

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088121.D
 Acq On : 27 Oct 2025 17:39
 Operator : JC\MD
 Sample : Q3426-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP2

Quant Time: Oct 28 01:31:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	270716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	619054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	604894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	319105	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	278849	59.567	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.140%	
35) Dibromofluoromethane	8.153	113	205748	49.472	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.940%	
50) Toluene-d8	10.541	98	789126	49.244	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.480%	
62) 4-Bromofluorobenzene	12.829	95	350129	61.868	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 123.740%#	

Target Compounds				Qvalue		
11) Tert butyl alcohol	5.512	59	4162	5.161	ug/l #	71
13) Acrolein	4.147	56	29094	32.072	ug/l #	1
14) Allyl chloride	5.153	41	26348	4.418	ug/l #	14
15) Acrylonitrile	5.794	53	9236	4.204	ug/l #	40
16) Acetone	4.430	43	65194	27.721	ug/l #	89
17) Carbon Disulfide	4.706	76	16226	1.569	ug/l	99
18) Methyl Acetate	5.030	43	1960	0.407	ug/l #	60
20) Methylene Chloride	5.253	84	1460	1.166	ug/l #	25
23) Vinyl Acetate	6.647	43	16339	1.446	ug/l #	72
25) 2-Butanone	7.471	43	32449	10.470	ug/l	98
28) Bromochloromethane	7.988	49	4483	1.366	ug/l #	19
29) Tetrahydrofuran	7.794	42	450	0.223	ug/l #	34
30) Chloroform	7.982	83	11601	1.671	ug/l #	46
31) Cyclohexane	8.241	56	1010963	154.281	ug/l	94
36) 1,1-Dichloropropene	8.200	75	29234	4.814	ug/l #	52
37) Ethyl Acetate	7.471	43	32449	4.141	ug/l #	73
38) Carbon Tetrachloride	8.206	117	31065	4.953	ug/l #	15
39) Methylcyclohexane	9.582	83	1179448	151.109	ug/l	98
40) Benzene	8.588	78	2700822	146.044	ug/l	99
41) Methacrylonitrile	7.818	41	10249	2.485	ug/l #	34
42) 1,2-Dichloroethane	8.718	62	2083	0.317	ug/l #	1
43) Isopropyl Acetate	8.688	43	58713	4.876	ug/l #	58
45) 1,2-Dichloropropane	9.582	63	16778	3.594	ug/l #	1
47) Bromodichloromethane	9.853	83	34093	5.114	ug/l #	24
48) Methyl methacrylate	9.576	41	718517	129.246	ug/l #	74
51) 4-Methyl-2-Pentanone	10.471	43	25297	3.551	ug/l #	63
52) Toluene	10.606	92	440530	38.637	ug/l	99
55) 1,1,2-Trichloroethane	10.982	97	179605	41.520	ug/l #	21
56) Ethyl methacrylate	10.835	69	36577	5.343	ug/l #	21
58) 2-Chloroethyl Vinyl ether	10.135	63	2527	0.710	ug/l #	49
59) 2-Hexanone	11.147	43	150477	31.843	ug/l #	31
60) Dibromochloromethane	11.159	129	999	0.203	ug/l	65
67) Ethyl Benzene	11.941	91	3344973	138.740	ug/l	100
68) m/p-Xylenes	12.047	106	5022656	556.006	ug/l	100
69) o-Xylene	12.376	106	879431	102.696	ug/l	97
70) Styrene	12.370	104	43788	3.136	ug/l #	1

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

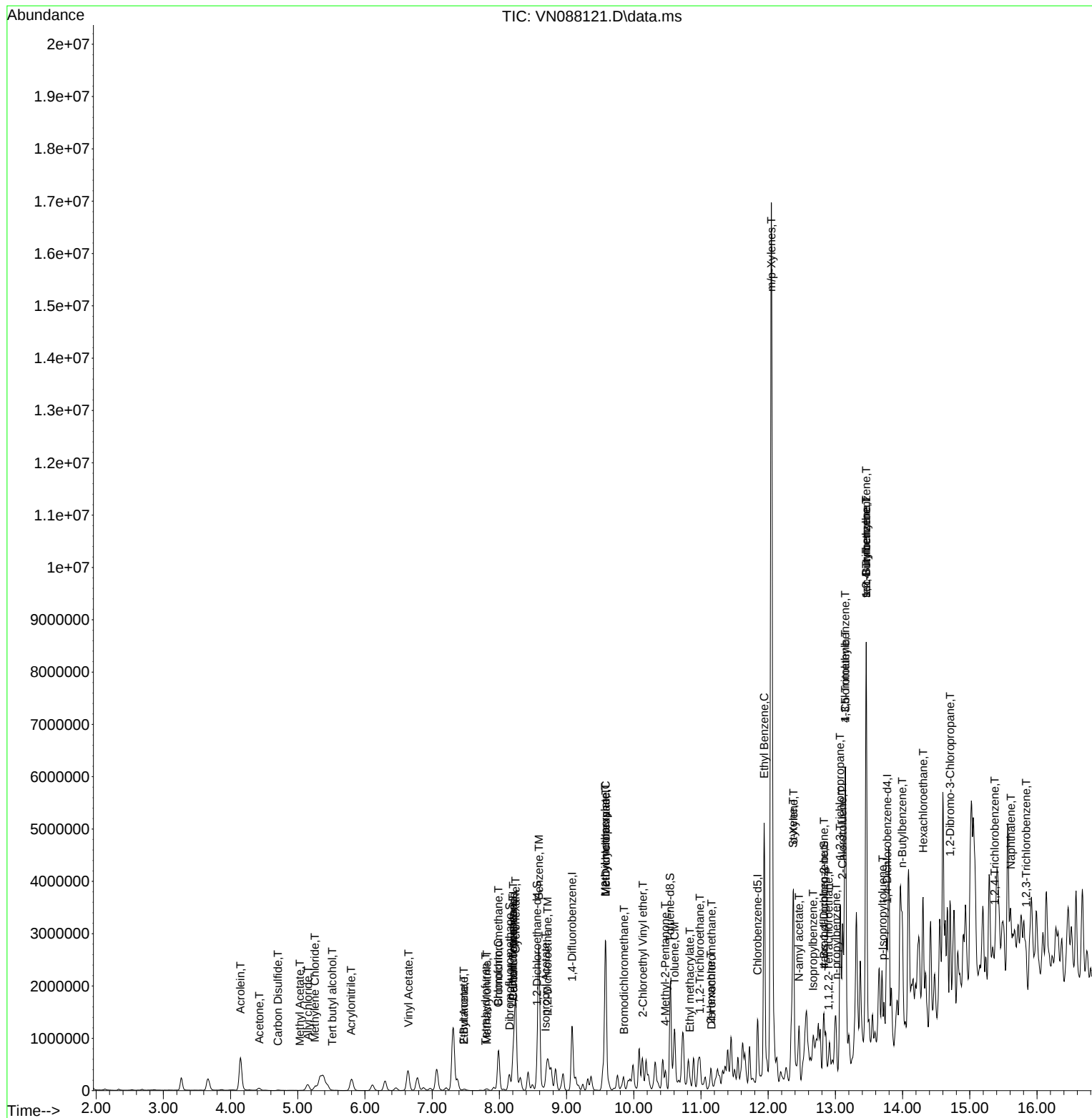
73) Isopropylbenzene	12.670	105	218240	8.867	ug/l	99
74) N-amyl acetate	12.459	43	243535	34.857	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.900	83	21055	2.748	ug/l #	75
76) 1,2,3-Trichloropropane	13.070	75	16900	2.316	ug/l #	1
78) n-propylbenzene	13.012	91	463514	15.433	ug/l	99
79) 2-Chlorotoluene	13.106	91	168339	9.828	ug/l #	47
80) 1,3,5-Trimethylbenzene	13.147	105	2158921	105.621	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.829	75	189660	72.517	ug/l #	1
82) 4-Chlorotoluene	13.147	91	252484	13.625	ug/l #	47
83) tert-Butylbenzene	13.459	119	523979	28.697	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.459	105	4440527	217.133	ug/l	99
85) sec-Butylbenzene	13.459	105	4440527	165.527	ug/l #	58
86) p-Isopropyltoluene	13.706	119	102118	4.745	ug/l	93
89) n-Butylbenzene	13.994	91	414800	19.459	ug/l #	1
90) Hexachloroethane	14.306	117	95462	22.907	ug/l #	22
92) 1,2-Dibromo-3-Chloropr...	14.706	75	4654	2.610	ug/l #	38
93) 1,2,4-Trichlorobenzene	15.370	180	3014	0.487	ug/l #	1
95) Naphthalene	15.611	128	1196110	56.451	ug/l	95
96) 1,2,3-Trichlorobenzene	15.841	180	26664	4.496	ug/l #	13

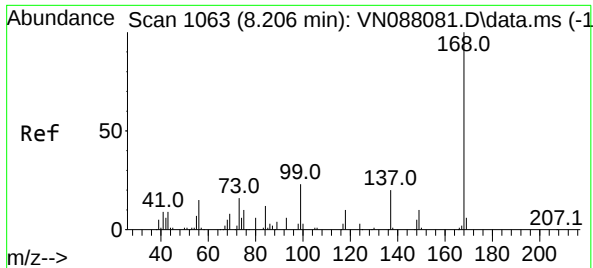
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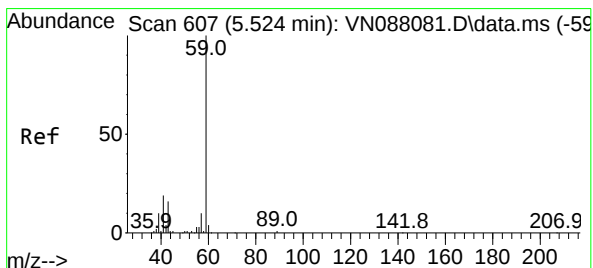
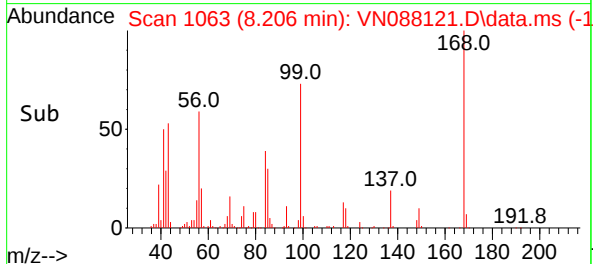
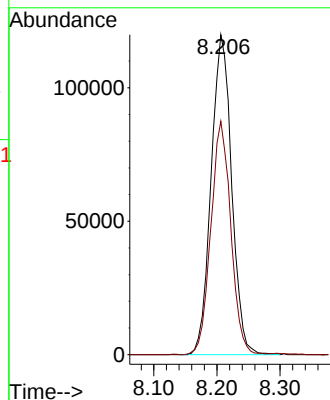
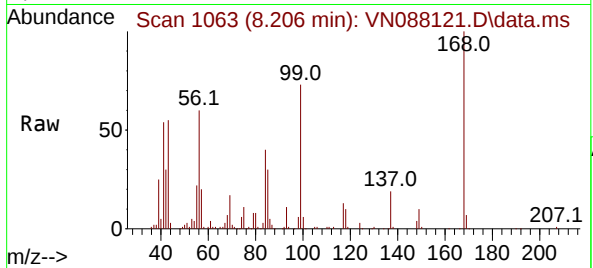




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088121.D
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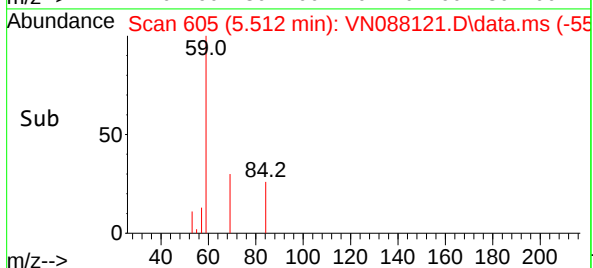
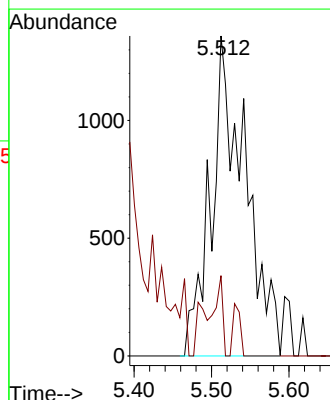
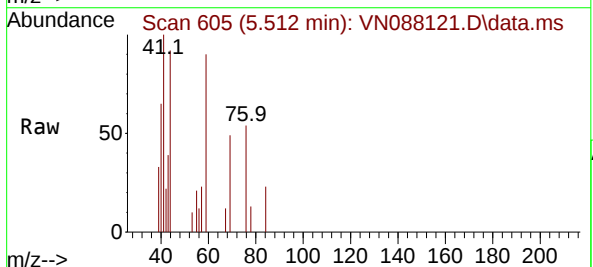
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ClientSampleId :
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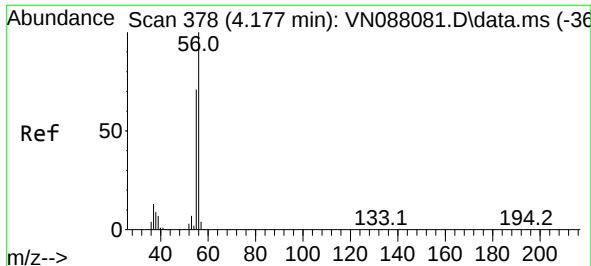
Tgt Ion:168 Resp: 270716
Ion Ratio Lower Upper
168 100
99 72.9 57.2 85.8



#11
Tert butyl alcohol
Concen: 5.161 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 59 Resp: 4162
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

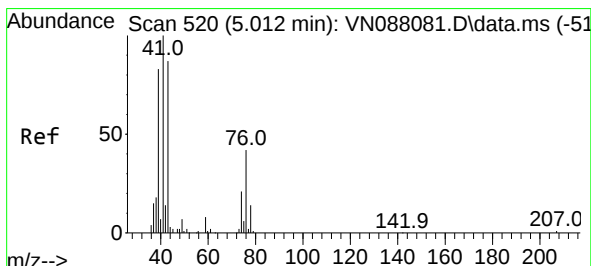
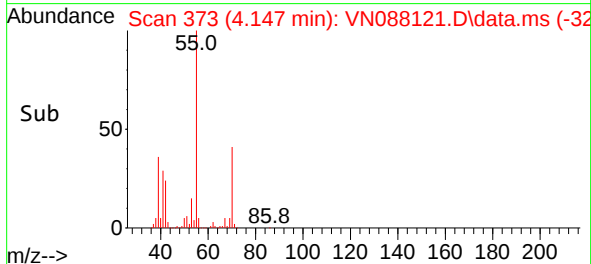
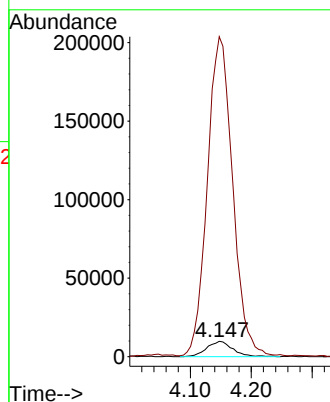
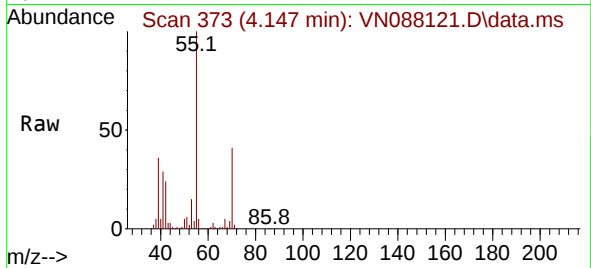




#13
Acrolein
Concen: 32.072 ug/l
RT: 4.147 min Scan# 31
Delta R.T. -0.024 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

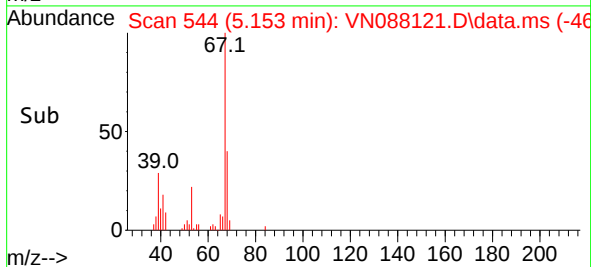
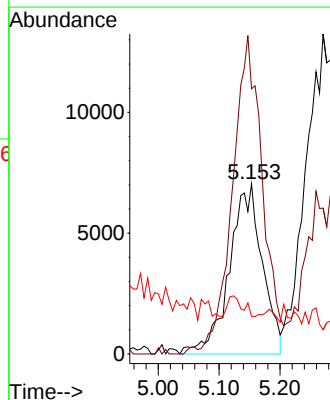
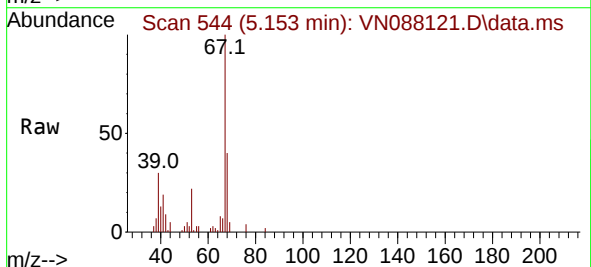
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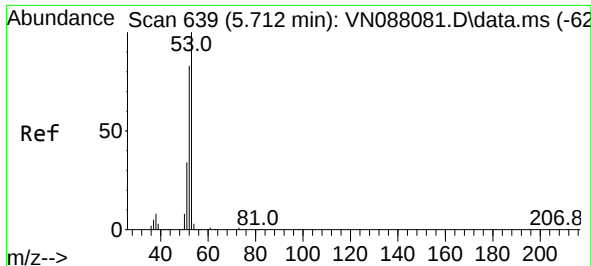
Tgt Ion: 56 Resp: 29094
Ion Ratio Lower Upper
56 100
55 2012.2 57.3 85.9#



#14
Allyl chloride
Concen: 4.418 ug/l
RT: 5.153 min Scan# 544
Delta R.T. 0.147 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 41 Resp: 26348
Ion Ratio Lower Upper
41 100
39 165.5 63.9 95.9#
76 0.0 28.1 42.1#

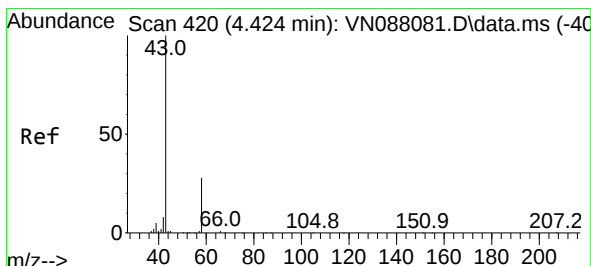
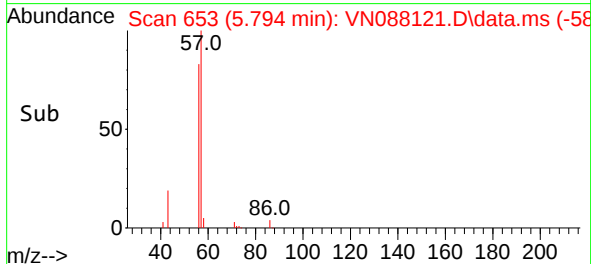
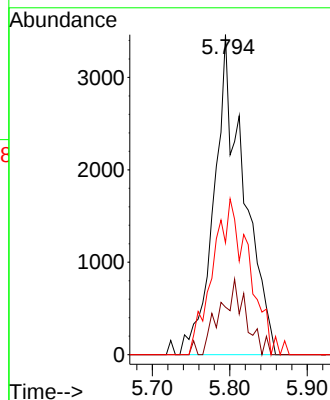
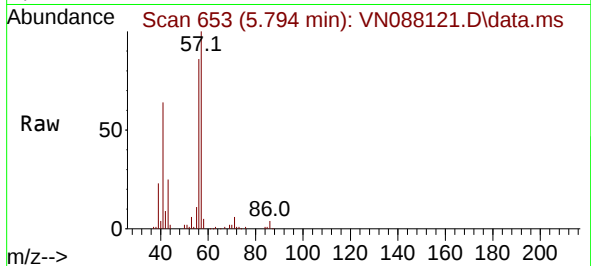




#15
Acrylonitrile
Concen: 4.204 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.088 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

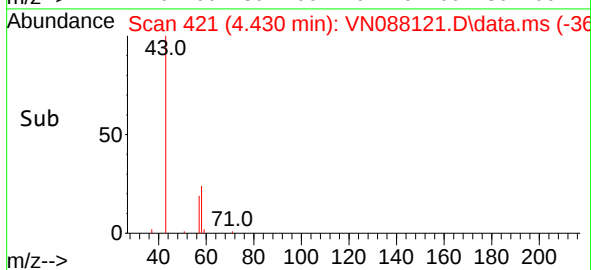
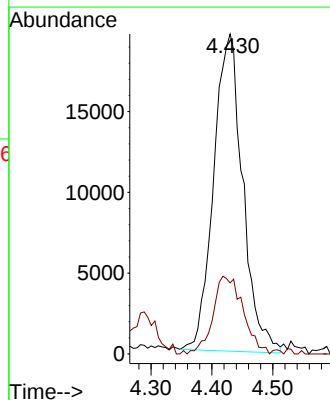
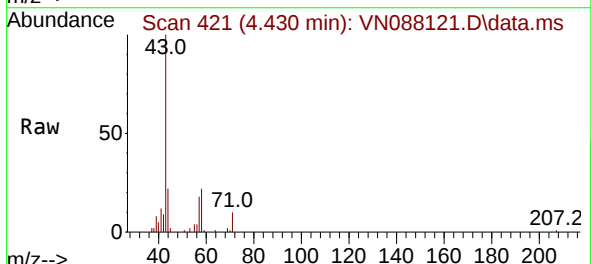
Instrument :
MSVOA_N
ClientSampleId :
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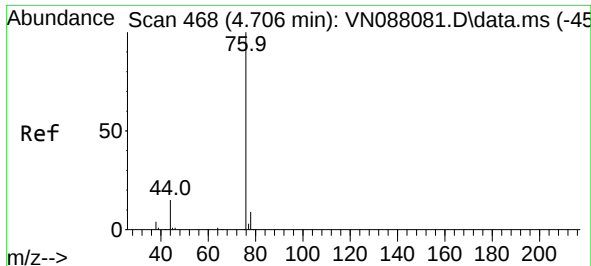
Tgt Ion: 53 Resp: 9236
Ion Ratio Lower Upper
53 100
52 20.4 67.6 101.4#
51 59.9 30.1 45.1#



#16
Acetone
Concen: 27.721 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 43 Resp: 65194
Ion Ratio Lower Upper
43 100
58 22.5 22.6 33.8#

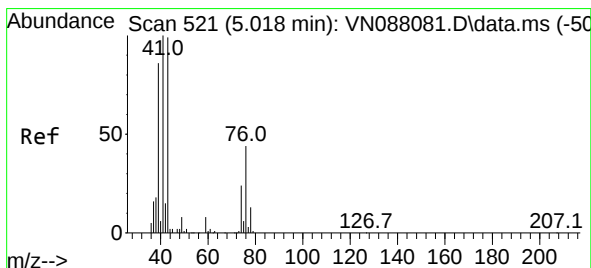
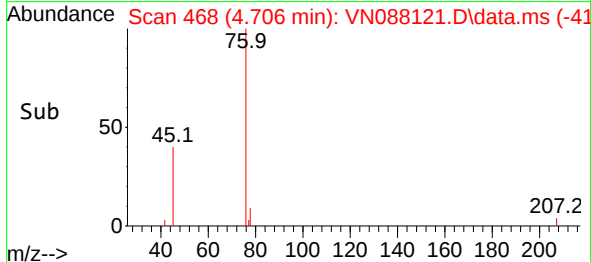
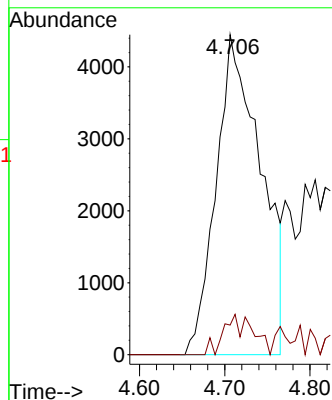
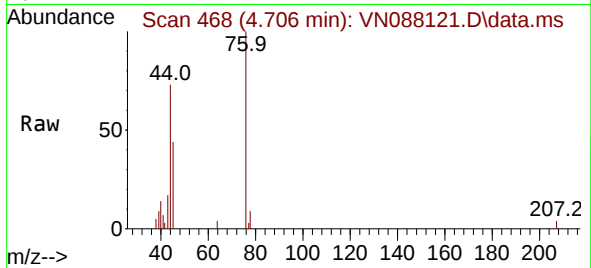




#17
Carbon Disulfide
Concen: 1.569 ug/l
RT: 4.706 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

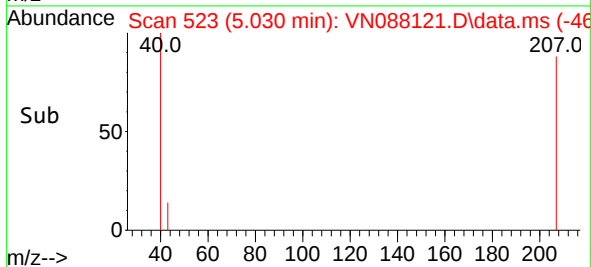
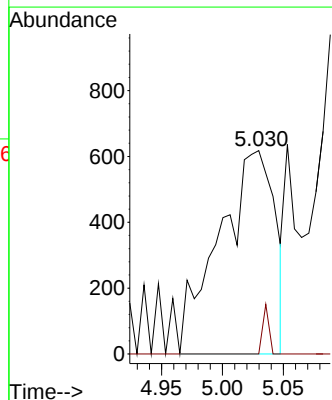
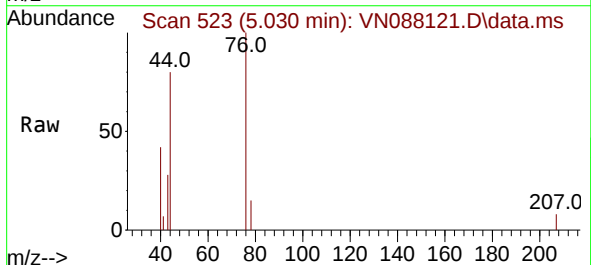
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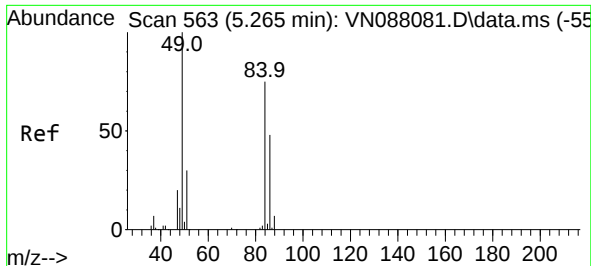
Tgt Ion: 76 Resp: 16226
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4



#18
Methyl Acetate
Concen: 0.407 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.017 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 43 Resp: 1960
Ion Ratio Lower Upper
43 100
74 2.7 17.6 26.4#

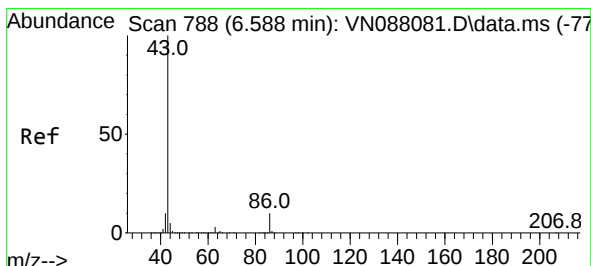
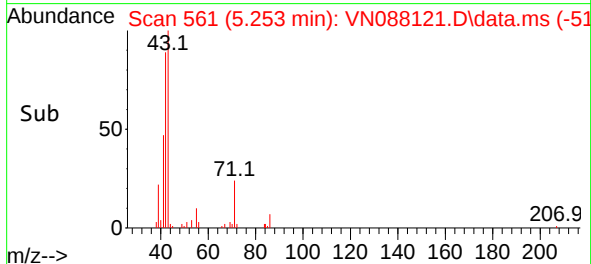
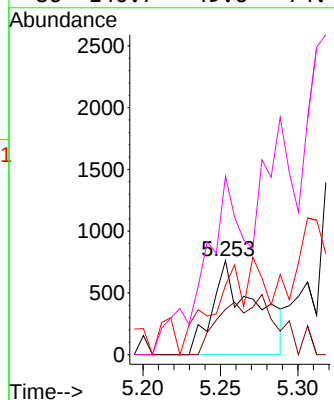
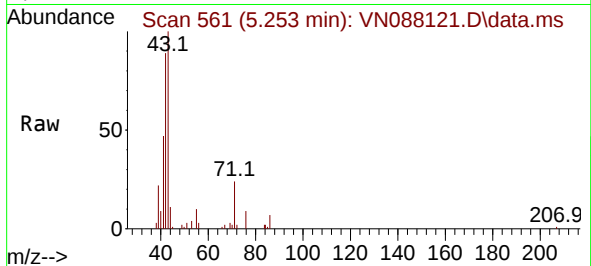




#20
Methylene Chloride
Concen: 1.166 ug/l
RT: 5.253 min Scan# 501
Delta R.T. -0.012 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

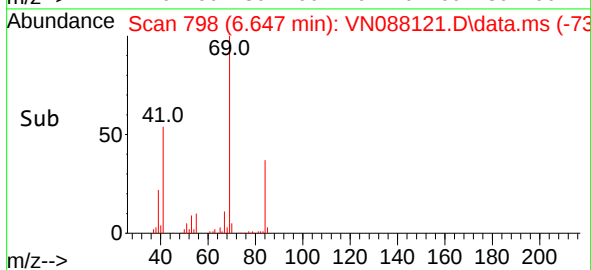
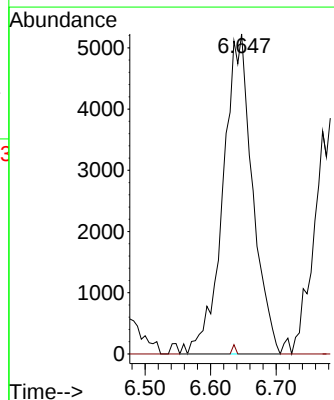
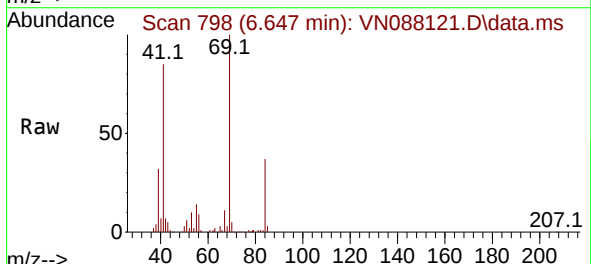
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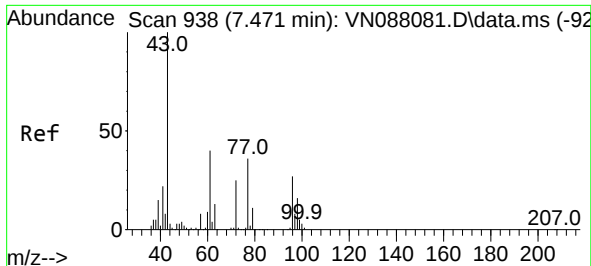
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Ion Ratio Lower Upper
84 100
49 48.3 103.4 155.2#
51 73.6 33.8 50.8#
86 140.7 49.6 74.4#



#23
Vinyl Acetate
Concen: 1.446 ug/l
RT: 6.647 min Scan# 798
Delta R.T. 0.059 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 43 Resp: 16339
Ion Ratio Lower Upper
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86 0.0 8.2 12.4#

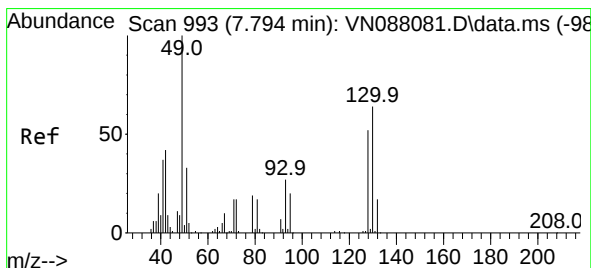
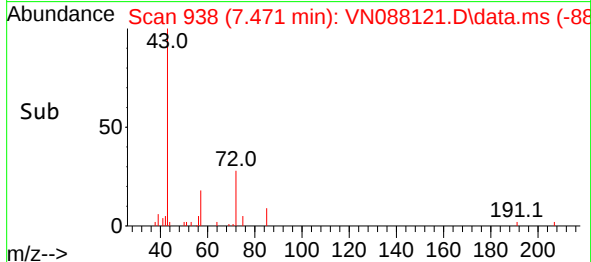
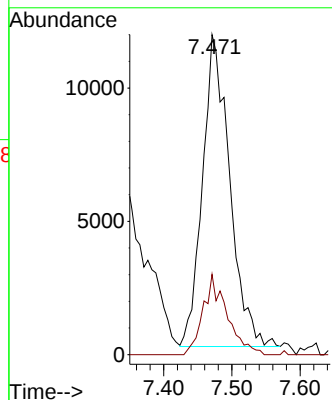
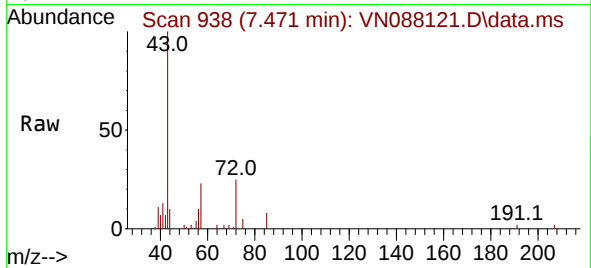




#25
2-Butanone
Concen: 10.470 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088121.D
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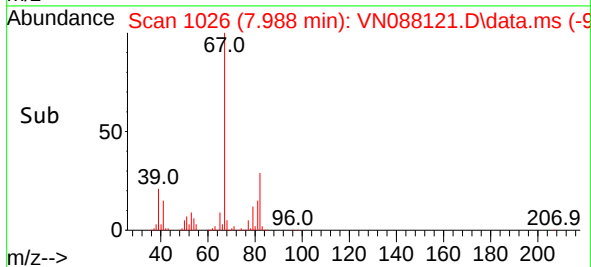
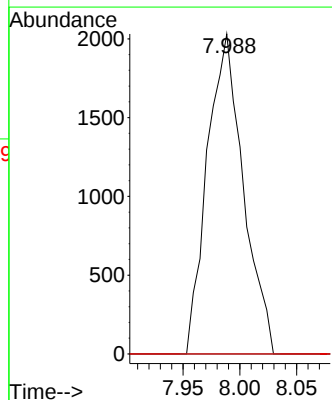
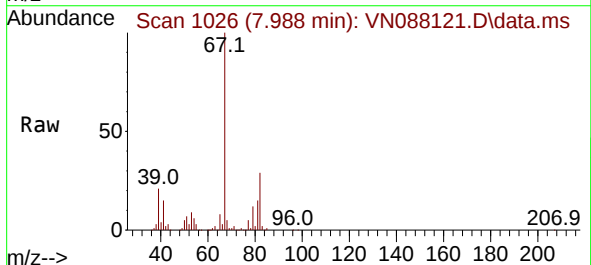
Instrument :
MSVOA_N
ClientSampleId :
TWP2

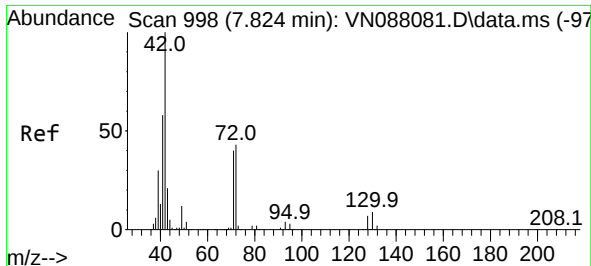
Tgt Ion: 43 Resp: 32449
Ion Ratio Lower Upper
43 100
72 25.8 19.9 29.9



#28
Bromochloromethane
Concen: 1.366 ug/l
RT: 7.988 min Scan# 1026
Delta R.T. 0.188 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 49 Resp: 4483
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 0.0 53.1 79.7#





#29

Tetrahydrofuran

Concen: 0.223 ug/l

RT: 7.794 min Scan# 998

Delta R.T. -0.030 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

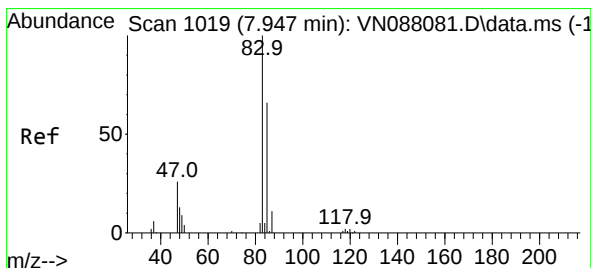
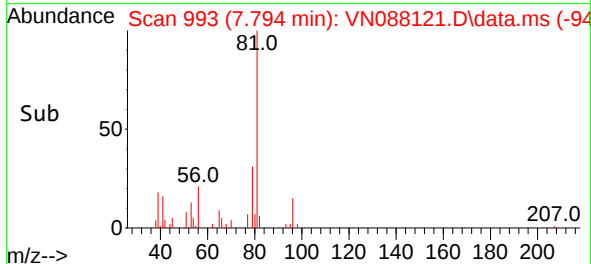
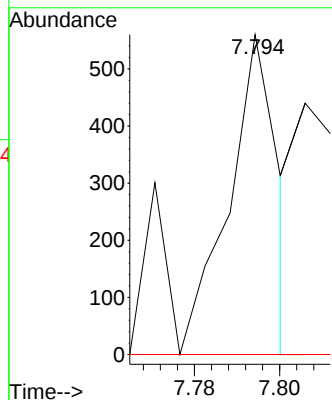
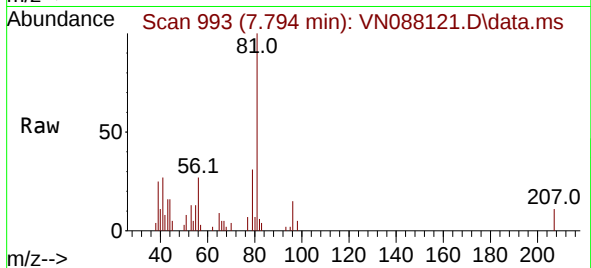
Instrument :

MSVOA_N

ClientSampleId :

TWP2

Tgt Ion:	42	Resp:	450
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	31.9	47.9#



#30

Chloroform

Concen: 1.671 ug/l

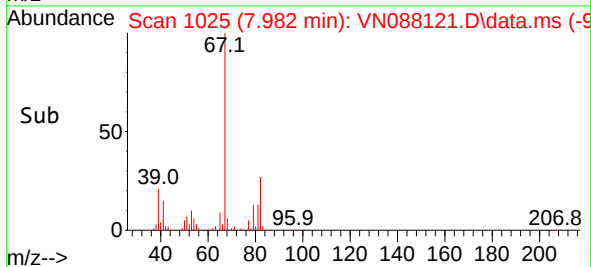
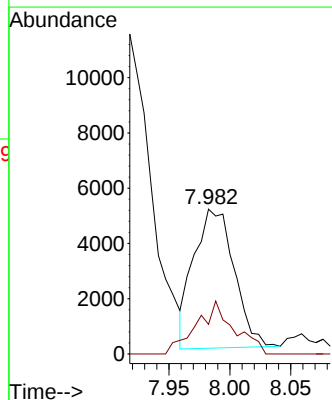
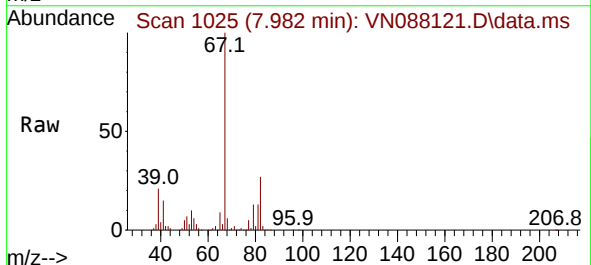
RT: 7.982 min Scan# 1025

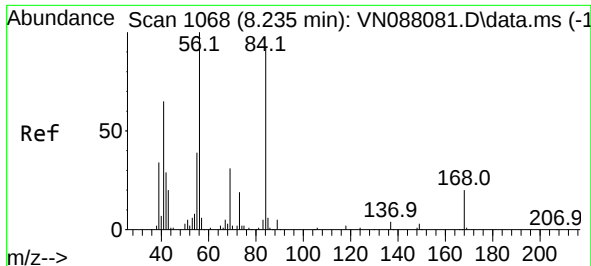
Delta R.T. 0.035 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

Tgt Ion:	83	Resp:	11601
Ion	Ratio	Lower	Upper
83	100		
85	21.6	50.7	76.1#

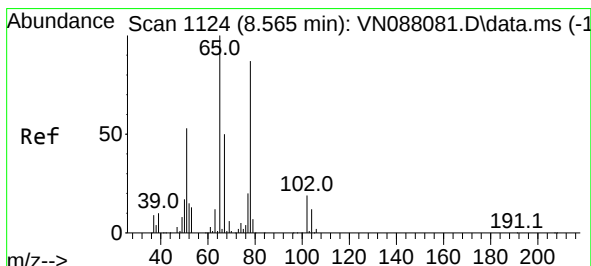
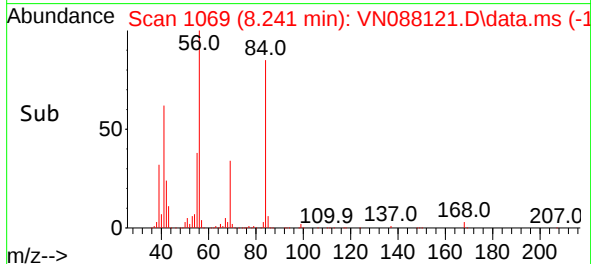
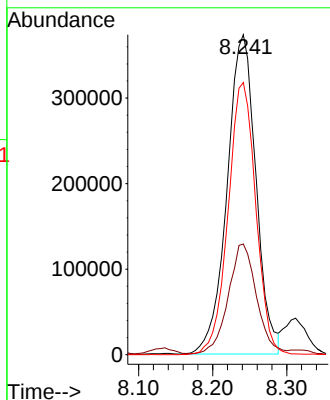
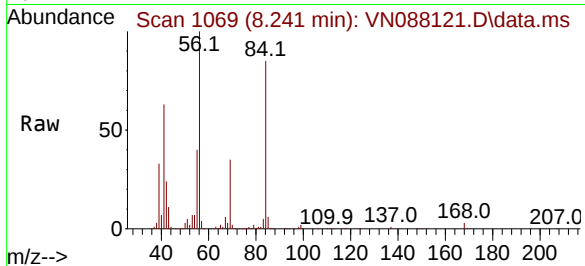




#31
Cyclohexane
Concen: 154.281 ug/l
RT: 8.241 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

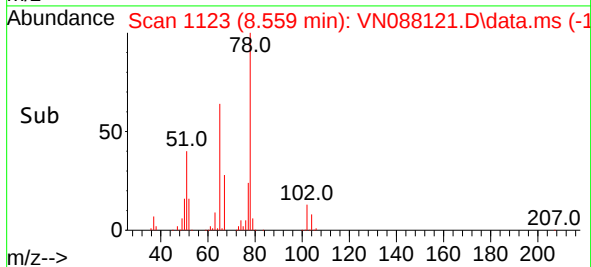
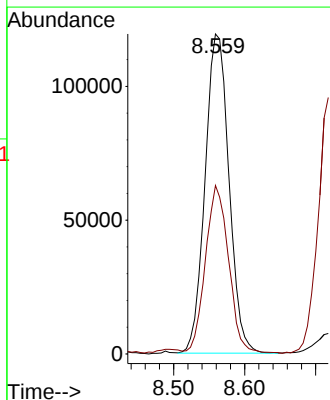
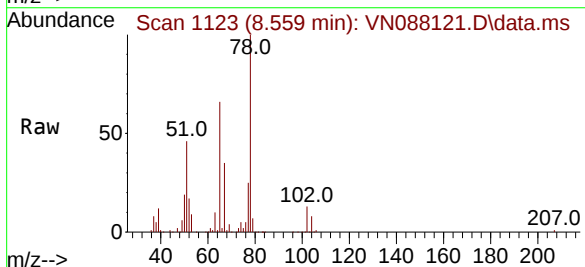
Instrument :
MSVOA_N
ClientSampleId :
TWP2

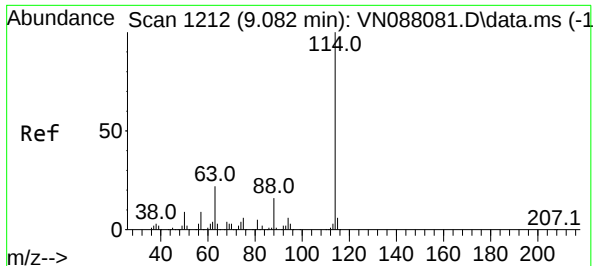
Tgt Ion: 56 Resp: 1010963
Ion Ratio Lower Upper
56 100
69 33.8 23.7 35.5
84 85.2 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 59.567 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 65 Resp: 278849
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

Instrument :

MSVOA_N

ClientSampleId :

TWP2

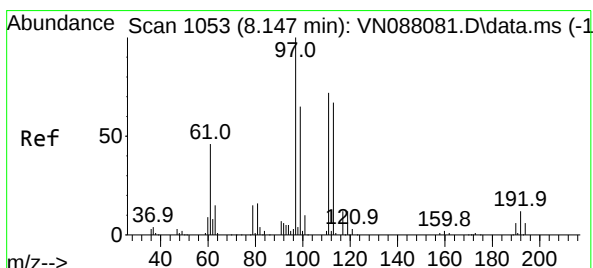
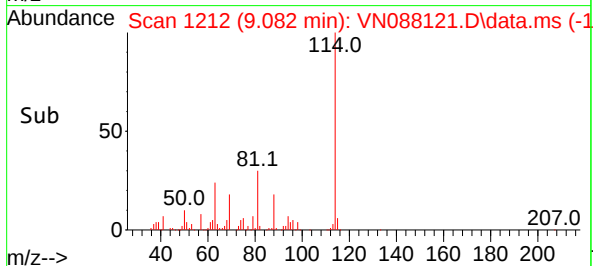
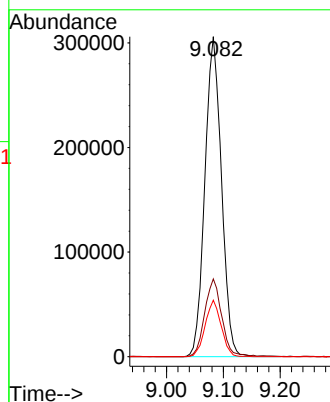
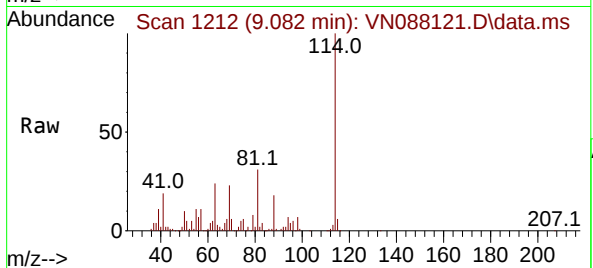
Tgt Ion:114 Resp: 619054

Ion Ratio Lower Upper

114 100

63 24.3 0.0 45.2

88 17.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.472 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

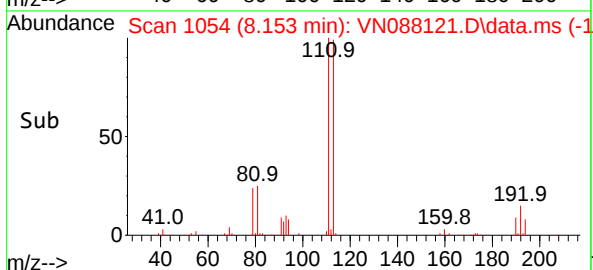
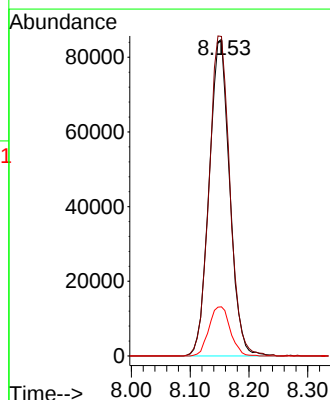
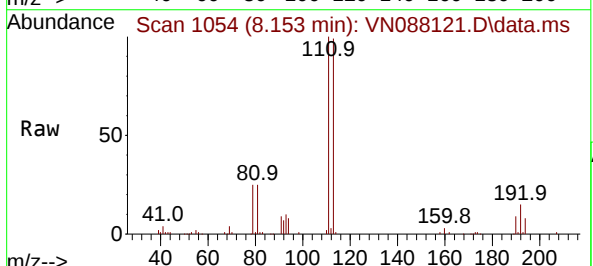
Tgt Ion:113 Resp: 205748

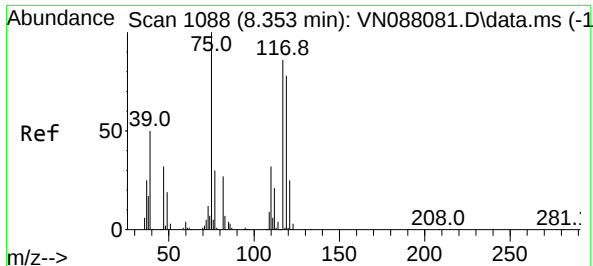
Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

192 16.1 12.8 19.2

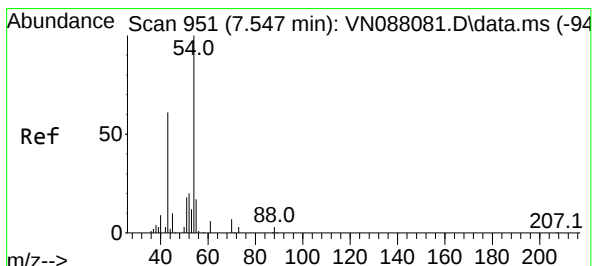
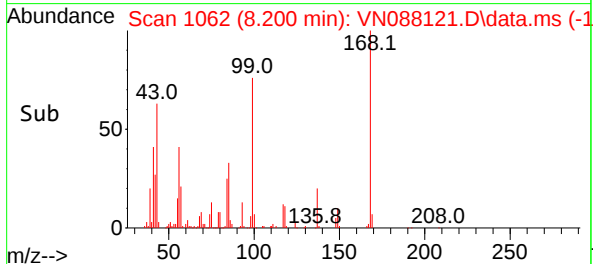
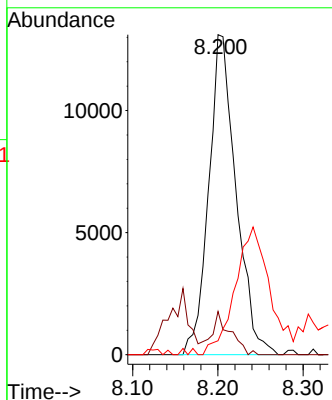
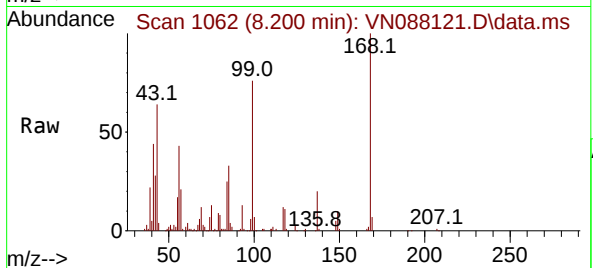




#36
1,1-Dichloropropene
Concen: 4.814 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.153 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

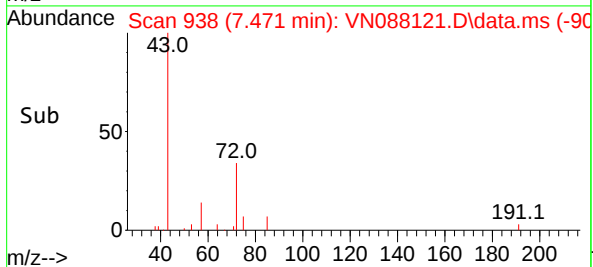
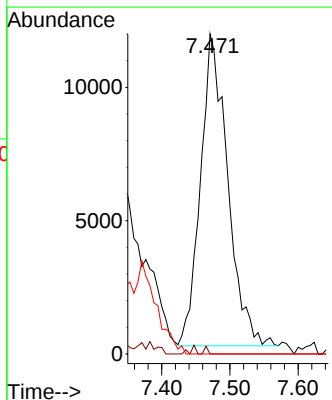
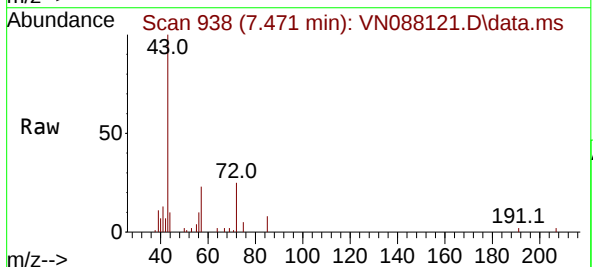
Instrument :
MSVOA_N
ClientSampleId :
TWP2

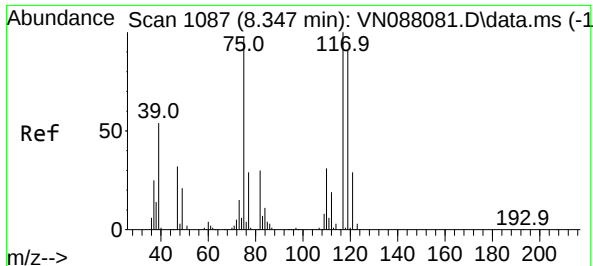
Tgt Ion: 75 Resp: 29234
Ion Ratio Lower Upper
75 100
110 8.8 15.9 47.6#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 4.141 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.077 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 43 Resp: 32449
Ion Ratio Lower Upper
43 100
61 0.3 9.3 13.9#
70 0.0 7.0 10.6#

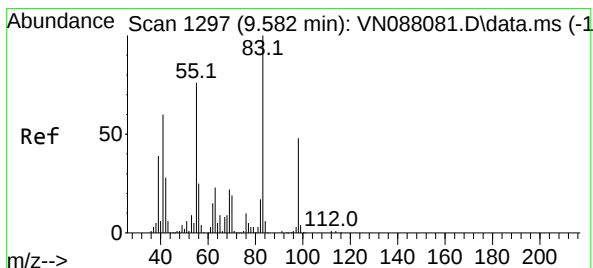
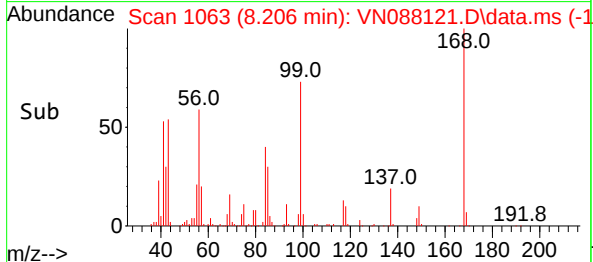
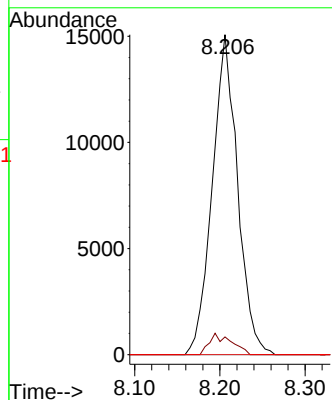
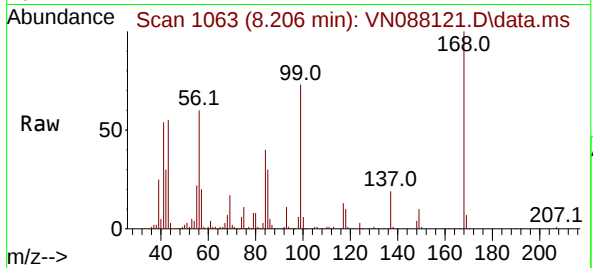




#38
Carbon Tetrachloride
Concen: 4.953 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

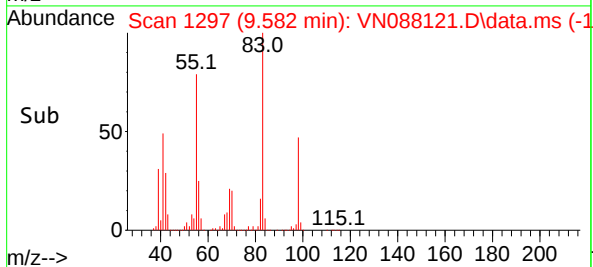
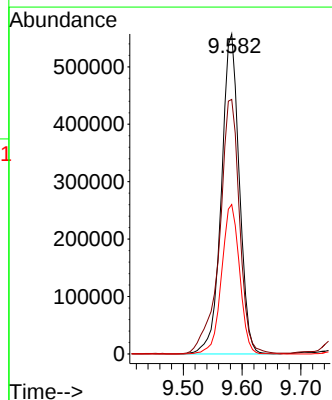
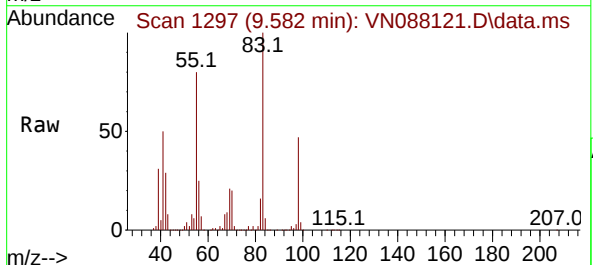
Instrument :
MSVOA_N
ClientSampleId :
TWP2

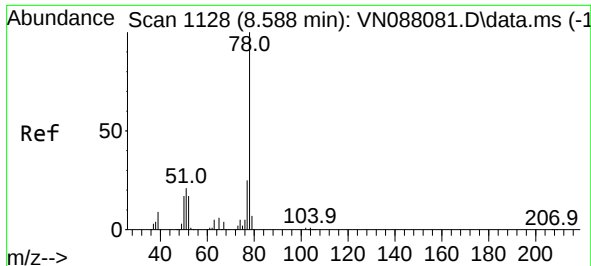
Tgt Ion:117 Resp: 31065
Ion Ratio Lower Upper
117 100
119 5.5 79.0 118.6#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 151.109 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 83 Resp: 1179448
Ion Ratio Lower Upper
83 100
55 79.5 64.6 96.8
98 46.7 38.4 57.6

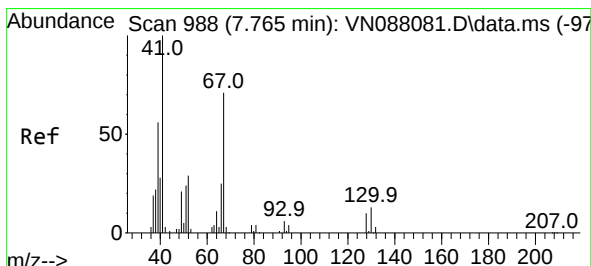
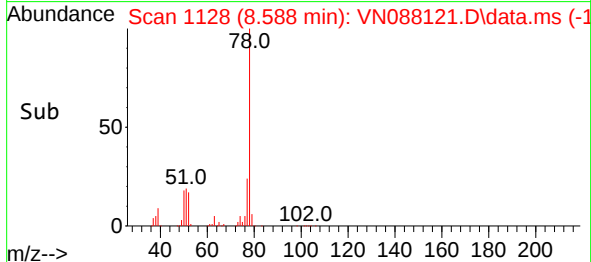
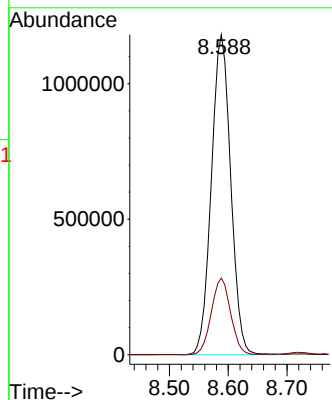
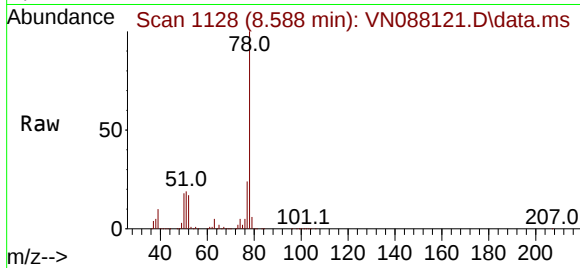




#40
Benzene
Concen: 146.044 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

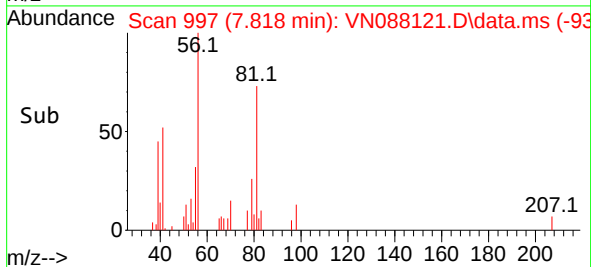
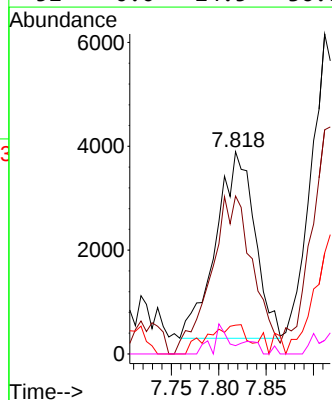
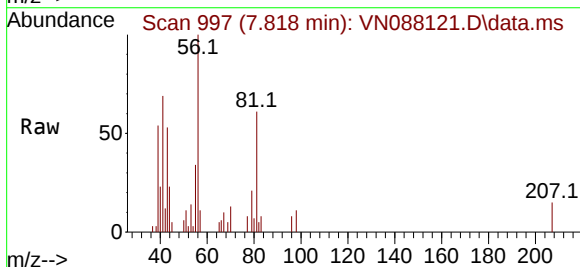
Instrument :
MSVOA_N
ClientSampleId :
TWP2

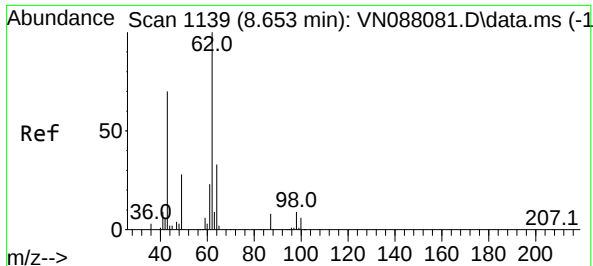
Tgt Ion: 78 Resp: 2700822
Ion Ratio Lower Upper
78 100
77 24.0 19.7 29.5



#41
Methacrylonitrile
Concen: 2.485 ug/l
RT: 7.818 min Scan# 997
Delta R.T. 0.059 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 41 Resp: 10249
Ion Ratio Lower Upper
41 100
39 91.7 45.4 68.0#
67 0.0 55.3 82.9#
52 0.0 24.5 36.7#





#42

1,2-Dichloroethane

Concen: 0.317 ug/l

RT: 8.718 min Scan# 1150

Delta R.T. 0.065 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

Instrument :

MSVOA_N

ClientSampleId :

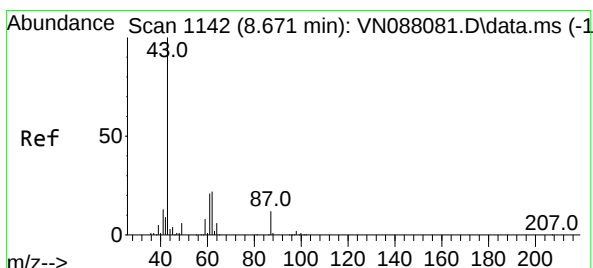
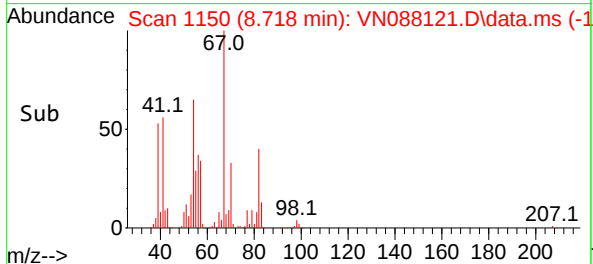
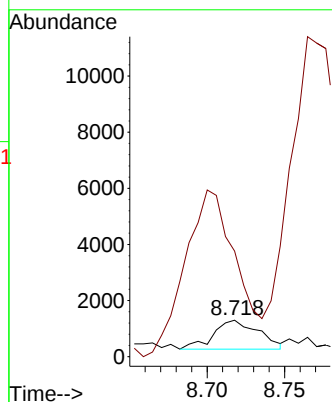
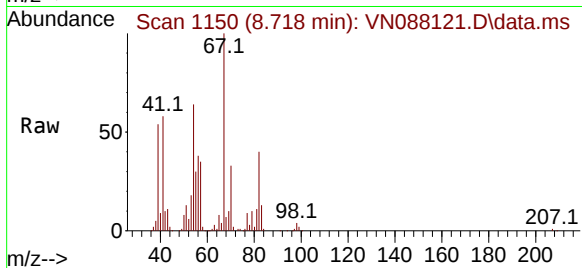
TWP2

Tgt Ion: 62 Resp: 2083

Ion Ratio Lower Upper

62 100

98 664.7 0.0 17.4#



#43

Isopropyl Acetate

Concen: 4.876 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

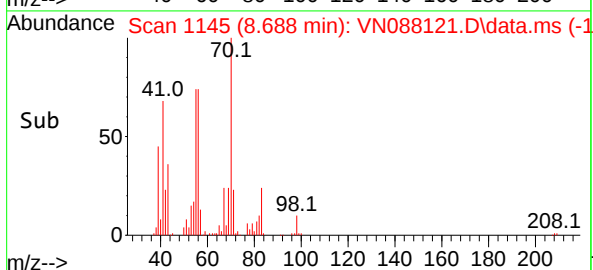
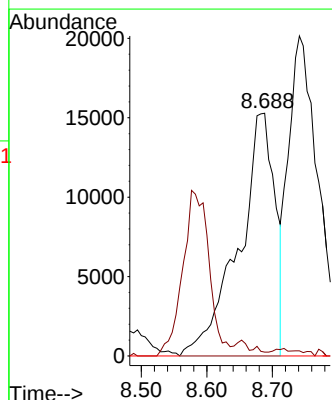
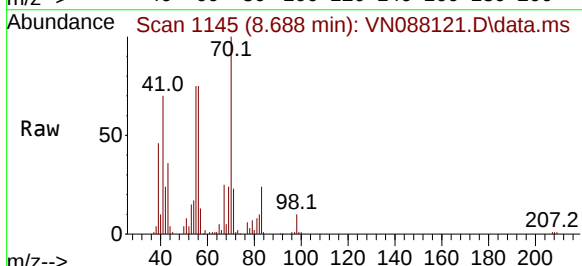
Tgt Ion: 43 Resp: 58713

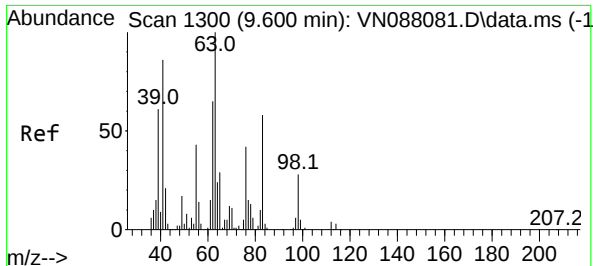
Ion Ratio Lower Upper

43 100

61 0.0 18.8 28.2#

87 0.0 9.6 14.4#





#45

1,2-Dichloropropane

Concen: 3.594 ug/l

RT: 9.582 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

Instrument :

MSVOA_N

ClientSampleId :

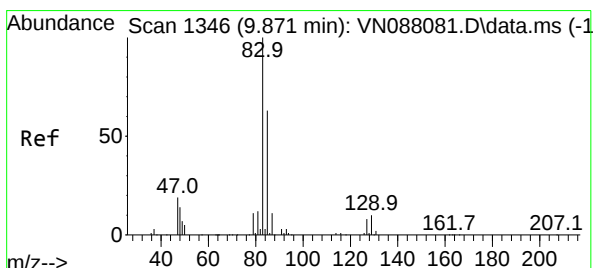
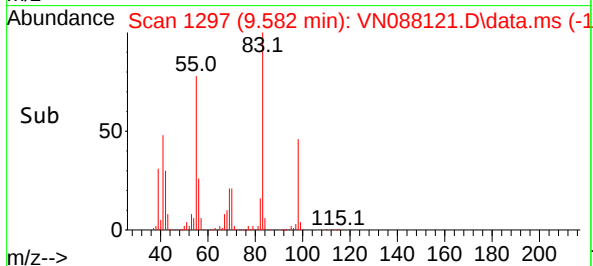
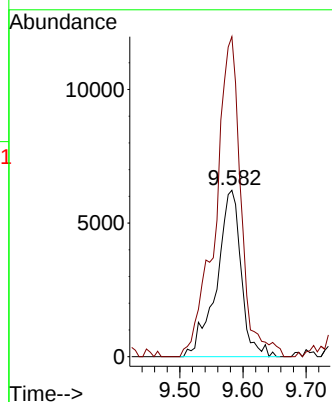
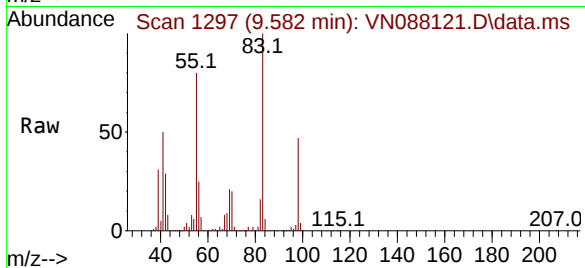
TWP2

Tgt Ion: 63 Resp: 16778

Ion Ratio Lower Upper

63 100

65 192.3 25.0 37.4#



#47

Bromodichloromethane

Concen: 5.114 ug/l

RT: 9.853 min Scan# 1343

Delta R.T. -0.018 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

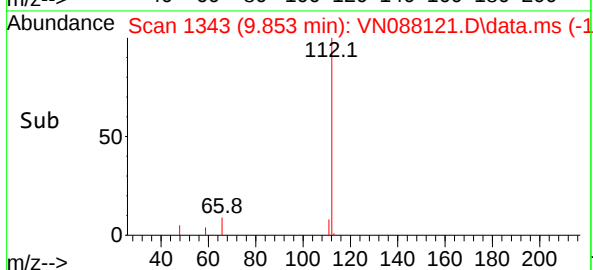
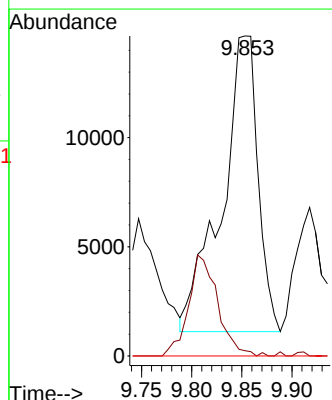
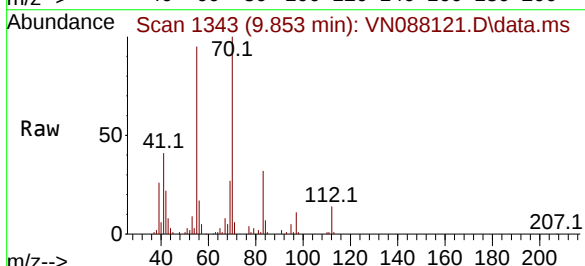
Tgt Ion: 83 Resp: 34093

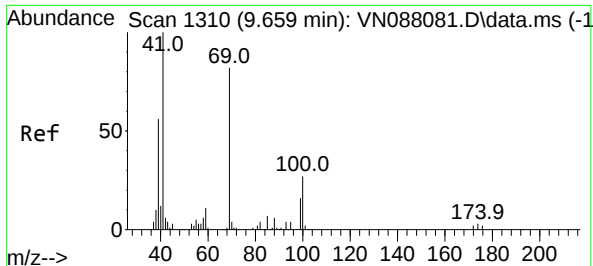
Ion Ratio Lower Upper

83 100

85 0.4 52.5 78.7#

127 0.0 5.8 8.6#





#48

Methyl methacrylate

Concen: 129.246 ug/l

RT: 9.576 min Scan# 1296

Delta R.T. -0.088 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

Instrument :

MSVOA_N

ClientSampleId :

TWP2

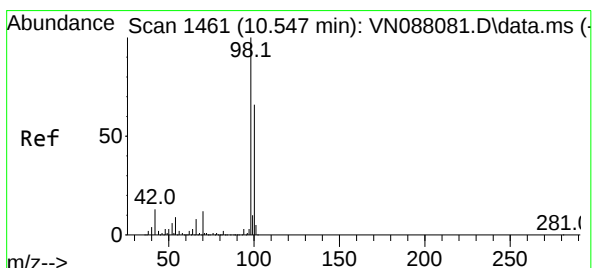
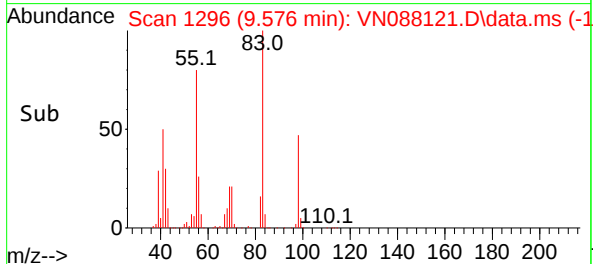
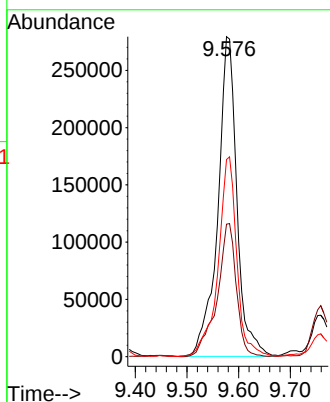
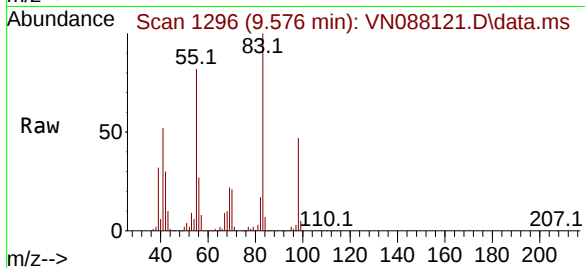
Tgt Ion: 41 Resp: 718517

Ion Ratio Lower Upper

41 100

69 41.8 62.7 94.1#

39 61.0 52.9 79.3



#50

Toluene-d8

Concen: 49.244 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088121.D

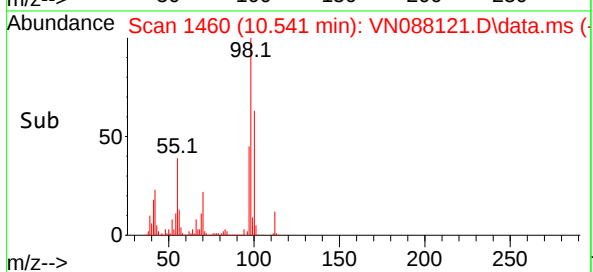
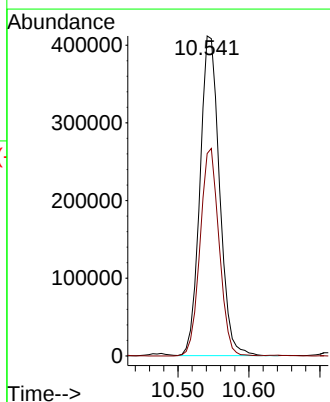
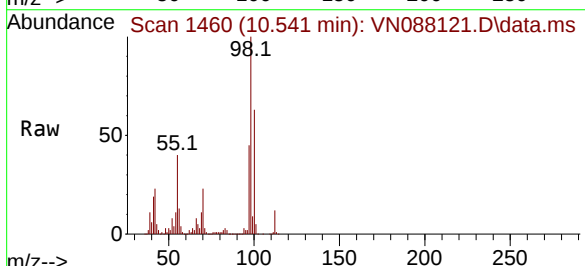
Acq: 27 Oct 2025 17:39

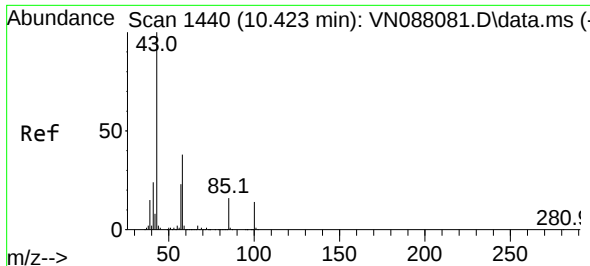
Tgt Ion: 98 Resp: 789126

Ion Ratio Lower Upper

98 100

100 62.9 52.8 79.2

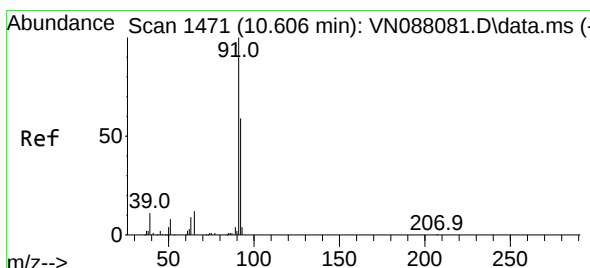
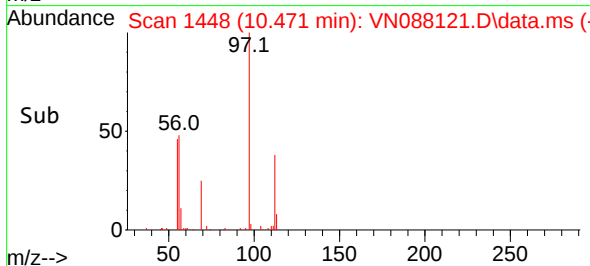
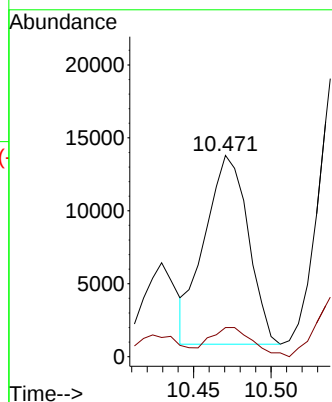
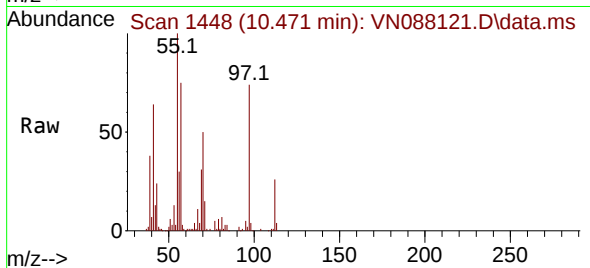




#51
4-Methyl-2-Pentanone
Concen: 3.551 ug/l
RT: 10.471 min Scan# 1448
Delta R.T. 0.047 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

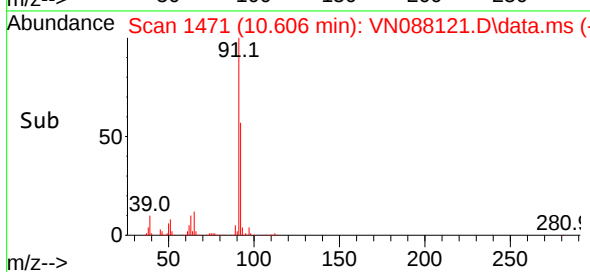
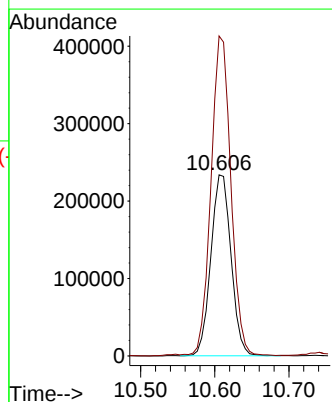
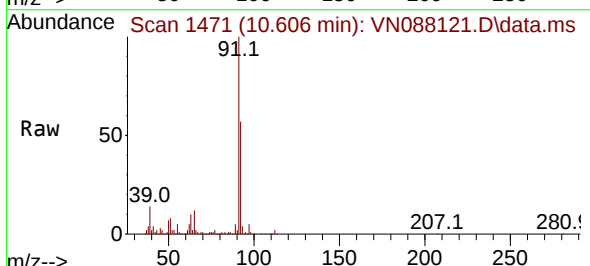
Instrument :
MSVOA_N
ClientSampleId :
TWP2

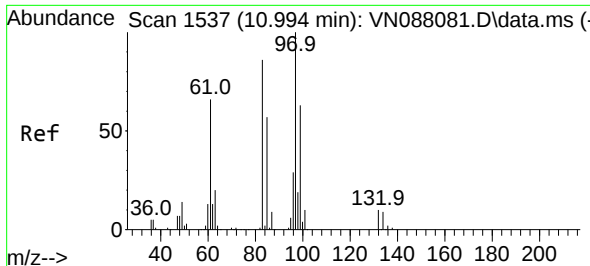
Tgt Ion: 43 Resp: 25297
Ion Ratio Lower Upper
43 100
58 14.7 29.6 44.4#



#52
Toluene
Concen: 38.637 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 92 Resp: 440530
Ion Ratio Lower Upper
92 100
91 174.2 140.4 210.6

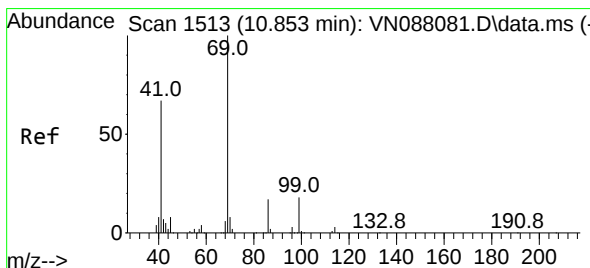
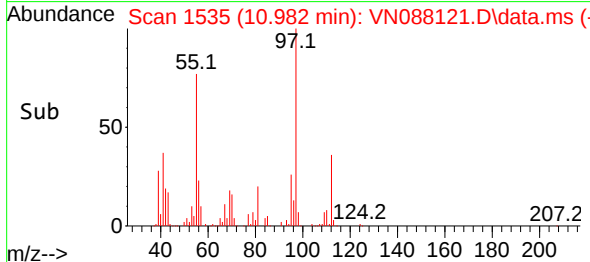
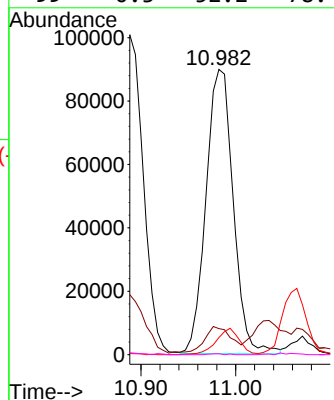
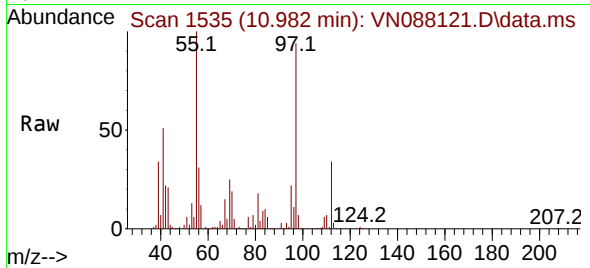




#55
1,1,2-Trichloroethane
Concen: 41.520 ug/l
RT: 10.982 min Scan# 1510
Delta R.T. -0.012 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

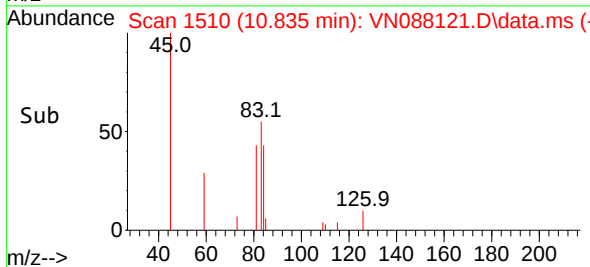
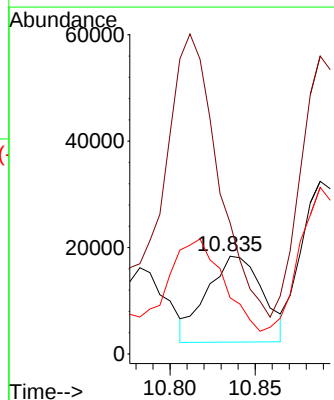
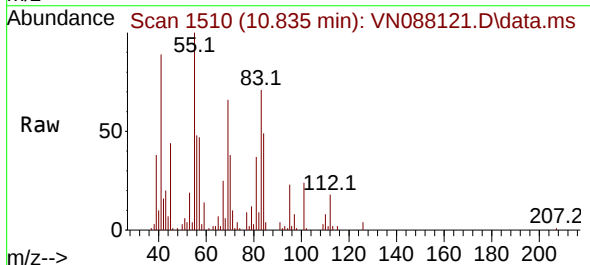
Instrument :
MSVOA_N
ClientSampleId :
TWP2

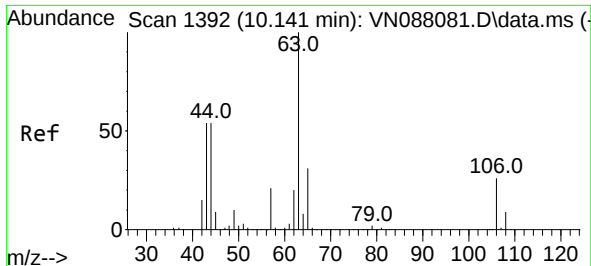
Tgt Ion: 97 Resp: 179605
Ion Ratio Lower Upper
97 100
83 8.3 68.2 102.4#
85 6.0 45.5 68.3#
99 0.3 52.2 78.4#



#56
Ethyl methacrylate
Concen: 5.343 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.018 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 69 Resp: 36577
Ion Ratio Lower Upper
69 100
41 0.0 56.5 84.7#
39 0.0 34.2 51.4#

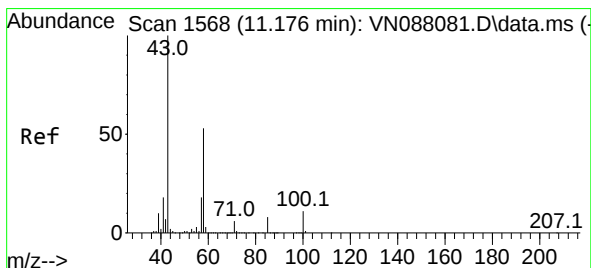
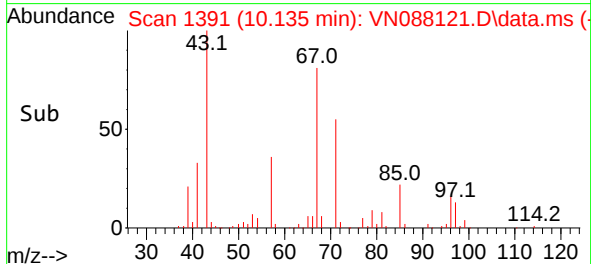
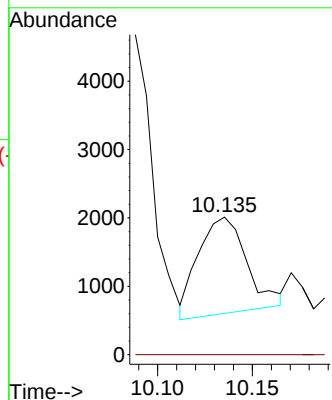
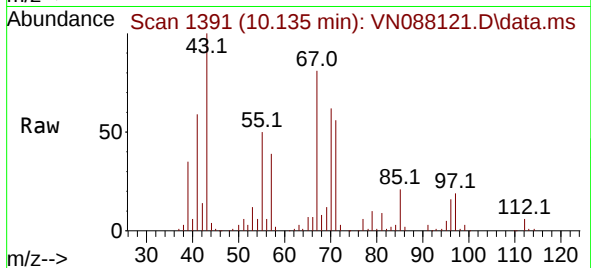




#58
2-Chloroethyl Vinyl ether
Concen: 0.710 ug/l
RT: 10.135 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

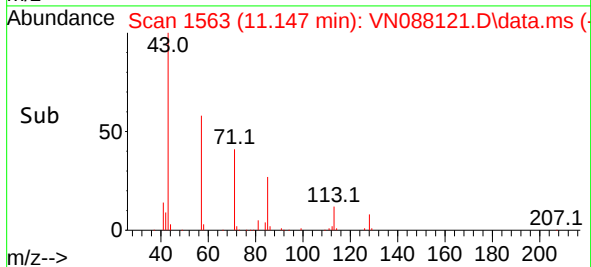
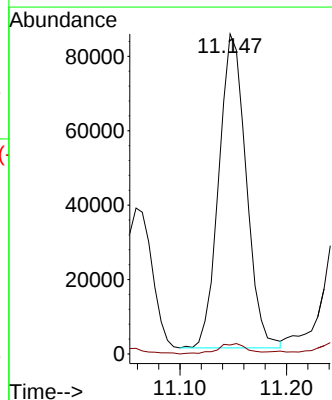
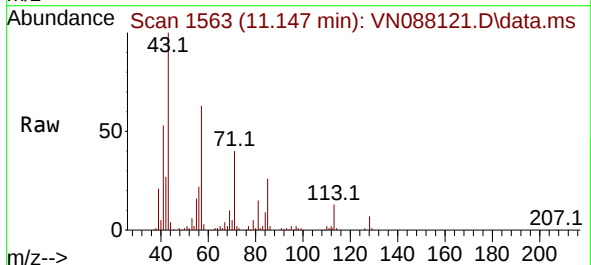
Instrument :
MSVOA_N
ClientSampleId :
TWP2

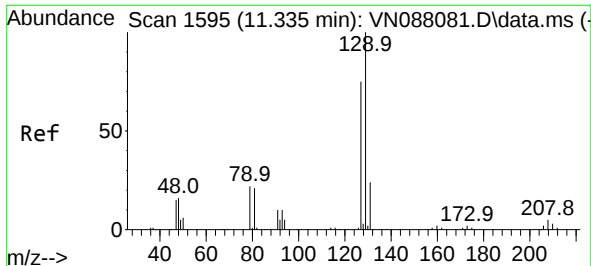
Tgt Ion: 63 Resp: 2527
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#



#59
2-Hexanone
Concen: 31.843 ug/l
RT: 11.147 min Scan# 1563
Delta R.T. -0.030 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 43 Resp: 150477
Ion Ratio Lower Upper
43 100
58 3.5 25.9 77.8#

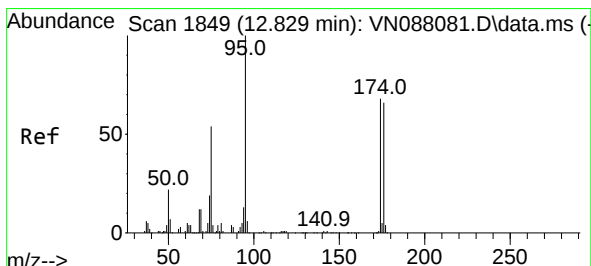
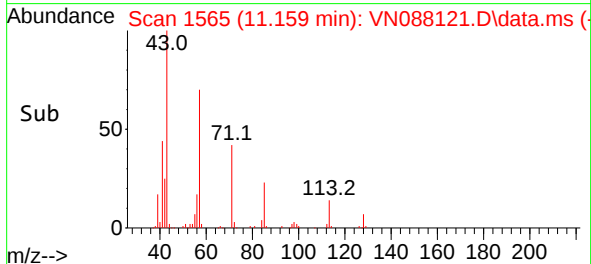
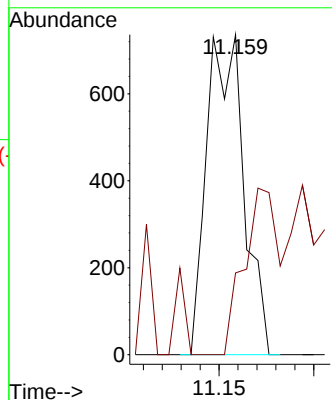
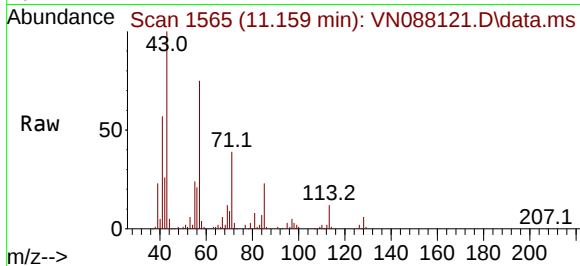




#60
Dibromochloromethane
Concen: 0.203 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.177 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

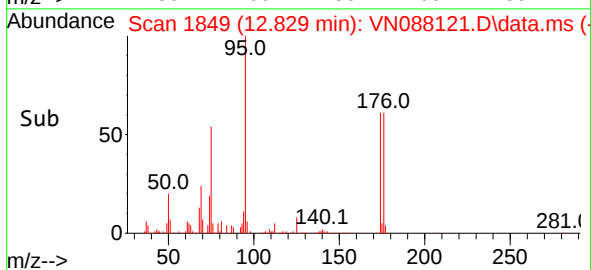
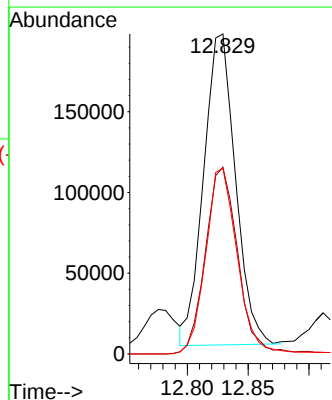
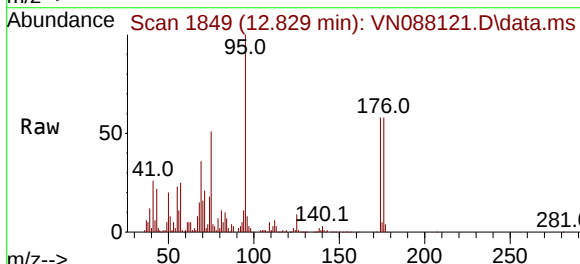
Instrument :
MSVOA_N
ClientSampleId :
TWP2

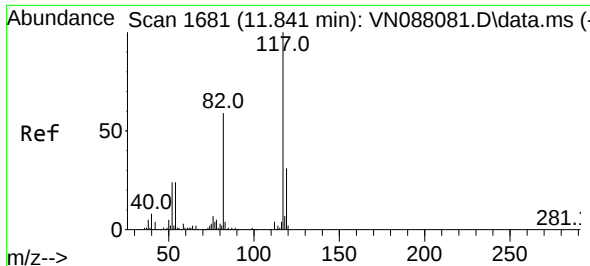
Tgt Ion:129 Resp: 999
Ion Ratio Lower Upper
129 100
127 47.5 39.1 117.3



#62
4-Bromofluorobenzene
Concen: 61.868 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 95 Resp: 350129
Ion Ratio Lower Upper
95 100
174 61.8 0.0 138.4
176 59.9 0.0 132.6

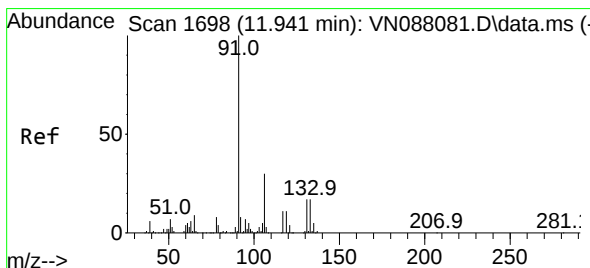
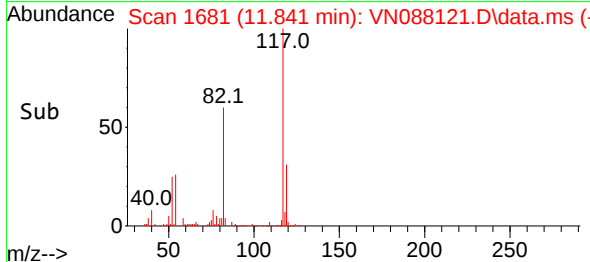
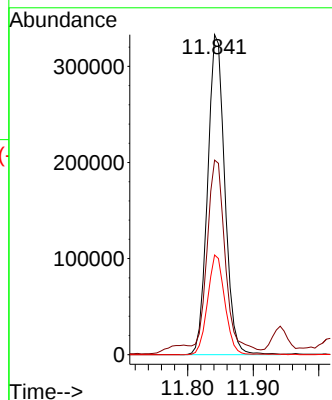
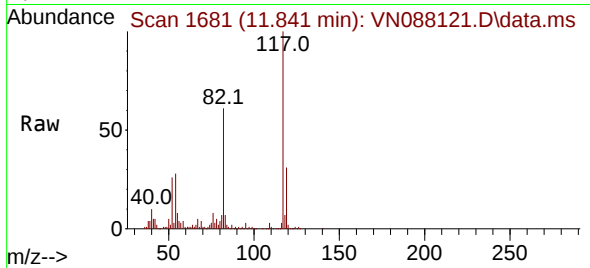




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

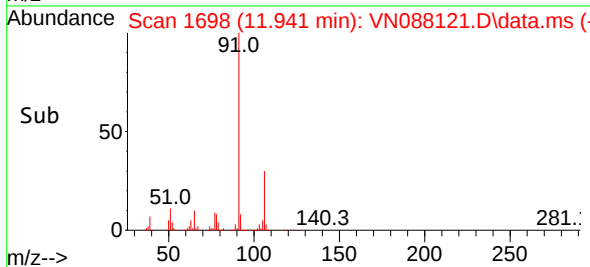
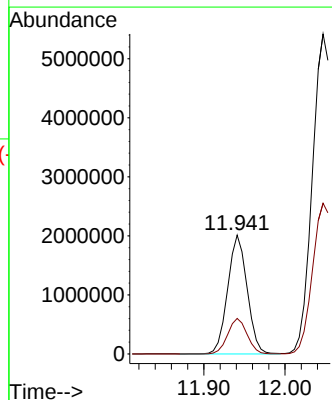
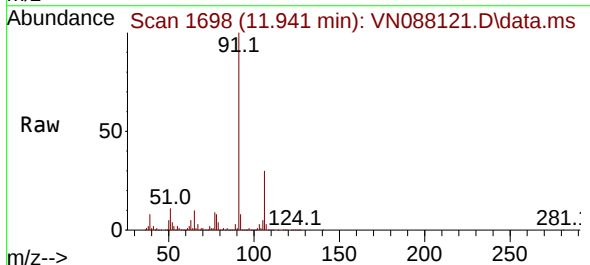
Instrument :
MSVOA_N
ClientSampleId :
TWP2

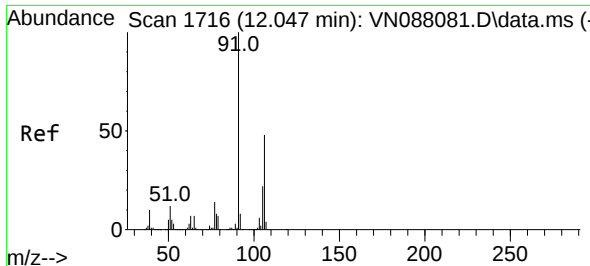
Tgt Ion:117 Resp: 604894
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 31.2 24.3 36.5



#67
Ethyl Benzene
Concen: 138.740 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 91 Resp: 3344973
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1

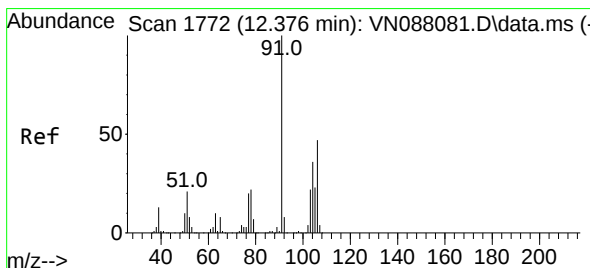
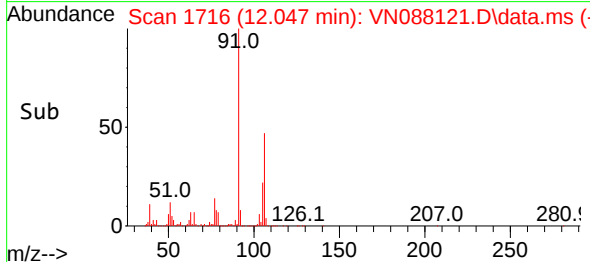
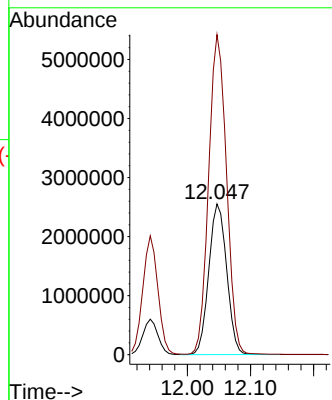
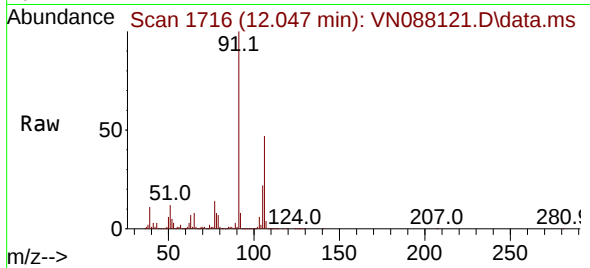




#68
m/p-Xylenes
Concen: 556.006 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

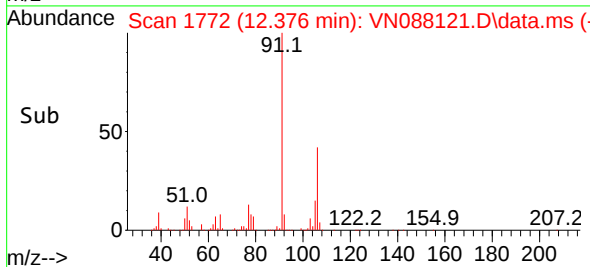
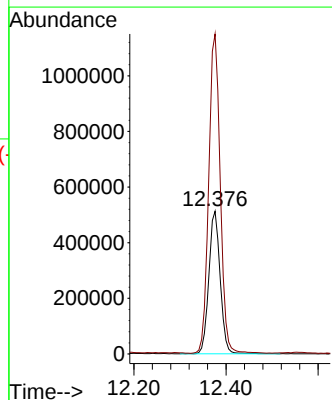
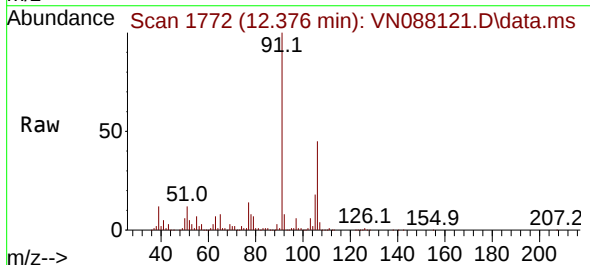
Instrument :
MSVOA_N
ClientSampleId :
TWP2

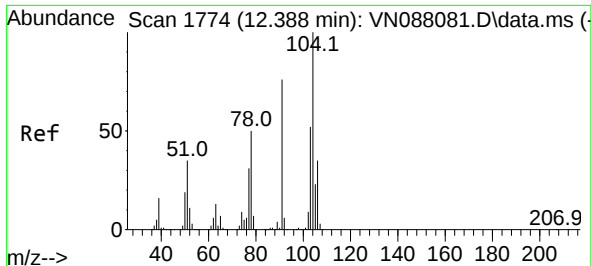
Tgt Ion:106 Resp: 5022656
Ion Ratio Lower Upper
106 100
91 212.2 169.3 253.9



#69
o-Xylene
Concen: 102.696 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:106 Resp: 879431
Ion Ratio Lower Upper
106 100
91 227.4 111.4 334.2

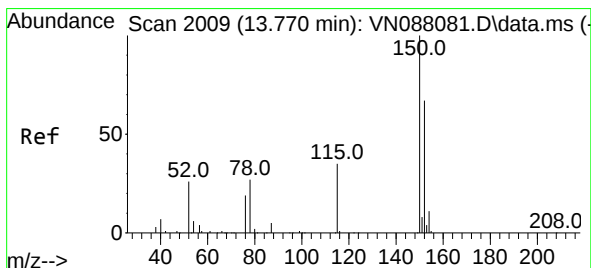
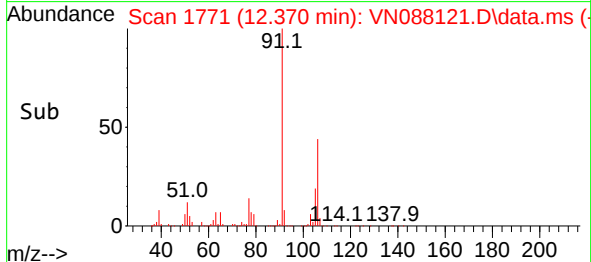
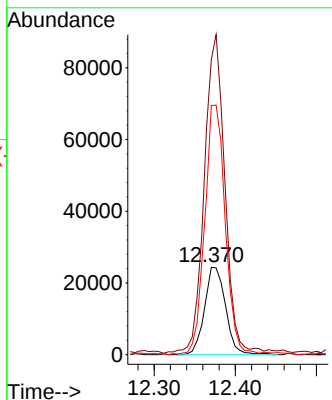
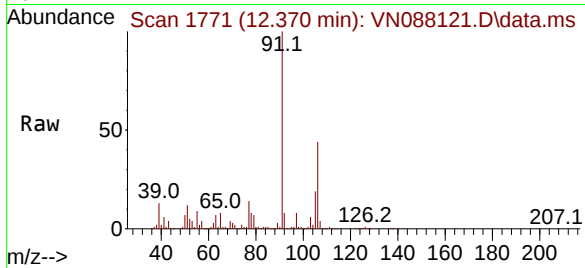




#70
Styrene
Concen: 3.136 ug/l
RT: 12.370 min Scan# 1
Delta R.T. -0.018 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

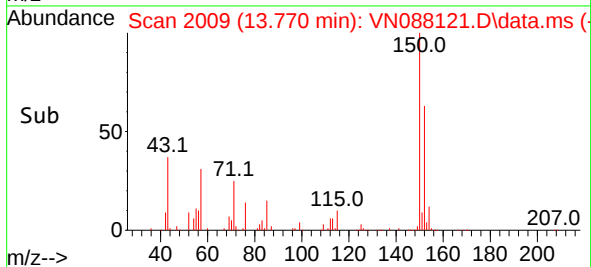
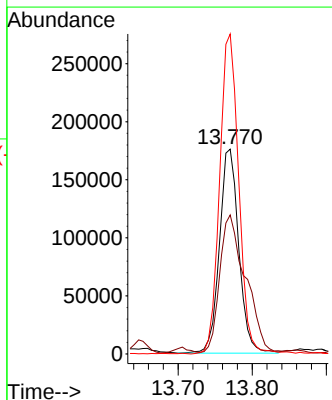
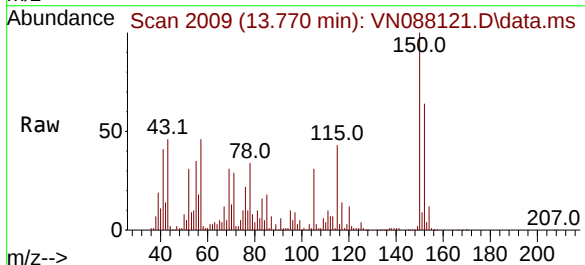
Instrument :
MSVOA_N
ClientSampleId :
TWP2

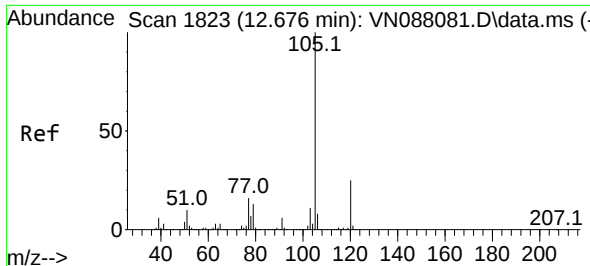
Tgt Ion:104 Resp: 43788
Ion Ratio Lower Upper
104 100
78 358.5 42.2 63.2#
103 279.7 43.4 65.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:152 Resp: 319105
Ion Ratio Lower Upper
152 100
115 89.2 32.3 96.8
150 155.1 0.0 351.0

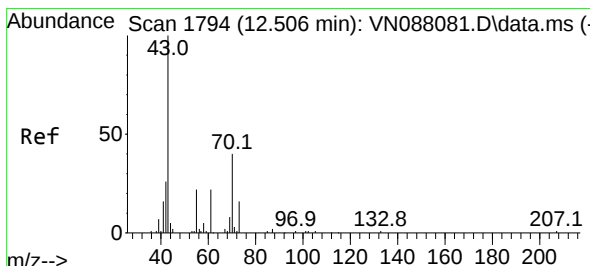
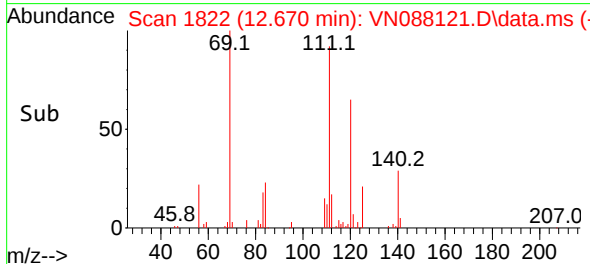
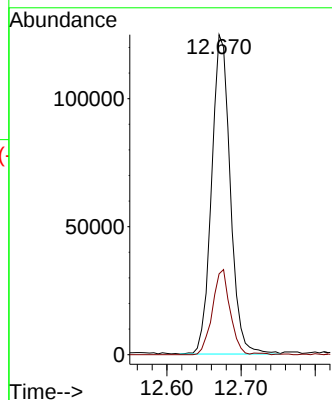
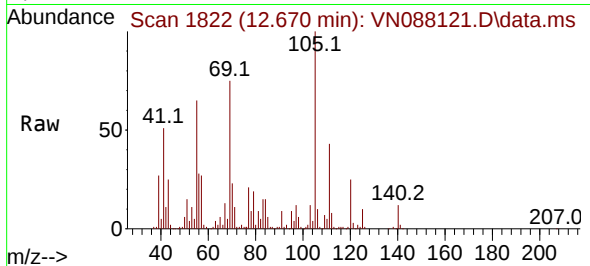




#73
Isopropylbenzene
Concen: 8.867 ug/l
RT: 12.670 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

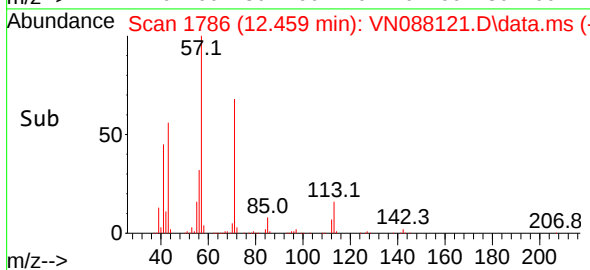
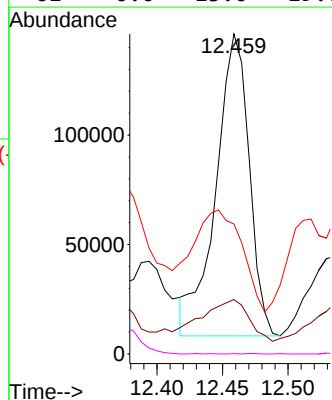
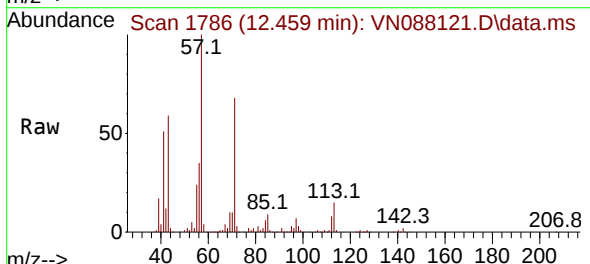
Instrument :
MSVOA_N
ClientSampleId :
TWP2

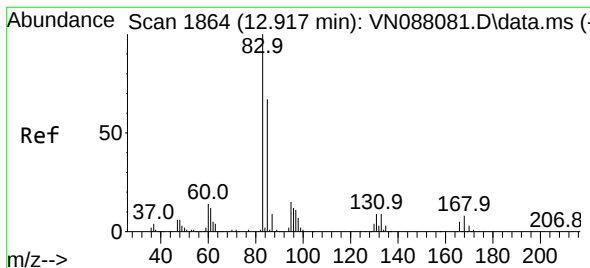
Tgt Ion:105 Resp: 218240
Ion Ratio Lower Upper
105 100
120 25.1 12.8 38.3



#74
N-ethyl acetate
Concen: 34.857 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.041 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 43 Resp: 243535
Ion Ratio Lower Upper
43 100
70 19.8 27.6 41.4#
55 51.3 13.0 19.6#
61 0.0 13.0 19.6#

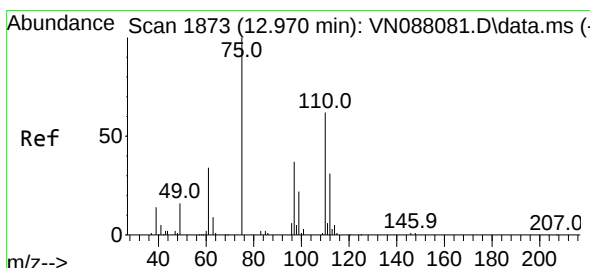
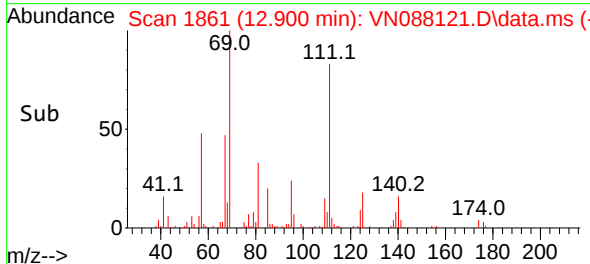
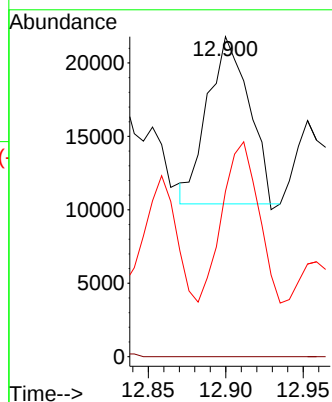
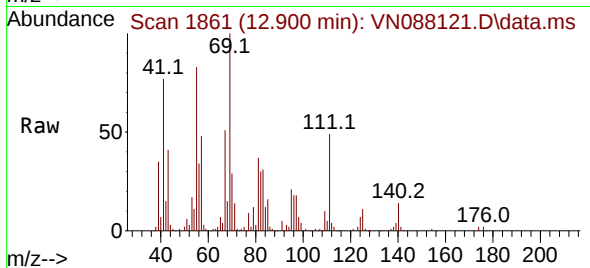




#75
1,1,2,2-Tetrachloroethane
Concen: 2.748 ug/l
RT: 12.900 min Scan# 1861
Delta R.T. -0.018 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

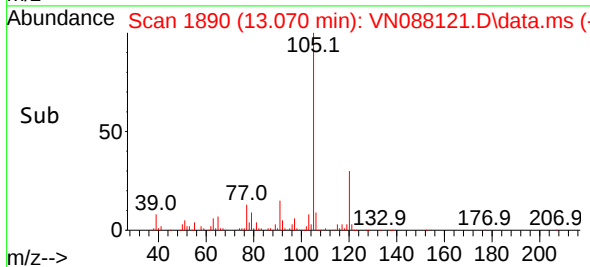
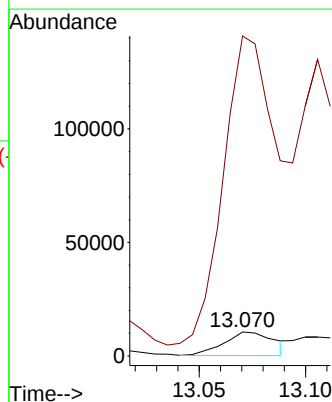
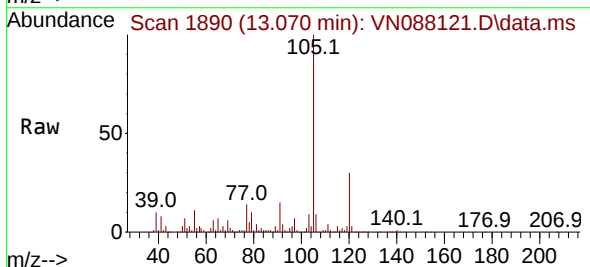
Instrument :
MSVOA_N
ClientSampleId :
TWP2

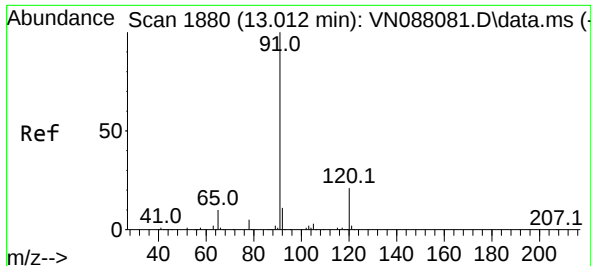
Tgt Ion: 83 Resp: 21055
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 83.5 32.1 96.3



#76
1,2,3-Trichloropropane
Concen: 2.316 ug/l
RT: 13.070 min Scan# 1890
Delta R.T. 0.100 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 75 Resp: 16900
Ion Ratio Lower Upper
75 100
77 1489.7 89.1 267.4#

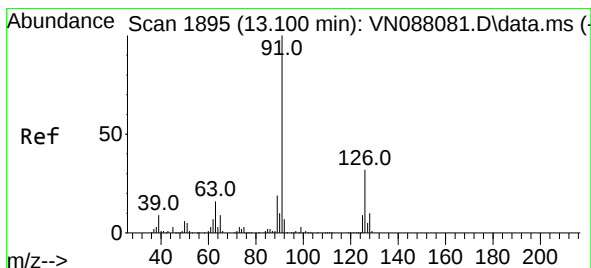
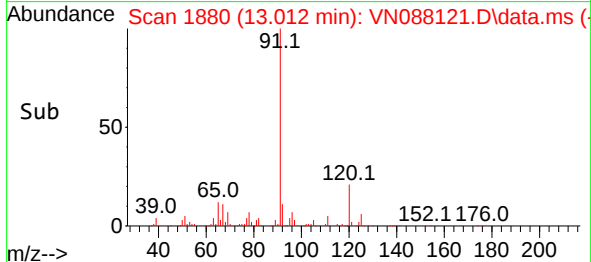
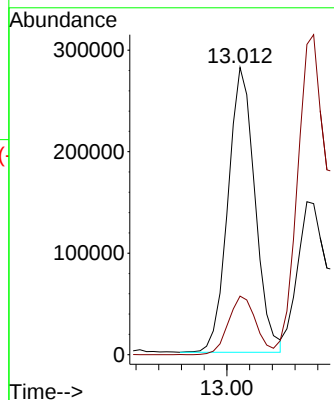
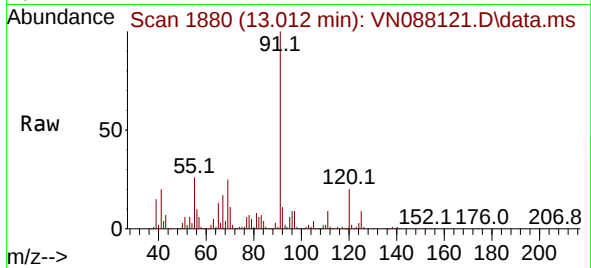




#78
n-propylbenzene
Concen: 15.433 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

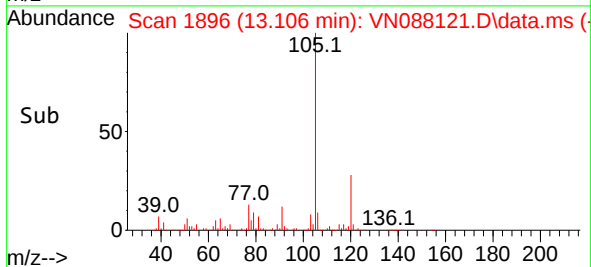
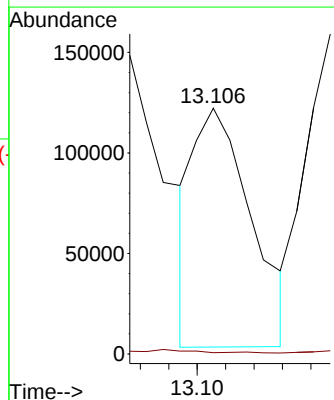
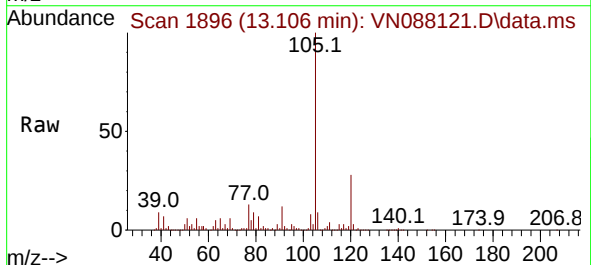
Instrument :
MSVOA_N
ClientSampleId :
TWP2

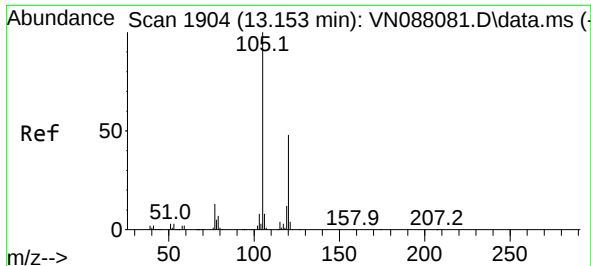
Tgt Ion: 91 Resp: 463514
Ion Ratio Lower Upper
91 100
120 21.0 10.7 32.1



#79
2-Chlorotoluene
Concen: 9.828 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 91 Resp: 168339
Ion Ratio Lower Upper
91 100
126 2.4 16.1 48.3#

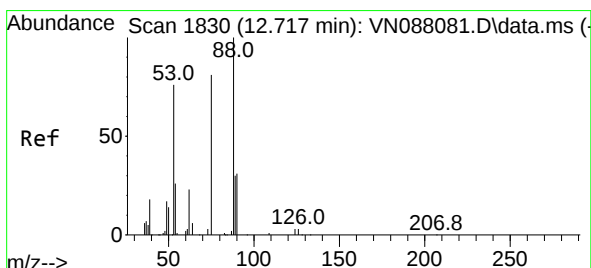
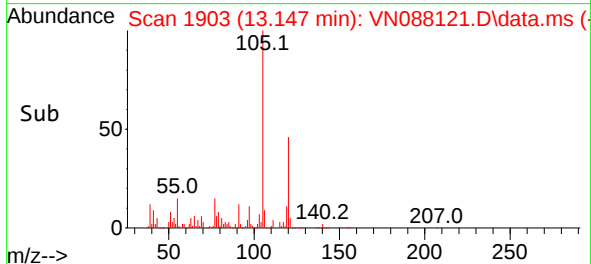
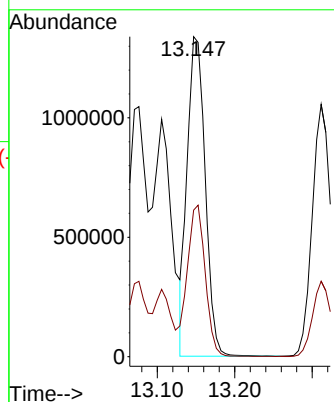
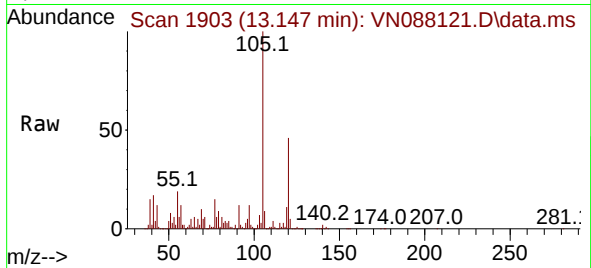




#80
 1,3,5-Trimethylbenzene
 Concen: 105.621 ug/l
 RT: 13.147 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VN088121.D
 Acq: 27 Oct 2025 17:39

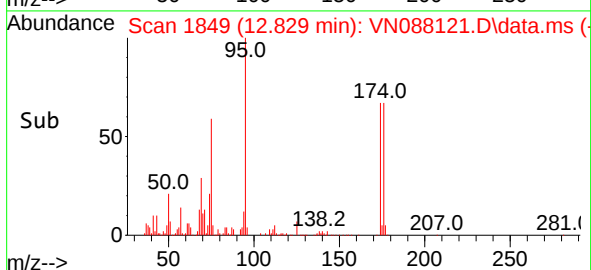
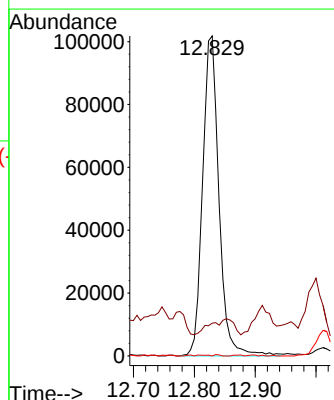
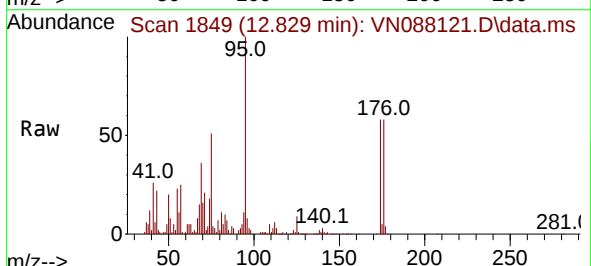
Instrument :
 MSVOA_N
 ClientSampleId :
 TWP2

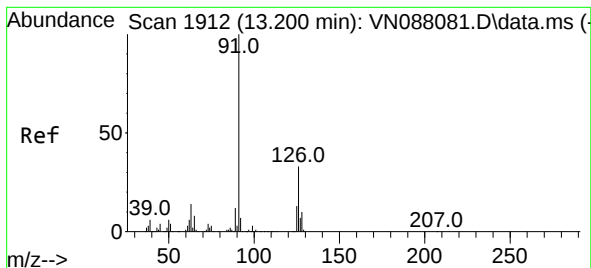
Tgt Ion:105 Resp: 2158921
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.2 69.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.517 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN088121.D
 Acq: 27 Oct 2025 17:39

Tgt Ion: 75 Resp: 189660
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.1 35.6 53.4#

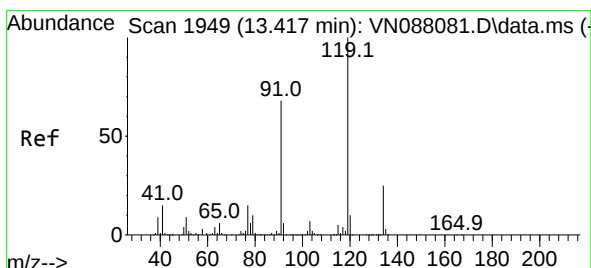
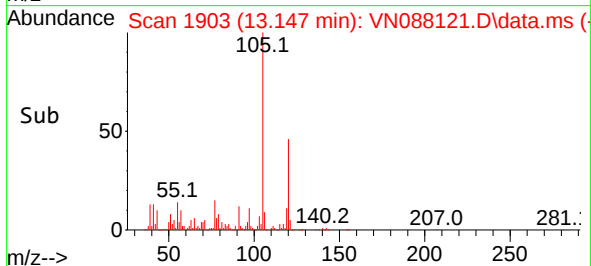
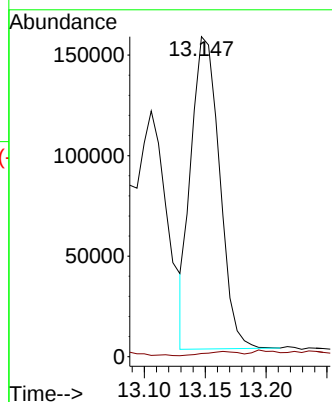
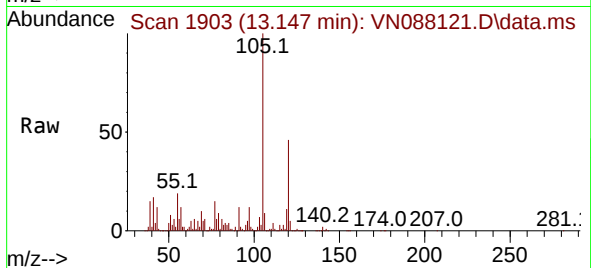




#82
4-Chlorotoluene
Concen: 13.625 ug/l
RT: 13.147 min Scan# 1912
Delta R.T. -0.053 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

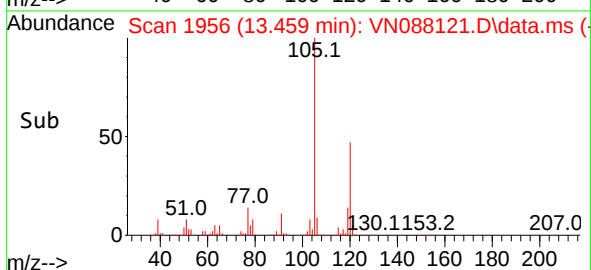
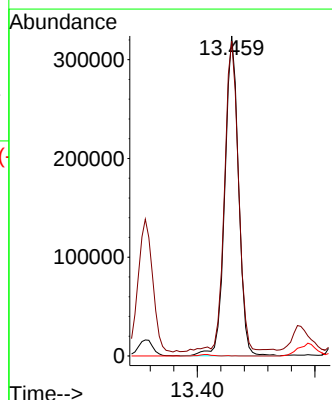
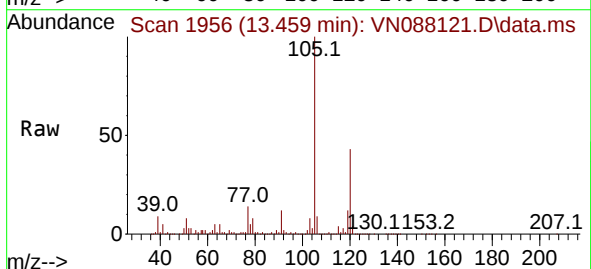
Instrument :
MSVOA_N
ClientSampleId :
TWP2

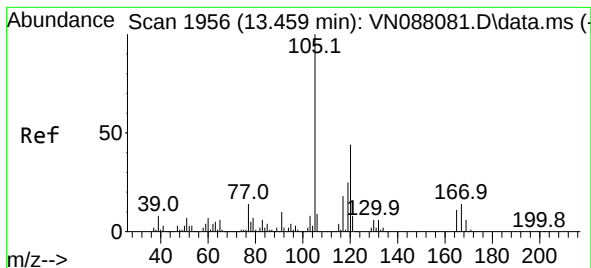
Tgt Ion: 91 Resp: 252484
Ion Ratio Lower Upper
91 100
126 1.9 15.6 46.8#



#83
tert-Butylbenzene
Concen: 28.697 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.041 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 119 Resp: 523979
Ion Ratio Lower Upper
119 100
91 99.2 35.0 105.0
134 0.0 12.6 37.8#





#84

1,2,4-Trimethylbenzene

Concen: 217.133 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

Instrument :

MSVOA_N

ClientSampleId :

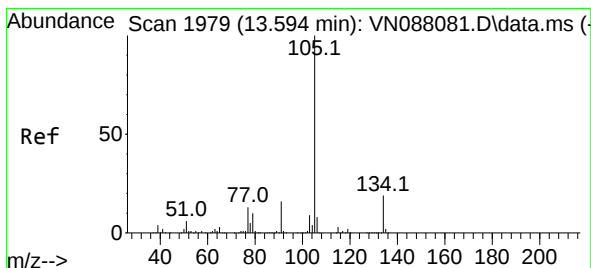
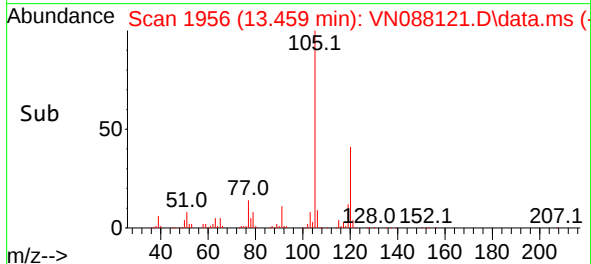
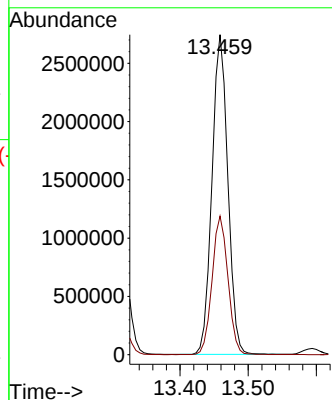
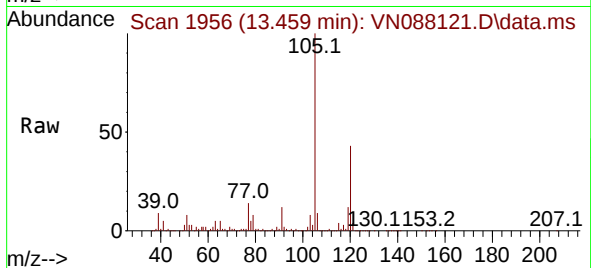
TWP2

Tgt Ion:105 Resp: 4440527

Ion Ratio Lower Upper

105 100

120 43.3 22.0 66.0



#85

sec-Butylbenzene

Concen: 165.527 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.135 min

Lab File: VN088121.D

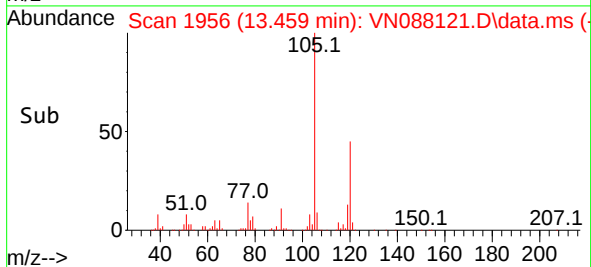
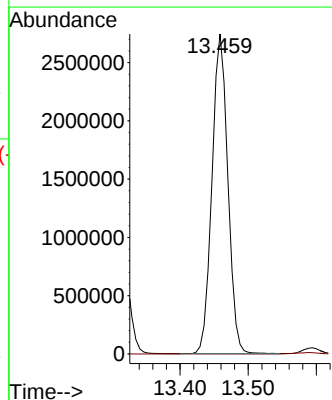
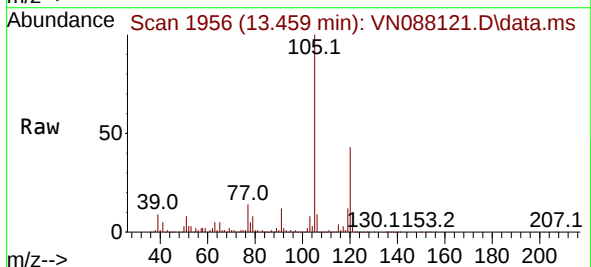
Acq: 27 Oct 2025 17:39

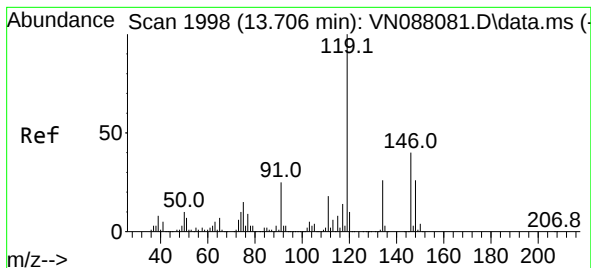
Tgt Ion:105 Resp: 4440527

Ion Ratio Lower Upper

105 100

134 0.0 9.6 28.6#

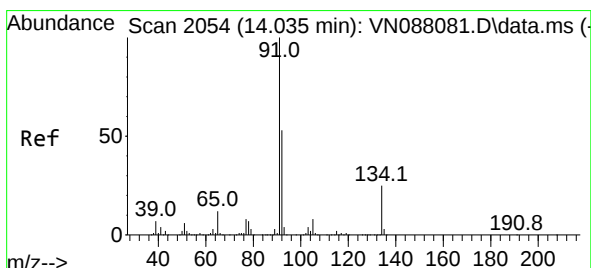
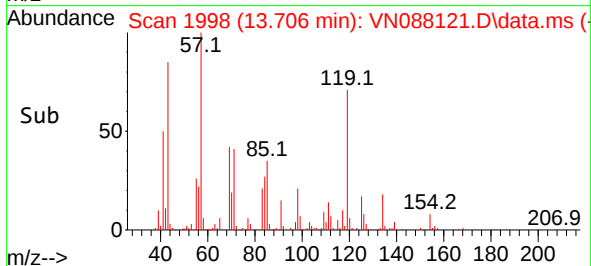
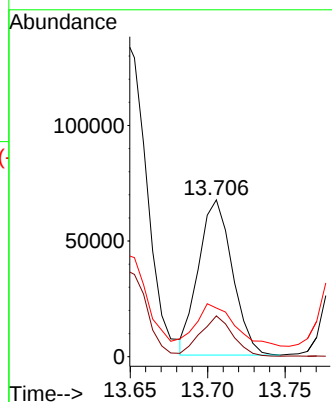
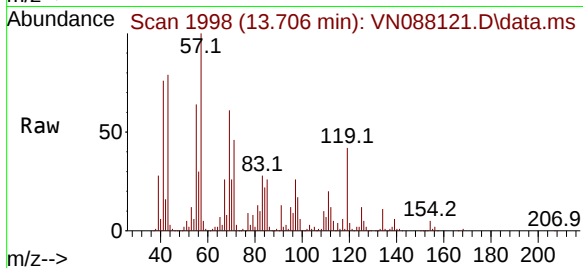




#86
p-Isopropyltoluene
Concen: 4.745 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

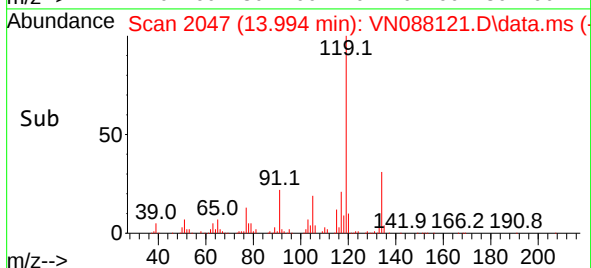
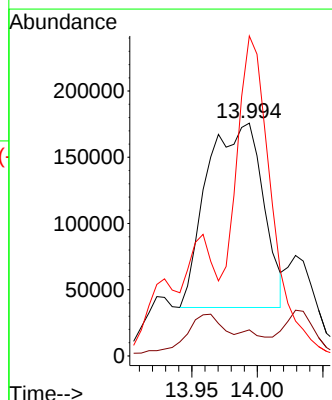
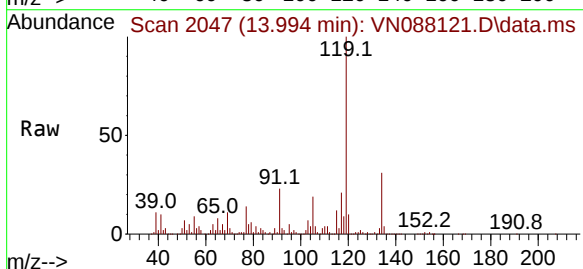
Instrument :
MSVOA_N
ClientSampleId :
TWP2

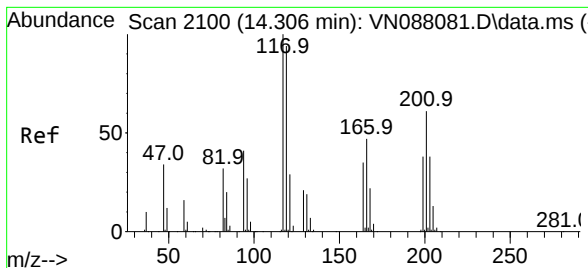
Tgt Ion:119 Resp: 102118
Ion Ratio Lower Upper
119 100
134 24.9 12.7 38.0
91 31.2 12.5 37.5



#89
n-Butylbenzene
Concen: 19.459 ug/l
RT: 13.994 min Scan# 2047
Delta R.T. -0.035 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 91 Resp: 414800
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 109.7 11.7 35.0#





#90

Hexachloroethane

Concen: 22.907 ug/l

RT: 14.306 min Scan# 2100

Delta R.T. -0.006 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

Instrument :

MSVOA_N

ClientSampleId :

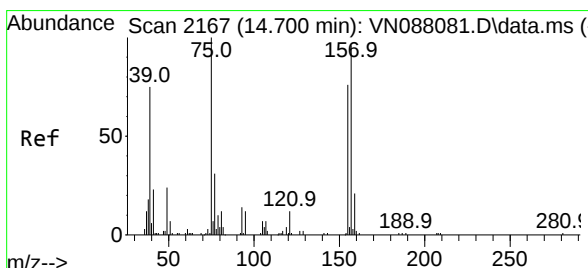
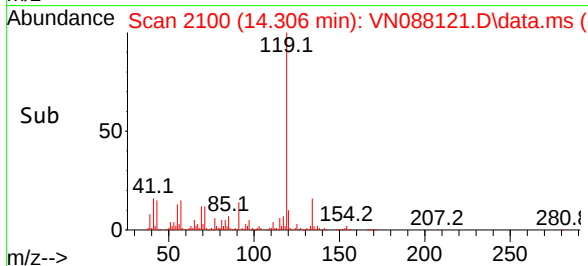
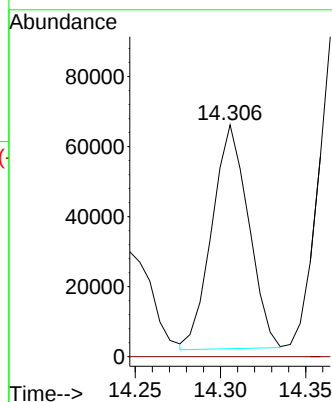
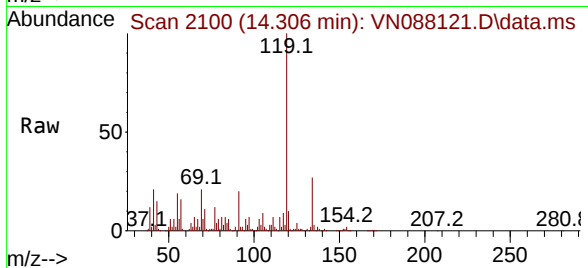
TWP2

Tgt Ion:117 Resp: 95462

Ion Ratio Lower Upper

117 100

201 0.0 29.1 87.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.610 ug/l

RT: 14.706 min Scan# 2168

Delta R.T. 0.006 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

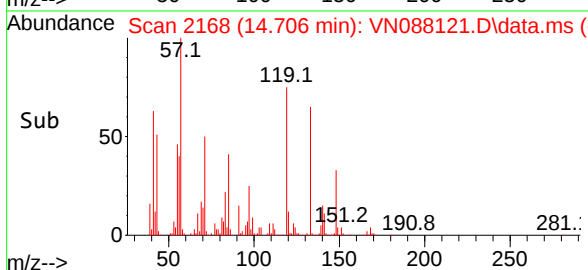
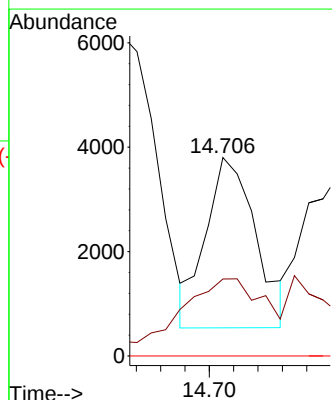
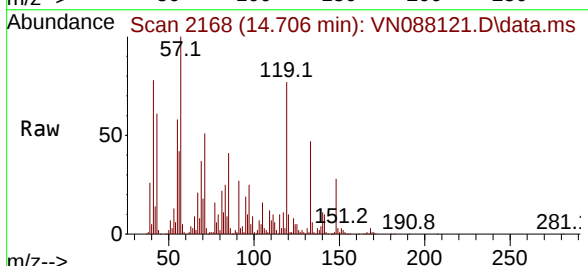
Tgt Ion: 75 Resp: 4654

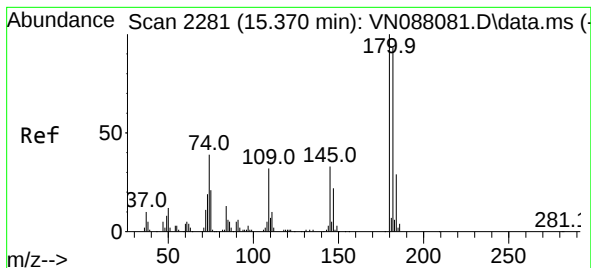
Ion Ratio Lower Upper

75 100

155 57.0 36.6 109.9

157 0.0 45.6 136.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.487 ug/l

RT: 15.370 min Scan# 2281

Delta R.T. 0.006 min

Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

Instrument :

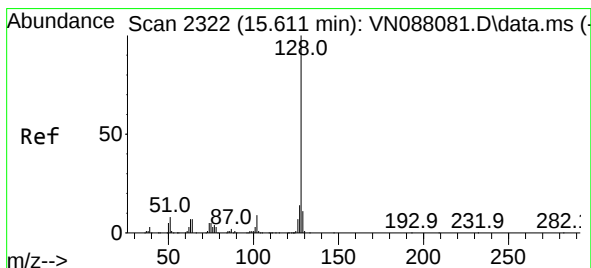
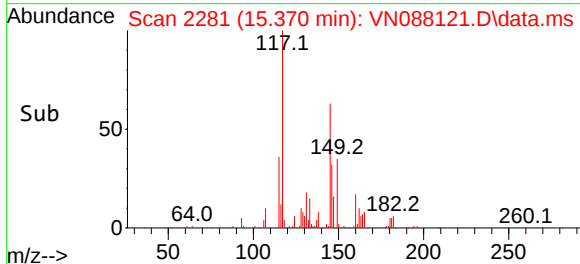
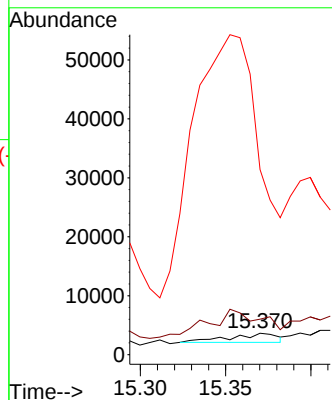
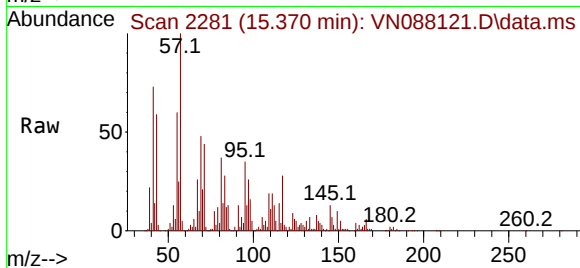
MSVOA_N

ClientSampleId :

TWP2

Tgt Ion:180 Resp: 3014

Ion	Ratio	Lower	Upper
180	100		
182	384.6	47.6	142.9#
145	4011.7	16.5	49.5#



#95

Naphthalene

Concen: 56.451 ug/l

RT: 15.611 min Scan# 2322

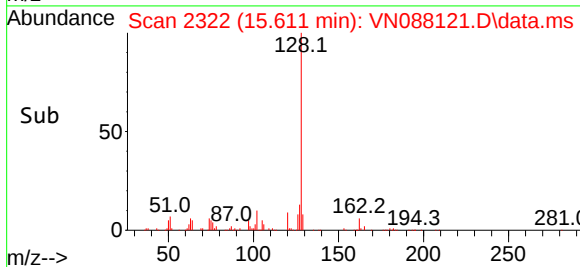
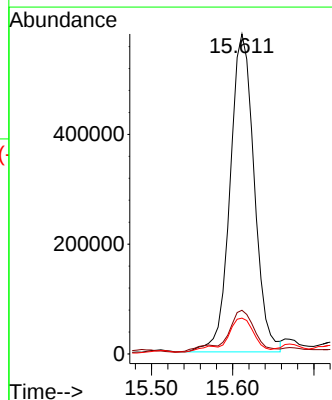
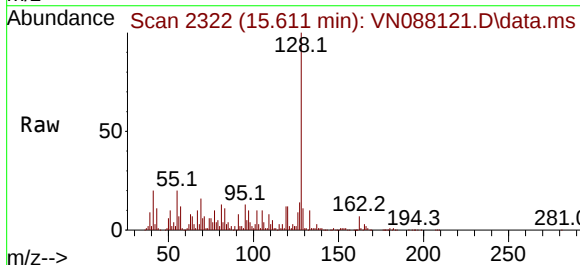
Delta R.T. -0.000 min

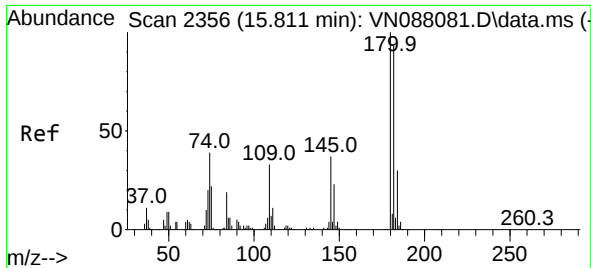
Lab File: VN088121.D

Acq: 27 Oct 2025 17:39

Tgt Ion:128 Resp: 1196110

Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.6	15.8
129	12.1	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 4.496 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.029 min
 Lab File: VN088121.D
 Acq: 27 Oct 2025 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP2

Tgt Ion:180 Resp: 26664
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.8 140.3#
 145 0.0 17.3 52.0#

