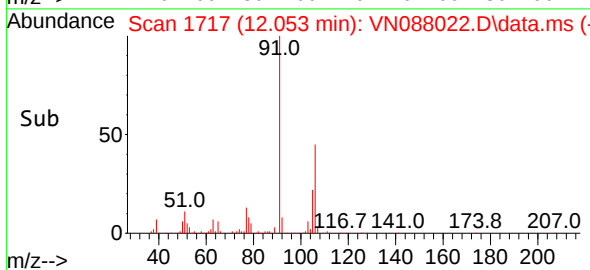
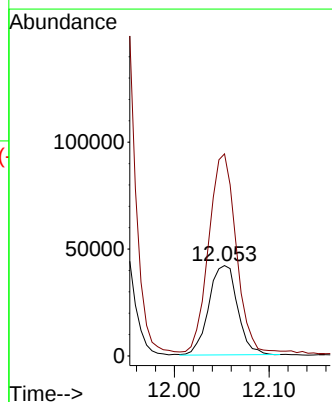
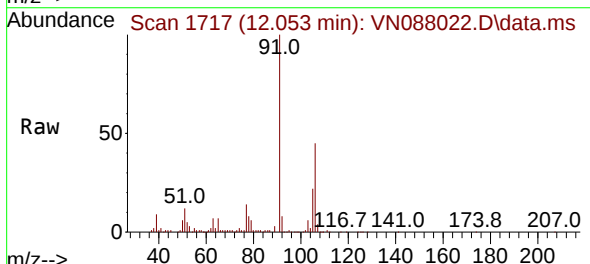
Instrument :
MSVOA_N
ClientSampleId :
MW5

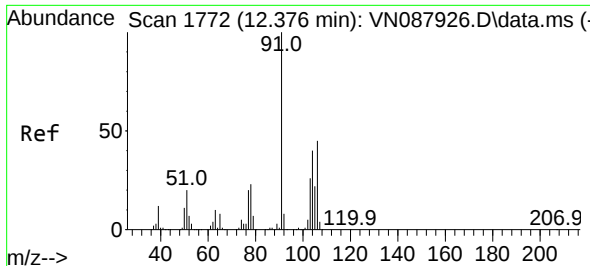
Tgt Ion: 91 Resp: 411229
Ion Ratio Lower Upper
91 100
106 29.8 25.2 37.8



#68
m/p-Xylenes
Concen: 11.368 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion:106 Resp: 88034
Ion Ratio Lower Upper
106 100
91 217.7 162.9 244.3

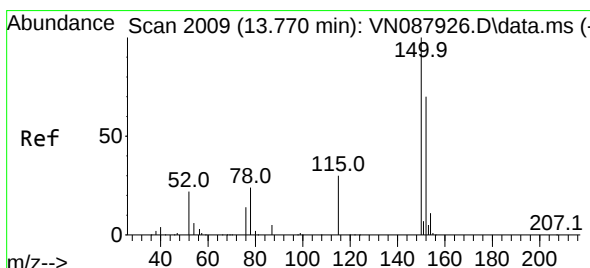
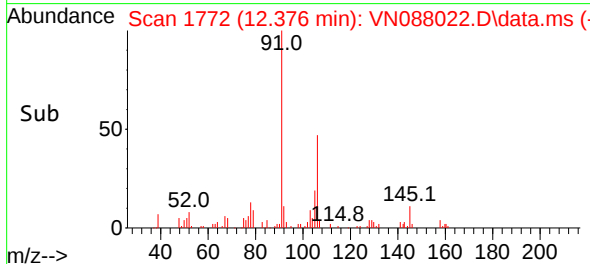
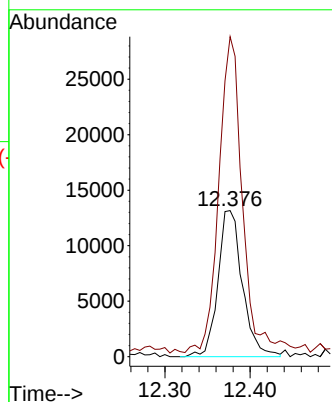
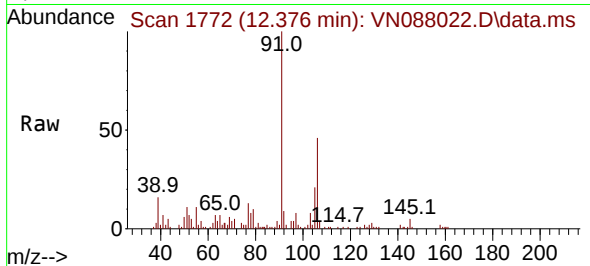




#69
o-Xylene
Concen: 3.522 ug/l
RT: 12.376 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

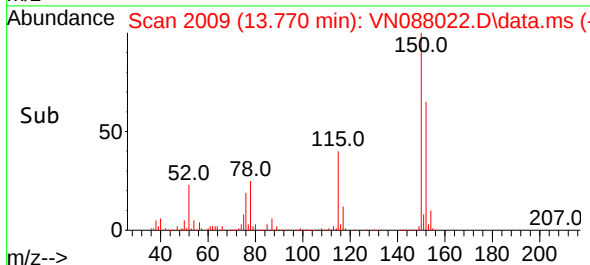
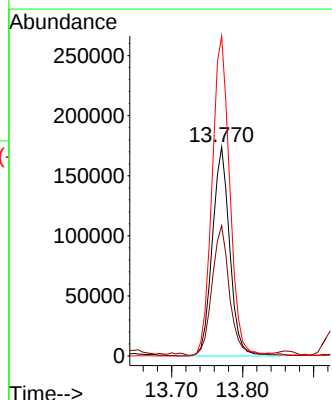
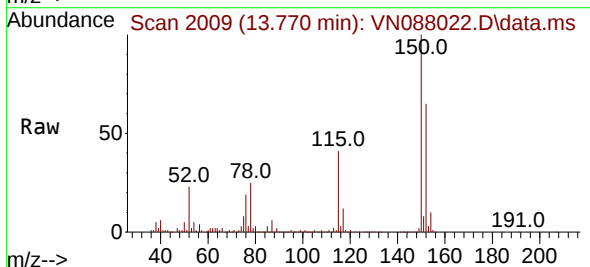
Instrument :
MSVOA_N
ClientSampleId :
MW5

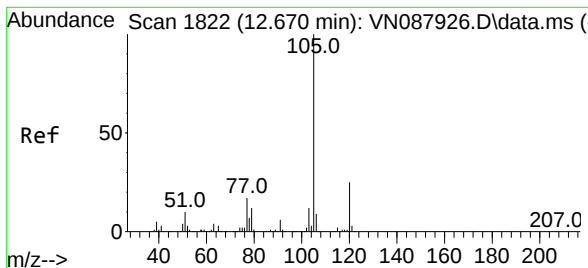
Tgt Ion:106 Resp: 26208
Ion Ratio Lower Upper
106 100
91 208.0 108.2 324.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion:152 Resp: 295091
Ion Ratio Lower Upper
152 100
115 61.8 29.9 89.7
150 157.1 0.0 335.0





#73

Isopropylbenzene

Concen: 58.028 ug/l

RT: 12.670 min Scan# 1822

Delta R.T. 0.000 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

Instrument :

MSVOA_N

ClientSampleId :

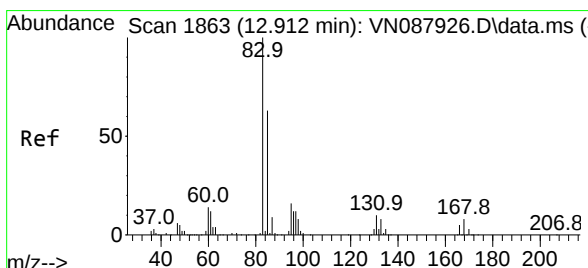
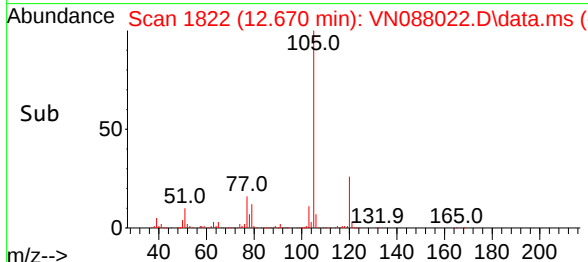
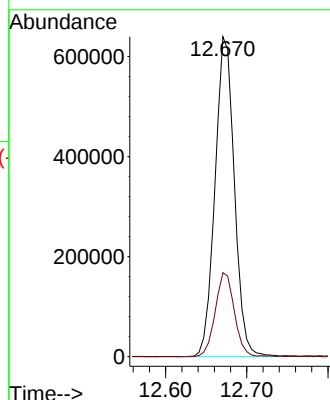
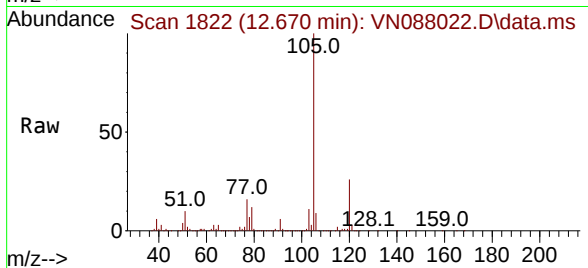
MW5

Tgt Ion:105 Resp: 1061275

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



#75

1,1,2,2-Tetrachloroethane

Concen: 0.261 ug/l

RT: 12.912 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

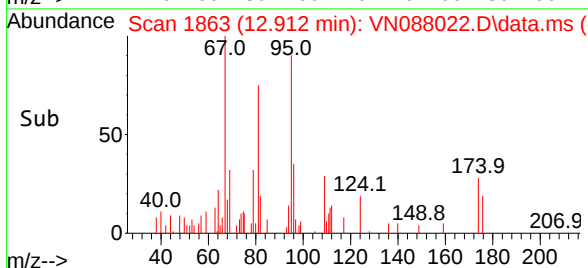
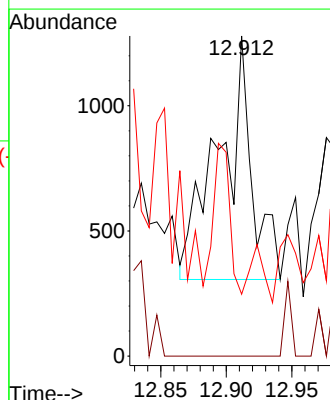
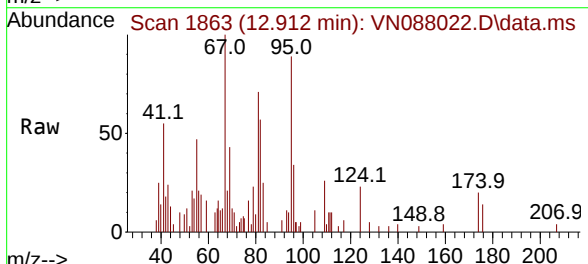
Tgt Ion: 83 Resp: 1721

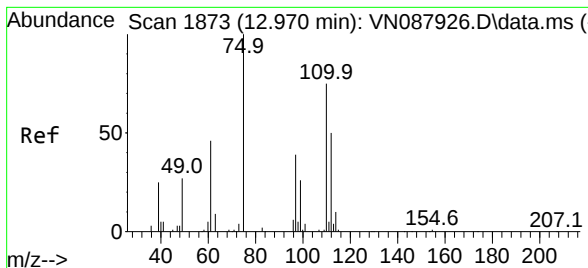
Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 9.6 32.4 97.0#

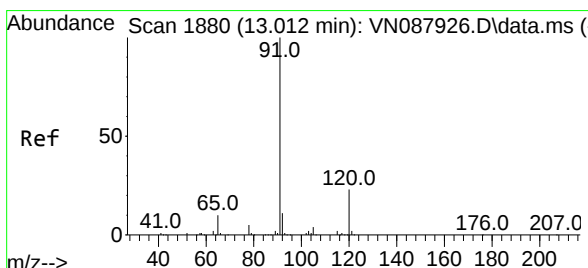
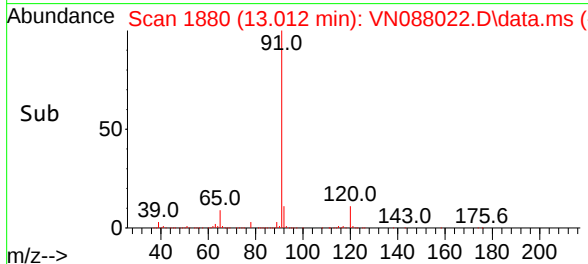
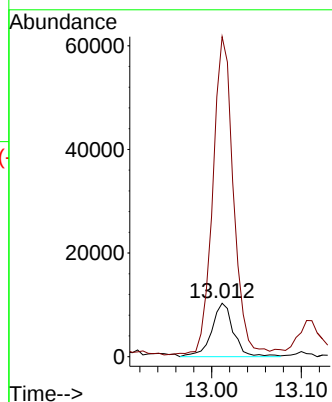
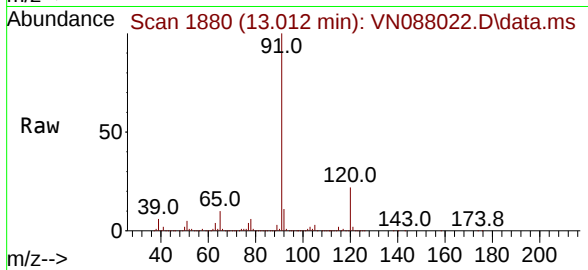




#76
1,2,3-Trichloropropane
Concen: 2.995 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.041 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

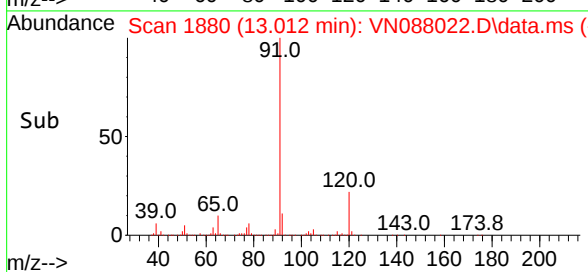
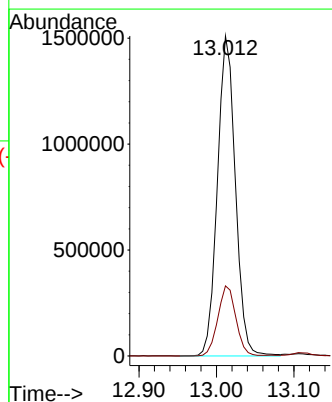
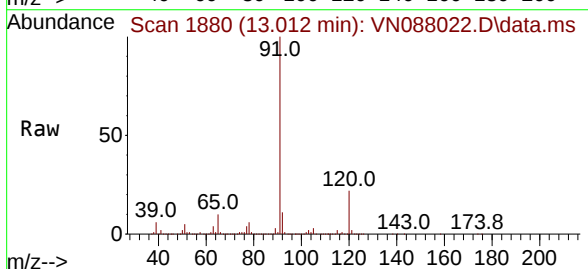
Instrument :
MSVOA_N
ClientSampleId :
MW5

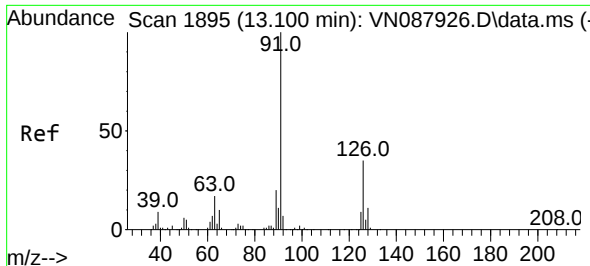
Tgt Ion: 75 Resp: 17424
Ion Ratio Lower Upper
75 100
77 564.9 89.5 268.5#



#78
n-propylbenzene
Concen: 106.383 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 91 Resp: 2432561
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.1

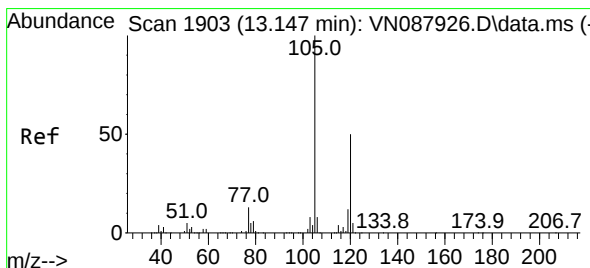
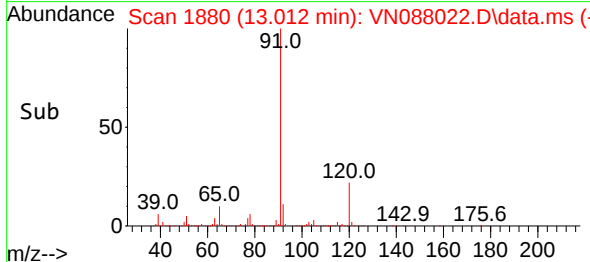
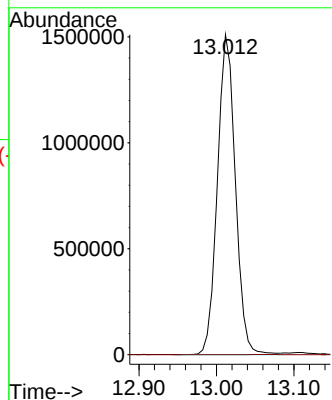
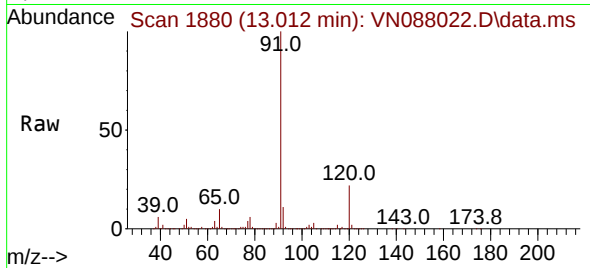




#79
2-Chlorotoluene
Concen: 174.717 ug/l
RT: 13.012 min Scan# 1895
Delta R.T. -0.088 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

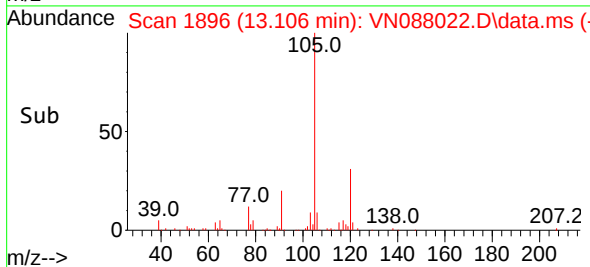
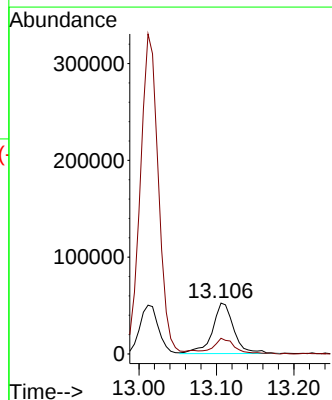
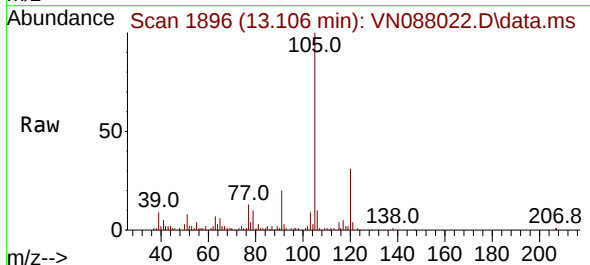
Instrument :
MSVOA_N
ClientSampleId :
MW5

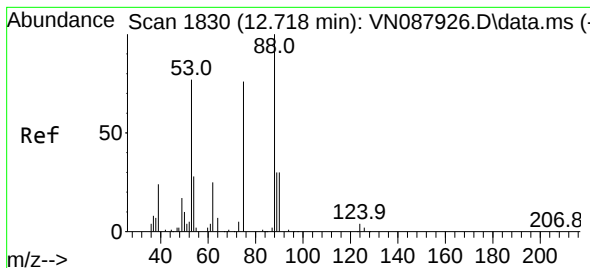
Tgt Ion: 91 Resp: 2432561
Ion Ratio Lower Upper
91 100
126 0.0 16.6 49.8#



#80
1,3,5-Trimethylbenzene
Concen: 6.330 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.041 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion:105 Resp: 100138
Ion Ratio Lower Upper
105 100
120 31.0 24.7 74.1

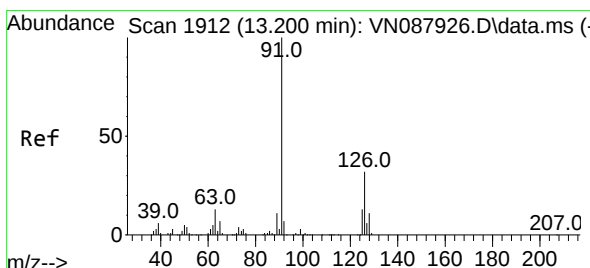
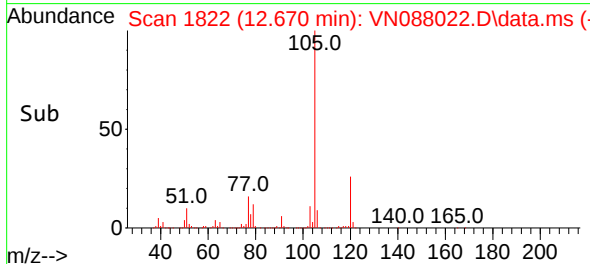
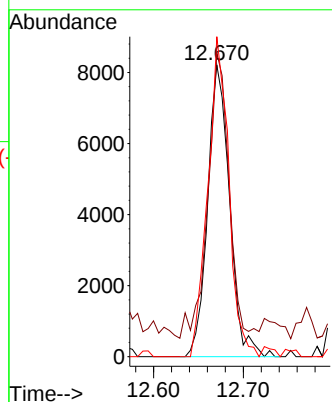
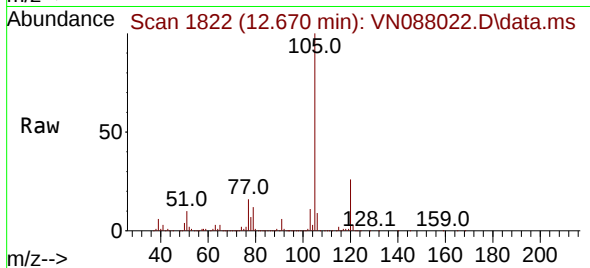




#81
 trans-1,4-Dichloro-2-butene
 Concen: 6.654 ug/l
 RT: 12.670 min Scan# 1880
 Delta R.T. -0.047 min
 Lab File: VN088022.D
 Acq: 03 Oct 2025 14:38

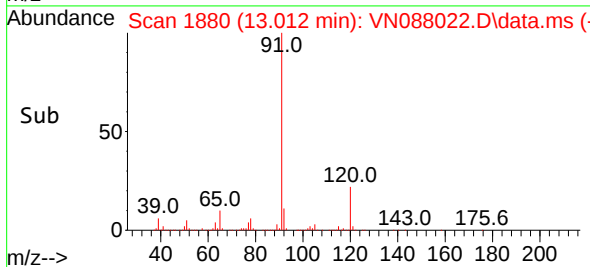
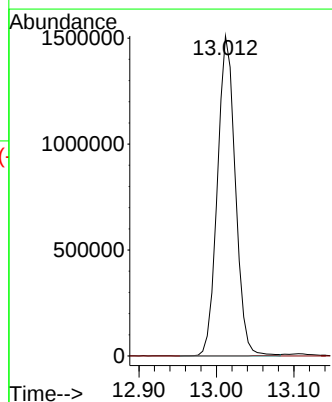
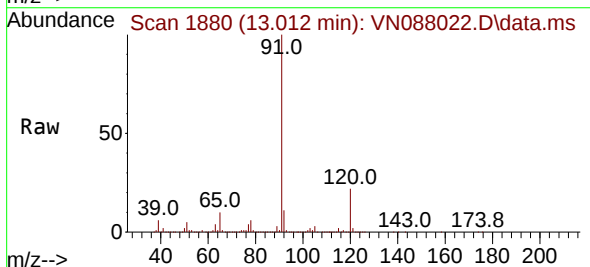
Instrument :
 MSVOA_N
 ClientSampleId :
 MW5

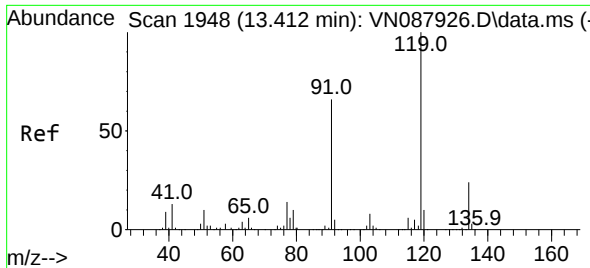
Tgt Ion: 75 Resp: 13939
 Ion Ratio Lower Upper
 75 100
 53 93.1 82.0 123.0
 89 104.8 36.1 54.1#



#82
 4-Chlorotoluene
 Concen: 173.394 ug/l
 RT: 13.012 min Scan# 1880
 Delta R.T. -0.188 min
 Lab File: VN088022.D
 Acq: 03 Oct 2025 14:38

Tgt Ion: 91 Resp: 2432561
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.9 50.6#

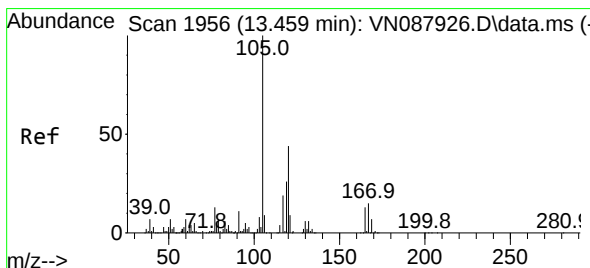
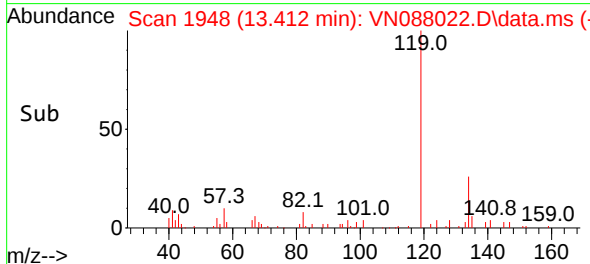
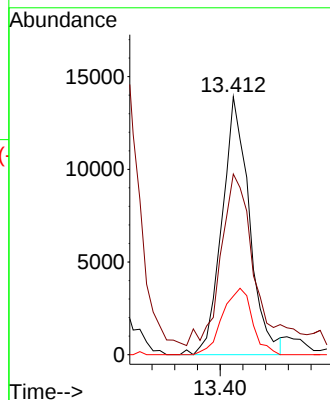
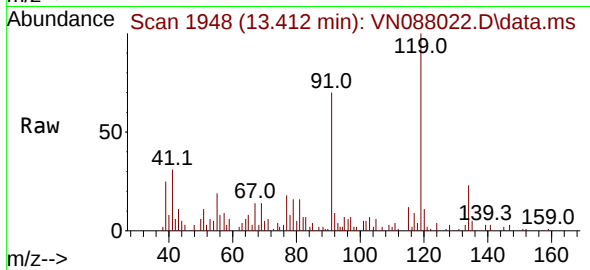




#83
 tert-Butylbenzene
 Concen: 1.734 ug/l
 RT: 13.412 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VN088022.D
 Acq: 03 Oct 2025 14:38

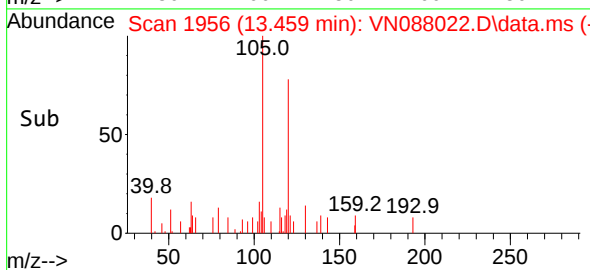
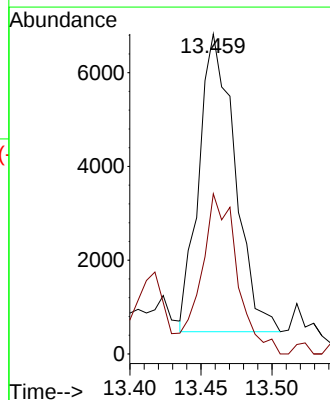
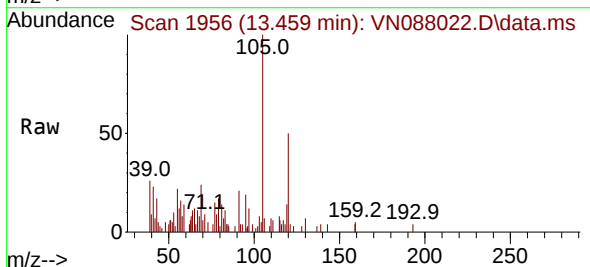
Instrument :
 MSVOA_N
 ClientSampleId :
 MW5

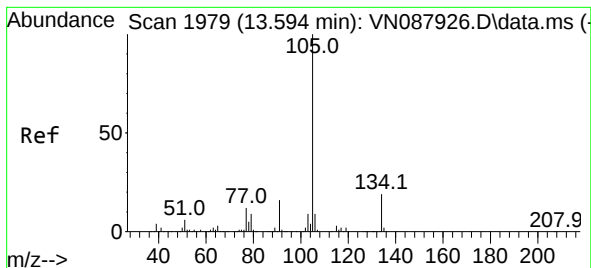
Tgt Ion:	119	Resp:	23219
Ion	Ratio	Lower	Upper
119	100		
91	83.4	32.1	96.3
134	28.1	12.3	36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 0.691 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. 0.000 min
 Lab File: VN088022.D
 Acq: 03 Oct 2025 14:38

Tgt Ion:	105	Resp:	11207
Ion	Ratio	Lower	Upper
105	100		
120	52.7	22.4	67.3





#85

sec-Butylbenzene

Concen: 10.349 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

Instrument :

MSVOA_N

ClientSampleId :

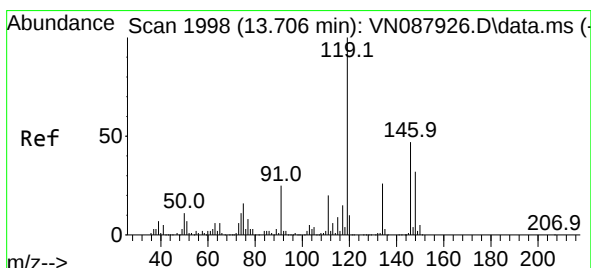
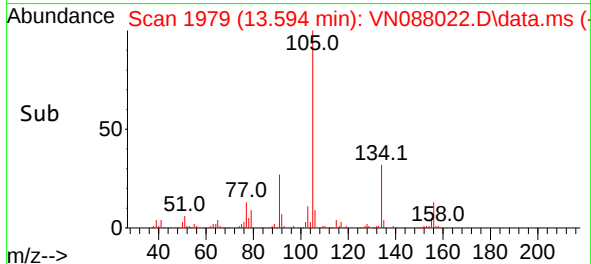
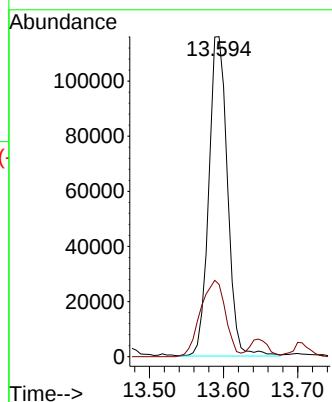
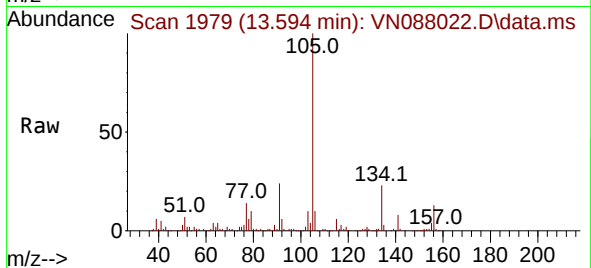
MW5

Tgt Ion:105 Resp: 203166

Ion Ratio Lower Upper

105 100

134 32.0 9.6 28.8#



#86

p-Isopropyltoluene

Concen: 1.885 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. 0.000 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

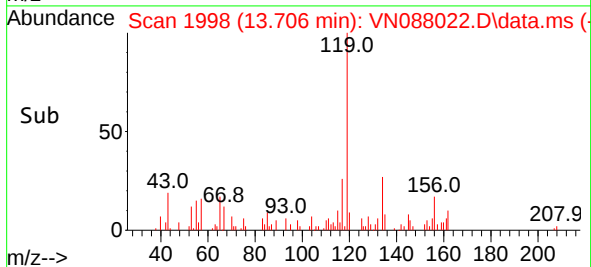
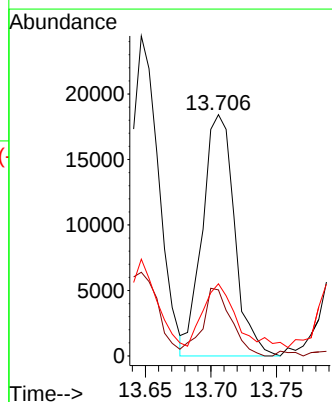
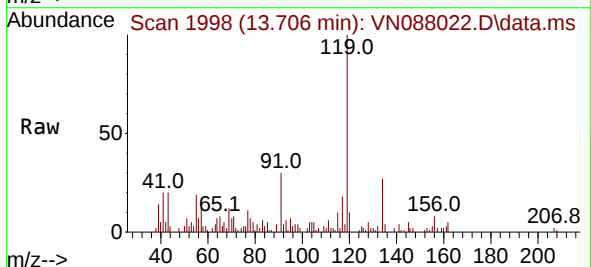
Tgt Ion:119 Resp: 31335

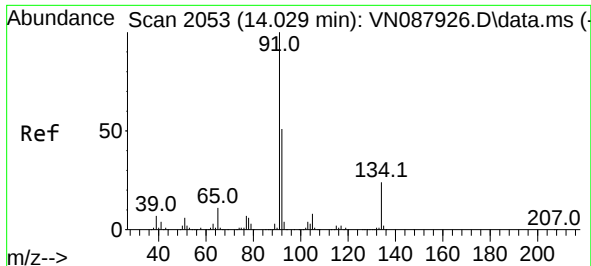
Ion Ratio Lower Upper

119 100

134 25.4 13.1 39.3

91 27.0 11.9 35.5

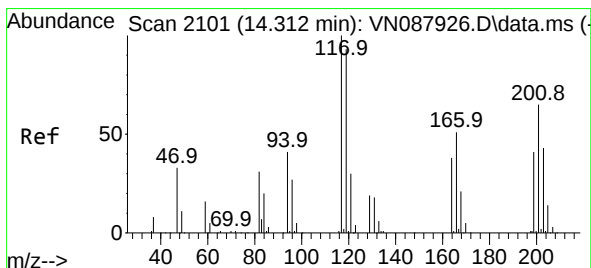
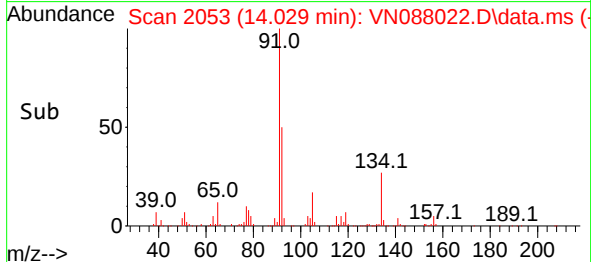
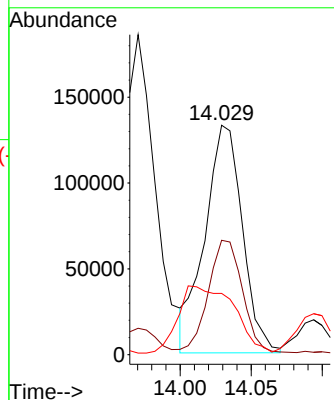
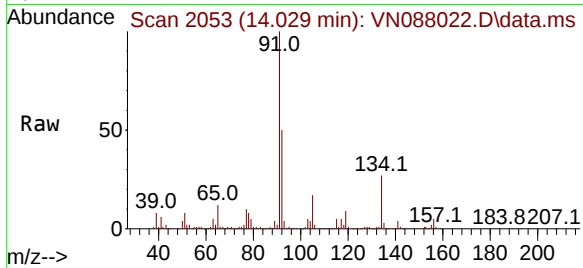




#89
n-Butylbenzene
Concen: 15.568 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

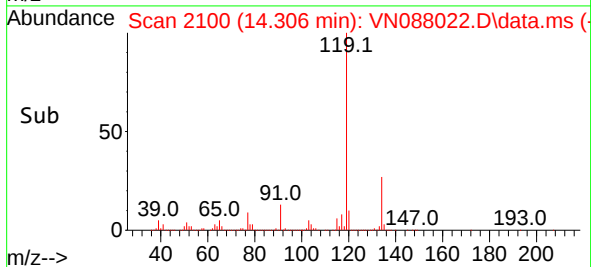
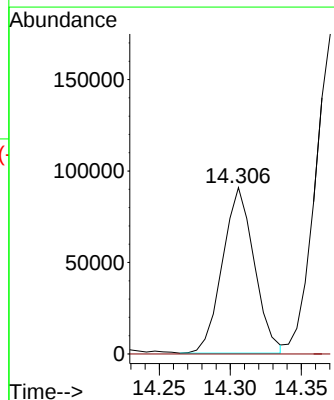
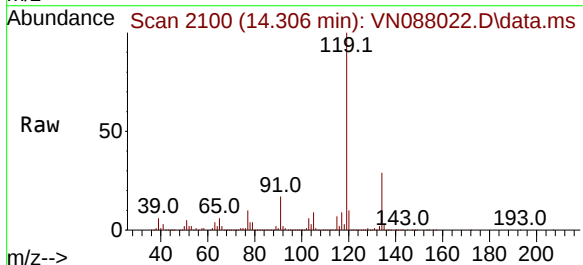
Instrument :
MSVOA_N
ClientSampleId :
MW5

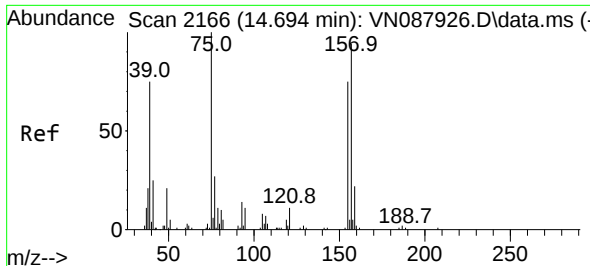
Tgt Ion: 91 Resp: 244616
Ion Ratio Lower Upper
91 100
92 45.0 25.9 77.8
134 0.0 12.6 37.8#



#90
Hexachloroethane
Concen: 40.526 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 117 Resp: 140751
Ion Ratio Lower Upper
117 100
201 0.0 33.6 100.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.741 ug/l

RT: 14.712 min Scan# 2169

Delta R.T. 0.018 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

Instrument :

MSVOA_N

ClientSampleId :

MW5

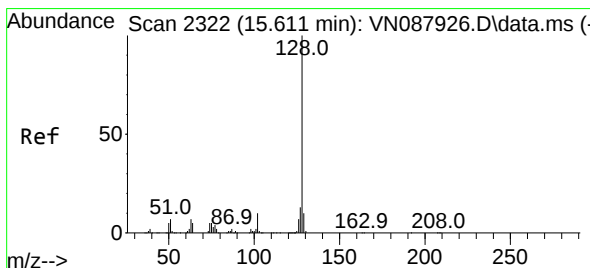
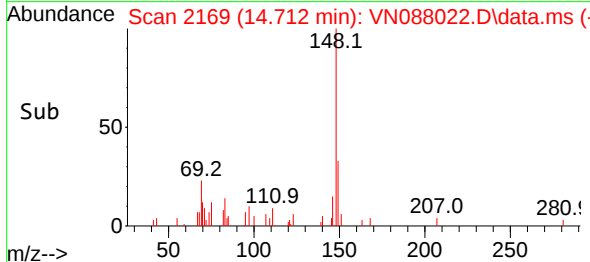
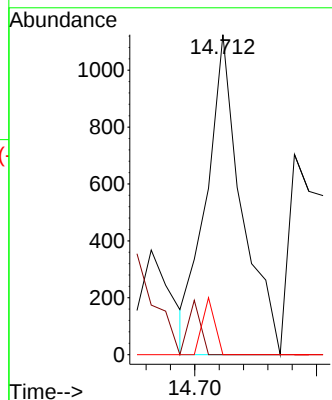
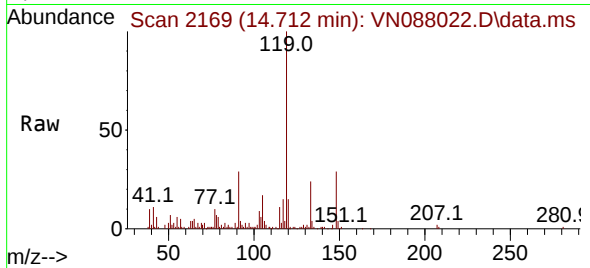
Tgt Ion: 75 Resp: 1134

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 0.0 50.9 152.7#



#95

Naphthalene

Concen: 1.723 ug/l

RT: 15.617 min Scan# 2323

Delta R.T. 0.006 min

Lab File: VN088022.D

Acq: 03 Oct 2025 14:38

Tgt Ion:128 Resp: 29897

Ion Ratio Lower Upper

128 100

127 15.0 10.2 15.4

129 0.0 8.6 13.0#

