

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
 Data File : VN087673.D
 Acq On : 26 Aug 2025 16:24
 Operator : JC\MD
 Sample : Q2963-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1

Quant Time: Aug 27 01:50:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	169690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	395130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	362382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	170909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	186015	53.503	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.000%
35) Dibromofluoromethane	8.153	113	140517	49.255	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.520%
50) Toluene-d8	10.547	98	525224	49.189	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.380%
62) 4-Bromofluorobenzene	12.823	95	181887	47.899	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.800%
Target Compounds						Qvalue
3) Chloromethane	2.389	50	866	0.350	ug/l #	63
5) Bromomethane	3.012	94	836	0.564	ug/l #	3
10) Methyl Iodide	4.595	142	308	6.960	ug/l #	90
13) Acrolein	4.183	56	578	0.779	ug/l #	14
15) Acrylonitrile	5.718	53	515	0.303	ug/l #	60
16) Acetone	4.412	43	8844	4.673	ug/l #	89
17) Carbon Disulfide	4.700	76	1470	0.218	ug/l #	74
19) Methyl tert-butyl Ether	5.789	73	2376	0.259	ug/l #	1
20) Methylene Chloride	5.265	84	785	Below Cal	#	44
21) trans-1,2-Dichloroethene	5.765	96	849	0.320	ug/l #	7
25) 2-Butanone	7.488	43	2544	1.022	ug/l	93
27) cis-1,2-Dichloroethene	7.471	96	1467	0.463	ug/l	18
29) Tetrahydrofuran	7.818	42	519	0.324	ug/l #	48
30) Chloroform	7.947	83	40149	7.499	ug/l	86
31) Cyclohexane	8.236	56	59700	13.652	ug/l	96
36) 1,1-Dichloropropene	8.200	75	17355	3.965	ug/l #	51
38) Carbon Tetrachloride	8.206	117	19745	4.569	ug/l #	13
39) Methylcyclohexane	9.577	83	31178	6.471	ug/l #	90
40) Benzene	8.588	78	263172	19.605	ug/l	97
43) Isopropyl Acetate	8.683	43	5672	0.607	ug/l #	58
47) Bromodichloromethane	9.859	83	2706	0.524	ug/l #	23
48) Methyl methacrylate	9.577	41	26491	5.998	ug/l #	61
51) 4-Methyl-2-Pentanone	10.429	43	1756	0.312	ug/l #	56
52) Toluene	10.612	92	10147	1.219	ug/l	87
55) 1,1,2-Trichloroethane	10.982	97	16195	5.031	ug/l #	20
58) 2-Chloroethyl Vinyl ether	10.135	63	667	0.240	ug/l #	49
60) Dibromochloromethane	11.088	129	1289	0.346	ug/l #	10
64) Tetrachloroethene	11.076	164	1220	0.485	ug/l #	77
67) Ethyl Benzene	11.947	91	21954	1.406	ug/l	100
68) m/p-Xylenes	12.053	106	24572	4.292	ug/l	97
69) o-Xylene	12.371	106	2091	0.373	ug/l	53
71) Bromoform	12.818	173	1640	0.714	ug/l #	1
73) Isopropylbenzene	12.671	105	74724	5.411	ug/l	98
76) 1,2,3-Trichloropropane	12.829	75	101612	25.353	ug/l #	1
78) n-propylbenzene	13.012	91	127506	7.495	ug/l	95
79) 2-Chlorotoluene	13.012	91	127506	12.455	ug/l #	42

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Quant Time: Aug 27 01:50:26 2025
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 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

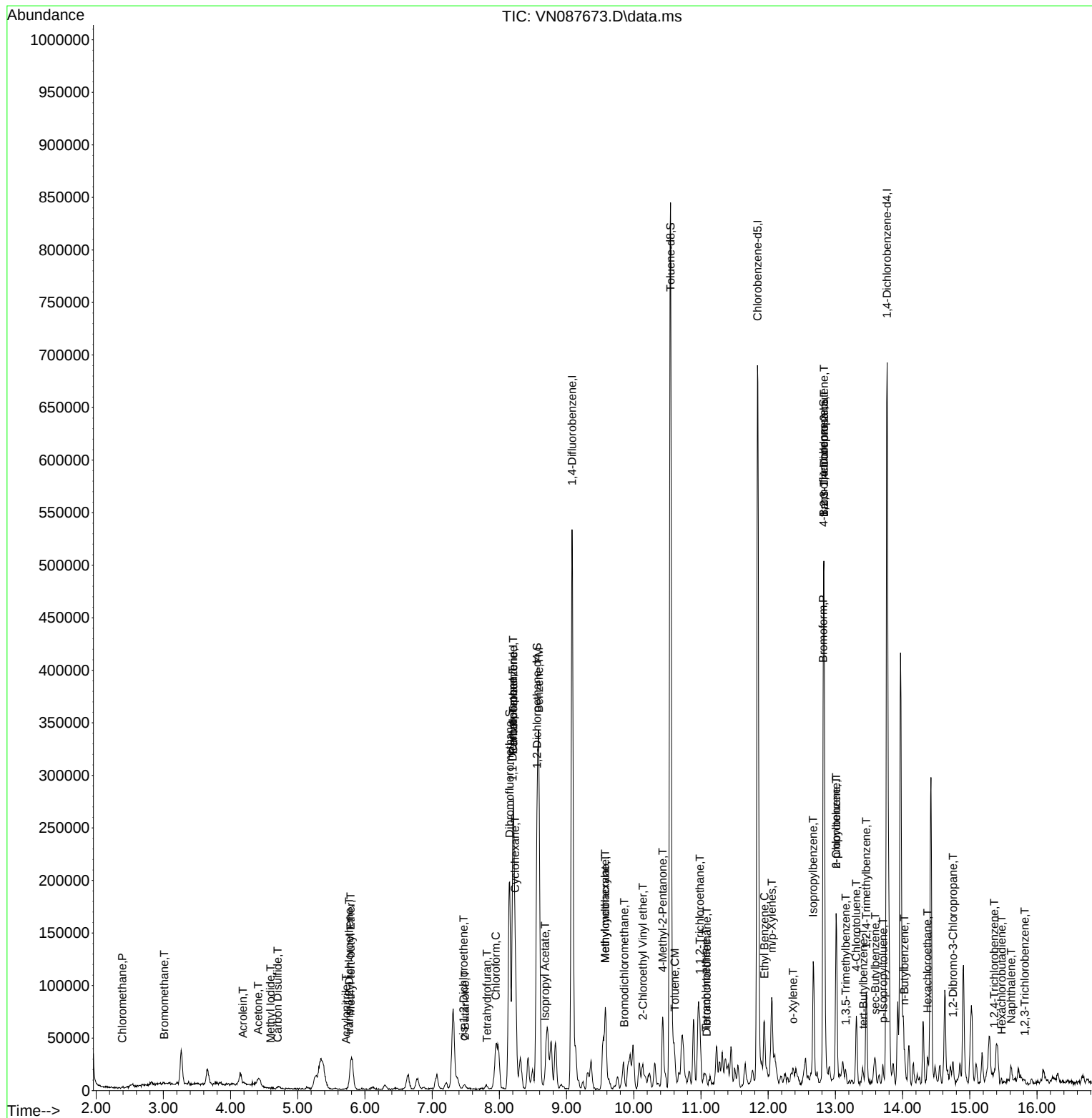
80) 1,3,5-Trimethylbenzene	13.153	105	5909	0.504	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.829	75	101612	67.119	ug/l #	1
82) 4-Chlorotoluene	13.312	91	6106	0.567	ug/l #	43
83) tert-Butylbenzene	13.418	119	4317	0.442	ug/l	87
84) 1,2,4-Trimethylbenzene	13.459	105	48284	4.117	ug/l	98
85) sec-Butylbenzene	13.594	105	16652	1.149	ug/l #	77
86) p-Isopropyltoluene	13.712	119	7468	0.624	ug/l	99
89) n-Butylbenzene	14.029	91	16174	1.361	ug/l #	72
90) Hexachloroethane	14.370	117	9967	4.373	ug/l #	22
92) 1,2-Dibromo-3-Chloropr...	14.753	75	256	0.227	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.364	180	1478	0.405	ug/l #	13
94) Hexachlorobutadiene	15.476	225	484	0.372	ug/l #	69
95) Naphthalene	15.617	128	16159	1.249	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.817	180	1442	0.404	ug/l #	80

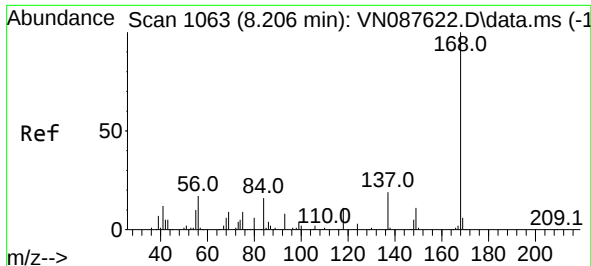
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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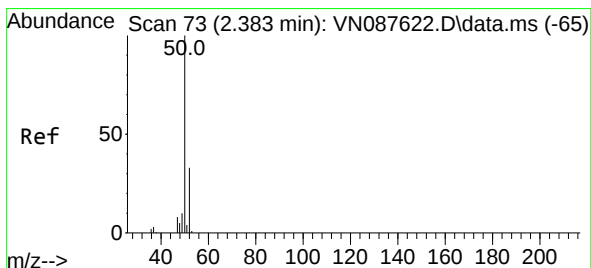
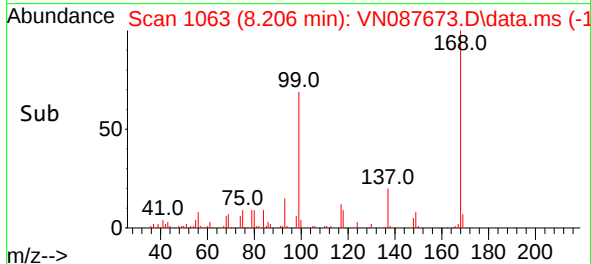
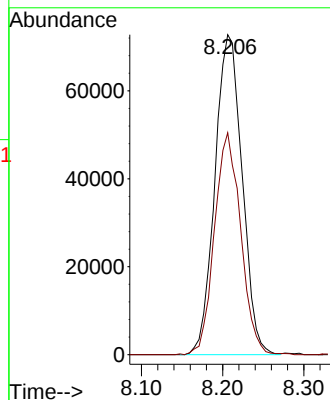
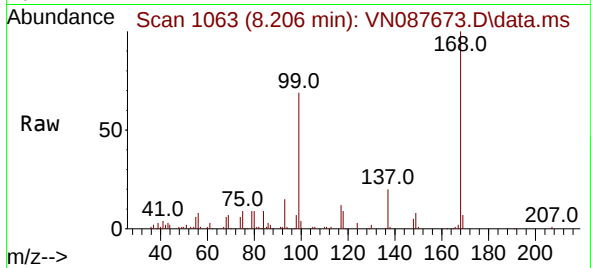




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

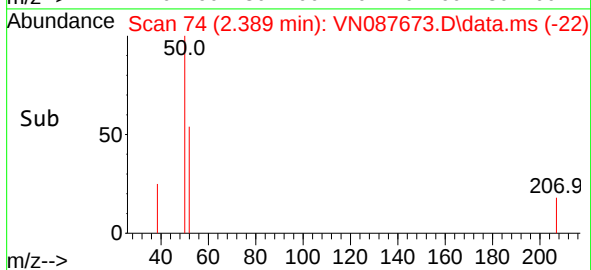
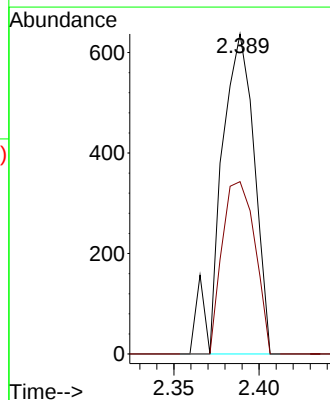
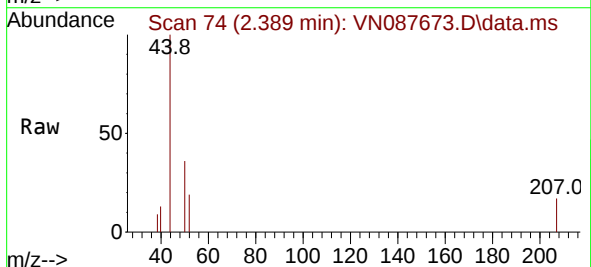
Instrument :
MSVOA_N
ClientSampleId :
MW1

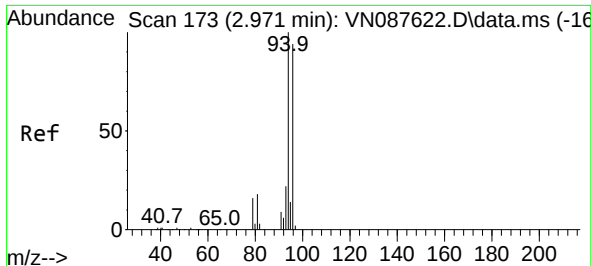
Tgt Ion:168 Resp: 169690
Ion Ratio Lower Upper
168 100
99 69.1 57.2 85.8



#3
Chloromethane
Concen: 0.350 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 50 Resp: 866
Ion Ratio Lower Upper
50 100
52 53.8 26.2 39.4#

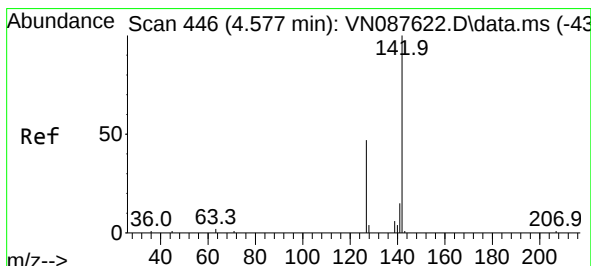
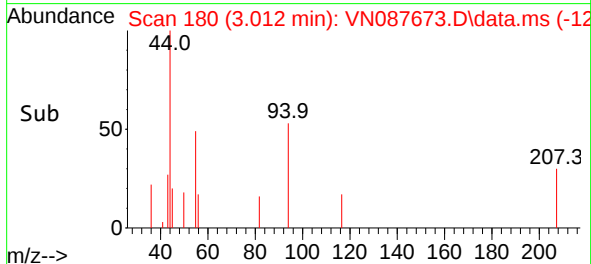
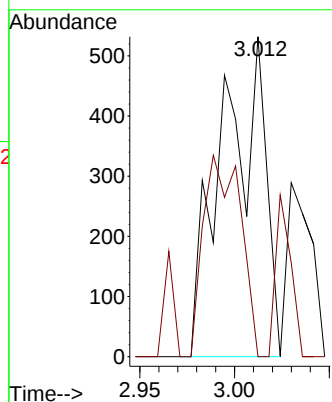
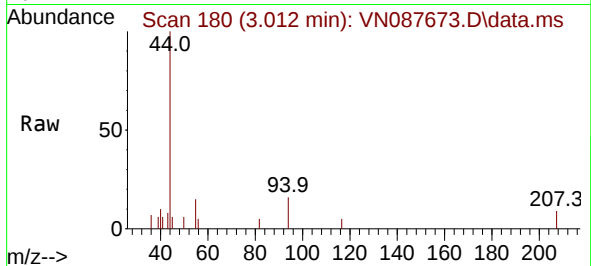




#5
Bromomethane
Concen: 0.564 ug/l
RT: 3.012 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

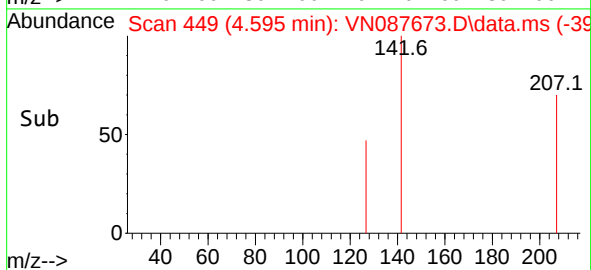
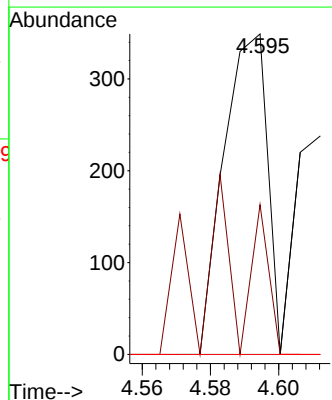
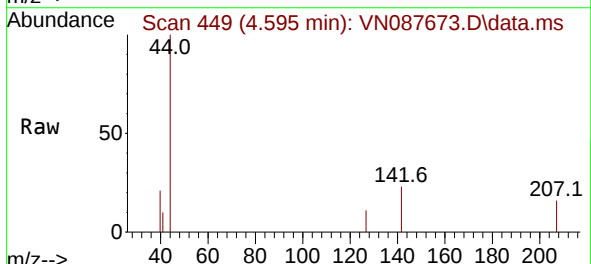
Instrument :
MSVOA_N
ClientSampleId :
MW1

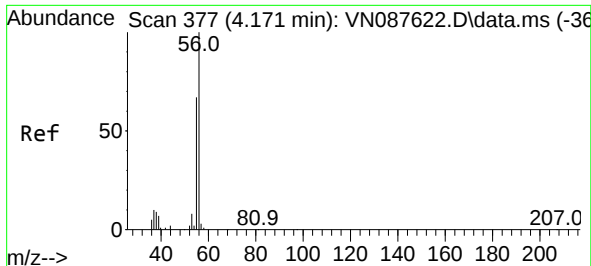
Tgt Ion: 94 Resp: 836
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.2#



#10
Methyl Iodide
Concen: 6.960 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.018 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 142 Resp: 308
Ion Ratio Lower Upper
142 100
127 46.7 38.0 57.0
141 0.0 12.0 18.0#





#13

Acrolein

Concen: 0.779 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

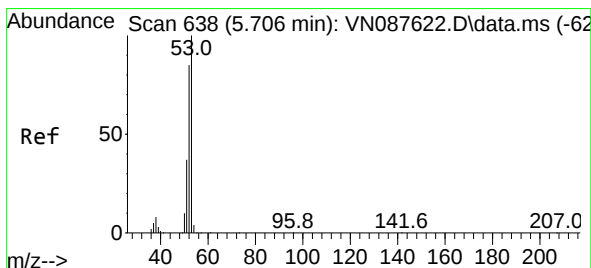
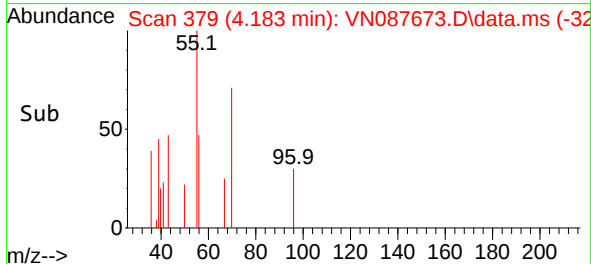
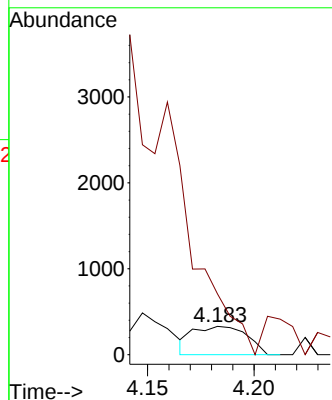
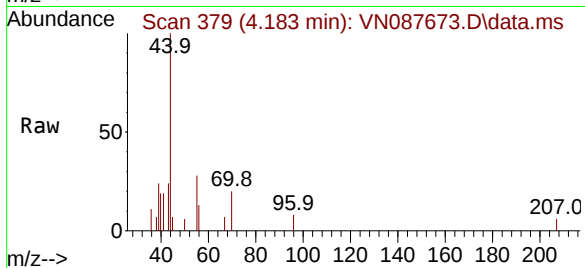
MW1

Tgt Ion: 56 Resp: 578

Ion Ratio Lower Upper

56 100

55 0.0 57.3 85.9#



#15

Acrylonitrile

Concen: 0.303 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.012 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

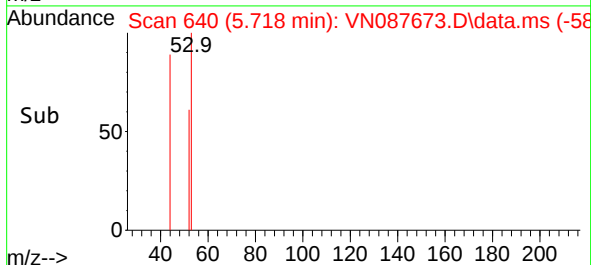
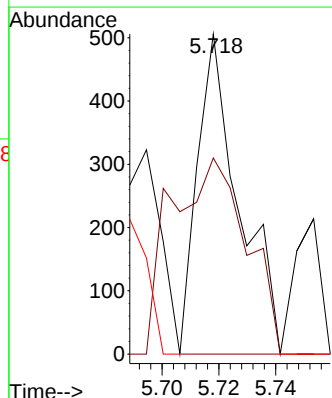
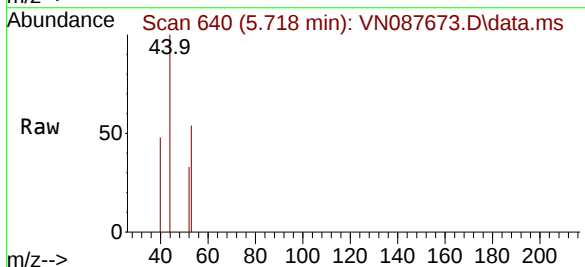
Tgt Ion: 53 Resp: 515

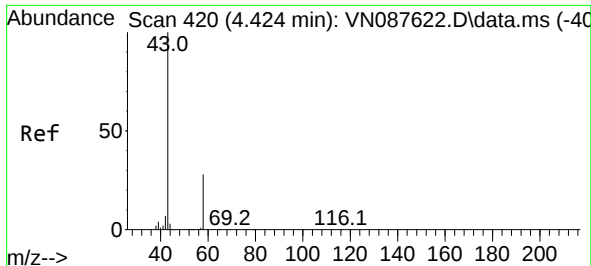
Ion Ratio Lower Upper

53 100

52 111.3 67.6 101.4#

51 0.0 30.1 45.1#





#16

Acetone

Concen: 4.673 ug/l

RT: 4.412 min Scan# 41

Delta R.T. -0.012 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

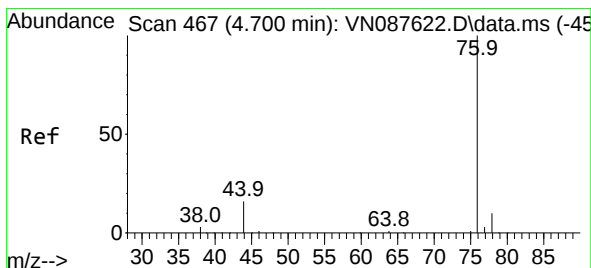
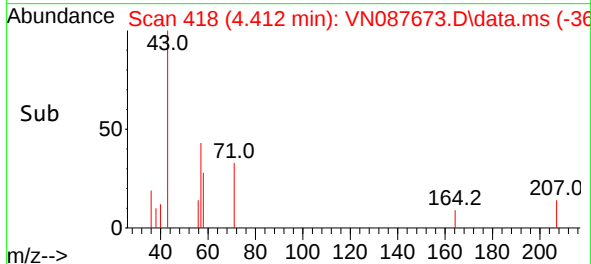
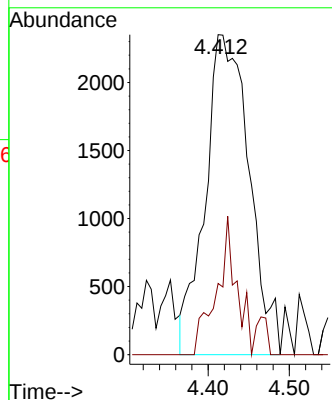
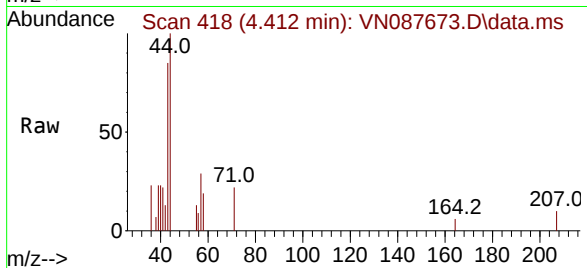
MW1

Tgt Ion: 43 Resp: 8844

Ion Ratio Lower Upper

43 100

58 22.2 22.6 33.8#



#17

Carbon Disulfide

Concen: 0.218 ug/l

RT: 4.700 min Scan# 467

Delta R.T. -0.000 min

Lab File: VN087673.D

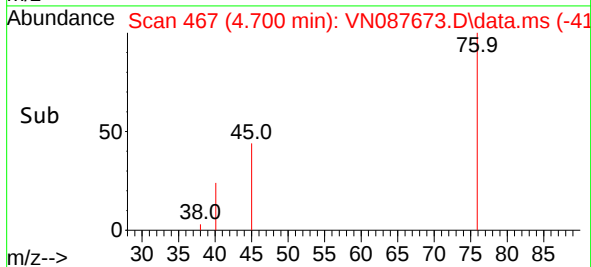
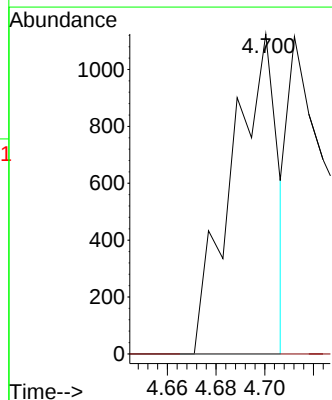
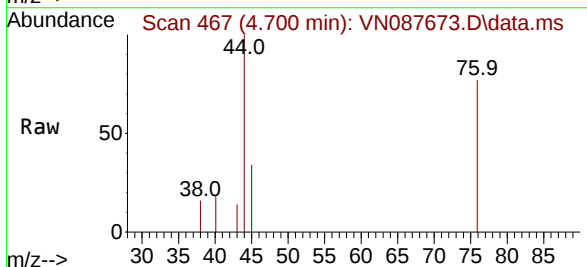
Acq: 26 Aug 2025 16:24

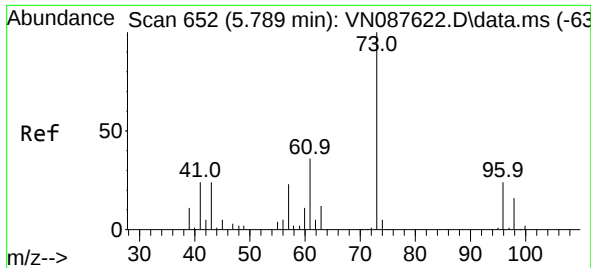
Tgt Ion: 76 Resp: 1470

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#

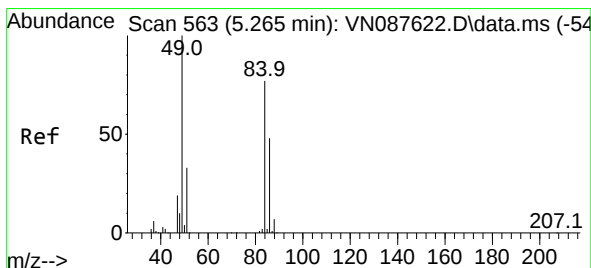
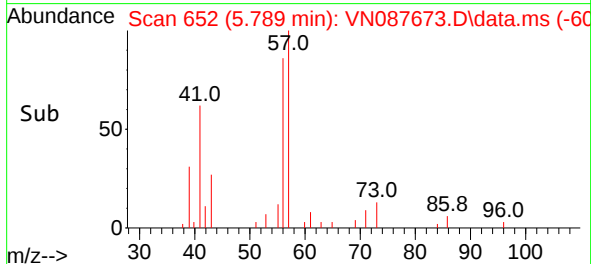
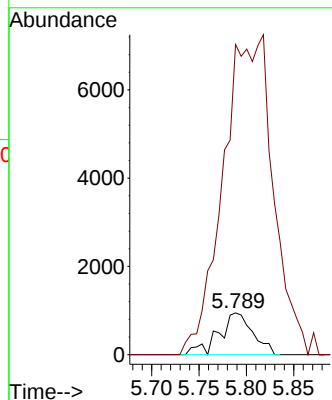
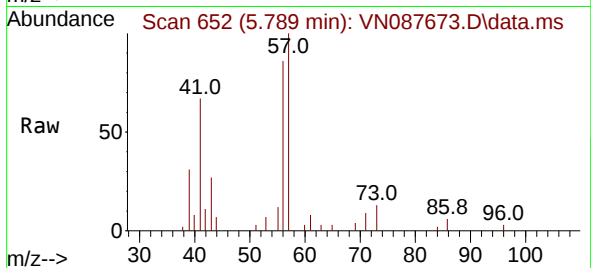




#19
Methyl tert-butyl Ether
Concen: 0.259 ug/l
RT: 5.789 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

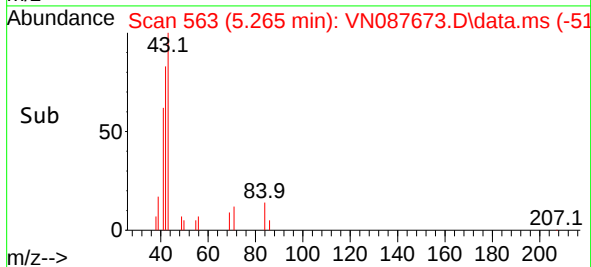
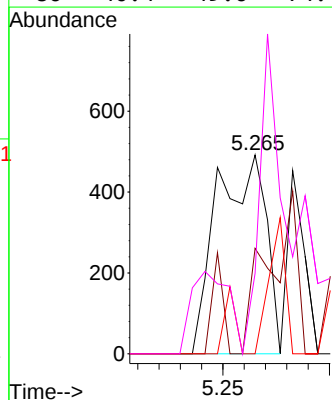
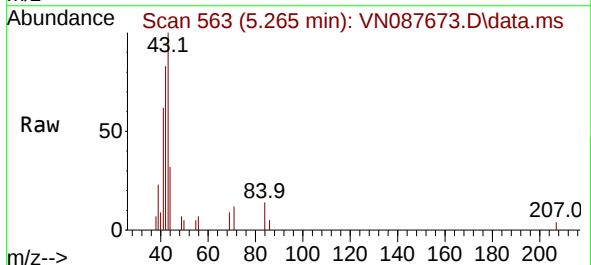
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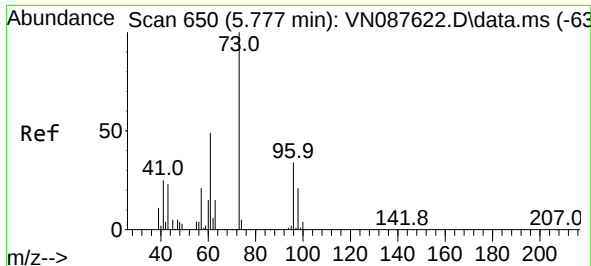
Tgt Ion: 73 Resp: 2376
Ion Ratio Lower Upper
73 100
57 743.3 18.4 27.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 84 Resp: 785
Ion Ratio Lower Upper
84 100
49 53.0 103.4 155.2#
51 0.0 33.8 50.8#
86 40.4 49.6 74.4#

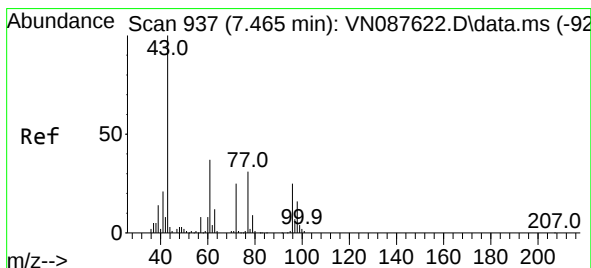
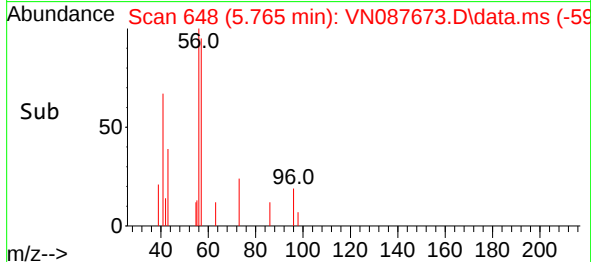
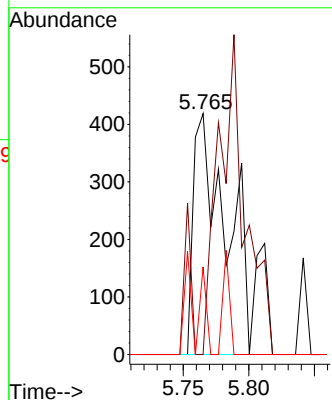
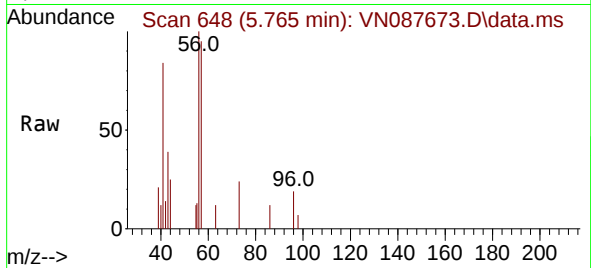




#21
trans-1,2-Dichloroethene
Concen: 0.320 ug/l
RT: 5.765 min Scan# 64
Delta R.T. -0.012 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

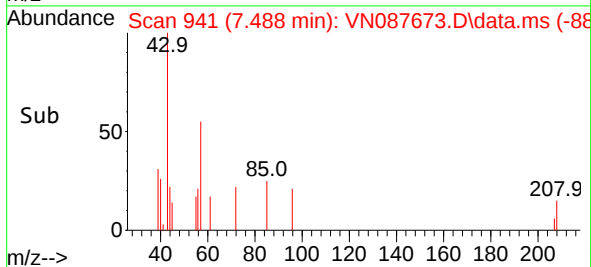
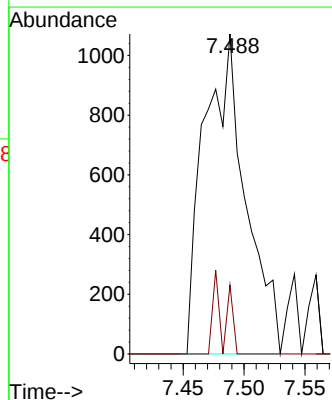
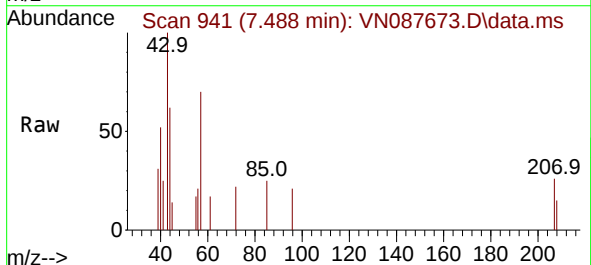
Instrument :
MSVOA_N
ClientSampleId :
MW1

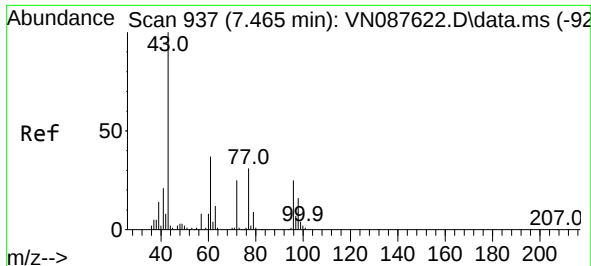
Tgt Ion: 96 Resp: 849
Ion Ratio Lower Upper
96 100
61 0.0 118.0 177.0#
98 36.3 50.0 75.0#



#25
2-Butanone
Concen: 1.022 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.023 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 43 Resp: 2544
Ion Ratio Lower Upper
43 100
72 21.5 19.9 29.9



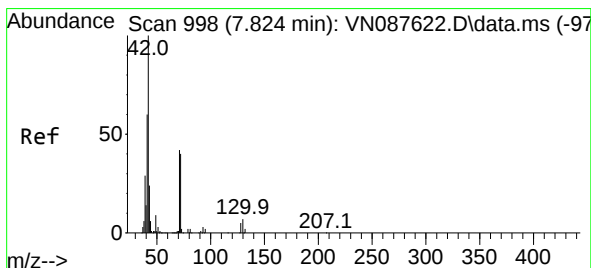
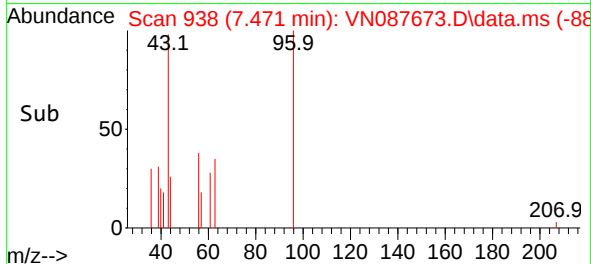
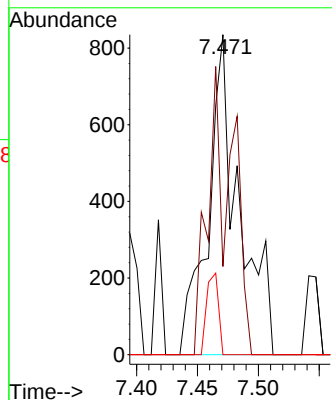
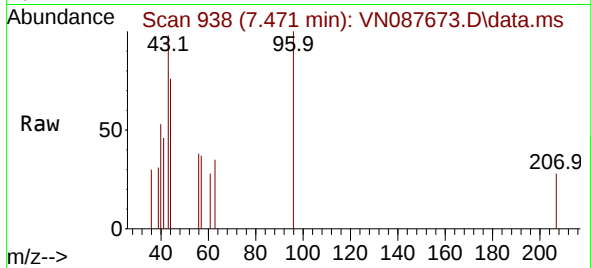


#27
 cis-1,2-Dichloroethene
 Concen: 0.463 ug/l
 RT: 7.471 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN087673.D
 Acq: 26 Aug 2025 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1

Tgt Ion: 96 Resp: 1467

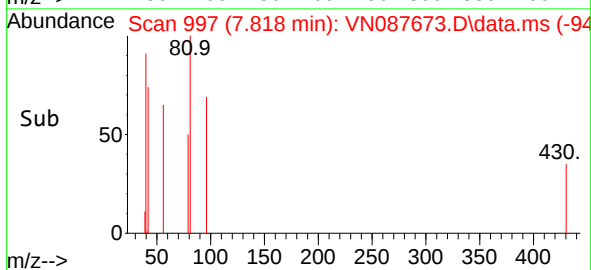
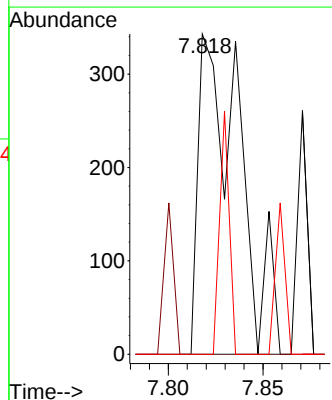
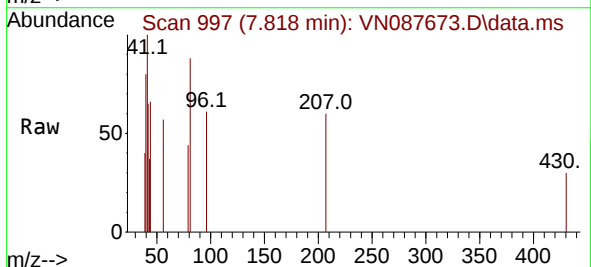
Ion	Ratio	Lower	Upper
96	100		
61	39.7	0.0	301.8
98	9.7	0.0	126.2

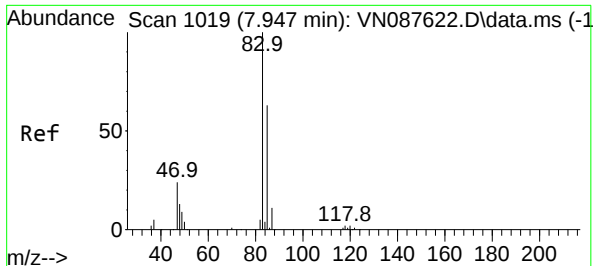


#29
 Tetrahydrofuran
 Concen: 0.324 ug/l
 RT: 7.818 min Scan# 997
 Delta R.T. -0.006 min
 Lab File: VN087673.D
 Acq: 26 Aug 2025 16:24

Tgt Ion: 42 Resp: 519

Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	17.7	31.9	47.9#





#30

Chloroform

Concen: 7.499 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

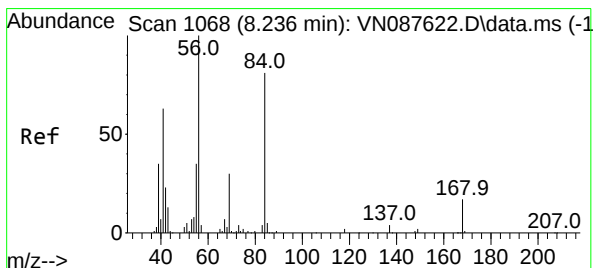
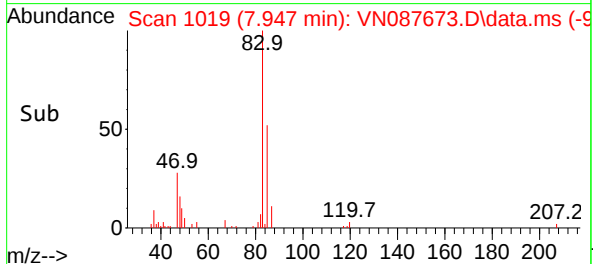
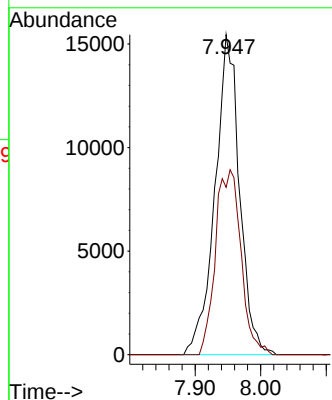
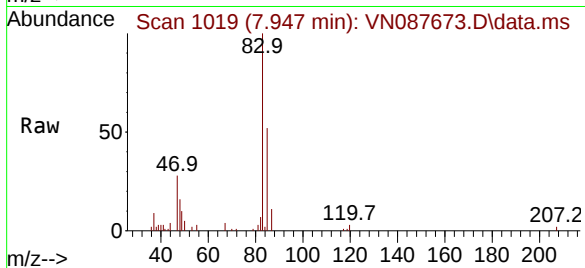
MW1

Tgt Ion: 83 Resp: 40149

Ion Ratio Lower Upper

83 100

85 52.3 50.7 76.1



#31

Cyclohexane

Concen: 13.652 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

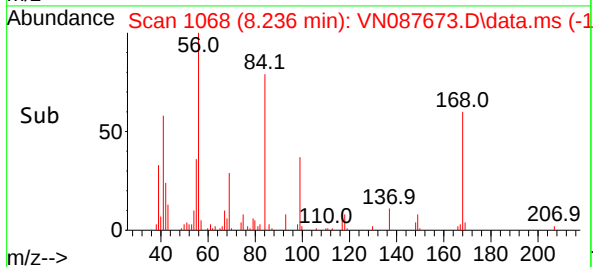
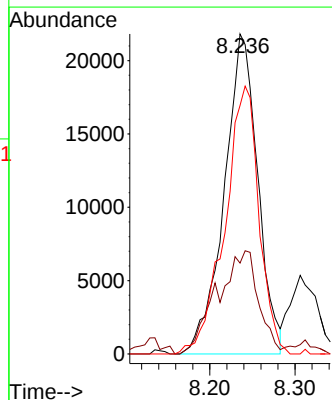
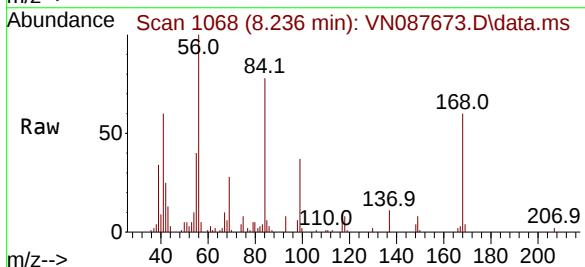
Tgt Ion: 56 Resp: 59700

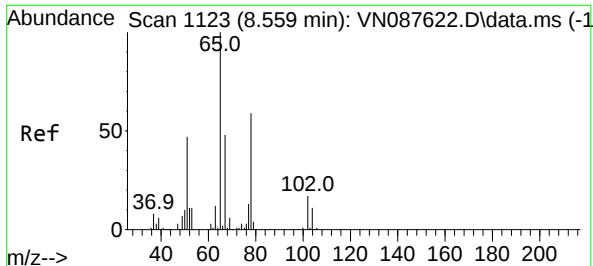
Ion Ratio Lower Upper

56 100

69 28.4 23.7 35.5

84 76.9 64.7 97.1

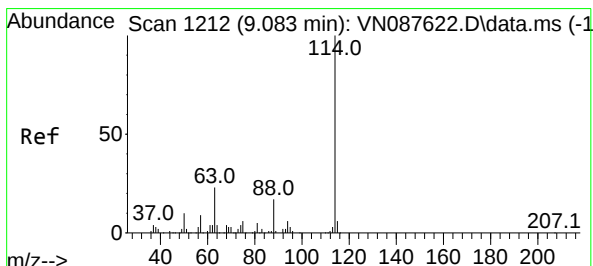
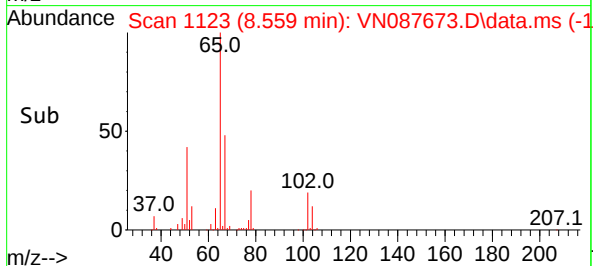
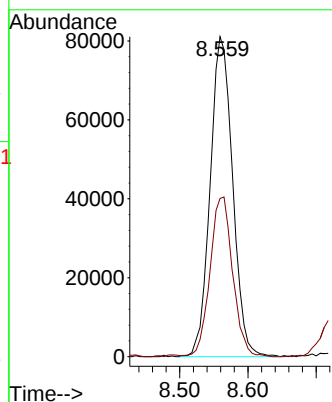
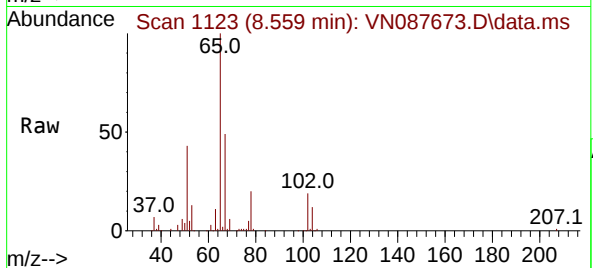




#33
 1,2-Dichloroethane-d4
 Concen: 53.503 ug/l
 RT: 8.559 min Scan# 1123
 Delta R.T. -0.000 min
 Lab File: VN087673.D
 Acq: 26 Aug 2025 16:24

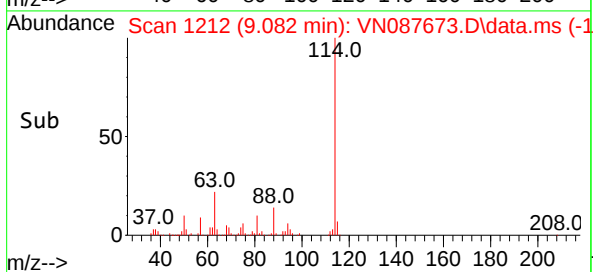
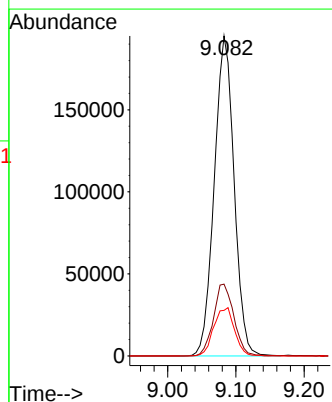
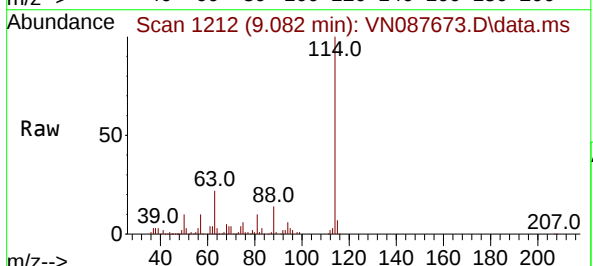
Instrument :
 MSVOA_N
 ClientSampleId :
 MW1

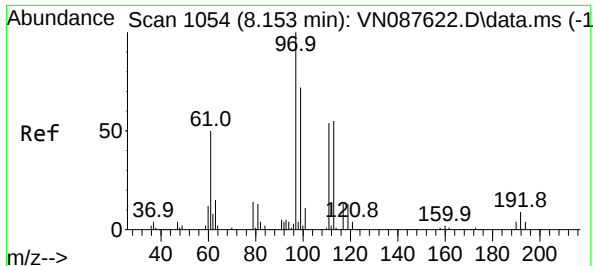
Tgt Ion: 65 Resp: 186015
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 100.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.082 min Scan# 1212
 Delta R.T. -0.000 min
 Lab File: VN087673.D
 Acq: 26 Aug 2025 16:24

Tgt Ion: 114 Resp: 395130
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.2
 88 14.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.255 ug/l

RT: 8.153 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

MW1

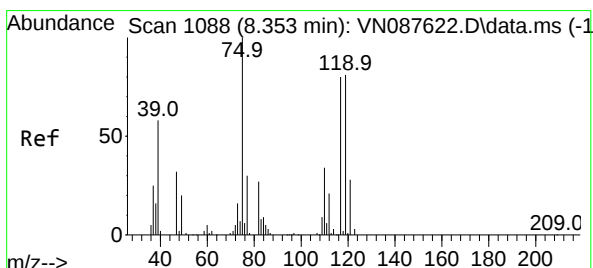
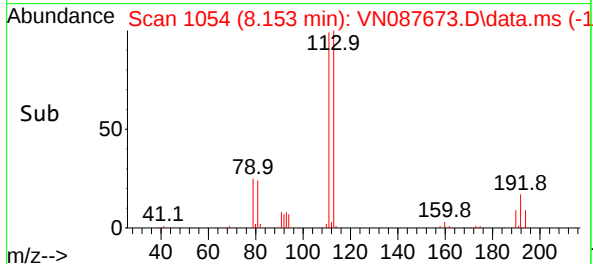
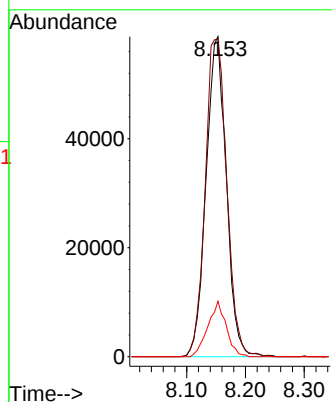
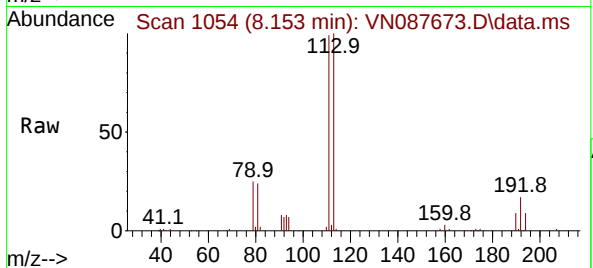
Tgt Ion:113 Resp: 140517

Ion Ratio Lower Upper

113 100

111 105.5 82.8 124.2

192 15.7 12.8 19.2



#36

1,1-Dichloropropene

Concen: 3.965 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

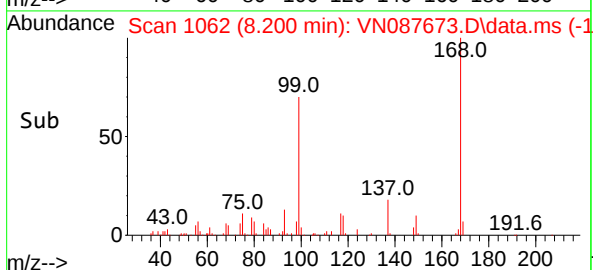
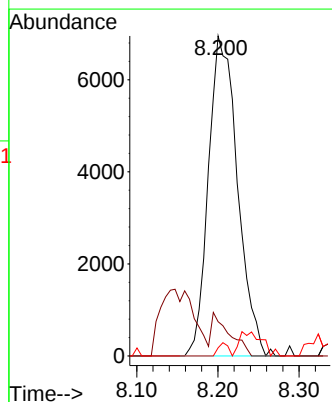
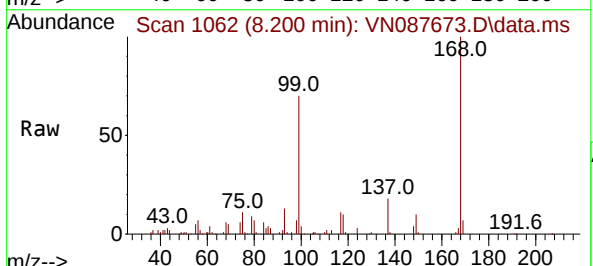
Tgt Ion: 75 Resp: 17355

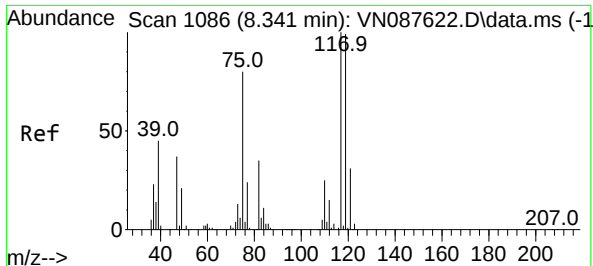
Ion Ratio Lower Upper

75 100

110 8.3 15.9 47.6#

77 0.0 24.4 36.6#

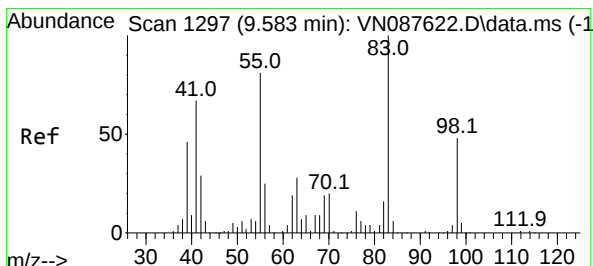
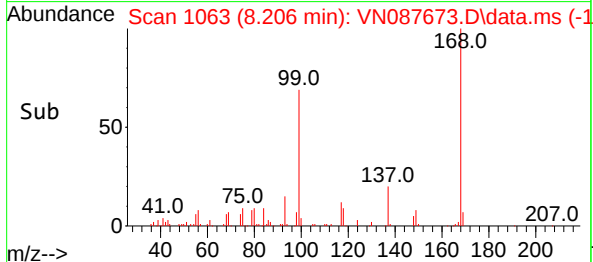
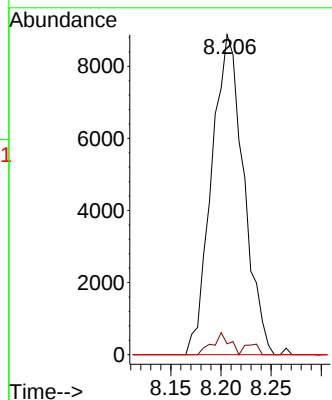
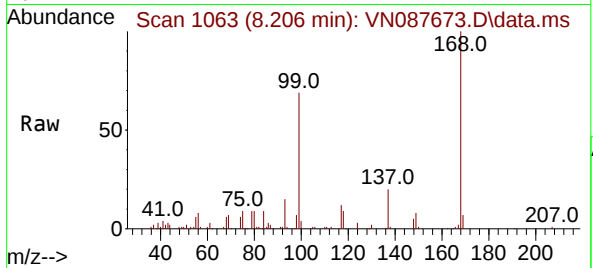




#38
Carbon Tetrachloride
Concen: 4.569 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

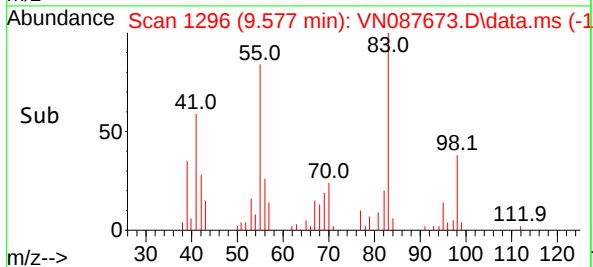
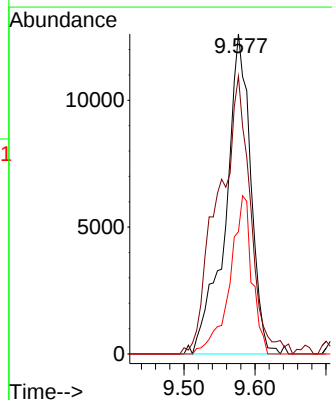
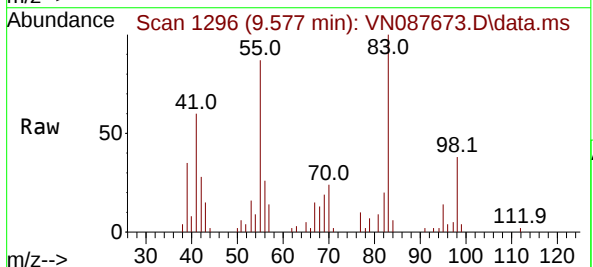
Instrument :
MSVOA_N
ClientSampleId :
MW1

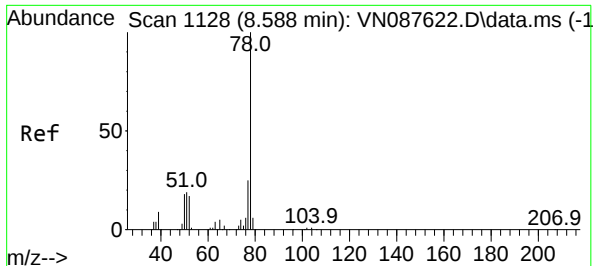
Tgt Ion:117 Resp: 19745
Ion Ratio Lower Upper
117 100
119 3.4 79.0 118.6#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 6.471 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 83 Resp: 31178
Ion Ratio Lower Upper
83 100
55 86.8 64.6 96.8
98 38.2 38.4 57.6#

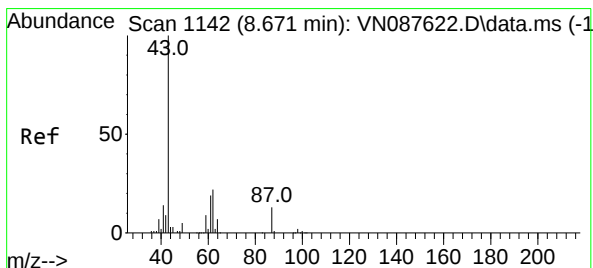
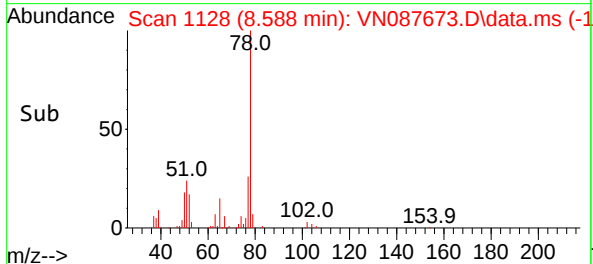
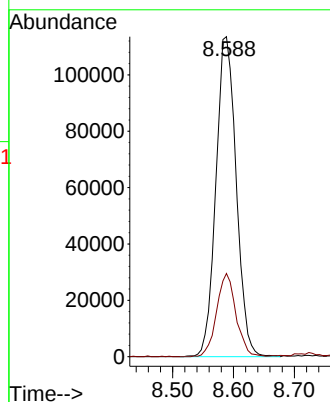
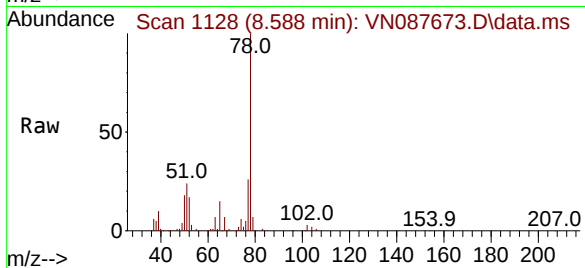




#40
Benzene
Concen: 19.605 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

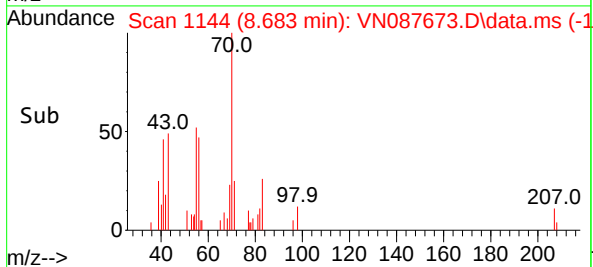
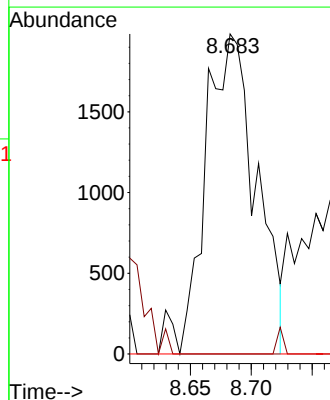
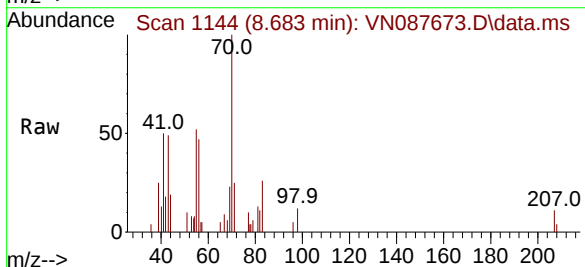
Instrument :
MSVOA_N
ClientSampleId :
MW1

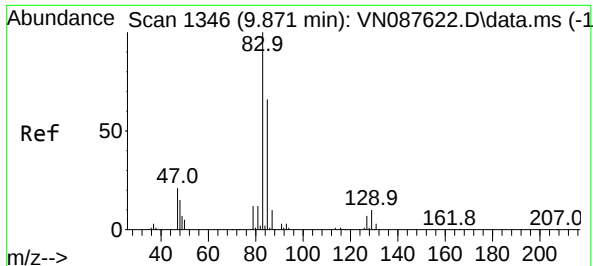
Tgt Ion: 78 Resp: 263172
Ion Ratio Lower Upper
78 100
77 26.0 19.7 29.5



#43
Isopropyl Acetate
Concen: 0.607 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 43 Resp: 5672
Ion Ratio Lower Upper
43 100
61 0.0 18.8 28.2#
87 0.0 9.6 14.4#

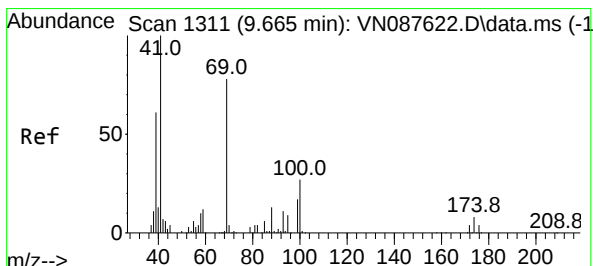
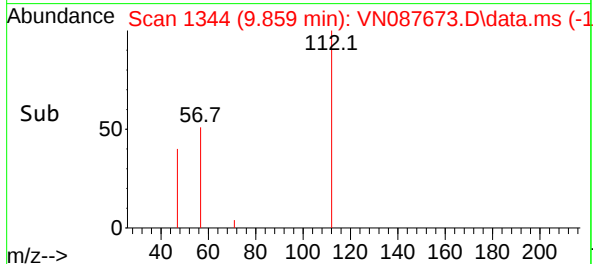
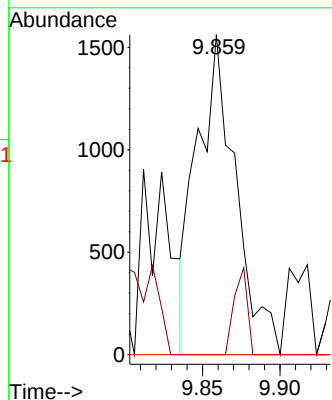
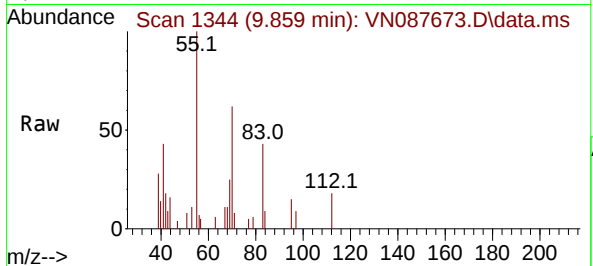




#47
Bromodichloromethane
Concen: 0.524 ug/l
RT: 9.859 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

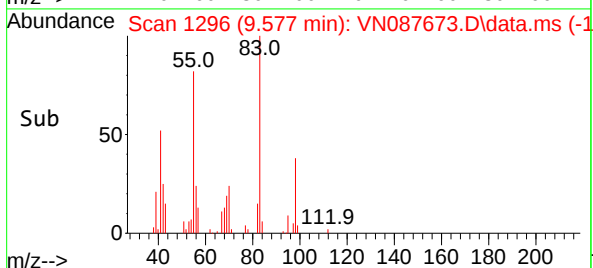
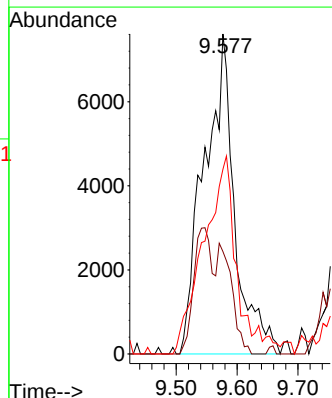
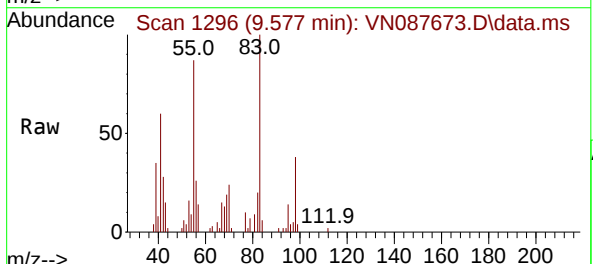
Instrument :
MSVOA_N
ClientSampleId :
MW1

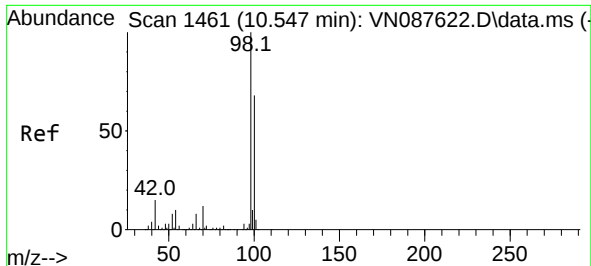
Tgt Ion: 83 Resp: 2706
Ion Ratio Lower Upper
83 100
85 0.0 52.5 78.7#
127 0.0 5.8 8.6#



#48
Methyl methacrylate
Concen: 5.998 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.088 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 41 Resp: 26491
Ion Ratio Lower Upper
41 100
69 16.1 62.7 94.1#
39 67.0 52.9 79.3

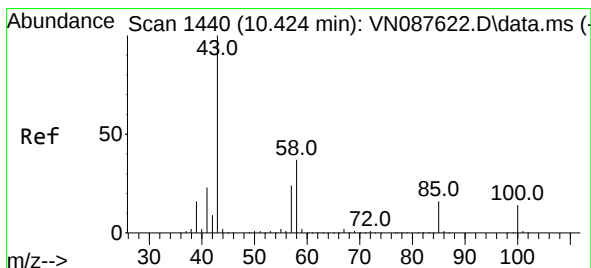
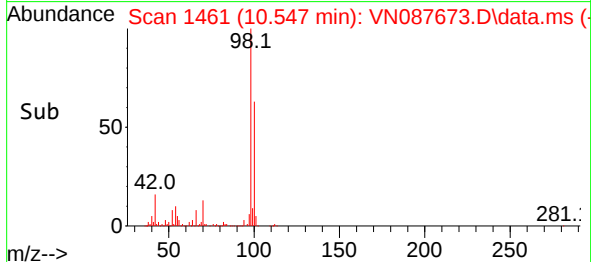
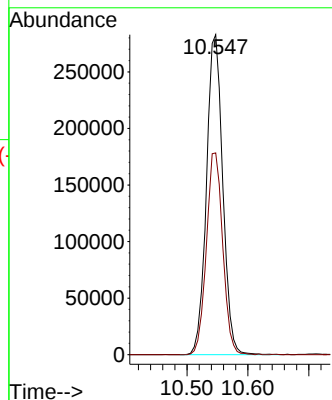
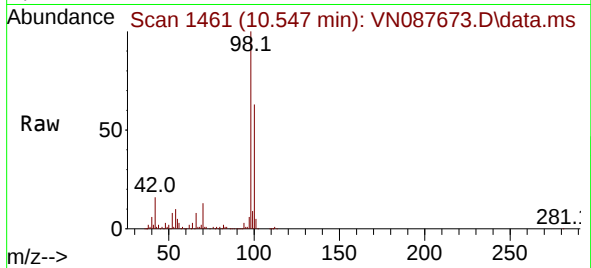




#50
Toluene-d8
Concen: 49.189 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

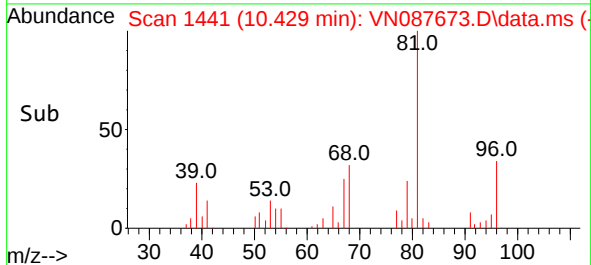
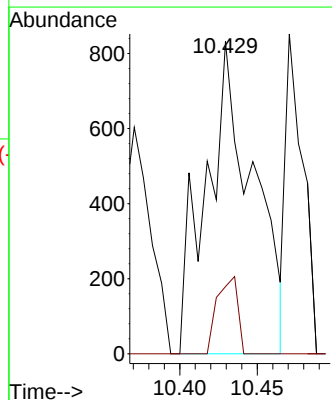
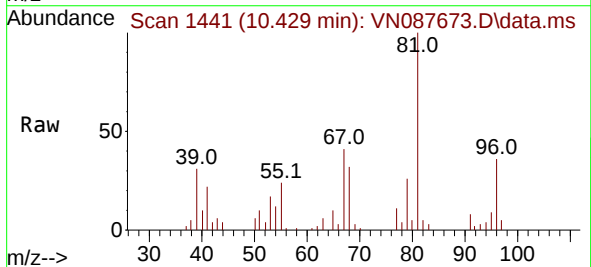
Instrument :
MSVOA_N
ClientSampleId :
MW1

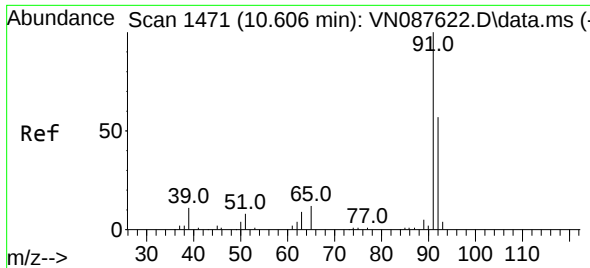
Tgt Ion: 98 Resp: 525224
Ion Ratio Lower Upper
98 100
100 63.3 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.312 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 43 Resp: 1756
Ion Ratio Lower Upper
43 100
58 10.8 29.6 44.4#





#52

Toluene

Concen: 1.219 ug/l

RT: 10.612 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

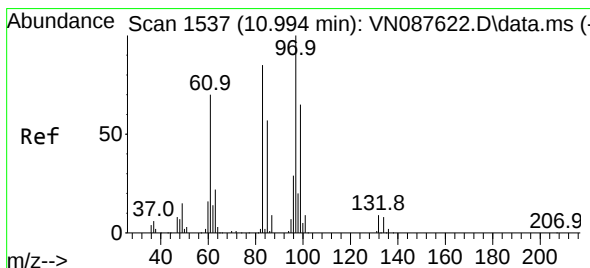
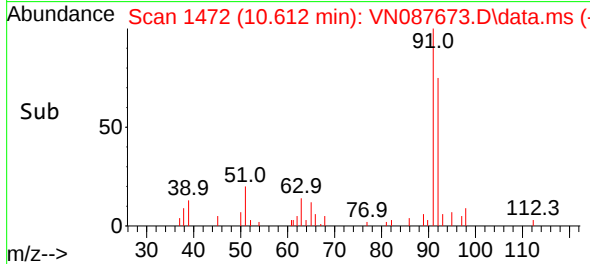
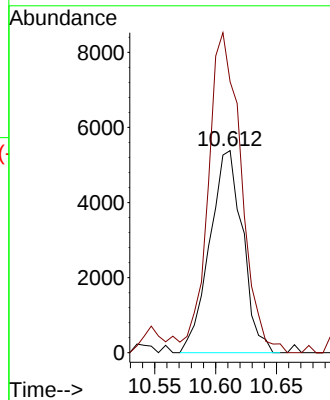
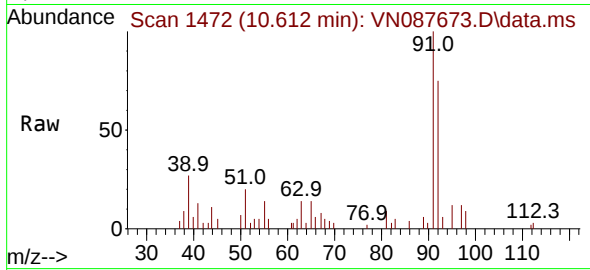
MW1

Tgt Ion: 92 Resp: 10147

Ion Ratio Lower Upper

92 100

91 157.8 140.4 210.6



#55

1,1,2-Trichloroethane

Concen: 5.031 ug/l

RT: 10.982 min Scan# 1535

Delta R.T. -0.012 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

Tgt Ion: 97 Resp: 16195

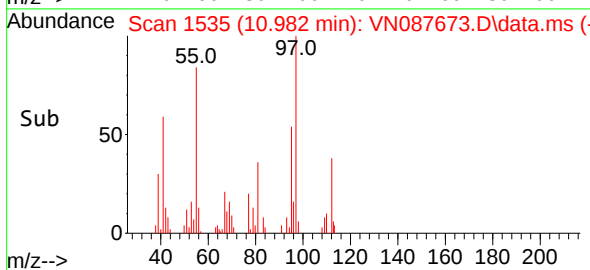
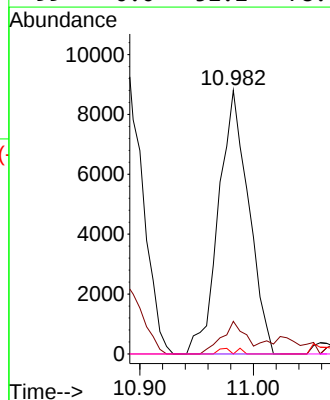
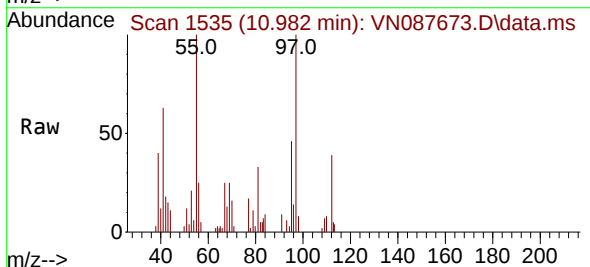
Ion Ratio Lower Upper

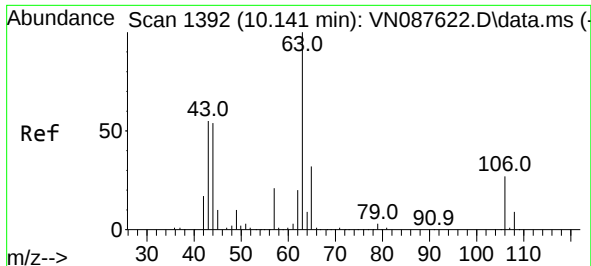
97 100

83 12.4 68.2 102.4#

85 0.0 45.5 68.3#

99 0.0 52.2 78.4#

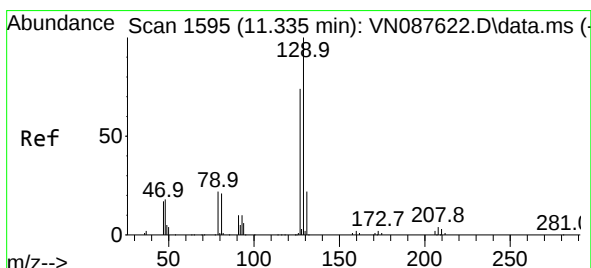
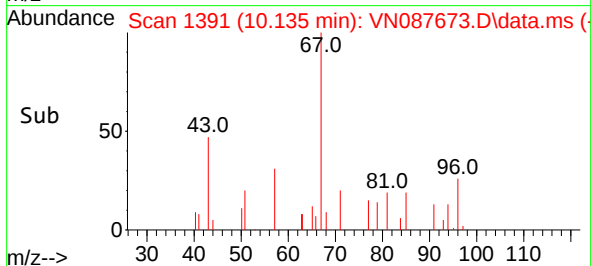
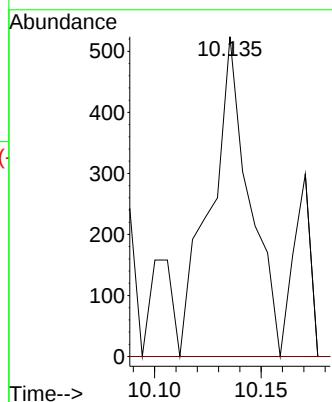
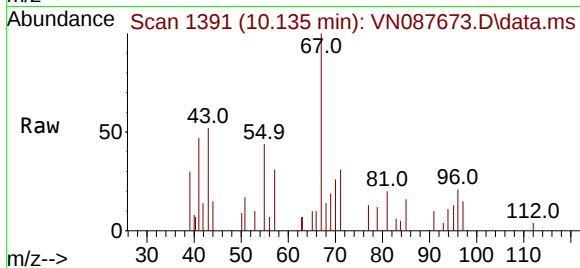




#58
2-Chloroethyl Vinyl ether
Concen: 0.240 ug/l
RT: 10.135 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

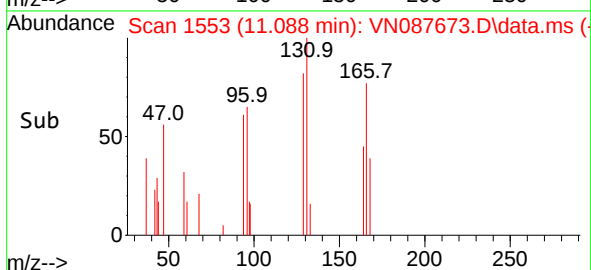
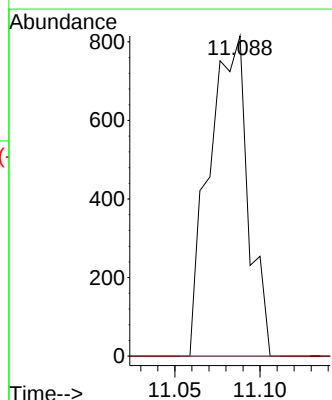
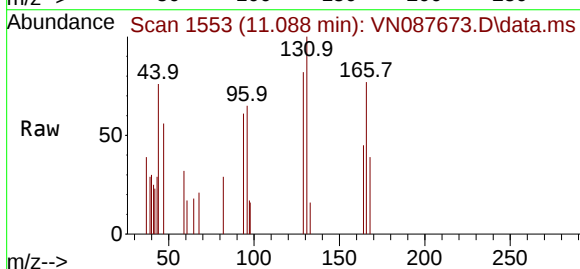
Instrument :
MSVOA_N
ClientSampleId :
MW1

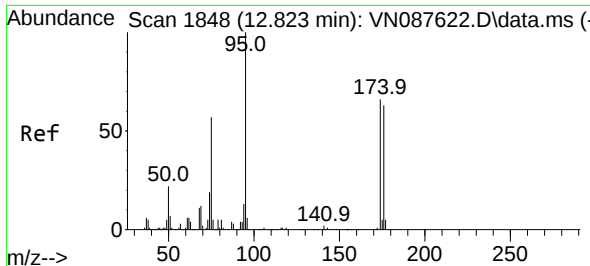
Tgt Ion: 63 Resp: 667
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#



#60
Dibromochloromethane
Concen: 0.346 ug/l
RT: 11.088 min Scan# 1553
Delta R.T. -0.247 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 129 Resp: 1289
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#

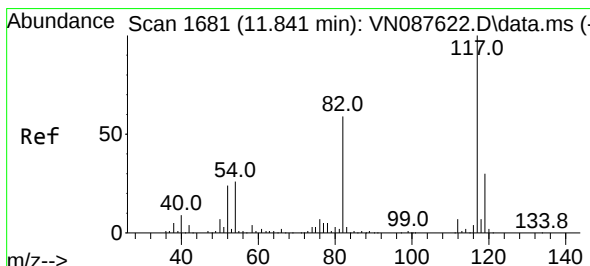
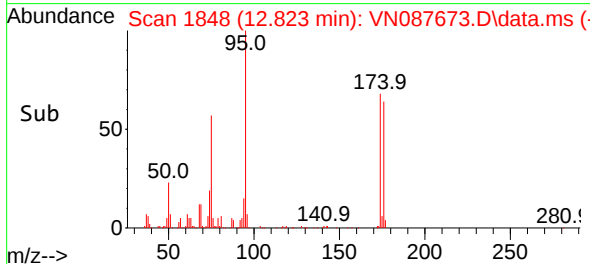
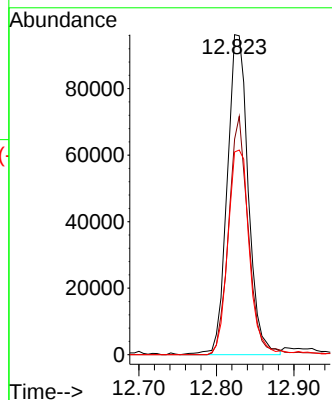
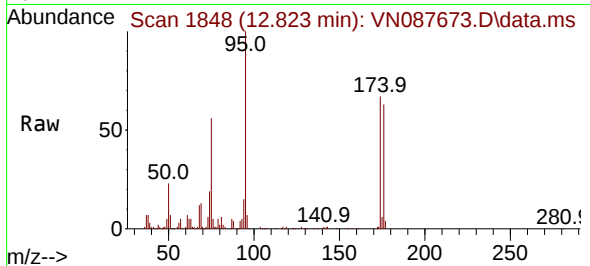




#62
4-Bromofluorobenzene
Concen: 47.899 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

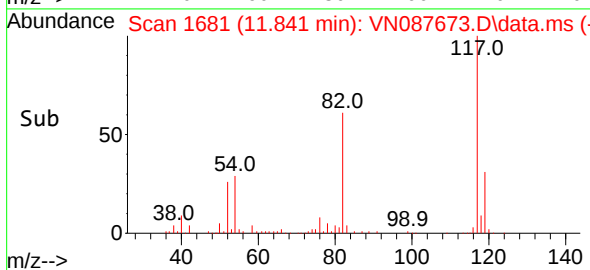
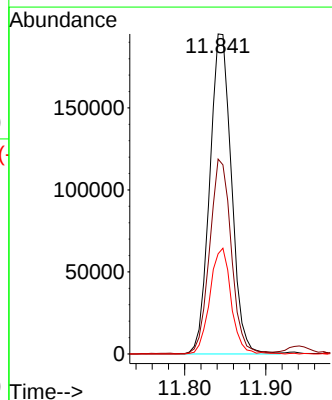
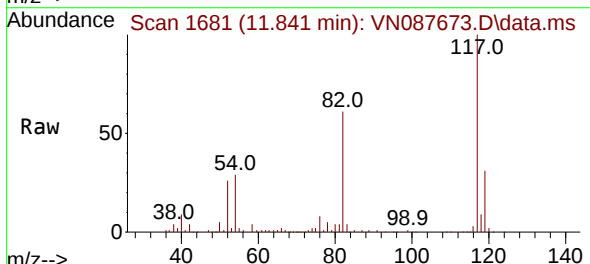
Instrument :
MSVOA_N
ClientSampleId :
MW1

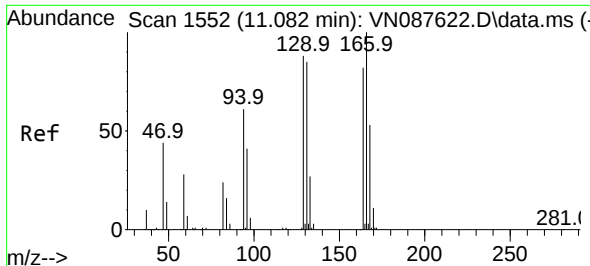
Tgt Ion: 95 Resp: 181887
Ion Ratio Lower Upper
95 100
174 69.4 0.0 138.4
176 65.6 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 117 Resp: 362382
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 31.3 24.3 36.5

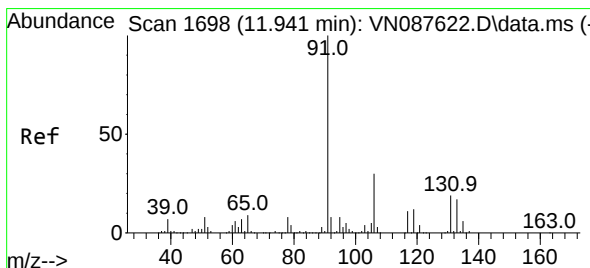
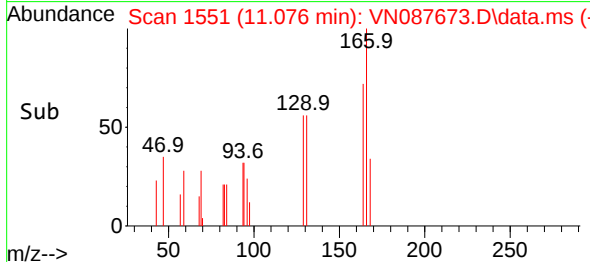
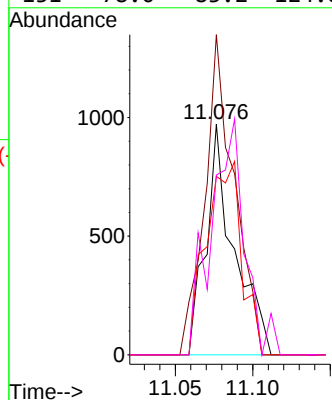
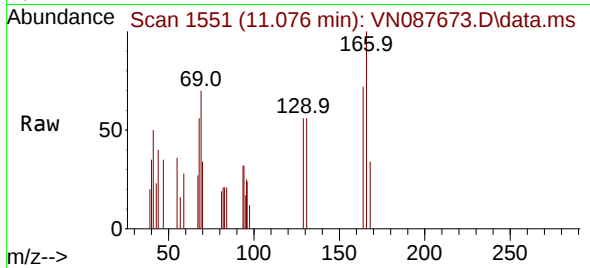




#64
Tetrachloroethene
Concen: 0.485 ug/l
RT: 11.076 min Scan# 1551
Delta R.T. -0.006 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

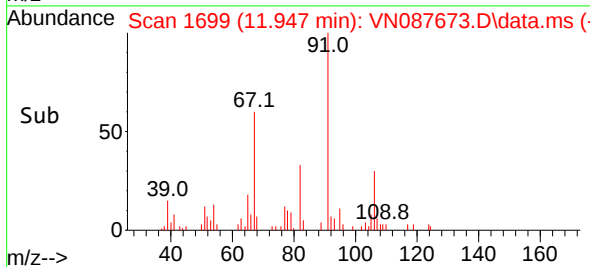
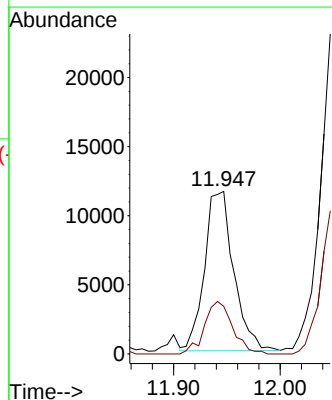
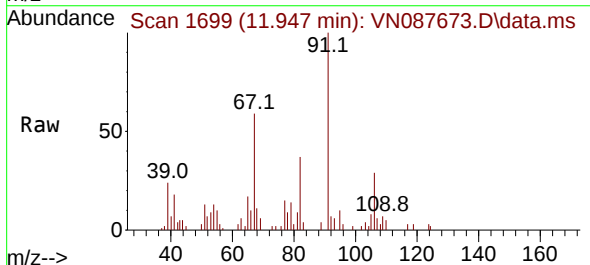
Instrument :
MSVOA_N
ClientSampleId :
MW1

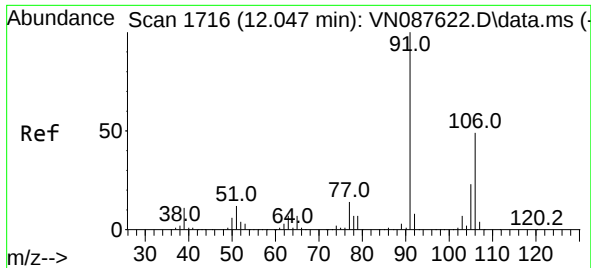
Tgt Ion:164 Resp: 1220
Ion Ratio Lower Upper
164 100
166 138.8 97.7 146.5
129 77.4 85.9 128.9#
131 78.0 83.2 124.8#



#67
Ethyl Benzene
Concen: 1.406 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 91 Resp: 21954
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1

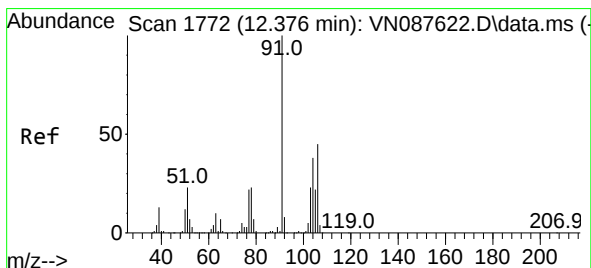
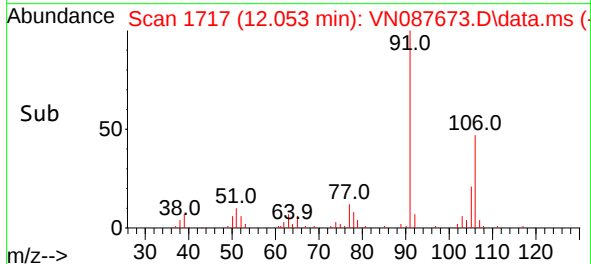
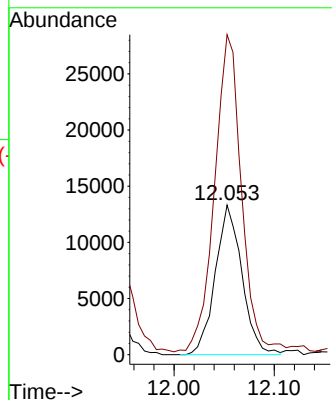
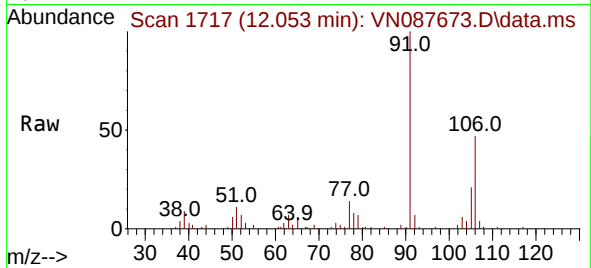




#68
m/p-Xylenes
Concen: 4.292 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

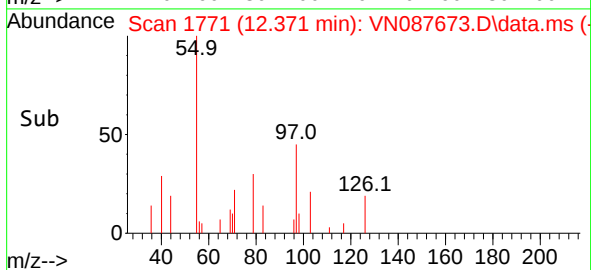
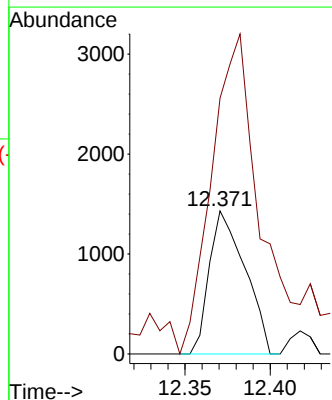
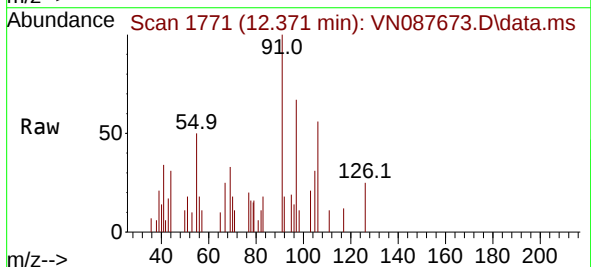
Instrument :
MSVOA_N
ClientSampleId :
MW1

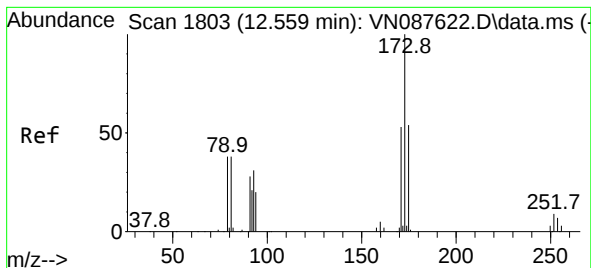
Tgt Ion:106 Resp: 24572
Ion Ratio Lower Upper
106 100
91 215.9 169.3 253.9



#69
o-Xylene
Concen: 0.373 ug/l
RT: 12.371 min Scan# 1771
Delta R.T. -0.006 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion:106 Resp: 2091
Ion Ratio Lower Upper
106 100
91 299.0 111.4 334.2





#71

Bromoform

Concen: 0.714 ug/l

RT: 12.818 min Scan# 11

Delta R.T. 0.259 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

MW1

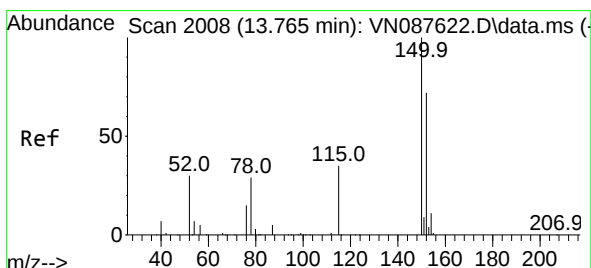
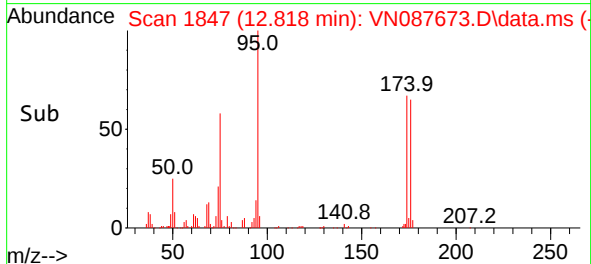
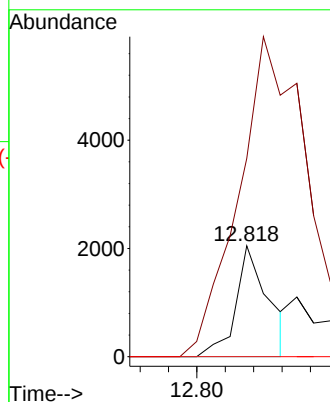
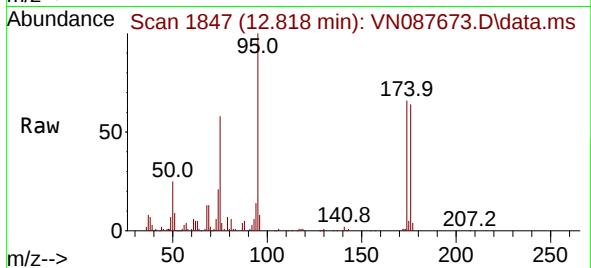
Tgt Ion:173 Resp: 1640

Ion Ratio Lower Upper

173 100

175 393.2 24.9 74.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

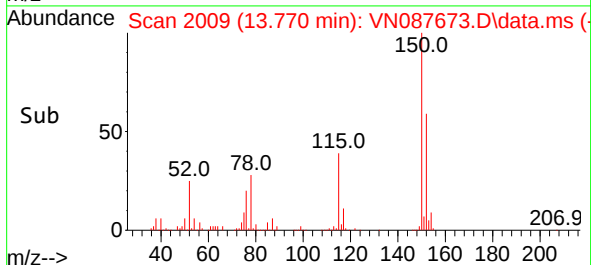
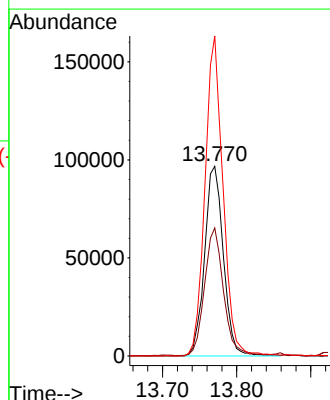
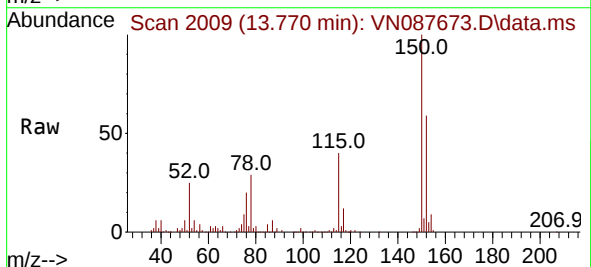
Tgt Ion:152 Resp: 170909

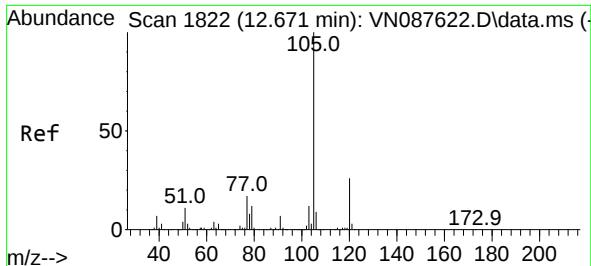
Ion Ratio Lower Upper

152 100

115 67.4 32.3 96.8

150 160.9 0.0 351.0

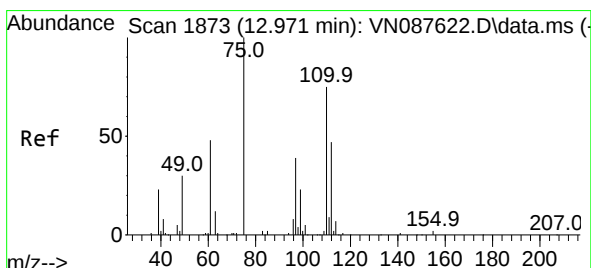
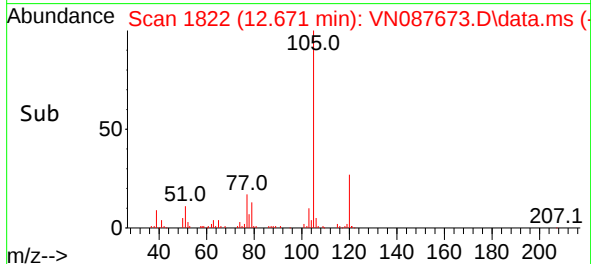
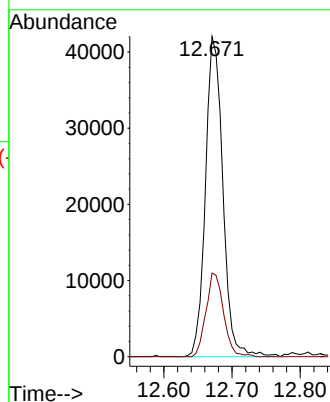
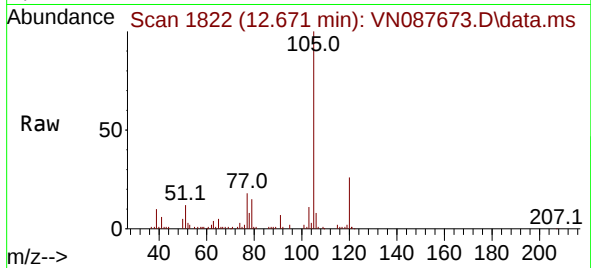




#73
Isopropylbenzene
Concen: 5.411 ug/l
RT: 12.671 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

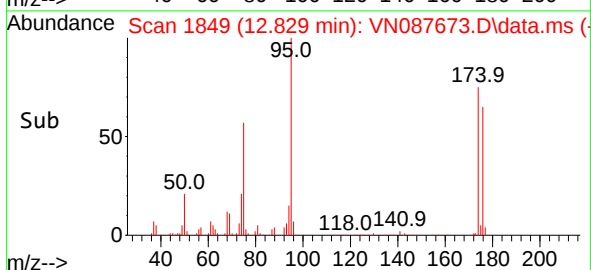
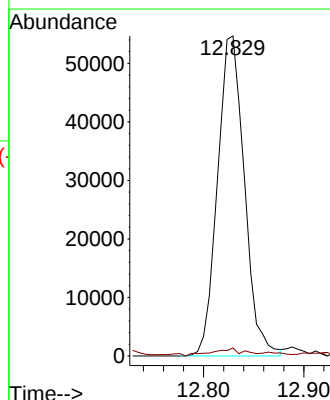
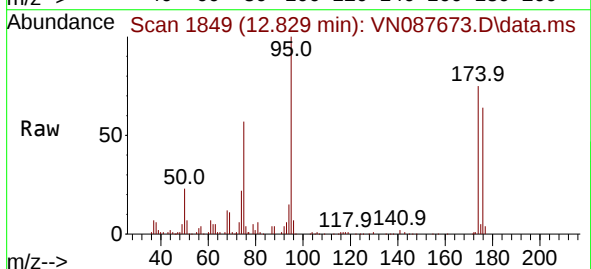
Instrument :
MSVOA_N
ClientSampleId :
MW1

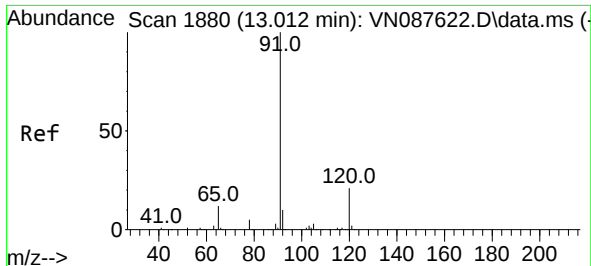
Tgt Ion:105 Resp: 74724
Ion Ratio Lower Upper
105 100
120 26.3 12.8 38.3



#76
1,2,3-Trichloropropane
Concen: 25.353 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 75 Resp: 101612
Ion Ratio Lower Upper
75 100
77 2.8 89.1 267.4#

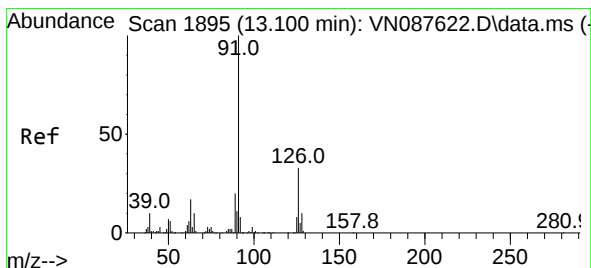
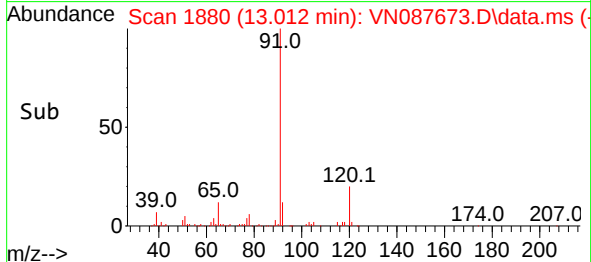
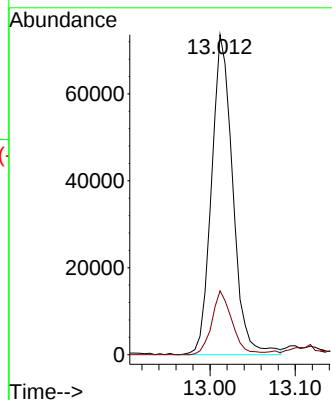
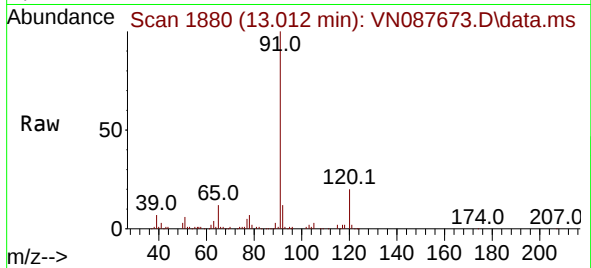




#78
n-propylbenzene
Concen: 7.495 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

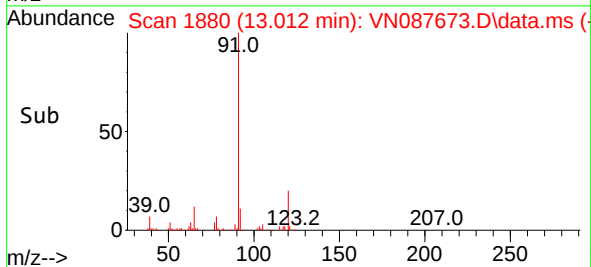
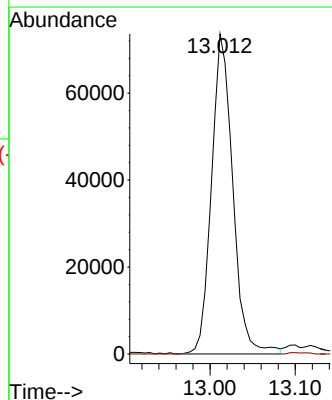
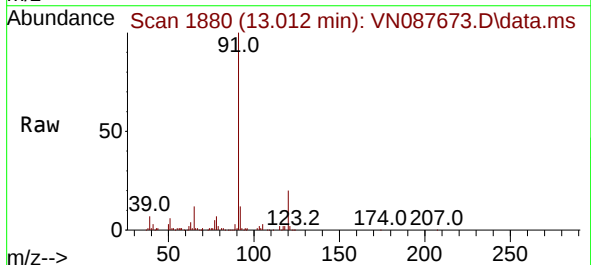
Instrument :
MSVOA_N
ClientSampleId :
MW1

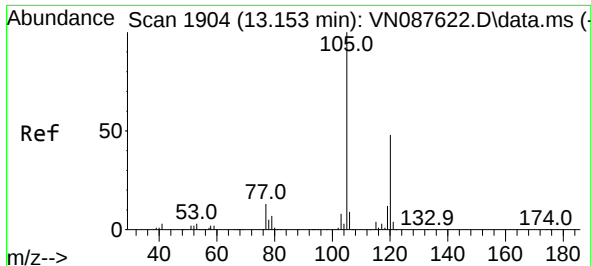
Tgt Ion: 91 Resp: 127506
Ion Ratio Lower Upper
91 100
120 18.9 10.7 32.1



#79
2-Chlorotoluene
Concen: 12.455 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.088 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 91 Resp: 127506
Ion Ratio Lower Upper
91 100
126 0.0 16.1 48.3#

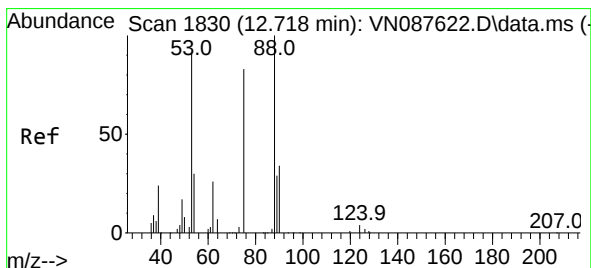
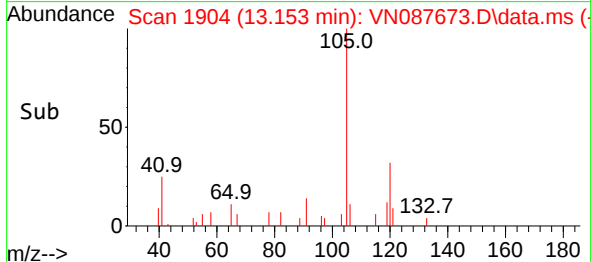
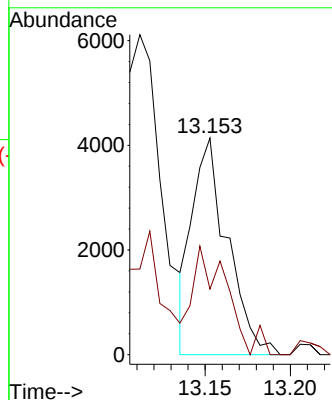
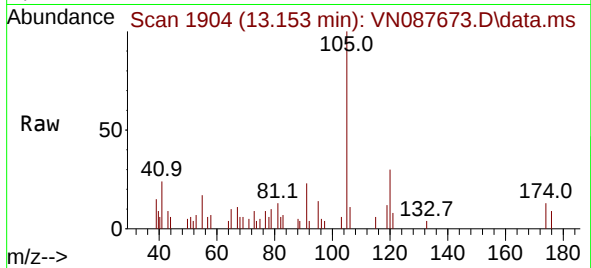




#80
 1,3,5-Trimethylbenzene
 Concen: 0.504 ug/l
 RT: 13.153 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VN087673.D
 Acq: 26 Aug 2025 16:24

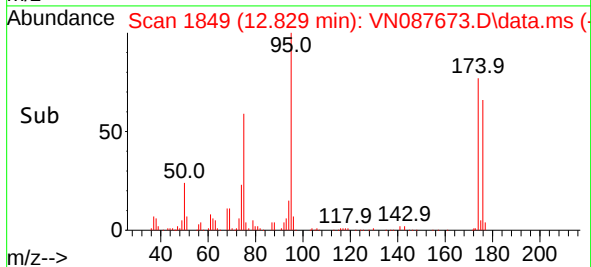
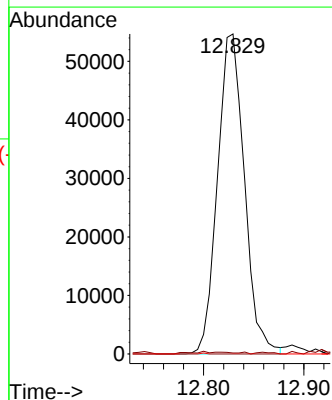
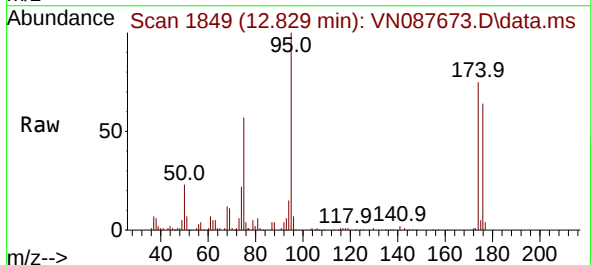
Instrument :
 MSVOA_N
 ClientSampleId :
 MW1

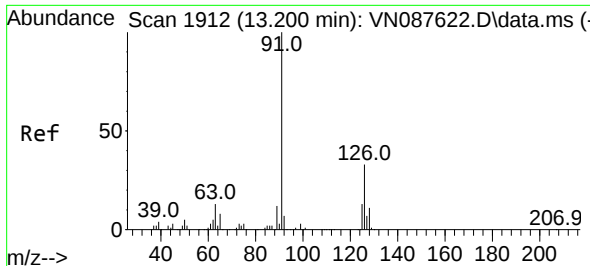
Tgt Ion:105 Resp: 5909
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.2 69.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.119 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN087673.D
 Acq: 26 Aug 2025 16:24

Tgt Ion: 75 Resp: 101612
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 35.6 53.4#

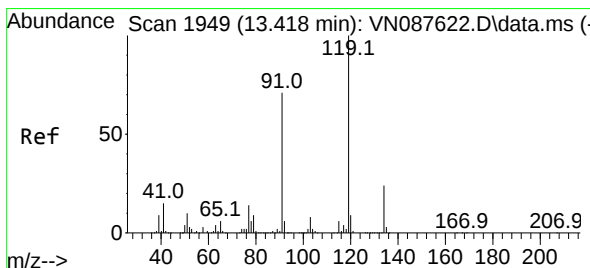
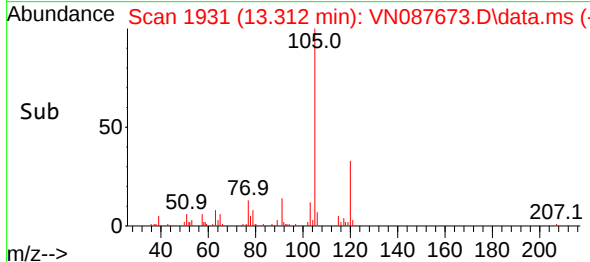
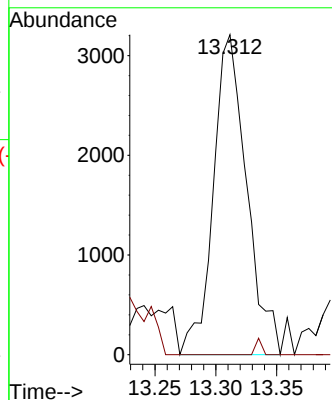
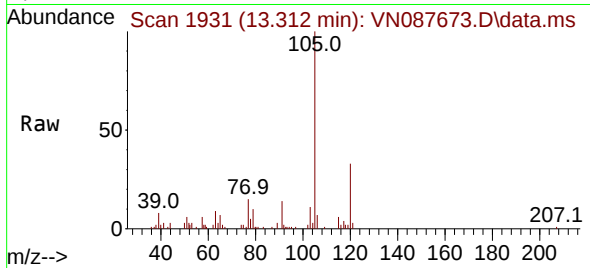




#82
4-Chlorotoluene
Concen: 0.567 ug/l
RT: 13.312 min Scan# 1931
Delta R.T. 0.112 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

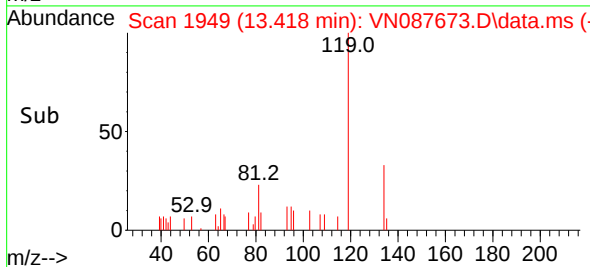
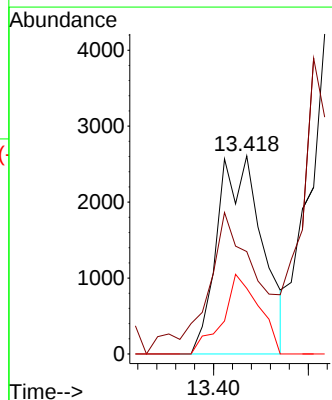
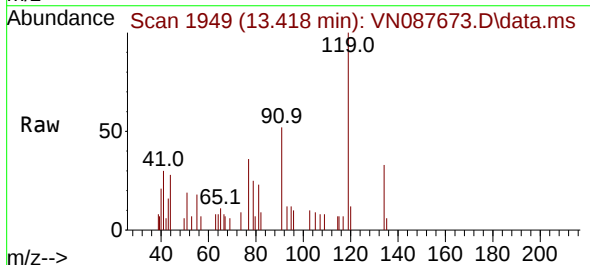
Instrument :
MSVOA_N
ClientSampleId :
MW1

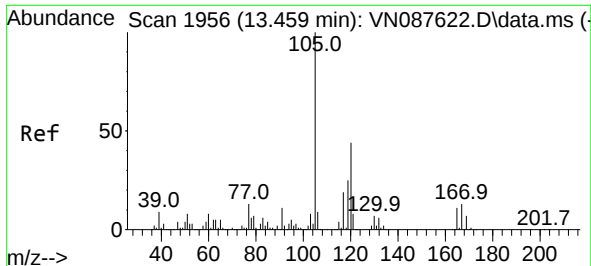
Tgt Ion: 91 Resp: 6106
Ion Ratio Lower Upper
91 100
126 0.0 15.6 46.8#



#83
tert-Butylbenzene
Concen: 0.442 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 119 Resp: 4317
Ion Ratio Lower Upper
119 100
91 80.5 35.0 105.0
134 32.2 12.6 37.8

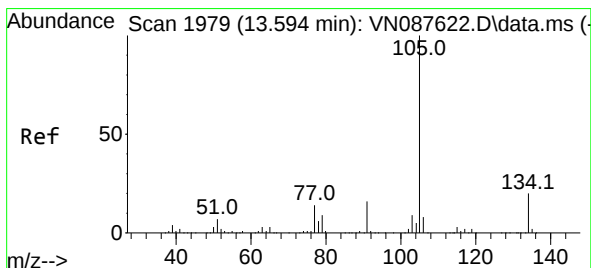
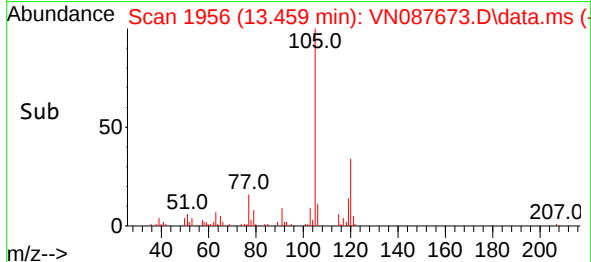
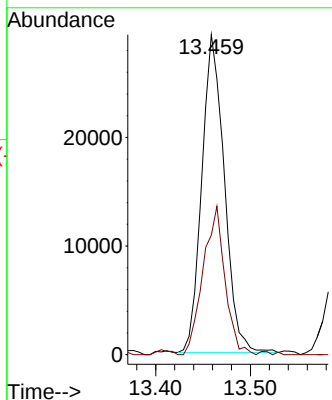
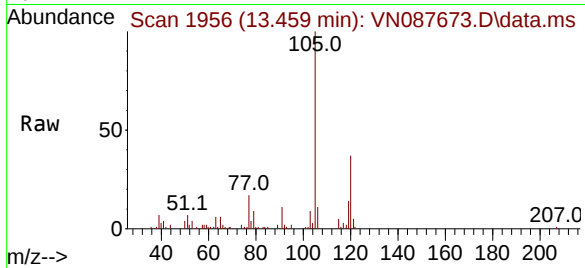




#84
1,2,4-Trimethylbenzene
Concen: 4.117 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

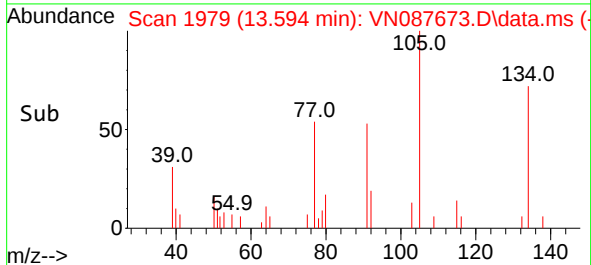
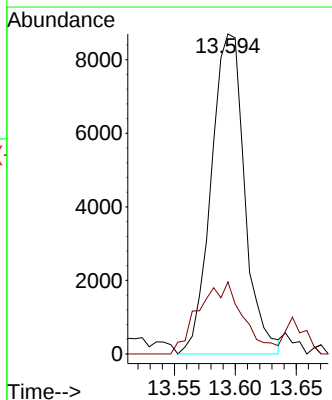
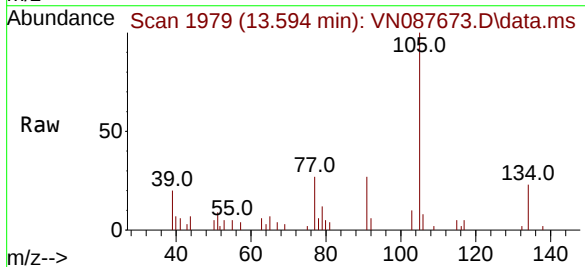
Instrument :
MSVOA_N
ClientSampleId :
MW1

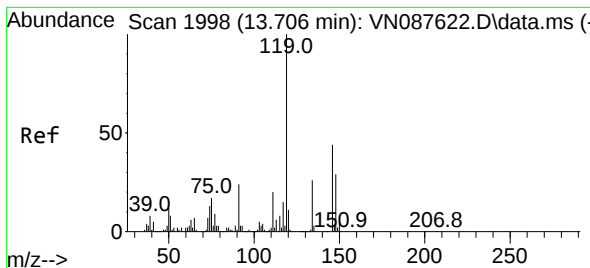
Tgt Ion:105 Resp: 48284
Ion Ratio Lower Upper
105 100
120 45.2 22.0 66.0



#85
sec-Butylbenzene
Concen: 1.149 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion:105 Resp: 16652
Ion Ratio Lower Upper
105 100
134 29.7 9.6 28.6#

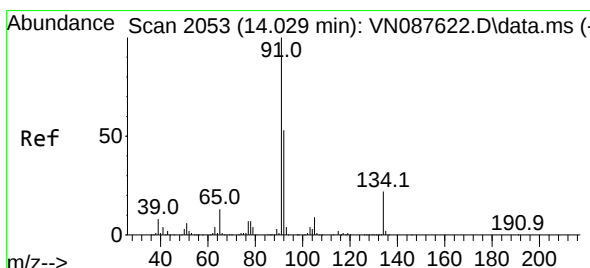
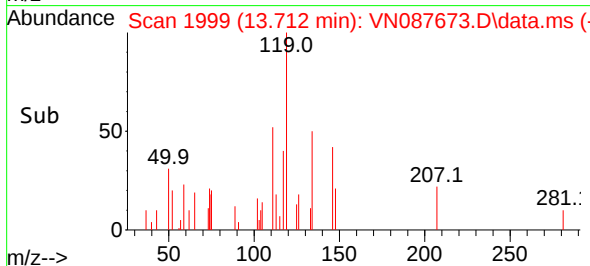
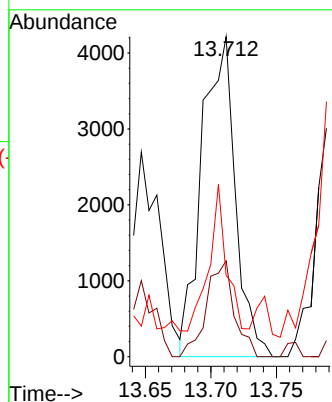
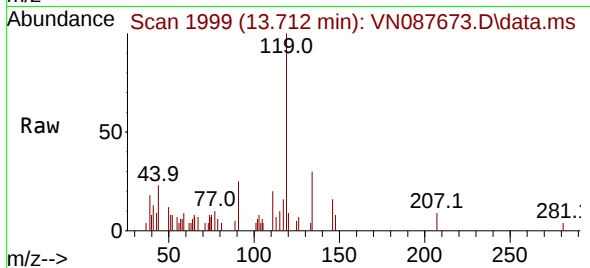




#86
p-Isopropyltoluene
Concen: 0.624 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.006 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

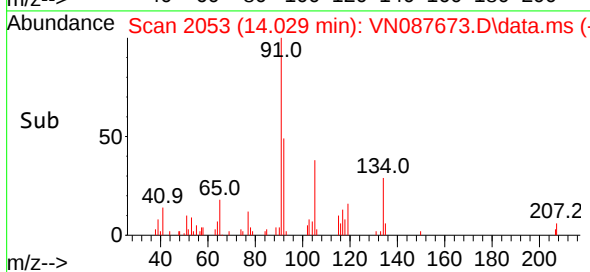
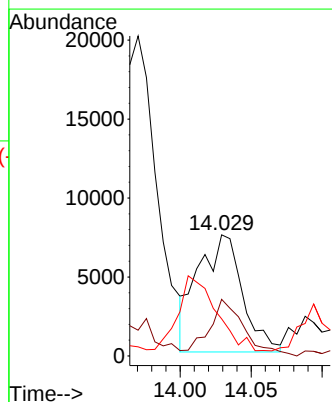
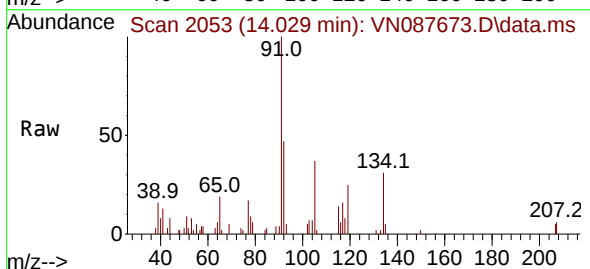
Instrument :
MSVOA_N
ClientSampleId :
MW1

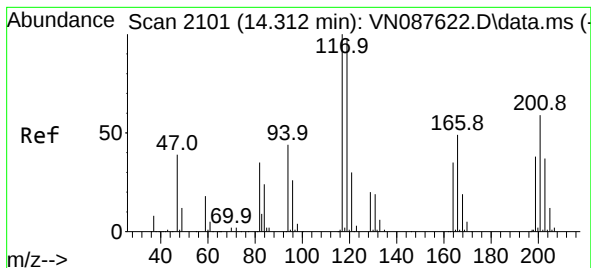
Tgt Ion:119 Resp: 7468
Ion Ratio Lower Upper
119 100
134 24.9 12.7 38.0
91 24.0 12.5 37.5



#89
n-Butylbenzene
Concen: 1.361 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VN087673.D
Acq: 26 Aug 2025 16:24

Tgt Ion: 91 Resp: 16174
Ion Ratio Lower Upper
91 100
92 38.1 25.9 77.8
134 0.0 11.7 35.0#





#90

Hexachloroethane

Concen: 4.373 ug/l

RT: 14.370 min Scan# 2111

Delta R.T. 0.059 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

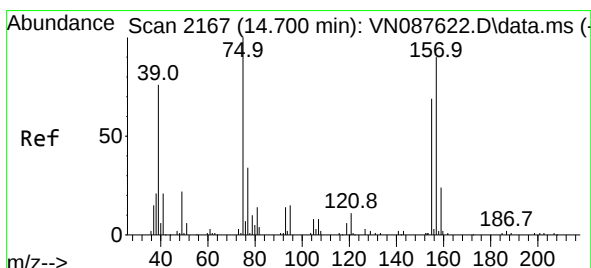
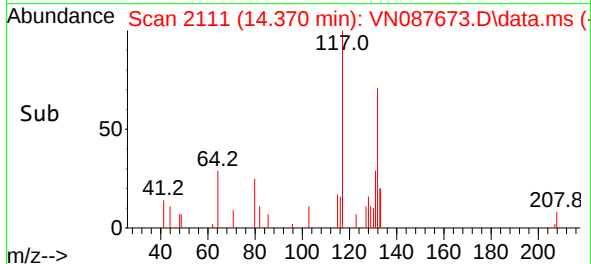
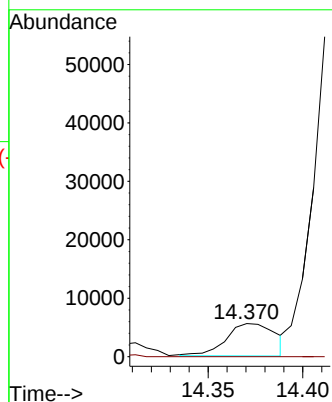
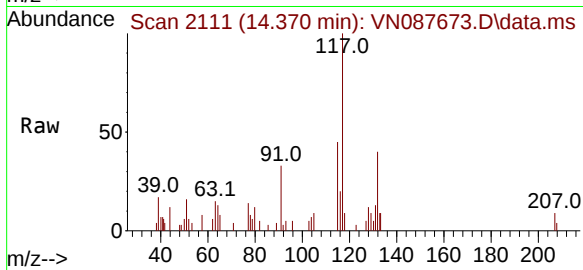
MW1

Tgt Ion:117 Resp: 9967

Ion Ratio Lower Upper

117 100

201 0.0 29.1 87.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.227 ug/l

RT: 14.753 min Scan# 2176

Delta R.T. 0.053 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

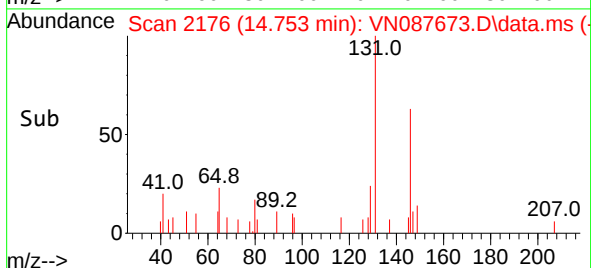
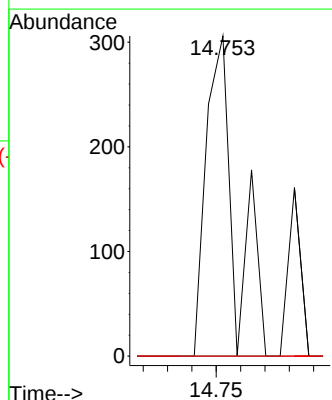
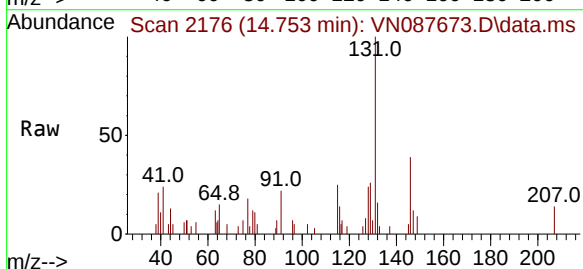
Tgt Ion: 75 Resp: 256

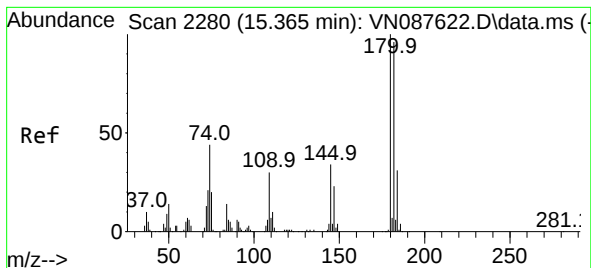
Ion Ratio Lower Upper

75 100

155 0.0 36.6 109.9#

157 0.0 45.6 136.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.405 ug/l

RT: 15.364 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

MW1

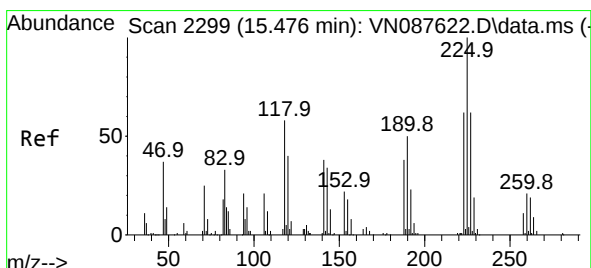
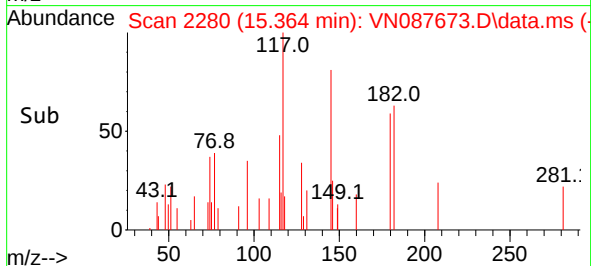
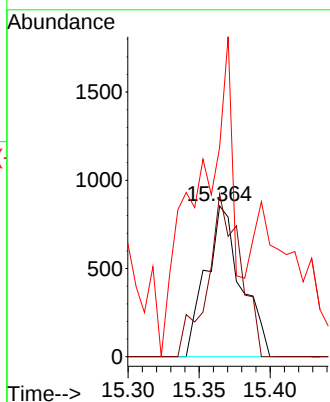
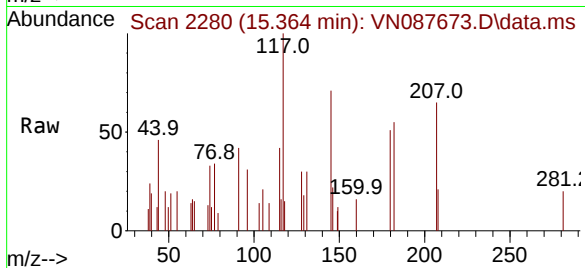
Tgt Ion:180 Resp: 1478

Ion Ratio Lower Upper

180 100

182 101.2 47.6 142.9

145 215.2 16.5 49.5#



#94

Hexachlorobutadiene

Concen: 0.372 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. -0.000 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

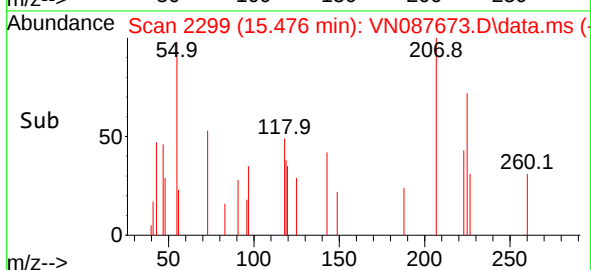
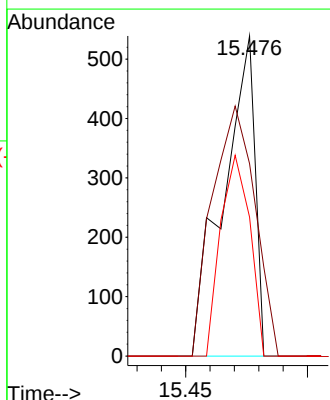
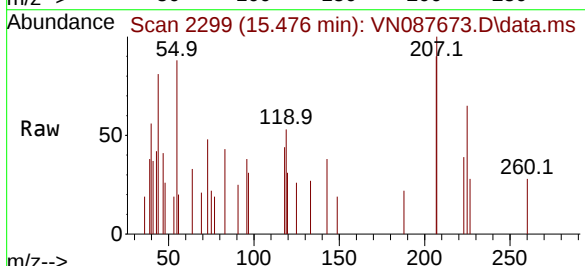
Tgt Ion:225 Resp: 484

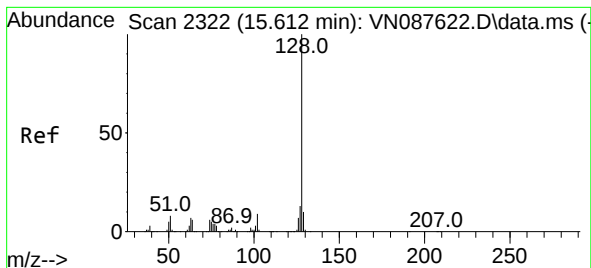
Ion Ratio Lower Upper

225 100

223 106.2 32.0 96.2#

227 58.5 32.1 96.5





#95

Naphthalene

Concen: 1.249 ug/l

RT: 15.617 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

Instrument :

MSVOA_N

ClientSampleId :

MW1

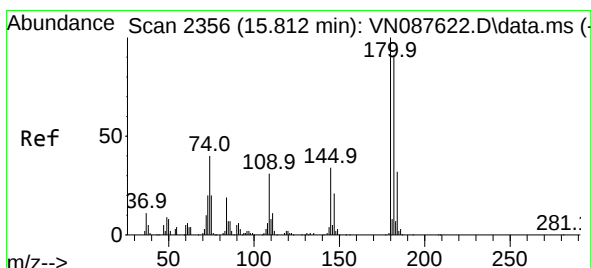
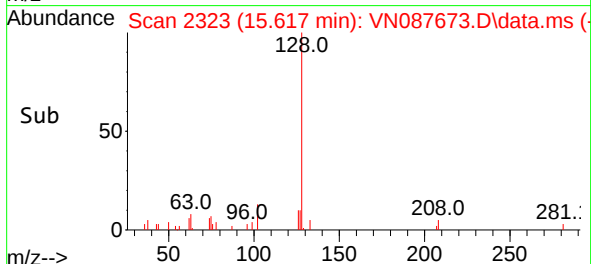
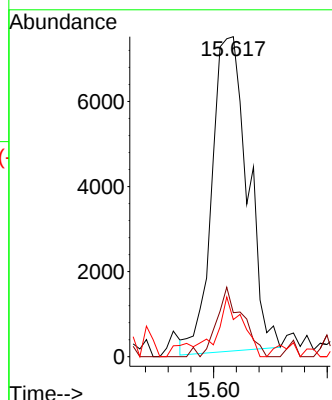
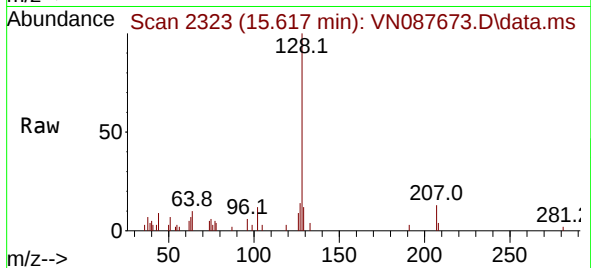
Tgt Ion:128 Resp: 16159

Ion Ratio Lower Upper

128 100

127 16.1 10.6 15.8#

129 15.5 8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 0.404 ug/l

RT: 15.817 min Scan# 2357

Delta R.T. 0.006 min

Lab File: VN087673.D

Acq: 26 Aug 2025 16:24

Tgt Ion:180 Resp: 1442

Ion Ratio Lower Upper

180 100

182 97.9 46.8 140.3

145 0.0 17.3 52.0#

