

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
 Data File : VN087825.D
 Acq On : 15 Sep 2025 10:50
 Operator : JC\MD
 Sample : Q3083-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4S

Quant Time: Sep 16 01:31:47 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	187821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	405329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	389909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	188048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	188783	49.057	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.120%
35) Dibromofluoromethane	8.153	113	151475	51.760	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.520%
50) Toluene-d8	10.547	98	523037	47.752	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.500%
62) 4-Bromofluorobenzene	12.829	95	181914	46.701	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.400%
Target Compounds						
					Qvalue	
5) Bromomethane	3.001	94	1075	0.655	ug/l #	3
8) Diethyl Ether	3.959	74	646944	318.984	ug/l	97
10) Methyl Iodide	4.595	142	231	6.912	ug/l #	73
11) Tert butyl alcohol	5.530	59	8105	12.132	ug/l #	82
13) Acrolein	4.165	56	339	0.413	ug/l #	1
15) Acrylonitrile	5.718	53	396	0.210	ug/l #	38
16) Acetone	4.418	43	43052	20.551	ug/l	99
18) Methyl Acetate	5.006	43	1198	0.273	ug/l #	54
20) Methylene Chloride	5.265	84	308	Below Cal	#	48
21) trans-1,2-Dichloroethene	5.759	96	989	0.337	ug/l #	12
22) Diisopropyl ether	6.659	45	115261	10.884	ug/l #	93
23) Vinyl Acetate	6.653	43	69538	7.218	ug/l #	72
29) Tetrahydrofuran	7.830	42	137795	77.689	ug/l	99
31) Cyclohexane	8.224	56	13440	2.777	ug/l #	78
36) 1,1-Dichloropropene	8.206	75	18493	4.119	ug/l #	50
37) Ethyl Acetate	7.541	43	7660	1.249	ug/l #	88
38) Carbon Tetrachloride	8.206	117	20768	4.685	ug/l #	16
39) Methylcyclohexane	9.582	83	10225	2.069	ug/l	91
41) Methacrylonitrile	7.830	41	83249	26.196	ug/l #	50
43) Isopropyl Acetate	8.647	43	30303	3.164	ug/l #	59
49) 1,4-Dioxane	9.682	88	4662	79.391	ug/l #	86
52) Toluene	10.612	92	3312	0.388	ug/l	78
55) 1,1,2-Trichloroethane	10.988	97	697	0.211	ug/l #	14
65) Chlorobenzene	11.871	112	158841	16.375	ug/l	97
68) m/p-Xylenes	12.053	106	2655	0.431	ug/l	98
69) o-Xylene	12.371	106	1310	0.217	ug/l	95
73) Isopropylbenzene	12.671	105	5777	0.380	ug/l	97
76) 1,2,3-Trichloropropane	12.829	75	102333	23.206	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	102333	61.434	ug/l #	2
83) tert-Butylbenzene	13.412	119	3593	0.334	ug/l	80
84) 1,2,4-Trimethylbenzene	13.323	105	2910	0.226	ug/l	73
85) sec-Butylbenzene	13.594	105	3742	0.235	ug/l #	76
86) p-Isopropyltoluene	13.859	119	6407	0.487	ug/l	95
87) 1,3-Dichlorobenzene	13.712	146	4373	0.620	ug/l #	71
88) 1,4-Dichlorobenzene	13.794	146	5485	0.747	ug/l #	51
89) n-Butylbenzene	14.029	91	3066	0.235	ug/l #	79

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

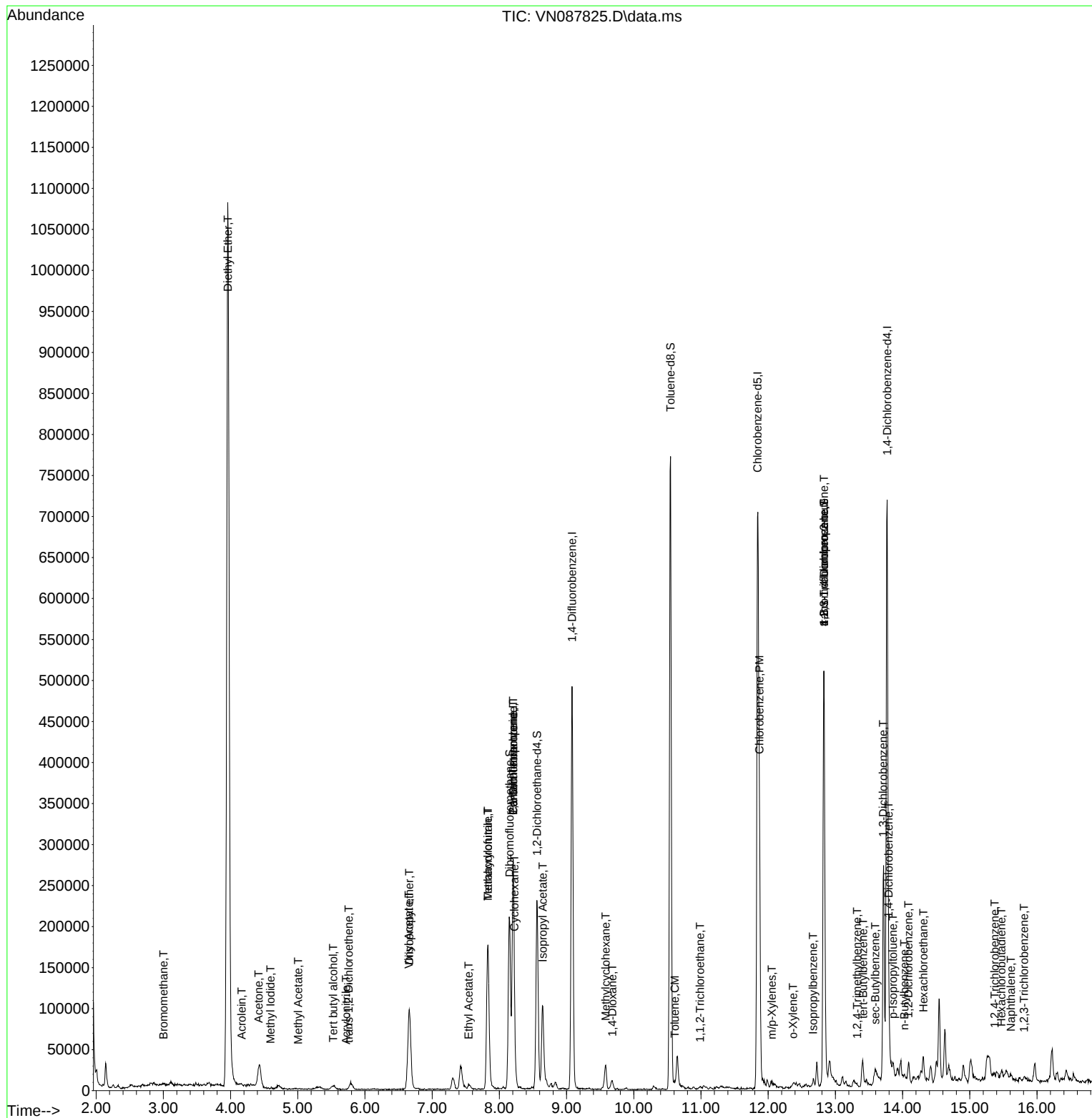
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	14.312	117	3504	1.397	ug/l #	28
91) 1,2-Dichlorobenzene	14.088	146	4280	0.639	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	2002	0.498	ug/l	76
94) Hexachlorobutadiene	15.470	225	1140	0.796	ug/l	80
95) Naphthalene	15.611	128	5410	0.380	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.806	180	1619	0.412	ug/l	94

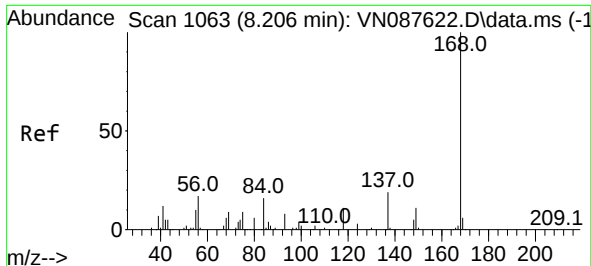
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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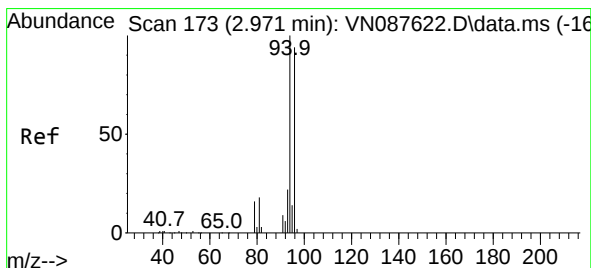
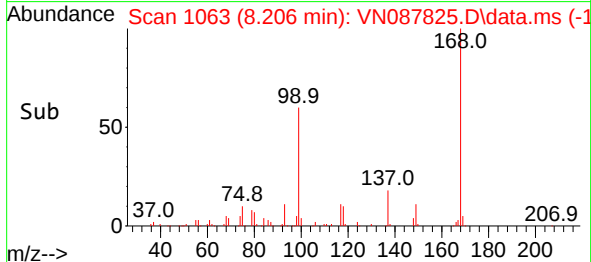
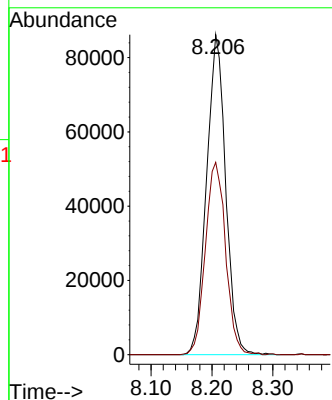
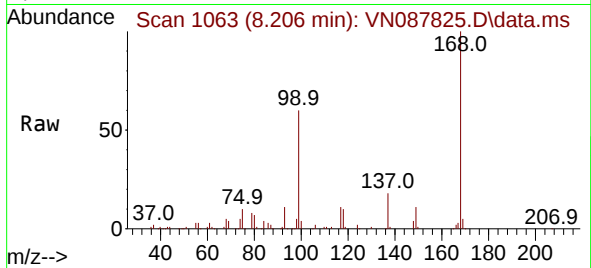




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
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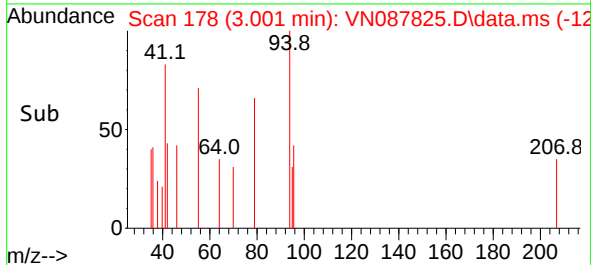
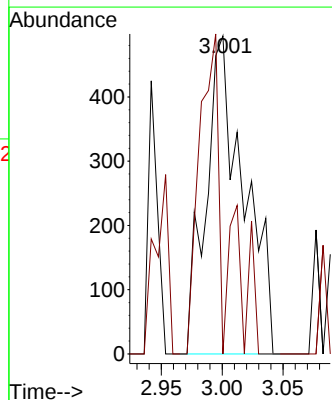
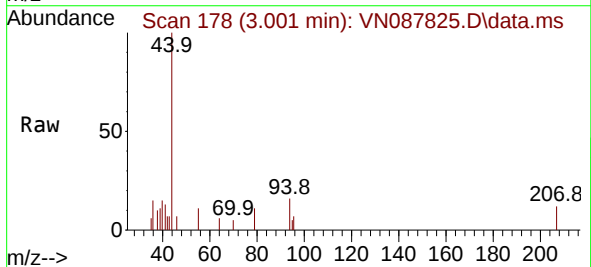
Instrument :
MSVOA_N
ClientSampleId :
MW4S

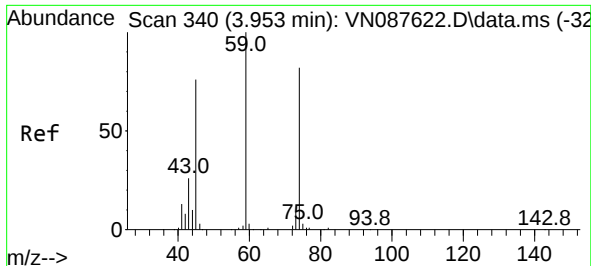
Tgt Ion:168 Resp: 187821
Ion Ratio Lower Upper
168 100
99 60.1 57.2 85.8



#5
Bromomethane
Concen: 0.655 ug/l
RT: 3.001 min Scan# 178
Delta R.T. 0.029 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion: 94 Resp: 1075
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.2#





#8

Diethyl Ether

Concen: 318.984 ug/l

RT: 3.959 min Scan# 341

Delta R.T. 0.006 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

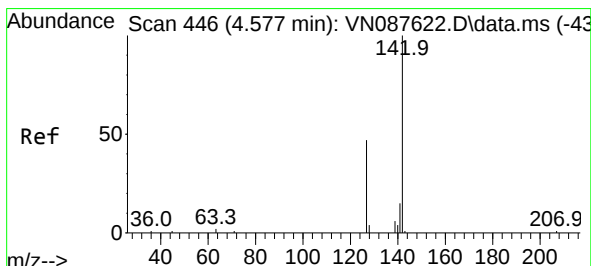
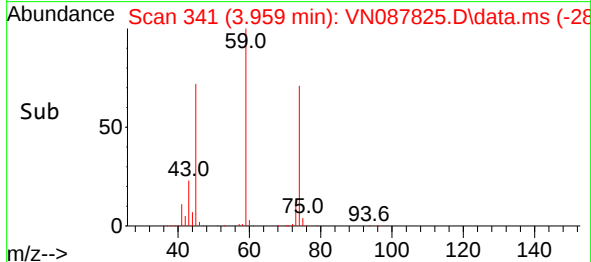
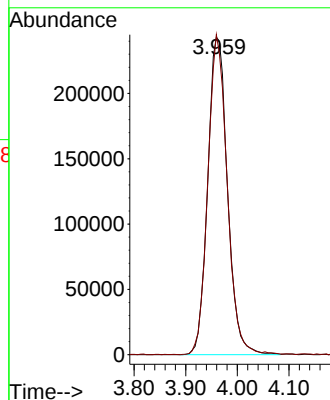
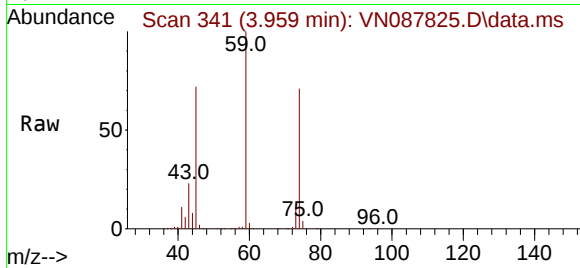
MW4S

Tgt Ion: 74 Resp: 646944

Ion Ratio Lower Upper

74 100

45 98.6 50.6 151.9



#10

Methyl Iodide

Concen: 6.912 ug/l

RT: 4.595 min Scan# 449

Delta R.T. 0.018 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

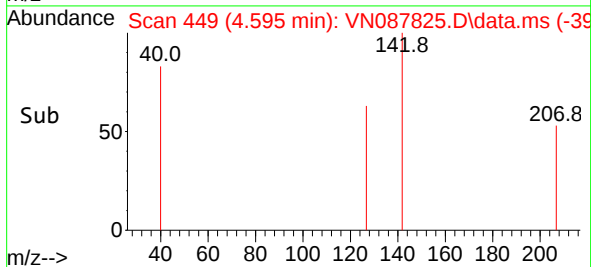
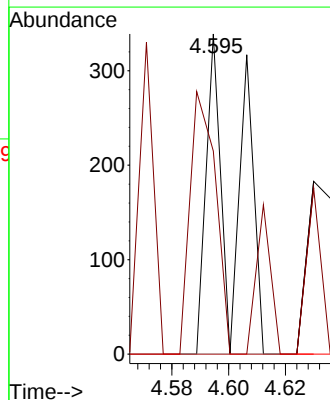
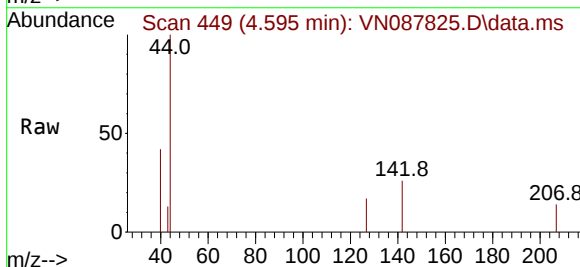
Tgt Ion: 142 Resp: 231

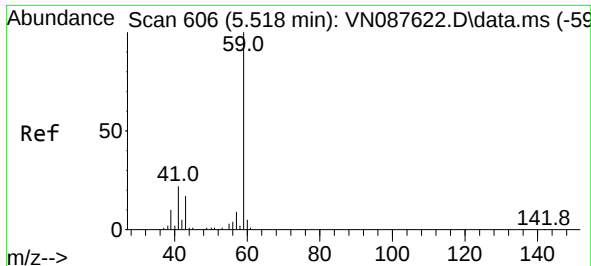
Ion Ratio Lower Upper

142 100

127 63.4 38.0 57.0#

141 0.0 12.0 18.0#

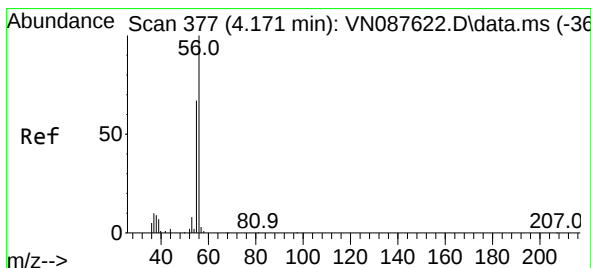
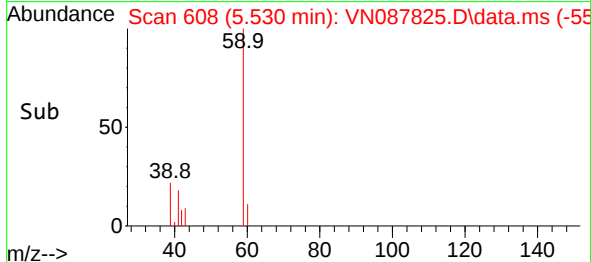
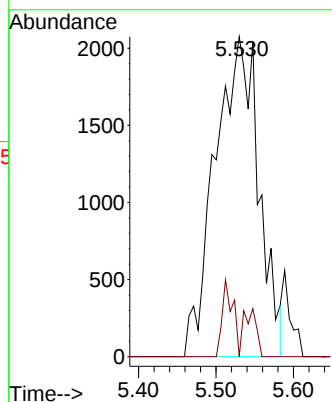
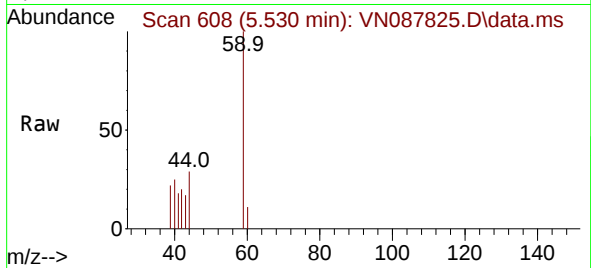




#11
Tert butyl alcohol
Concen: 12.132 ug/l
RT: 5.530 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

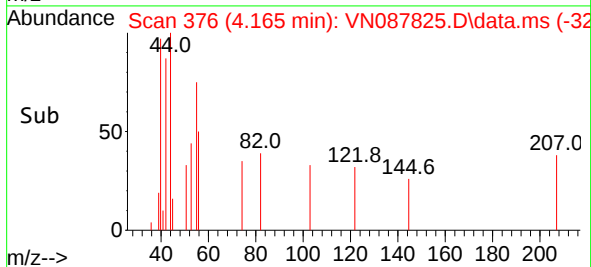
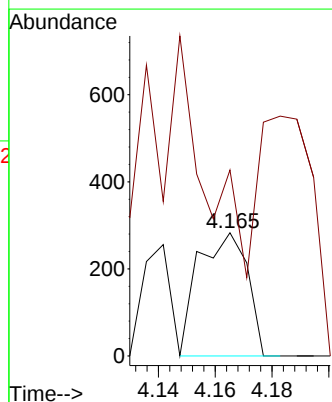
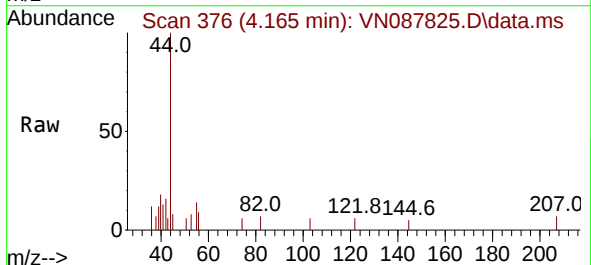
Instrument :
MSVOA_N
ClientSampleId :
MW4S

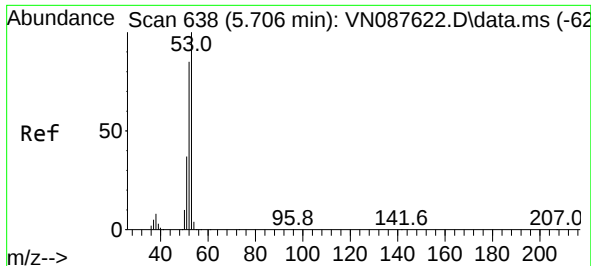
Tgt Ion: 59 Resp: 8105
Ion Ratio Lower Upper
59 100
57 4.3 9.0 13.4#



#13
Acrolein
Concen: 0.413 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.006 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion: 56 Resp: 339
Ion Ratio Lower Upper
56 100
55 212.7 57.3 85.9#

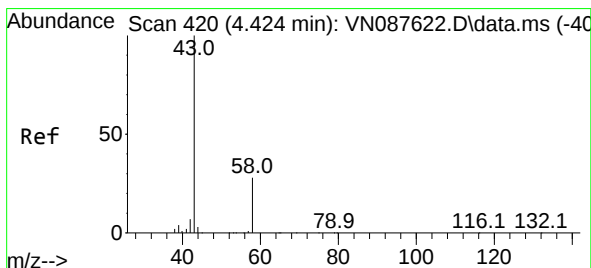
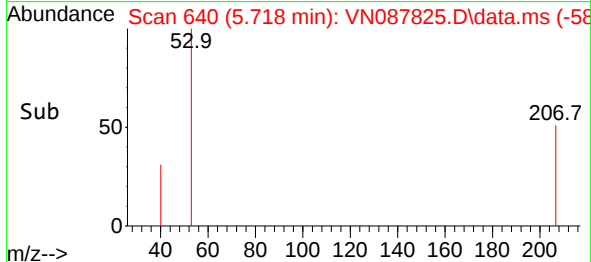
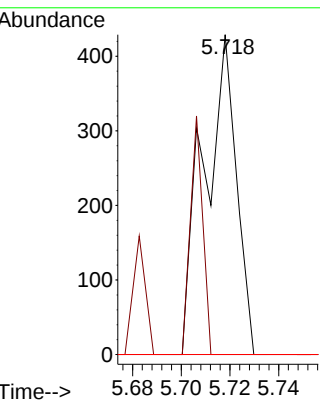
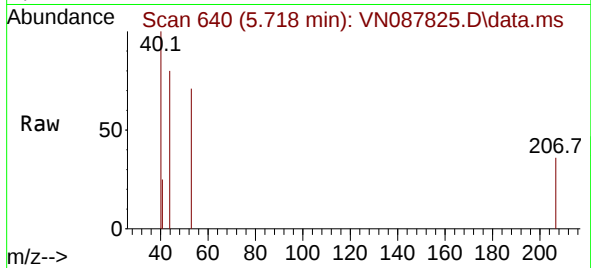




#15
Acrylonitrile
Concen: 0.210 ug/l
RT: 5.718 min Scan# 641
Delta R.T. 0.012 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

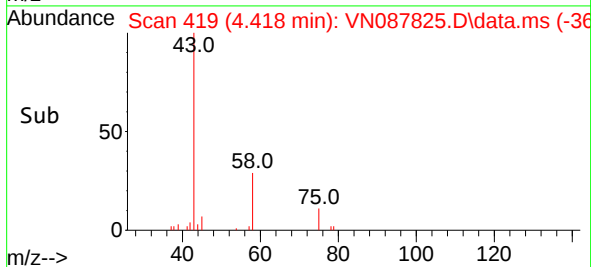
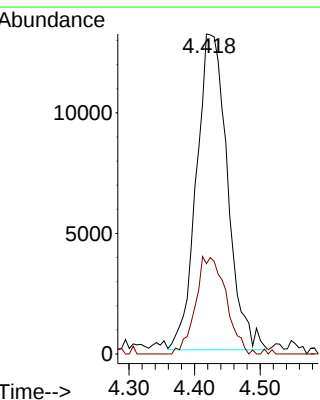
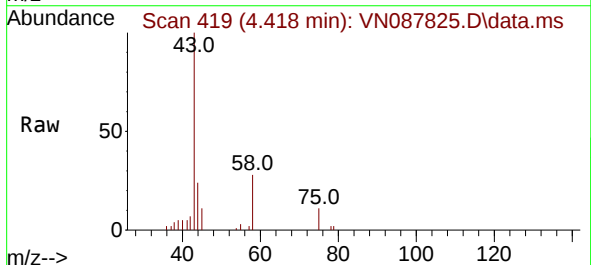
Instrument :
MSVOA_N
ClientSampleId :
MW4S

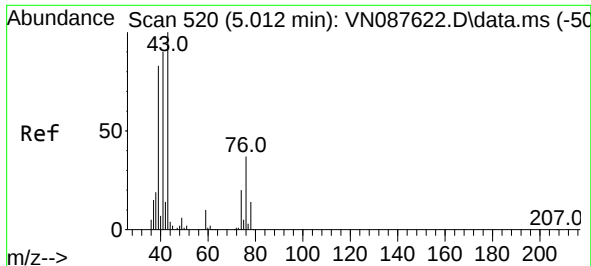
Tgt Ion: 53 Resp: 396
Ion Ratio Lower Upper
53 100
52 28.5 67.6 101.4#
51 0.0 30.1 45.1#



#16
Acetone
Concen: 20.551 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion: 43 Resp: 43052
Ion Ratio Lower Upper
43 100
58 28.6 22.6 33.8





#18

Methyl Acetate

Concen: 0.273 ug/l

RT: 5.006 min Scan# 519

Delta R.T. -0.006 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

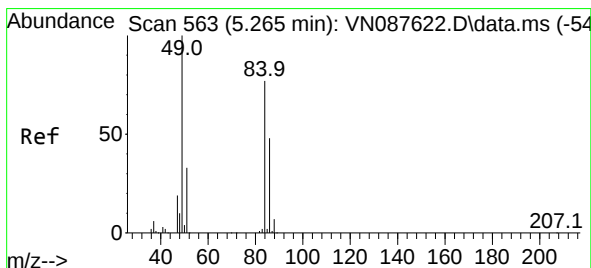
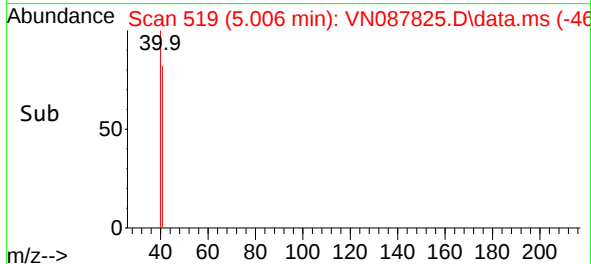
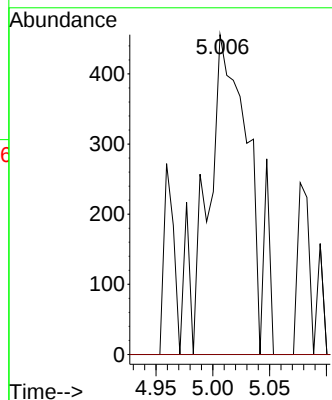
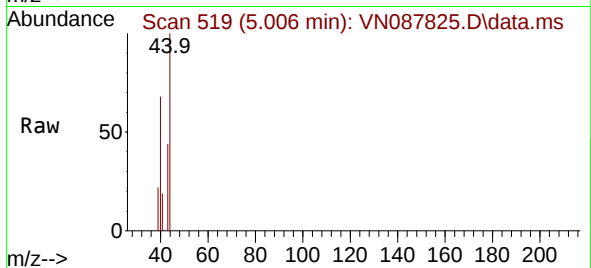
MW4S

Tgt Ion: 43 Resp: 1198

Ion Ratio Lower Upper

43 100

74 0.0 17.6 26.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.265 min Scan# 563

Delta R.T. 0.000 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

Tgt Ion: 84 Resp: 308

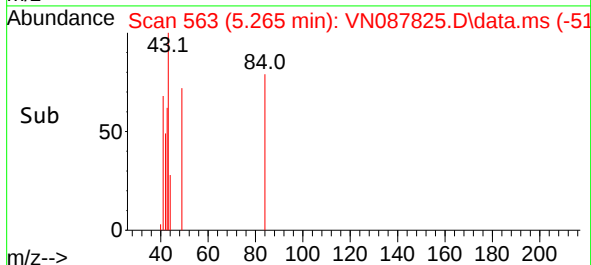
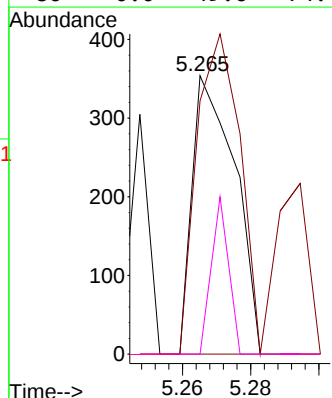
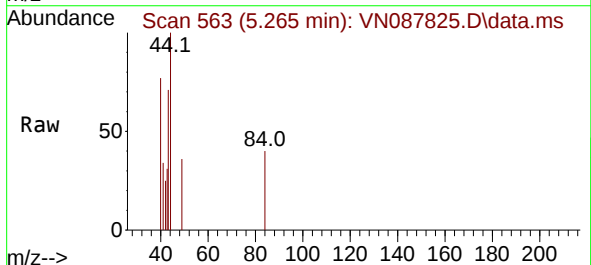
Ion Ratio Lower Upper

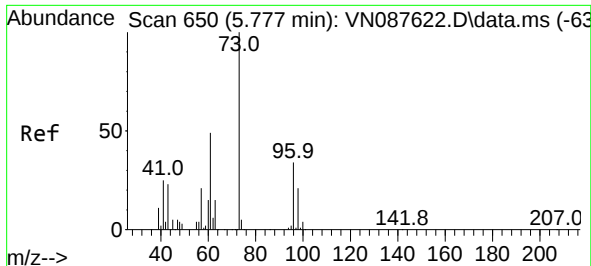
84 100

49 91.0 103.4 155.2#

51 0.0 33.8 50.8#

86 0.0 49.6 74.4#

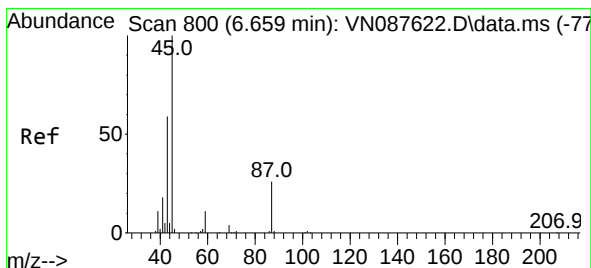
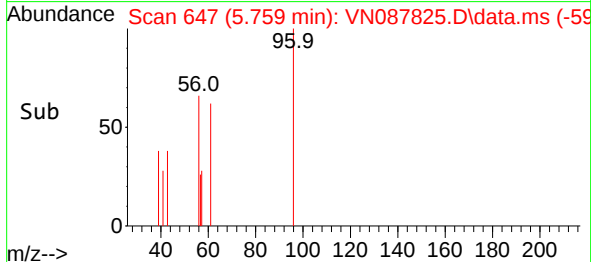
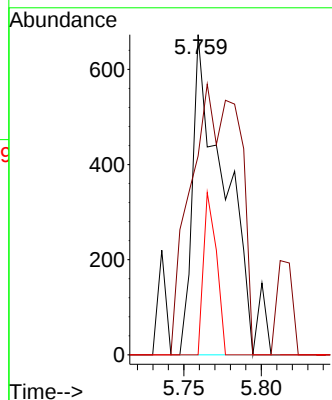
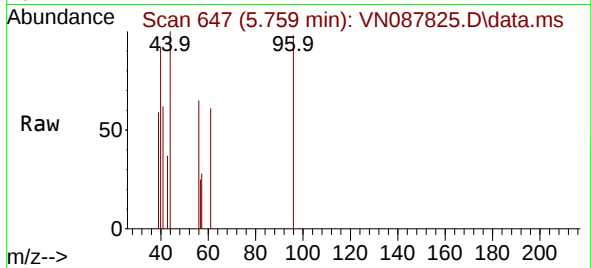




#21
trans-1,2-Dichloroethene
Concen: 0.337 ug/l
RT: 5.759 min Scan# 647
Delta R.T. -0.018 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

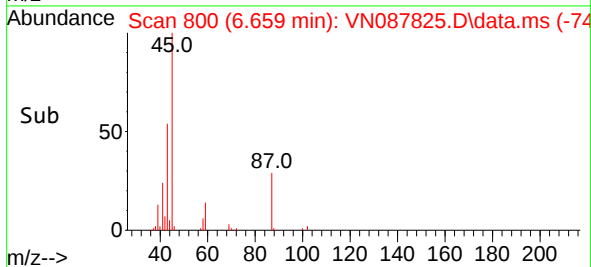
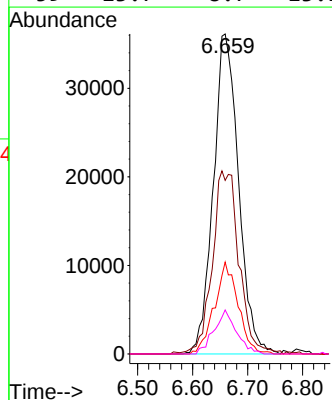
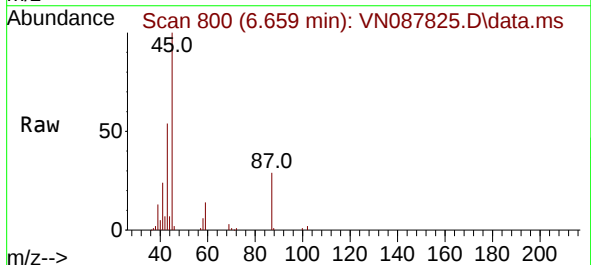
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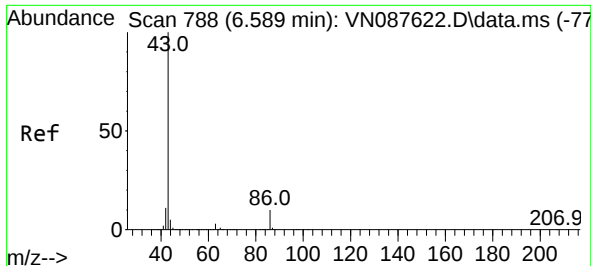
Tgt Ion: 96 Resp: 989
Ion Ratio Lower Upper
96 100
61 32.7 118.0 177.0#
98 0.0 50.0 75.0#



#22
Diisopropyl ether
Concen: 10.884 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion: 45 Resp: 115261
Ion Ratio Lower Upper
45 100
43 53.8 47.7 71.5
87 28.7 21.4 32.0
59 13.7 8.7 13.1#

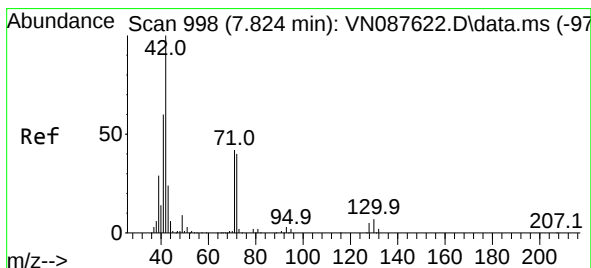
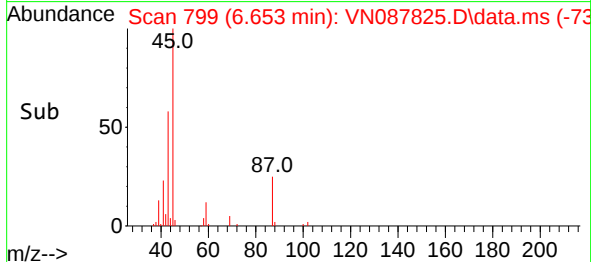
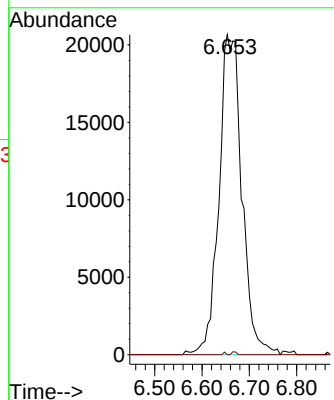
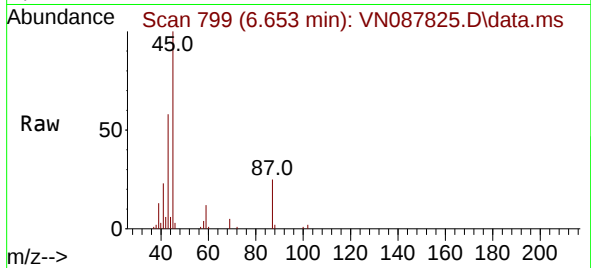




#23
 Vinyl Acetate
 Concen: 7.218 ug/l
 RT: 6.653 min Scan# 799
 Delta R.T. 0.065 min
 Lab File: VN087825.D
 Acq: 15 Sep 2025 10:50

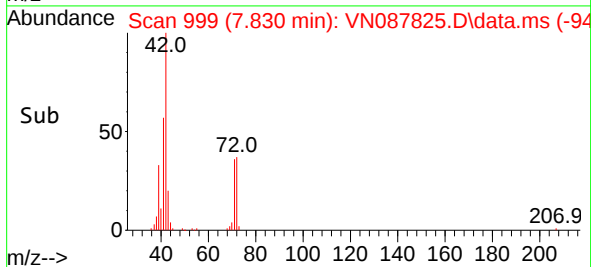
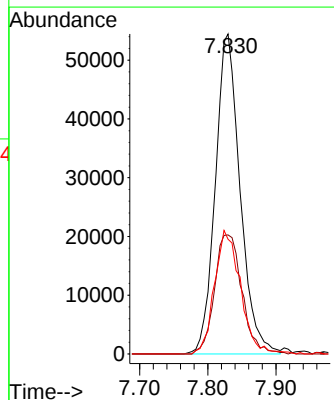
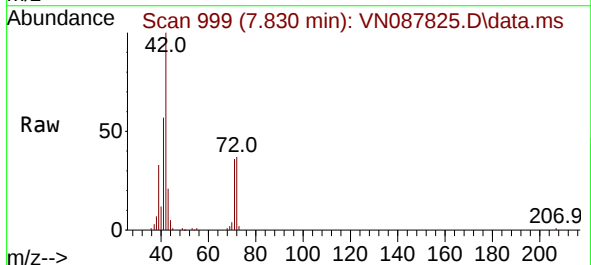
Instrument :
 MSVOA_N
 ClientSampleId :
 MW4S

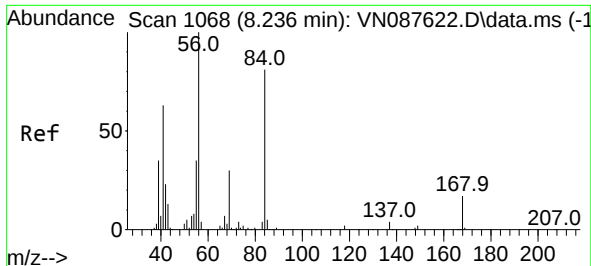
Tgt Ion: 43 Resp: 69538
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#29
 Tetrahydrofuran
 Concen: 77.689 ug/l
 RT: 7.830 min Scan# 999
 Delta R.T. 0.006 min
 Lab File: VN087825.D
 Acq: 15 Sep 2025 10:50

Tgt Ion: 42 Resp: 137795
 Ion Ratio Lower Upper
 42 100
 72 41.2 33.7 50.5
 71 40.4 31.9 47.9

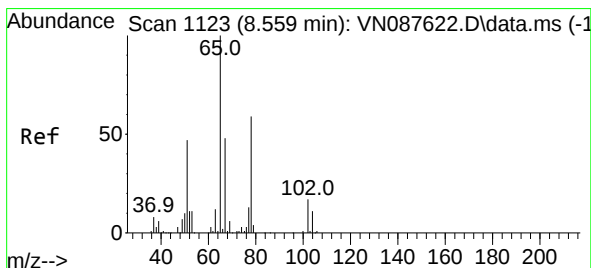
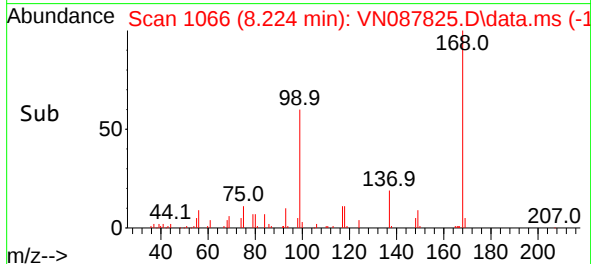
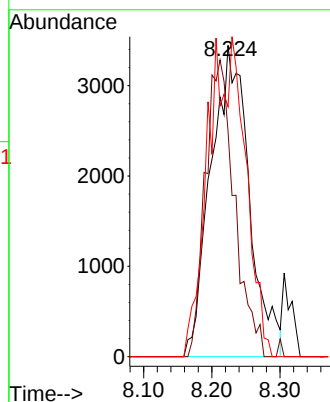
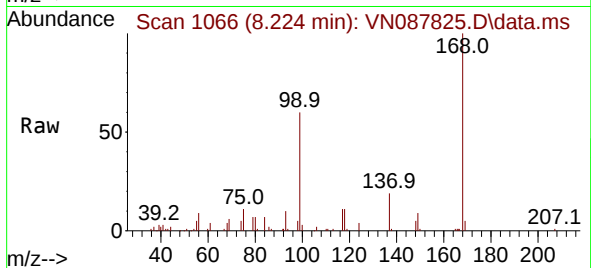




#31
Cyclohexane
Concen: 2.777 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.012 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

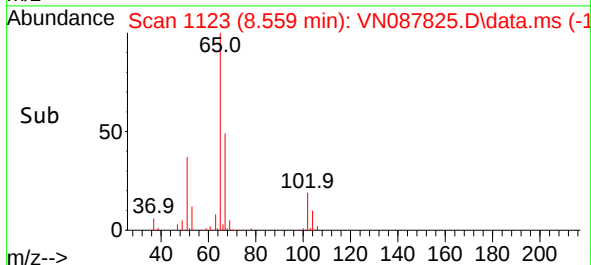
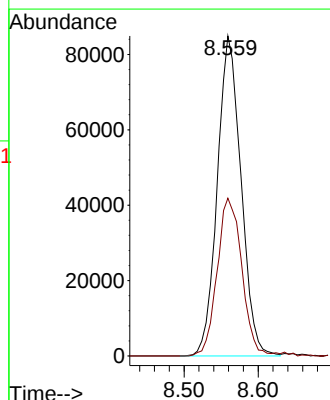
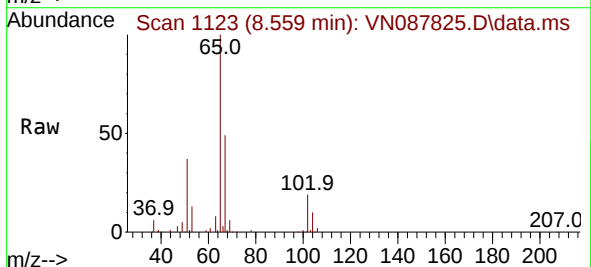
Instrument :
MSVOA_N
ClientSampleId :
MW4S

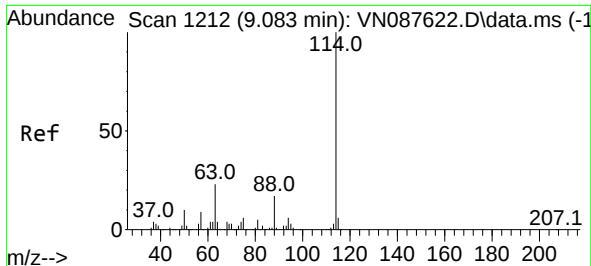
Tgt Ion: 56 Resp: 13440
Ion Ratio Lower Upper
56 100
69 72.4 23.7 35.5#
84 80.3 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 49.057 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion: 65 Resp: 188783
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.0

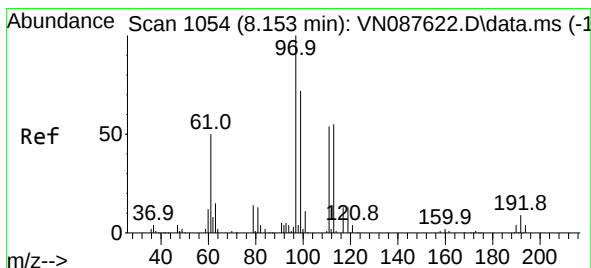
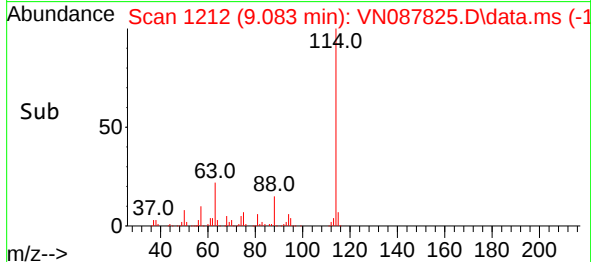
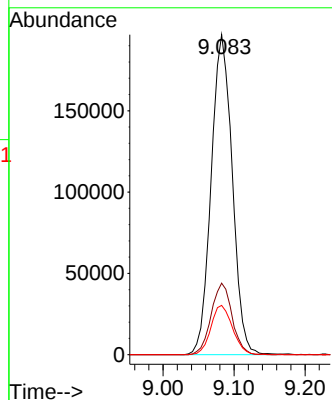
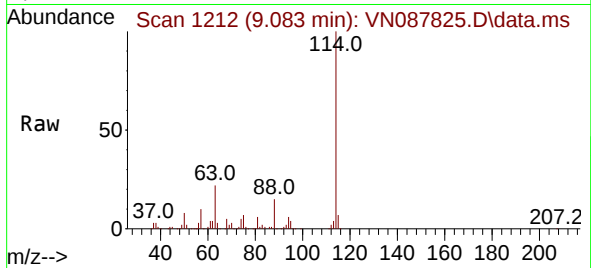




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

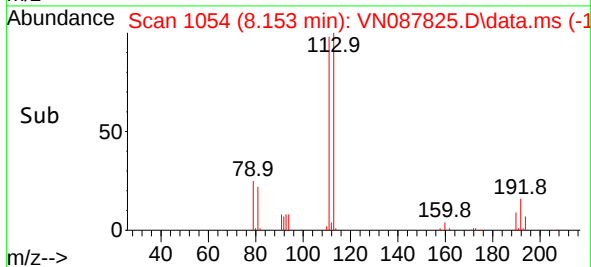
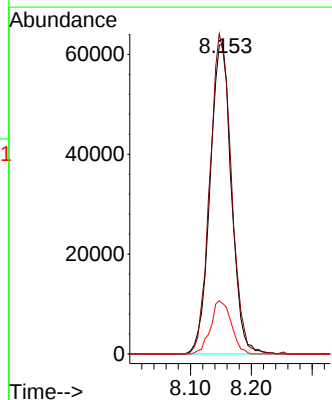
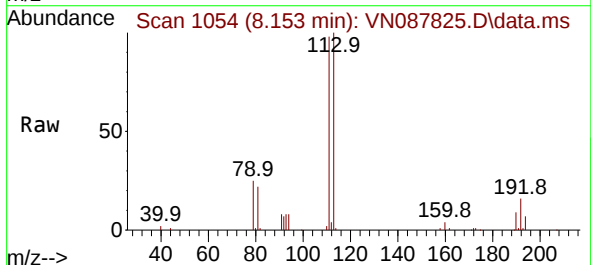
Instrument :
MSVOA_N
ClientSampleId :
MW4S

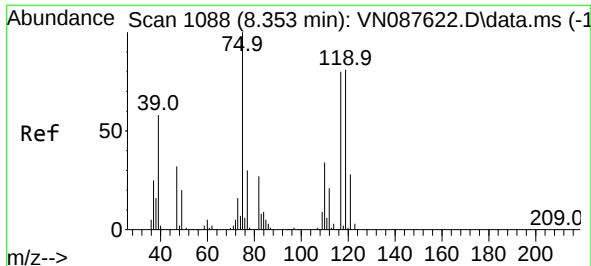
Tgt Ion:114 Resp: 405329
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.2
88 15.4 0.0 33.4



#35
Dibromofluoromethane
Concen: 51.760 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion:113 Resp: 151475
Ion Ratio Lower Upper
113 100
111 103.7 82.8 124.2
192 16.6 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.119 ug/l

RT: 8.206 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

MW4S

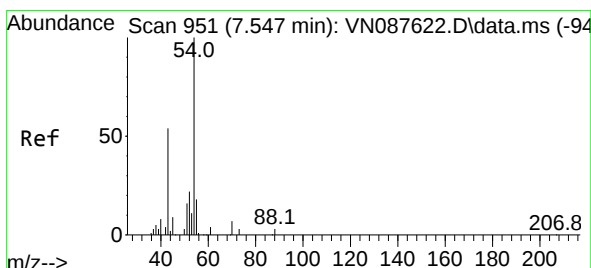
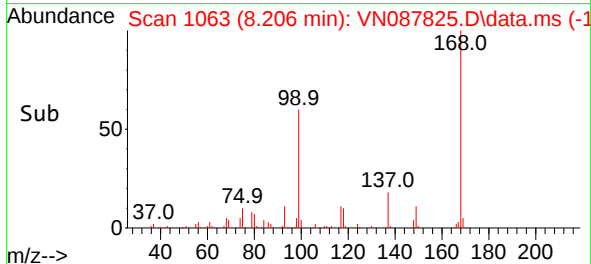
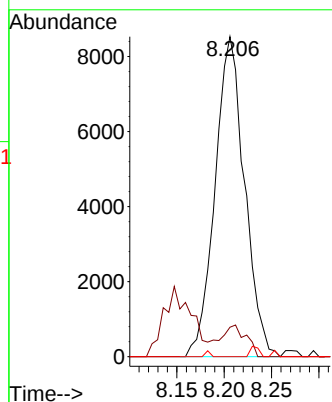
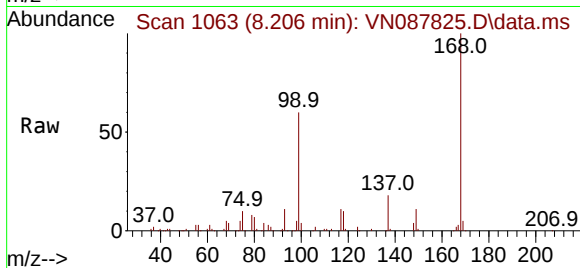
Tgt Ion: 75 Resp: 18493

Ion Ratio Lower Upper

75 100

110 7.0 15.9 47.6#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.249 ug/l

RT: 7.541 min Scan# 950

Delta R.T. -0.006 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

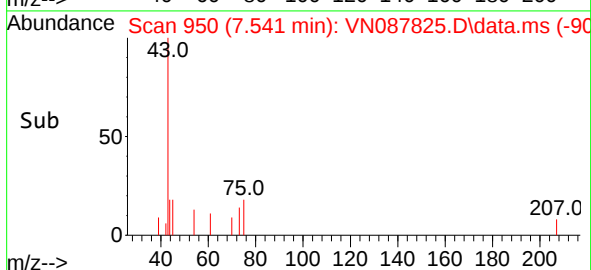
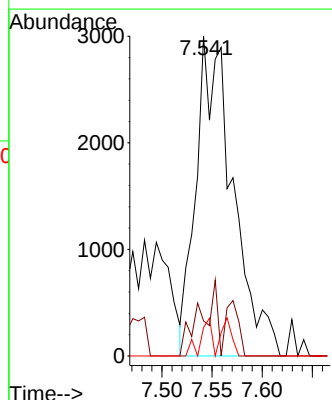
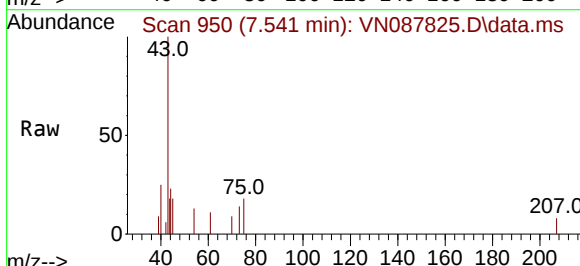
Tgt Ion: 43 Resp: 7660

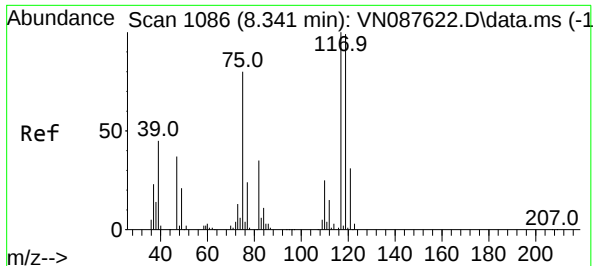
Ion Ratio Lower Upper

43 100

61 7.4 9.3 13.9#

70 3.6 7.0 10.6#

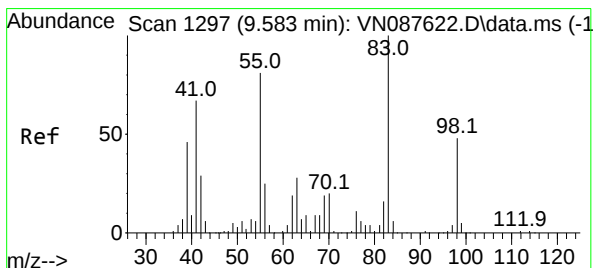
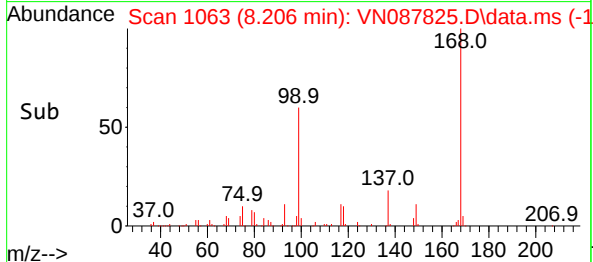
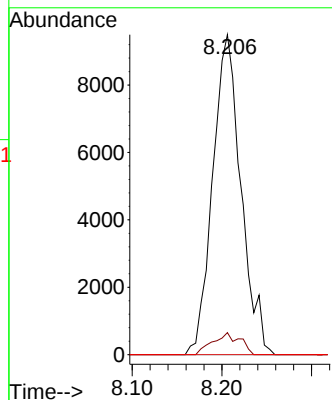
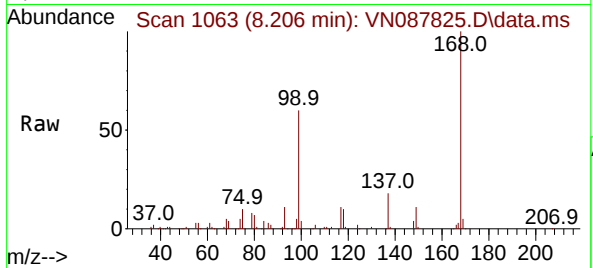




#38
Carbon Tetrachloride
Concen: 4.685 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

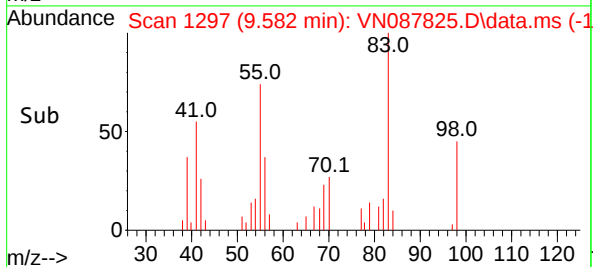
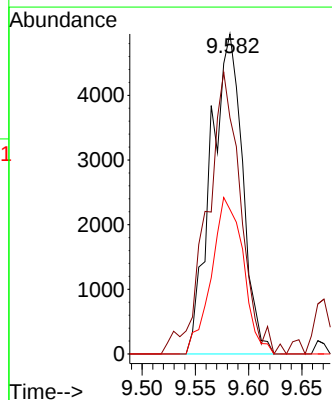
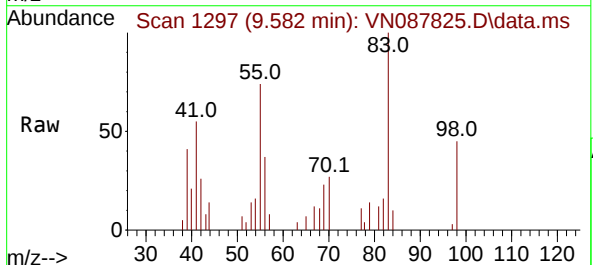
Instrument :
MSVOA_N
ClientSampleId :
MW4S

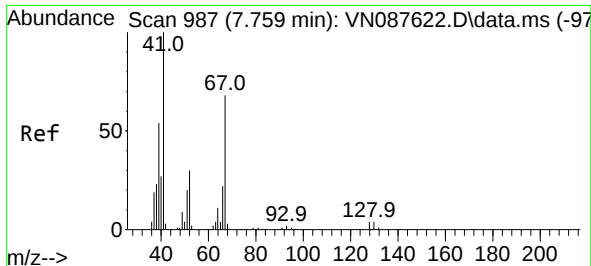
Tgt Ion:117 Resp: 20768
Ion Ratio Lower Upper
117 100
119 6.9 79.0 118.6#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 2.069 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion: 83 Resp: 10225
Ion Ratio Lower Upper
83 100
55 70.7 64.6 96.8
98 45.2 38.4 57.6

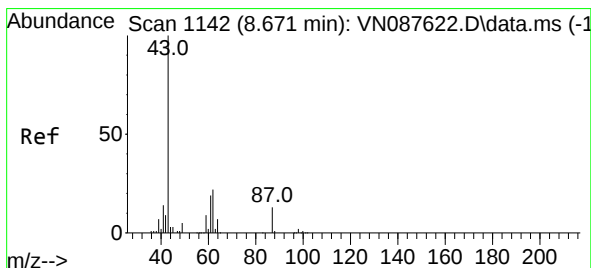
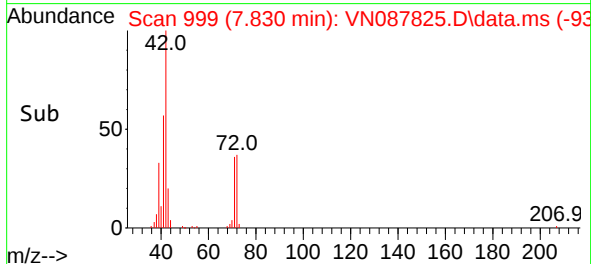
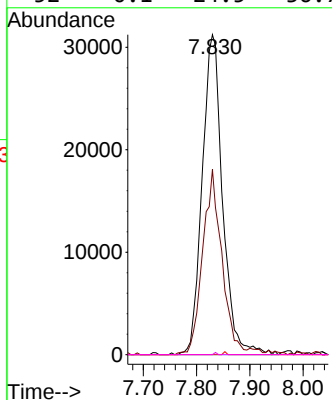
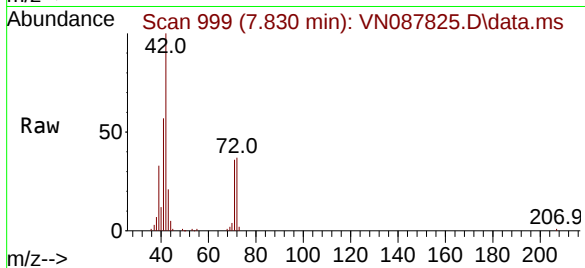




#41
Methacrylonitrile
Concen: 26.196 ug/l
RT: 7.830 min Scan# 91
Delta R.T. 0.071 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

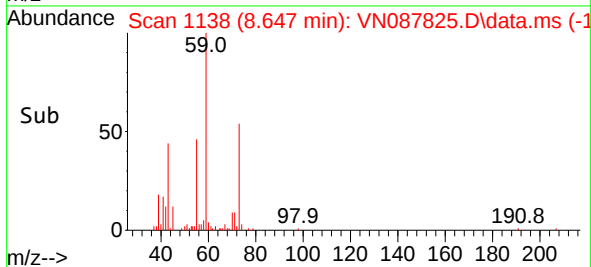
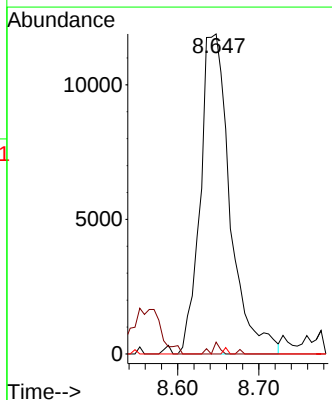
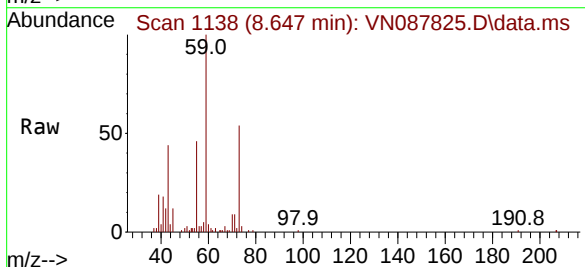
Instrument :
MSVOA_N
ClientSampleId :
MW4S

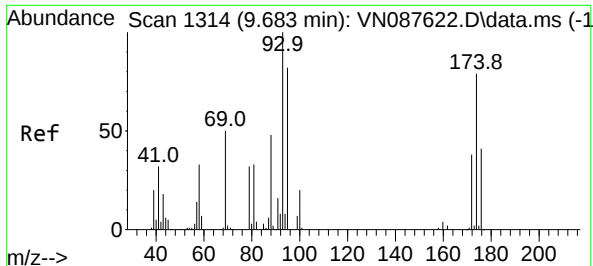
Tgt Ion:	41	Resp:	83249
Ion	Ratio	Lower	Upper
41	100		
39	54.3	45.4	68.0
67	0.0	55.3	82.9#
52	0.1	24.5	36.7#



#43
Isopropyl Acetate
Concen: 3.164 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.024 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion:	43	Resp:	30303
Ion	Ratio	Lower	Upper
43	100		
61	0.9	18.8	28.2#
87	0.3	9.6	14.4#





#49

1,4-Dioxane

Concen: 79.391 ug/l

RT: 9.682 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

MW4S

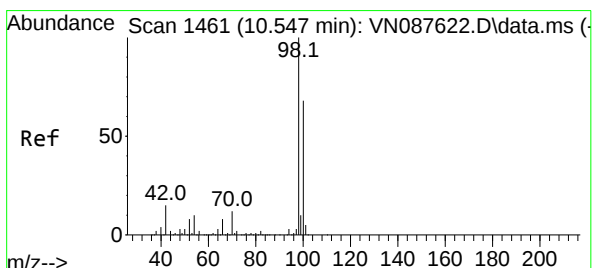
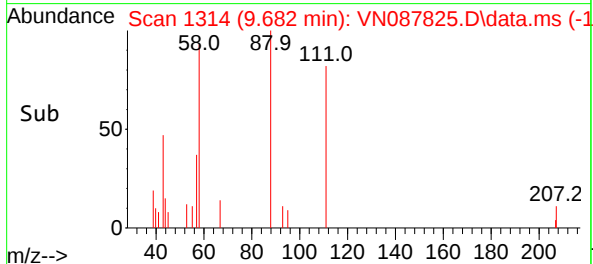
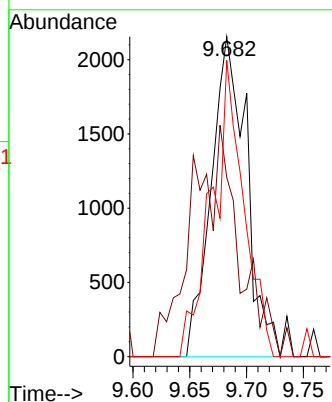
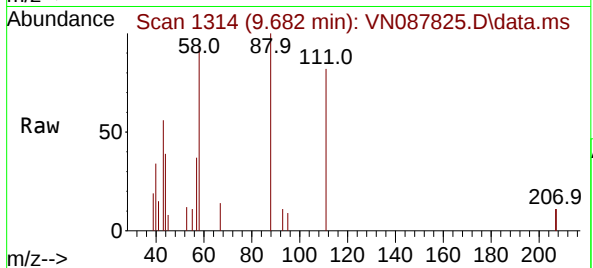
Tgt Ion: 88 Resp: 4662

Ion Ratio Lower Upper

88 100

43 47.9 0.0 0.0#

58 83.7 57.9 86.9



#50

Toluene-d8

Concen: 47.752 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087825.D

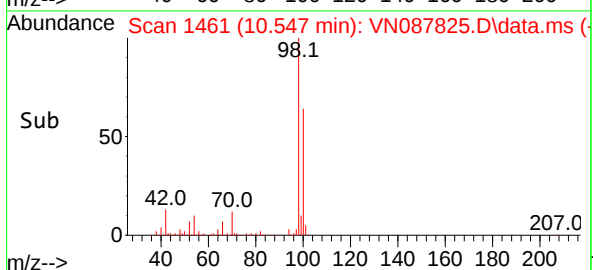
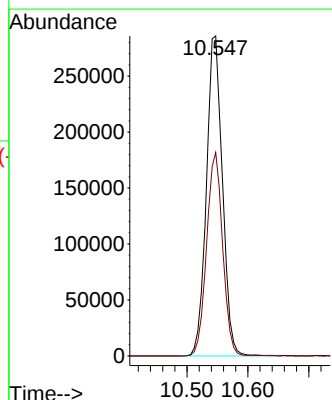
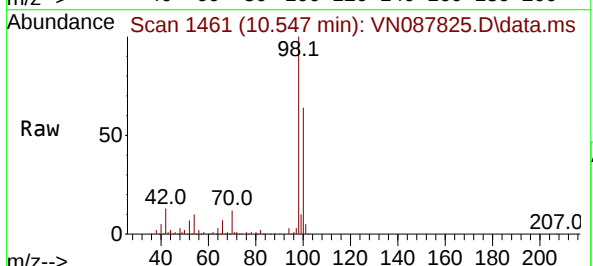
Acq: 15 Sep 2025 10:50

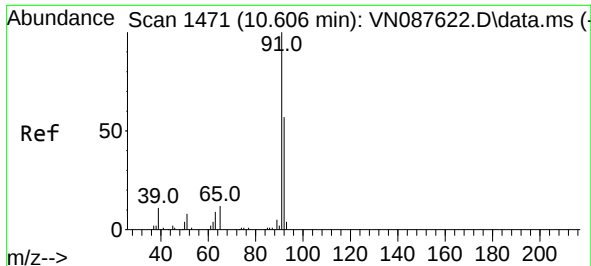
Tgt Ion: 98 Resp: 523037

Ion Ratio Lower Upper

98 100

100 63.5 52.8 79.2





#52

Toluene

Concen: 0.388 ug/l

RT: 10.612 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

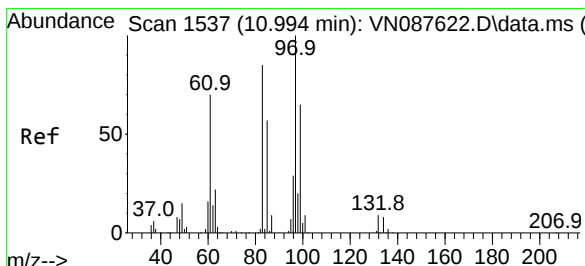
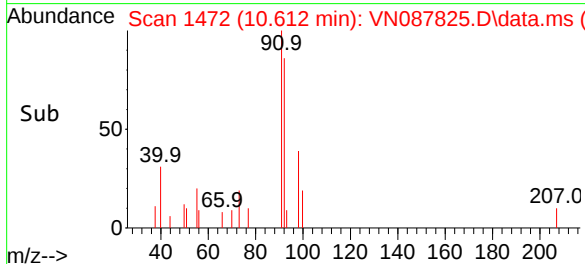
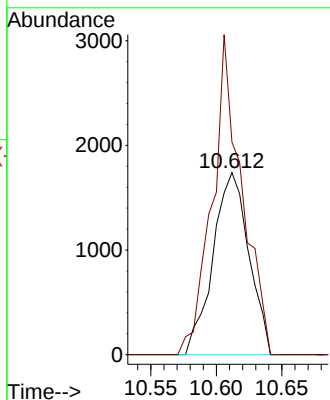
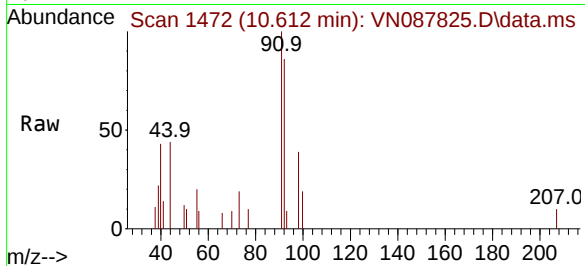
MW4S

Tgt Ion: 92 Resp: 3312

Ion Ratio Lower Upper

92 100

91 144.8 140.4 210.6



#55

1,1,2-Trichloroethane

Concen: 0.211 ug/l

RT: 10.988 min Scan# 1536

Delta R.T. -0.006 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

Tgt Ion: 97 Resp: 697

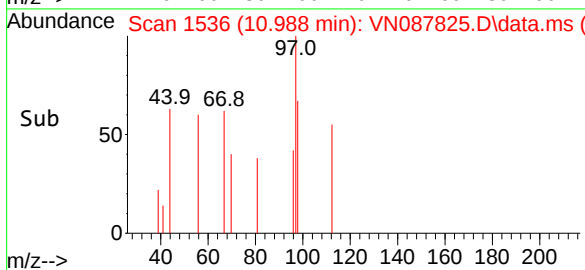
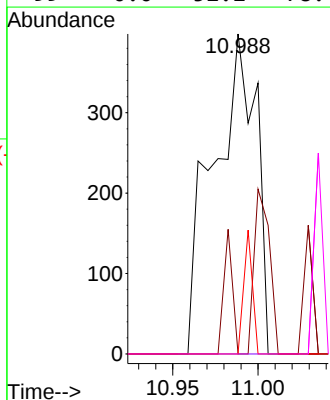
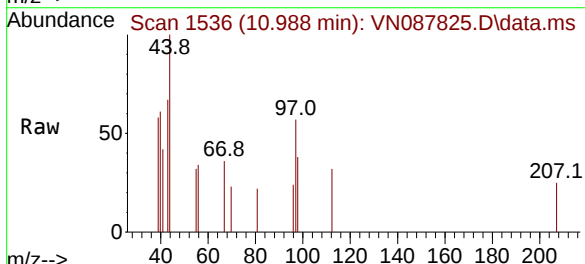
Ion Ratio Lower Upper

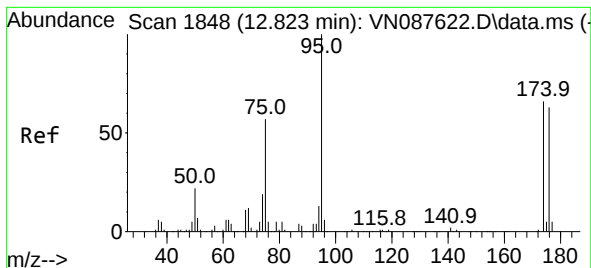
97 100

83 0.0 68.2 102.4#

85 0.0 45.5 68.3#

99 0.0 52.2 78.4#

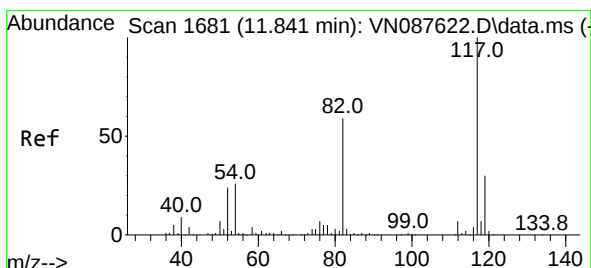
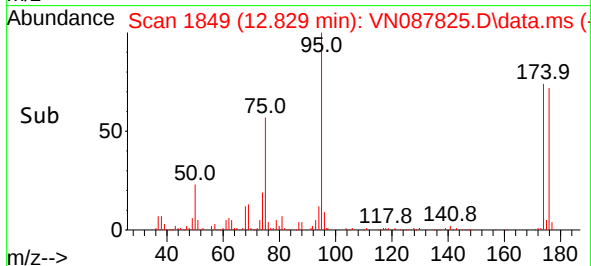
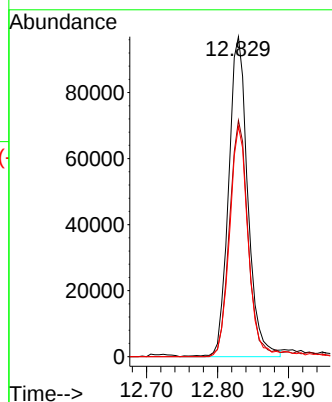
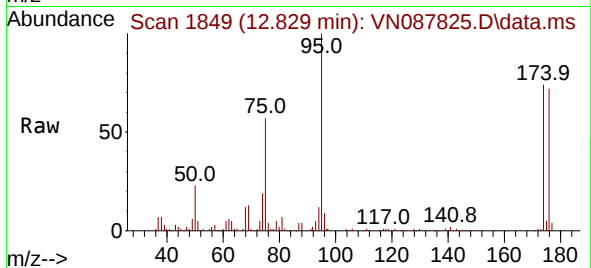




#62
4-Bromofluorobenzene
Concen: 46.701 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

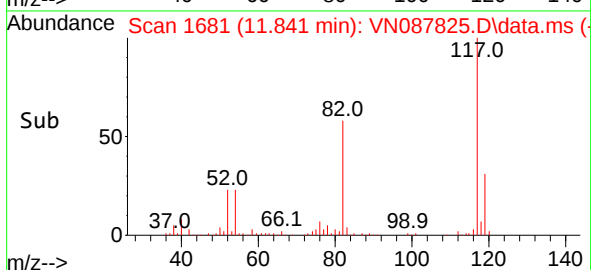
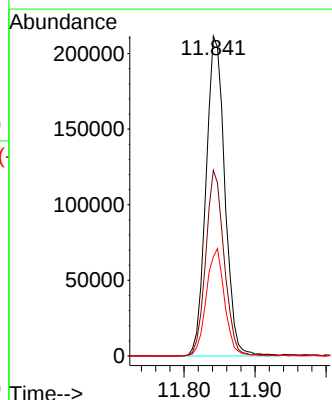
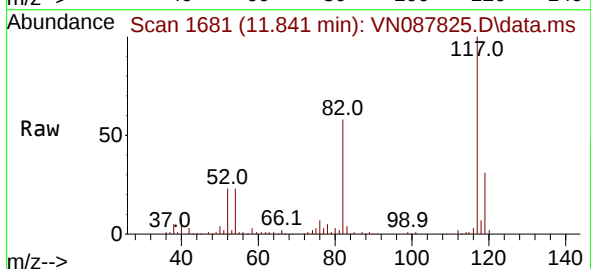
Instrument :
MSVOA_N
ClientSampleId :
MW4S

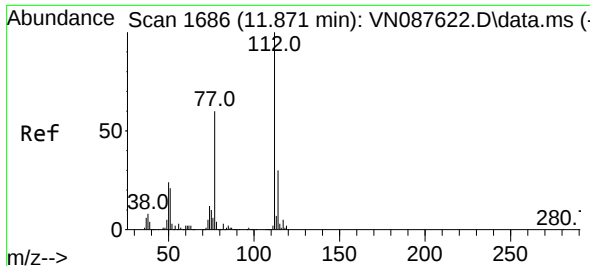
Tgt Ion: 95 Resp: 181914
Ion Ratio Lower Upper
95 100
174 73.1 0.0 138.4
176 71.2 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion: 117 Resp: 389909
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 30.9 24.3 36.5

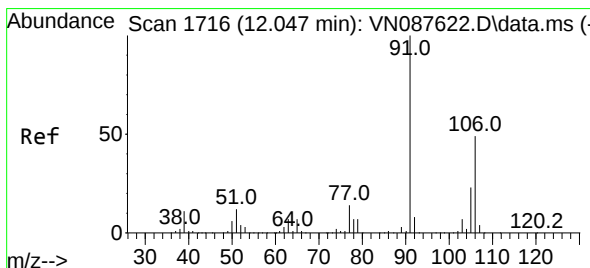
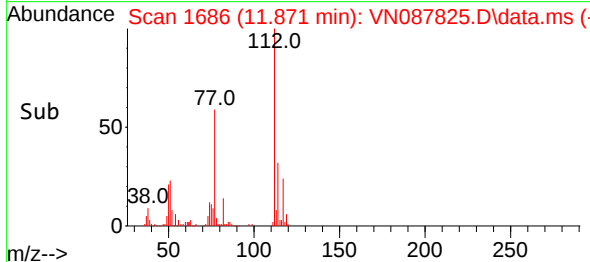
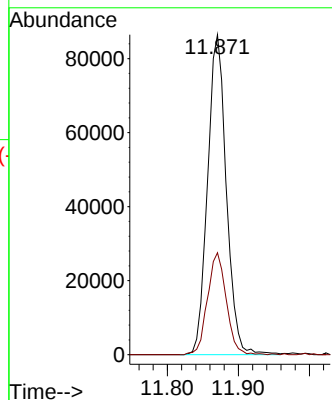
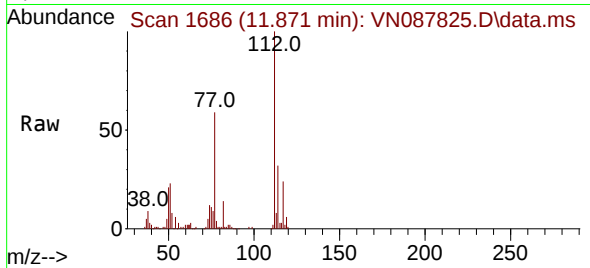




#65
Chlorobenzene
Concen: 16.375 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

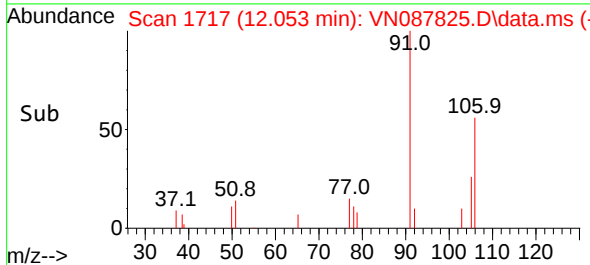
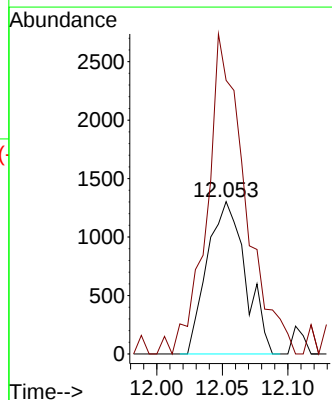
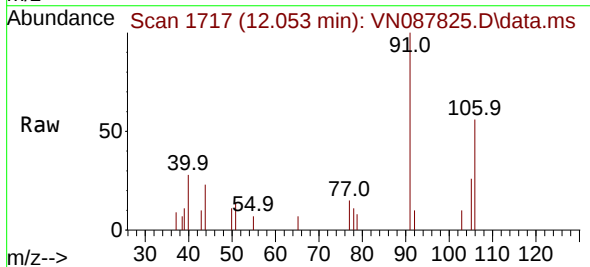
Instrument :
MSVOA_N
ClientSampleId :
MW4S

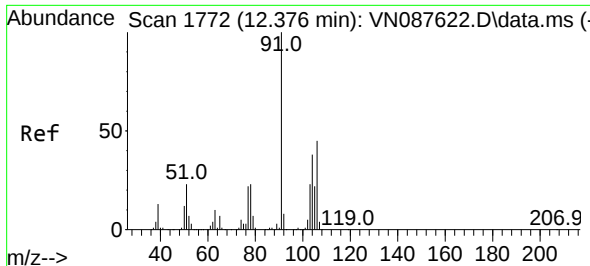
Tgt Ion:112 Resp: 158841
Ion Ratio Lower Upper
112 100
114 31.8 24.3 36.5



#68
m/p-Xylenes
Concen: 0.431 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion:106 Resp: 2655
Ion Ratio Lower Upper
106 100
91 209.0 169.3 253.9

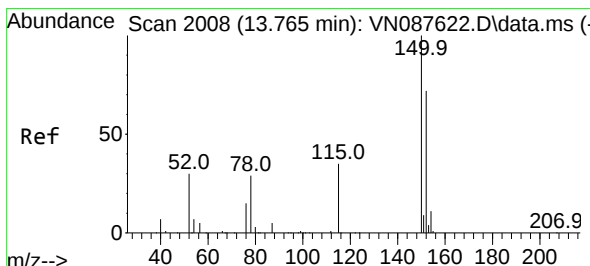
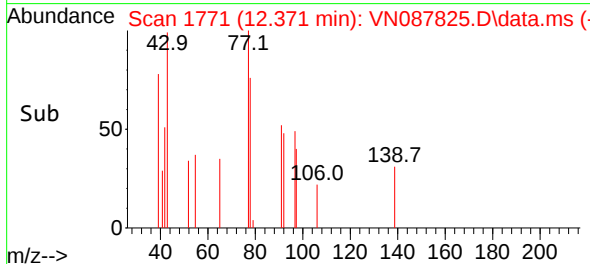
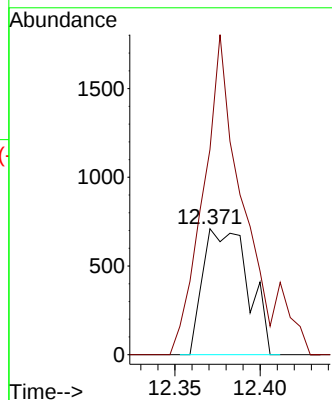
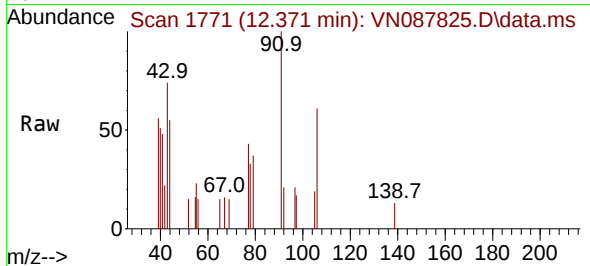




#69
o-Xylene
Concen: 0.217 ug/l
RT: 12.371 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

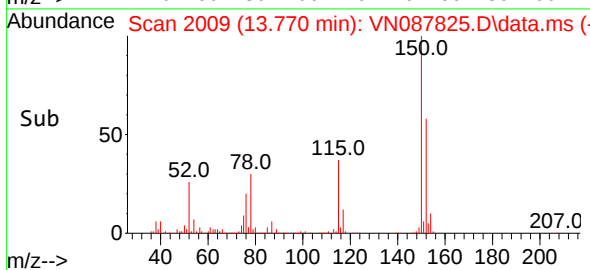
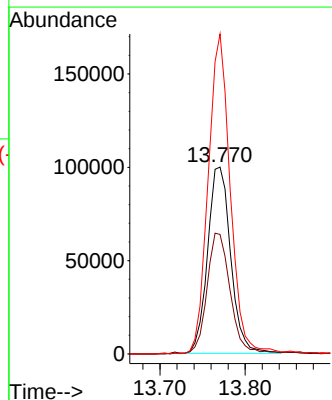
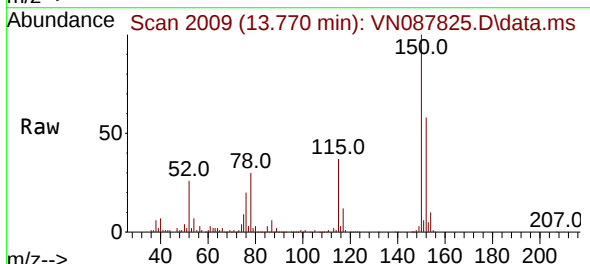
Instrument :
MSVOA_N
ClientSampleId :
MW4S

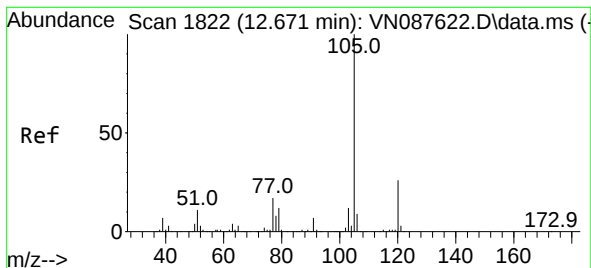
Tgt Ion:106 Resp: 1310
Ion Ratio Lower Upper
106 100
91 231.2 111.4 334.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion:152 Resp: 188048
Ion Ratio Lower Upper
152 100
115 65.4 32.3 96.8
150 164.4 0.0 351.0





#73

Isopropylbenzene

Concen: 0.380 ug/l

RT: 12.671 min Scan# 1822

Delta R.T. -0.000 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

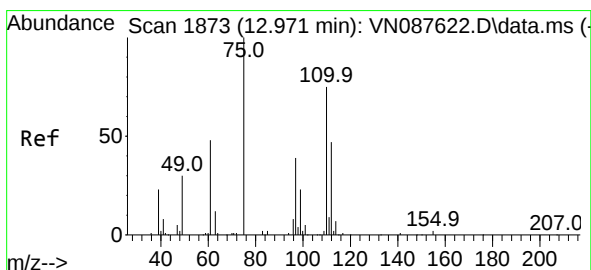
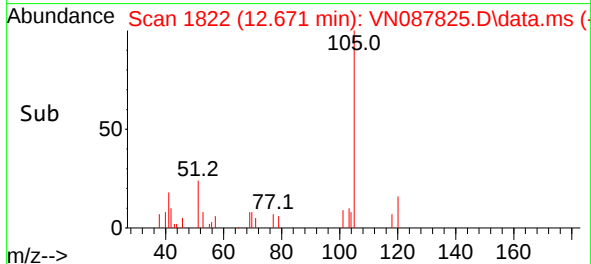
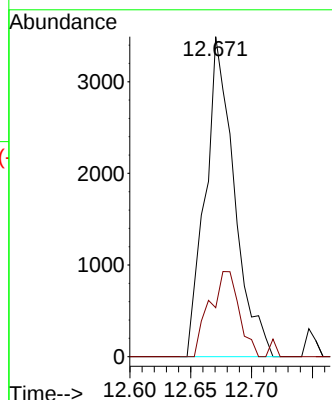
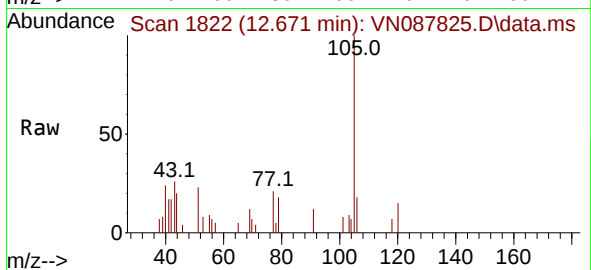
MW4S

Tgt Ion:105 Resp: 5777

Ion Ratio Lower Upper

105 100

120 26.9 12.8 38.3



#76

1,2,3-Trichloropropane

Concen: 23.206 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087825.D

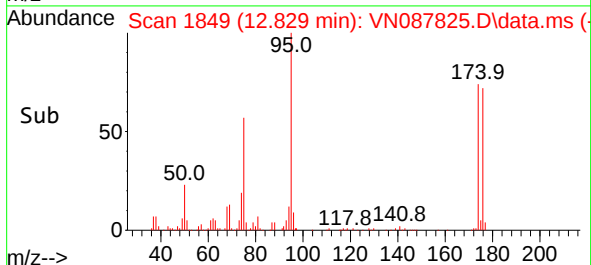
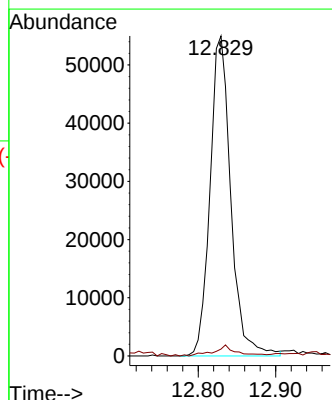
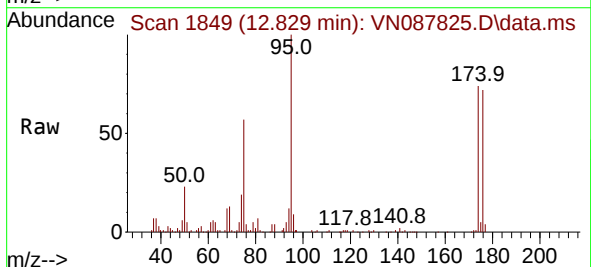
Acq: 15 Sep 2025 10:50

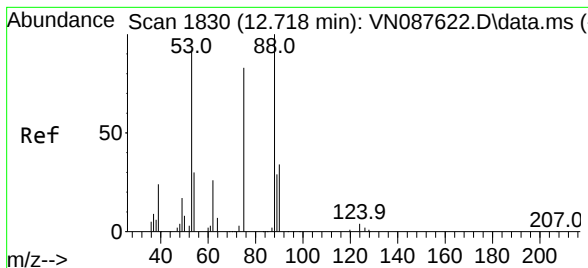
Tgt Ion: 75 Resp: 102333

Ion Ratio Lower Upper

75 100

77 3.7 89.1 267.4#

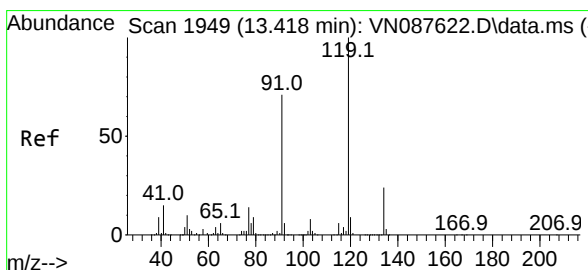
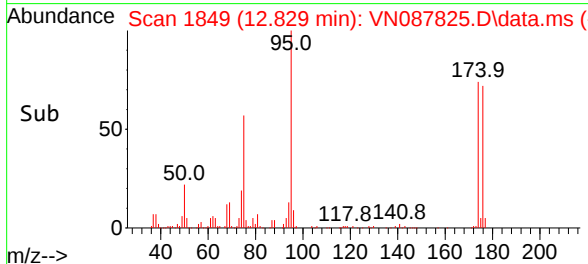
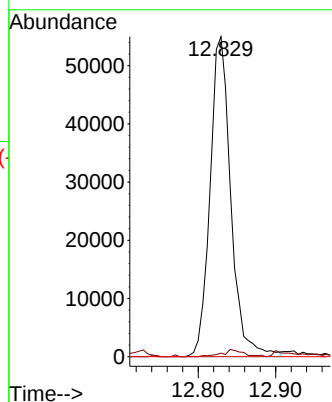
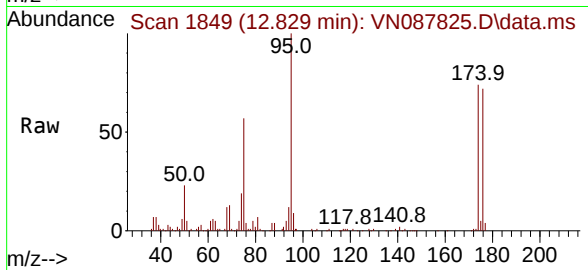




#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.434 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN087825.D
 Acq: 15 Sep 2025 10:50

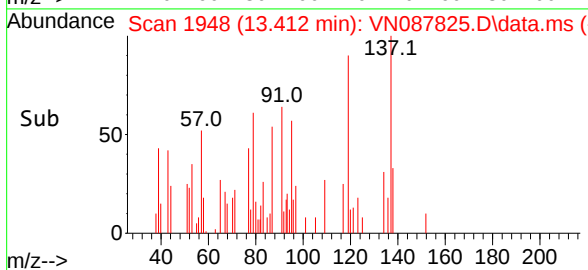
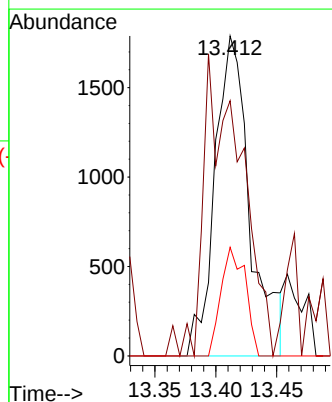
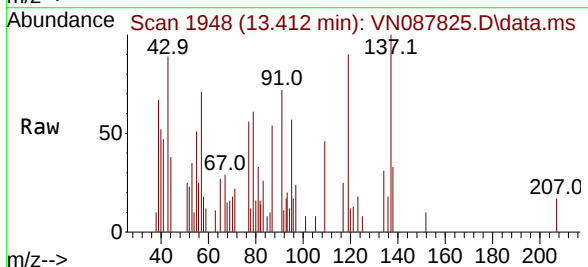
Instrument :
 MSVOA_N
 ClientSampleId :
 MW4S

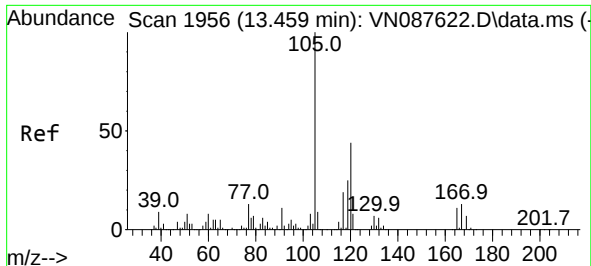
Tgt Ion: 75 Resp: 102333
 Ion Ratio Lower Upper
 75 100
 53 2.3 101.8 152.6#
 89 0.0 35.6 53.4#



#83
 tert-Butylbenzene
 Concen: 0.334 ug/l
 RT: 13.412 min Scan# 1948
 Delta R.T. -0.006 min
 Lab File: VN087825.D
 Acq: 15 Sep 2025 10:50

Tgt Ion: 119 Resp: 3593
 Ion Ratio Lower Upper
 119 100
 91 48.6 35.0 105.0
 134 23.4 12.6 37.8

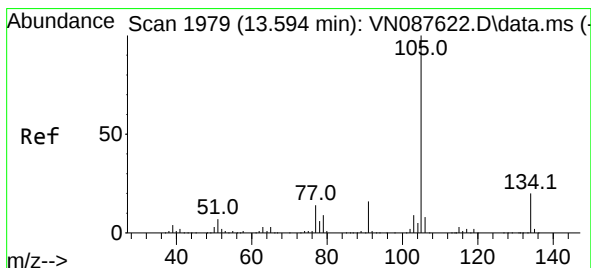
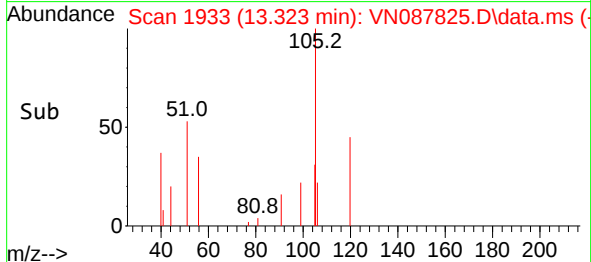
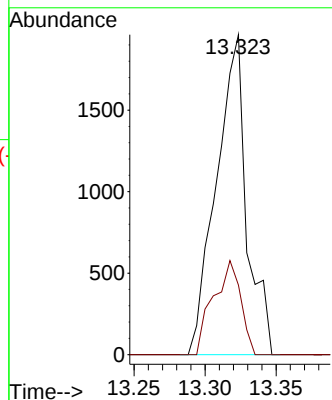
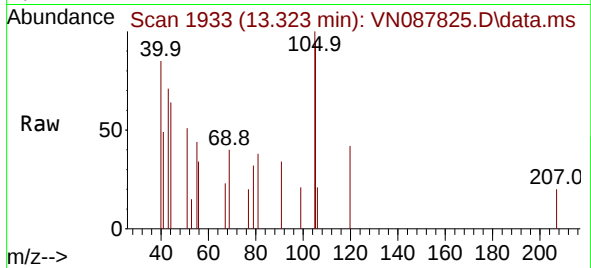




#84
1,2,4-Trimethylbenzene
Concen: 0.226 ug/l
RT: 13.323 min Scan# 1933
Delta R.T. -0.135 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

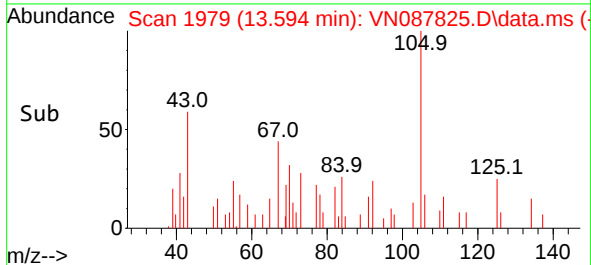
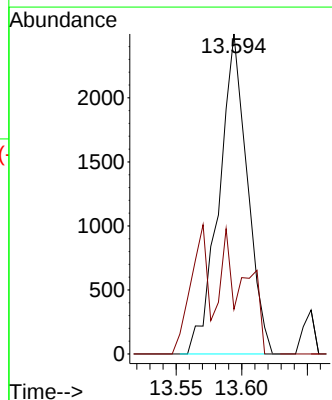
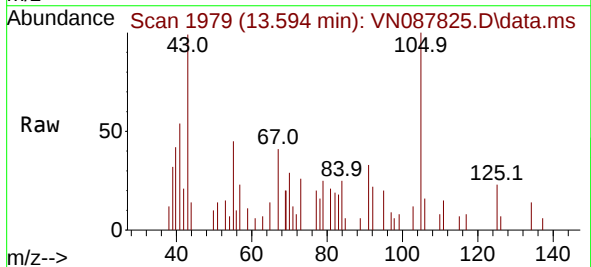
Instrument :
MSVOA_N
ClientSampleId :
MW4S

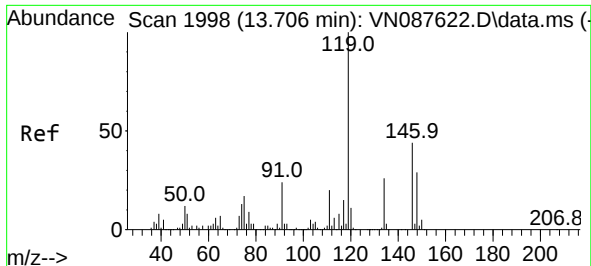
Tgt Ion:105 Resp: 2910
Ion Ratio Lower Upper
105 100
120 26.5 22.0 66.0



#85
sec-Butylbenzene
Concen: 0.235 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion:105 Resp: 3742
Ion Ratio Lower Upper
105 100
134 29.9 9.6 28.6#

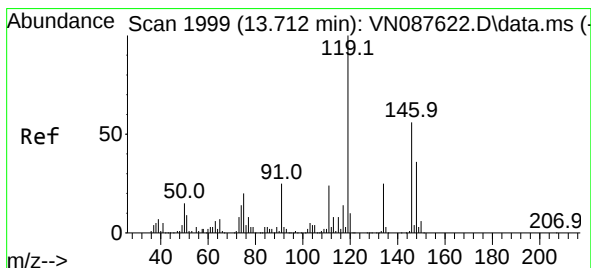
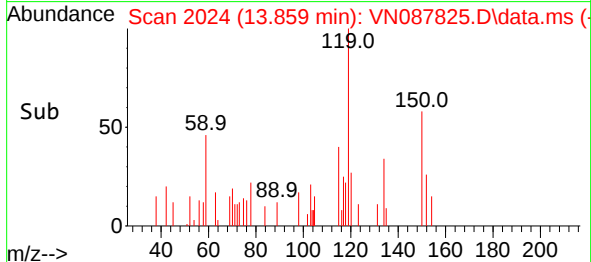
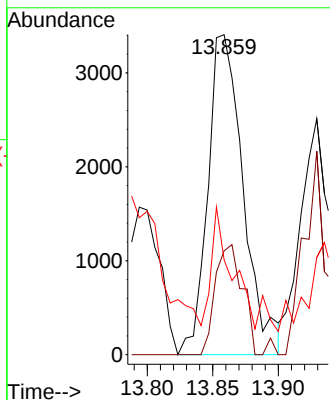
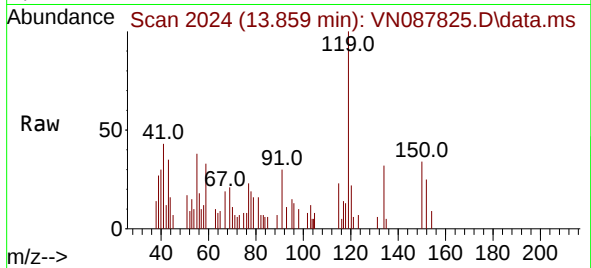




#86
p-Isopropyltoluene
Concen: 0.487 ug/l
RT: 13.859 min Scan# 20
Delta R.T. 0.153 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

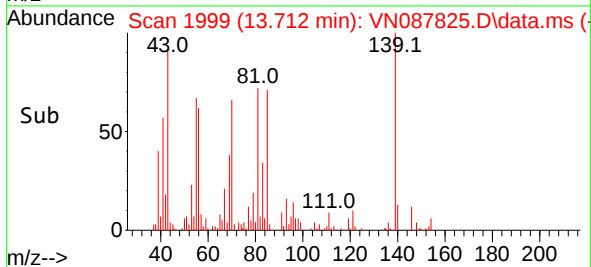
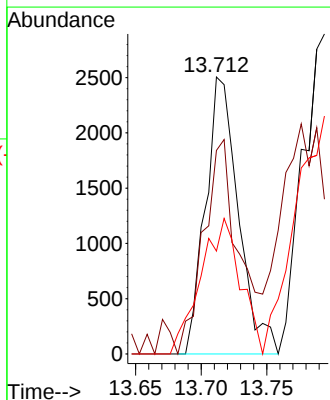
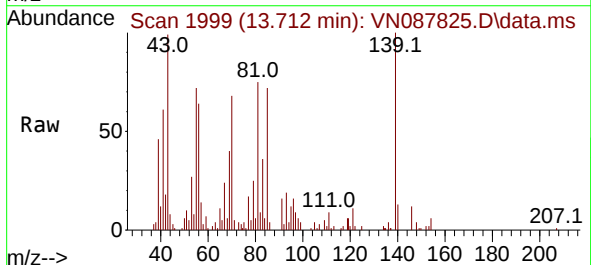
Instrument :
MSVOA_N
ClientSampleId :
MW4S

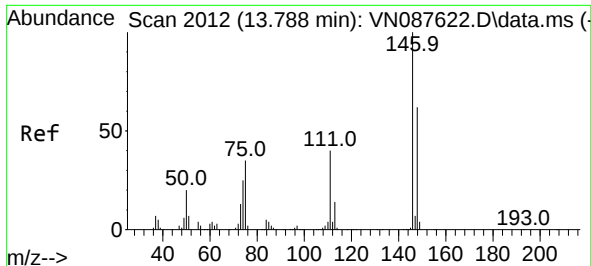
Tgt Ion:119 Resp: 6407
Ion Ratio Lower Upper
119 100
134 26.4 12.7 38.0
91 21.5 12.5 37.5



#87
1,3-Dichlorobenzene
Concen: 0.620 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion:146 Resp: 4373
Ion Ratio Lower Upper
146 100
111 84.4 22.1 66.5#
148 59.3 32.0 96.2

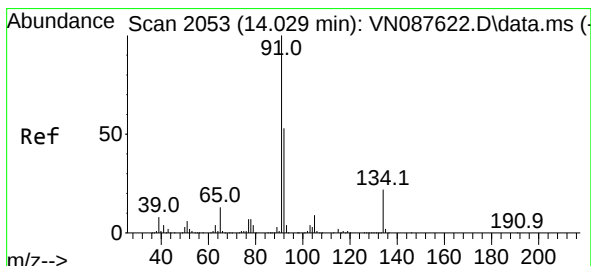
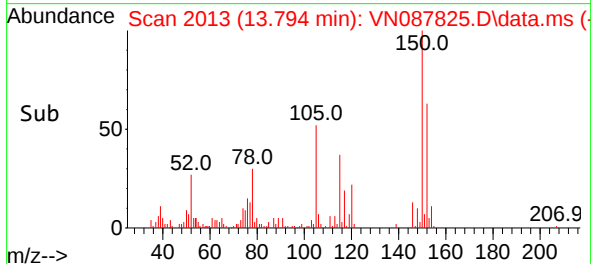
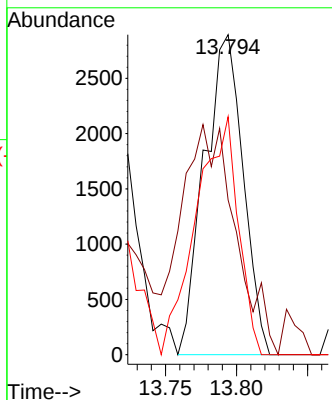
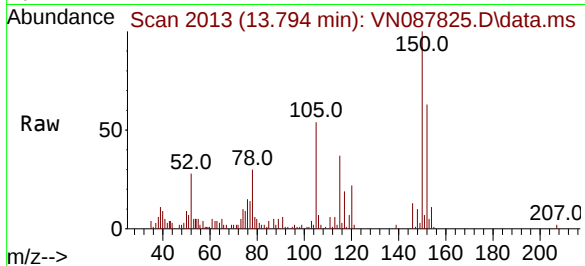




#88
1,4-Dichlorobenzene
Concen: 0.747 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

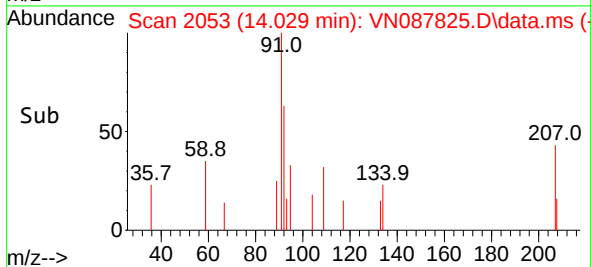
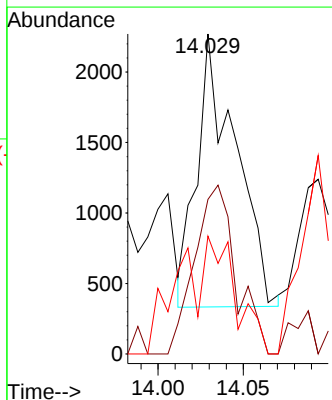
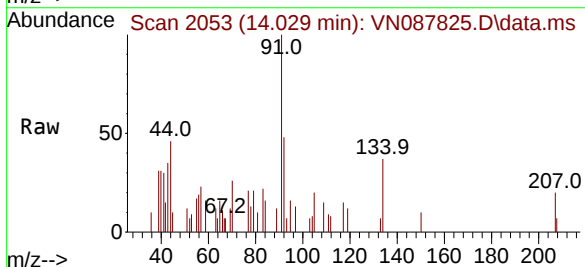
Instrument :
MSVOA_N
ClientSampleId :
MW4S

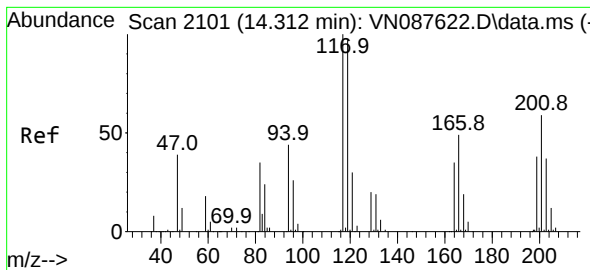
Tgt Ion	Ratio	Lower	Upper
146	100		
111	99.8	21.0	63.0#
148	80.5	32.0	96.0



#89
n-Butylbenzene
Concen: 0.235 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.0	25.9	77.8
134	35.2	11.7	35.0#

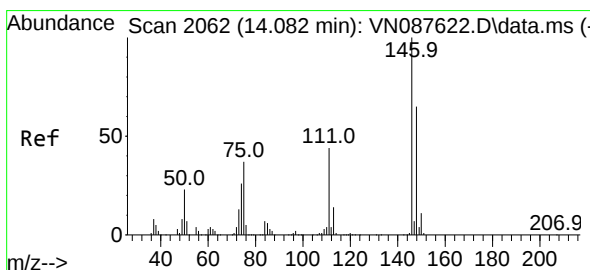
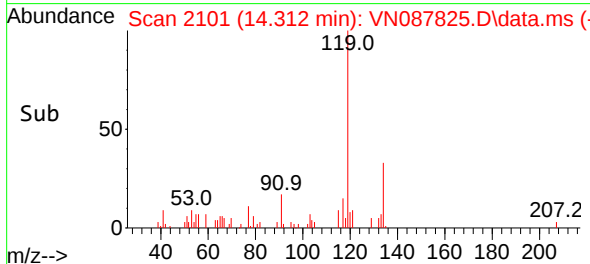
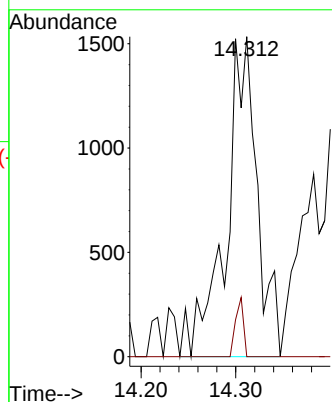
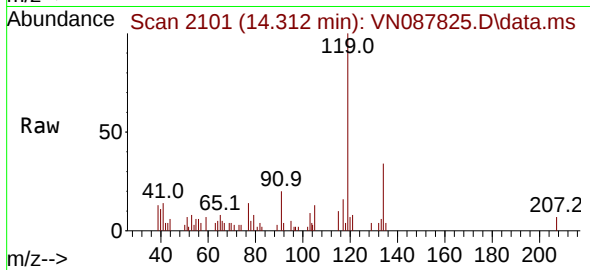




#90
Hexachloroethane
Concen: 1.397 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

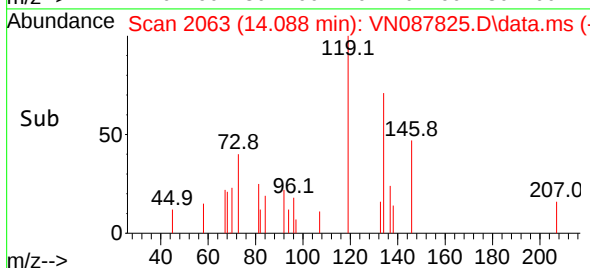
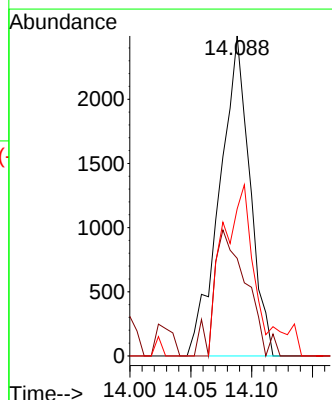
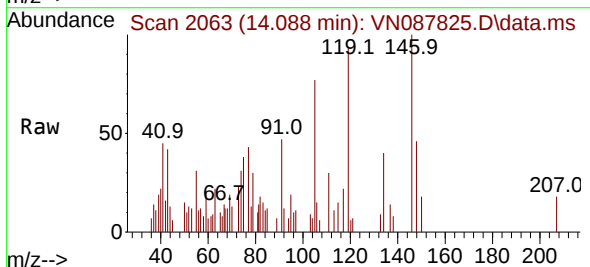
Instrument :
MSVOA_N
ClientSampleId :
MW4S

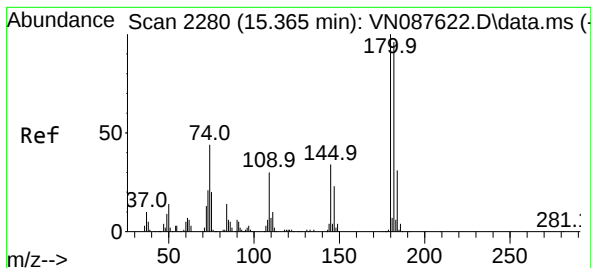
Tgt Ion:117 Resp: 3504
Ion Ratio Lower Upper
117 100
201 4.7 29.1 87.4#



#91
1,2-Dichlorobenzene
Concen: 0.639 ug/l
RT: 14.088 min Scan# 2063
Delta R.T. 0.006 min
Lab File: VN087825.D
Acq: 15 Sep 2025 10:50

Tgt Ion:146 Resp: 4280
Ion Ratio Lower Upper
146 100
111 42.6 22.6 67.8
148 60.3 31.9 95.9





#93

1,2,4-Trichlorobenzene

Concen: 0.498 ug/l

RT: 15.370 min Scan# 2281

Delta R.T. 0.006 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

Instrument :

MSVOA_N

ClientSampleId :

MW4S

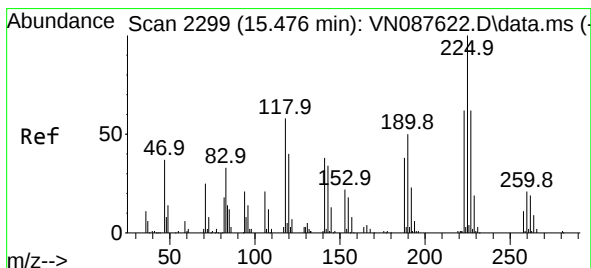
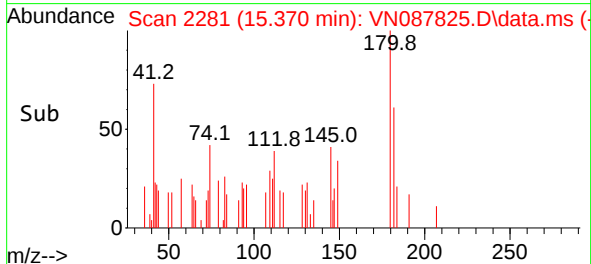
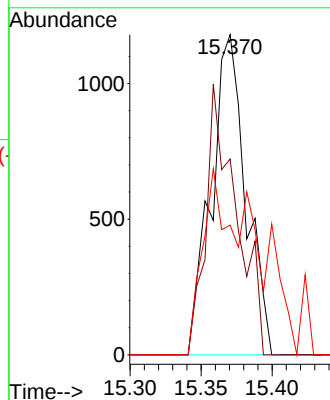
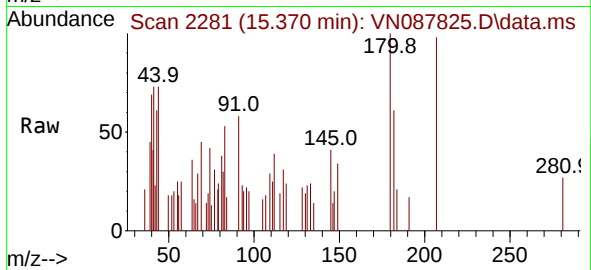
Tgt Ion:180 Resp: 2002

Ion Ratio Lower Upper

180 100

182 73.6 47.6 142.9

145 48.4 16.5 49.5



#94

Hexachlorobutadiene

Concen: 0.796 ug/l

RT: 15.470 min Scan# 2298

Delta R.T. -0.006 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

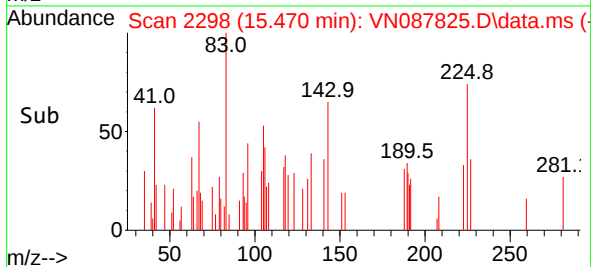
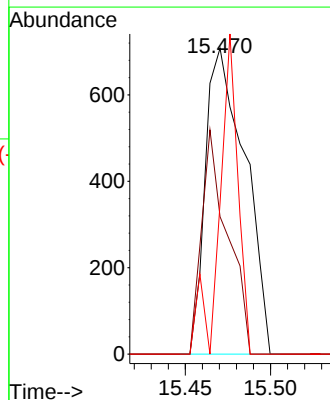
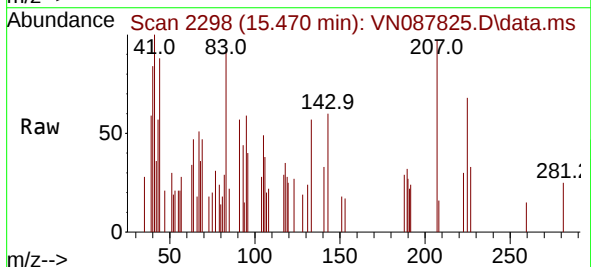
Tgt Ion:225 Resp: 1140

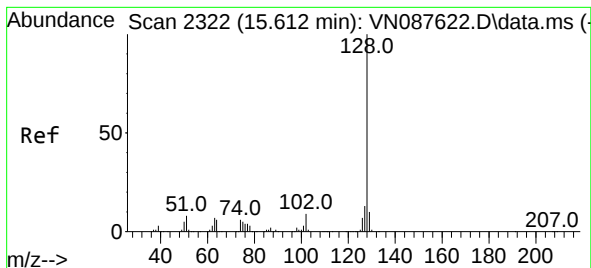
Ion Ratio Lower Upper

225 100

223 48.1 32.0 96.2

227 49.4 32.1 96.5





#95

Naphthalene

Concen: 0.380 ug/l

RT: 15.611 min Scan# 2322

Delta R.T. -0.000 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

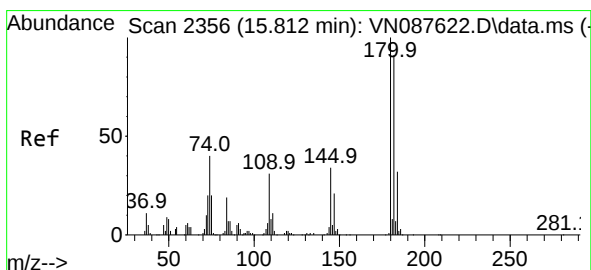
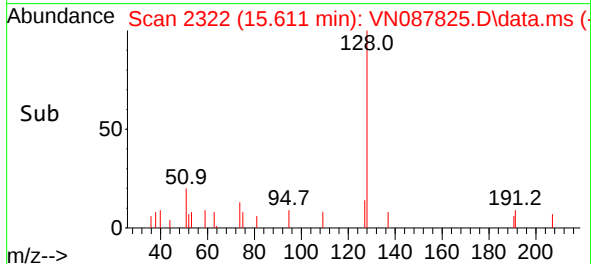
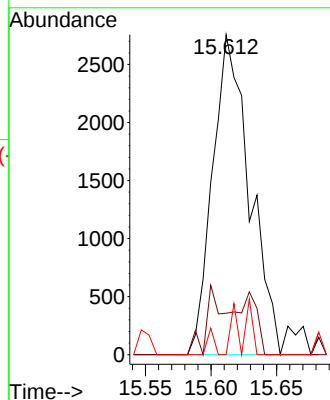
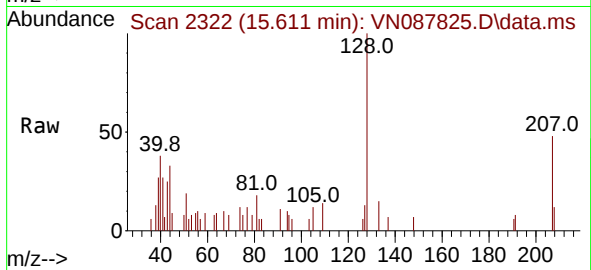
Instrument :

MSVOA_N

ClientSampleId :

MW4S

Tgt Ion:128	Resp:	5410
Ion Ratio	Lower	Upper
128	100	
127	9.9	10.6 15.8#
129	1.5	8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 0.412 ug/l

RT: 15.806 min Scan# 2355

Delta R.T. -0.006 min

Lab File: VN087825.D

Acq: 15 Sep 2025 10:50

Tgt Ion:180	Resp:	1619
Ion Ratio	Lower	Upper
180	100	
182	88.3	46.8 140.3
145	29.4	17.3 52.0

