

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087503.D
 Acq On : 12 Aug 2025 10:45
 Operator : JC\MD
 Sample : VN0812MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812MBL01

Quant Time: Aug 13 02:59:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	281742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	595007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	543044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	248969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	274408	57.401	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.800%
35) Dibromofluoromethane	8.153	113	206142	50.225	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.460%
50) Toluene-d8	10.547	98	748411	51.118	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.240%
62) 4-Bromofluorobenzene	12.829	95	274137	50.681	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.360%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	736	0.246	ug/l #	39
5) Bromomethane	2.995	94	2428	1.254	ug/l #	80
9) 1,1,2-Trichlorotrifluo...	4.359	101	812	0.286	ug/l #	44
10) Methyl Iodide	4.600	142	1501	6.087	ug/l #	67
11) Tert butyl alcohol	5.553	59	443	0.488	ug/l	95
12) 1,1-Dichloroethene	4.336	96	660	0.205	ug/l #	1
13) Acrolein	4.183	56	1674	2.298	ug/l #	15
15) Acrylonitrile	5.718	53	3206	1.302	ug/l #	88
16) Acetone	4.430	43	3723	1.661	ug/l #	85
17) Carbon Disulfide	4.700	76	8600	0.902	ug/l	95
18) Methyl Acetate	5.018	43	3828	0.680	ug/l #	54
20) Methylene Chloride	5.259	84	2022	Below Cal	#	56
21) trans-1,2-Dichloroethene	5.777	96	1934	0.533	ug/l	81
23) Vinyl Acetate	6.594	43	5370	0.503	ug/l	96
25) 2-Butanone	7.488	43	3365	0.972	ug/l #	51
27) cis-1,2-Dichloroethene	7.465	96	1140	0.273	ug/l	50
29) Tetrahydrofuran	7.830	42	1133	0.504	ug/l #	81
31) Cyclohexane	8.206	56	10683	1.818	ug/l #	25
36) 1,1-Dichloropropene	8.365	75	1164	0.215	ug/l #	78
38) Carbon Tetrachloride	8.200	117	33194	5.557	ug/l #	14
39) Methylcyclohexane	9.582	83	2569	0.438	ug/l #	80
42) 1,2-Dichloroethane	8.659	62	1378	0.207	ug/l	88
48) Methyl methacrylate	9.653	41	1470	0.269	ug/l #	20
49) 1,4-Dioxane	9.712	88	55	0.656	ug/l #	11
51) 4-Methyl-2-Pentanone	10.429	43	4118	0.536	ug/l #	80
53) t-1,3-Dichloropropene	10.823	75	1419	0.209	ug/l #	56
56) Ethyl methacrylate	10.847	69	392	0.690	ug/l #	10
58) 2-Chloroethyl Vinyl ether	10.135	63	1943	0.549	ug/l	96
64) Tetrachloroethene	11.082	164	985	0.282	ug/l	97
67) Ethyl Benzene	11.947	91	4034	0.201	ug/l #	74
68) m/p-Xylenes	12.041	106	3089	0.411	ug/l	95
71) Bromoform	12.553	173	886	0.265	ug/l #	29
73) Isopropylbenzene	12.682	105	4229	0.270	ug/l	92
76) 1,2,3-Trichloropropane	12.829	75	155099	27.781	ug/l #	1
77) Bromobenzene	12.959	156	873	0.215	ug/l	53
78) n-propylbenzene	13.017	91	7862	0.399	ug/l	91

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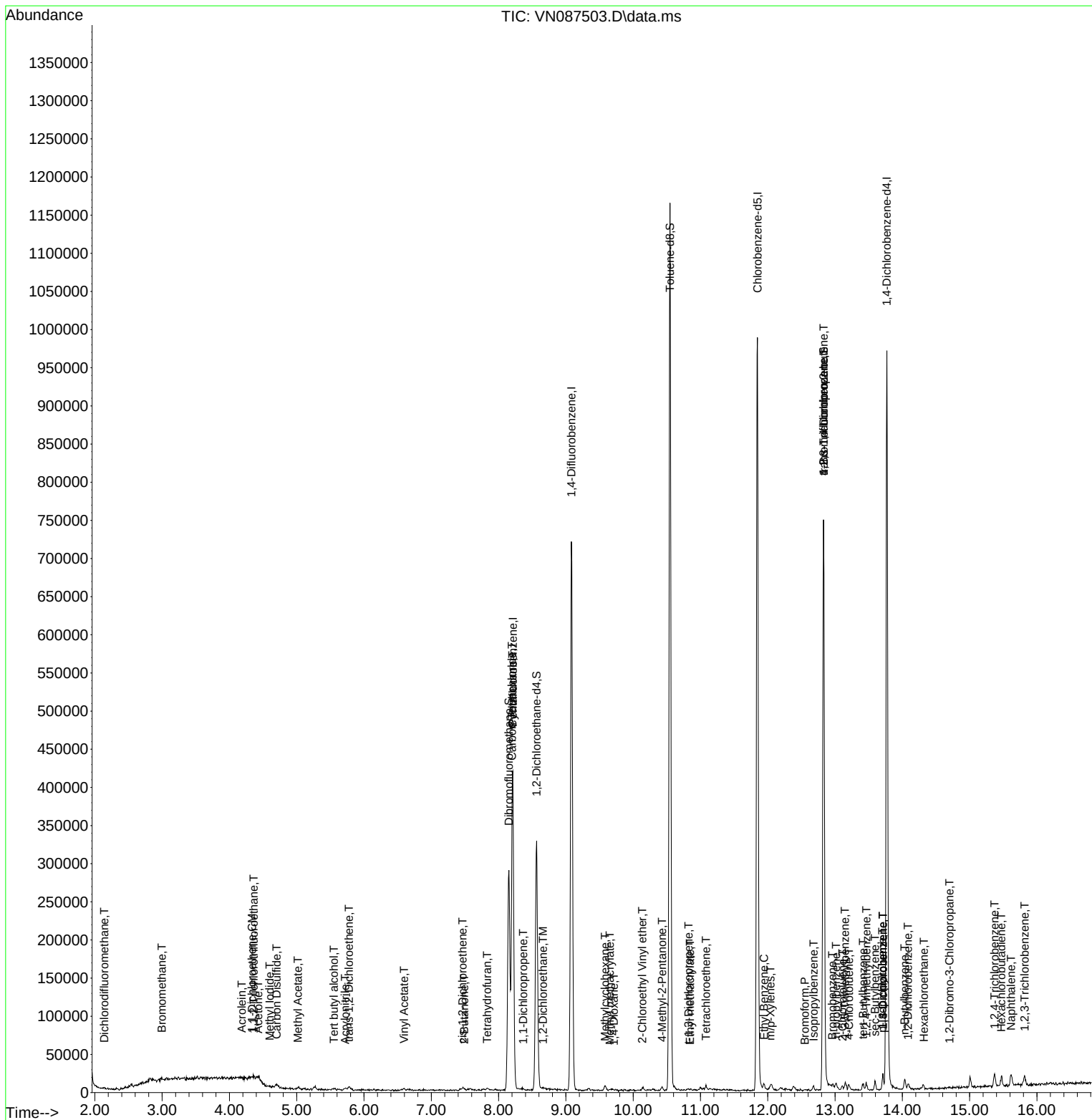
Quant Time: Aug 13 02:59:43 2025
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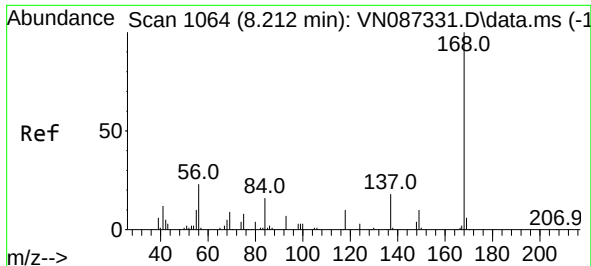
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

79) 2-Chlorotoluene	13.112	91	4258	0.351	ug/l	94
80) 1,3,5-Trimethylbenzene	13.147	105	4809	0.360	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.829	75	155099	76.013	ug/l #	8
82) 4-Chlorotoluene	13.206	91	4824	0.382	ug/l	94
83) tert-Butylbenzene	13.417	119	4655	0.417	ug/l	95
84) 1,2,4-Trimethylbenzene	13.464	105	3934	0.289	ug/l	83
85) sec-Butylbenzene	13.594	105	6849	0.408	ug/l	87
86) p-Isopropyltoluene	13.706	119	6340	0.471	ug/l	94
87) 1,3-Dichlorobenzene	13.711	146	3401	0.426	ug/l	99
88) 1,4-Dichlorobenzene	13.711	146	3401	0.399	ug/l	96
89) n-Butylbenzene	14.035	91	8159	0.635	ug/l	97
90) Hexachloroethane	14.323	117	1231	0.432	ug/l #	33
91) 1,2-Dichlorobenzene	14.082	146	3191	0.422	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.700	75	428	0.276	ug/l #	50
93) 1,2,4-Trichlorobenzene	15.370	180	4882	1.100	ug/l	88
94) Hexachlorobutadiene	15.470	225	1802	1.093	ug/l	89
95) Naphthalene	15.617	128	13355	0.849	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.817	180	4396	0.987	ug/l	90

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

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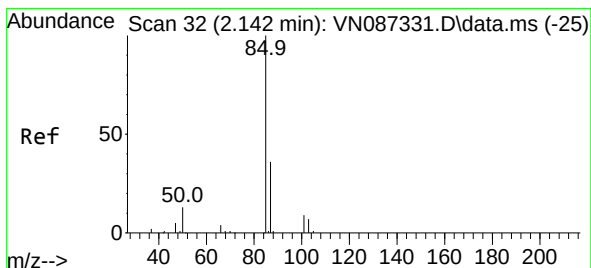
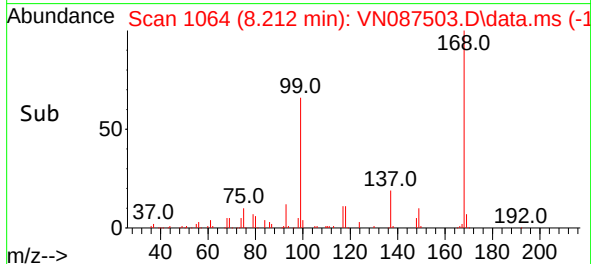
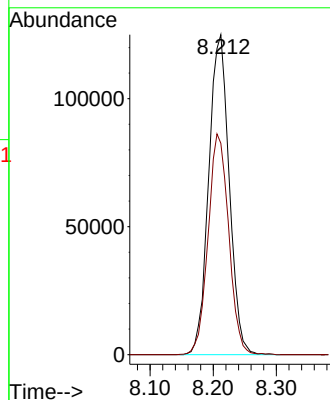
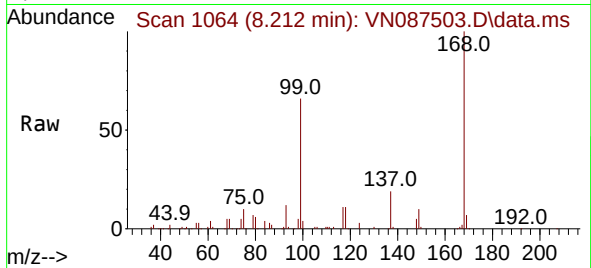




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

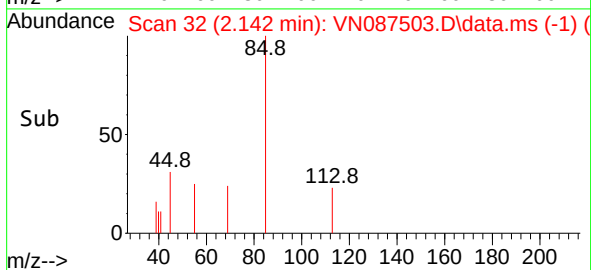
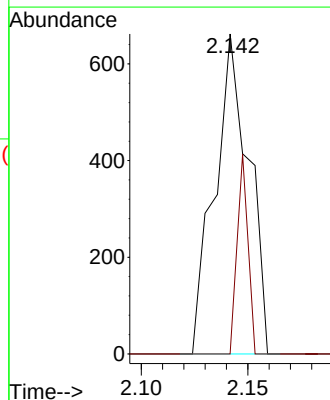
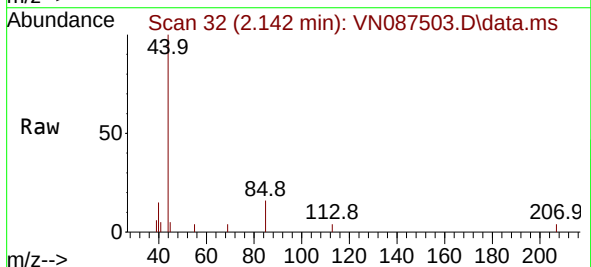
Instrument :
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VN0812MBL01

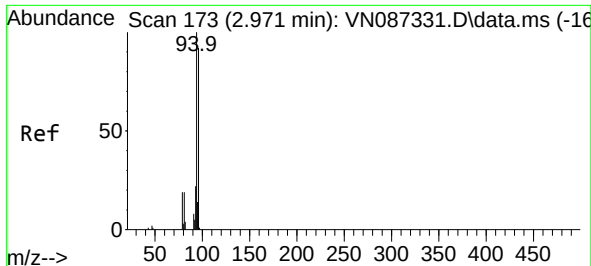
Tgt Ion:168 Resp: 281742
Ion Ratio Lower Upper
168 100
99 66.0 47.9 71.9



#2
Dichlorodifluoromethane
Concen: 0.246 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 85 Resp: 736
Ion Ratio Lower Upper
85 100
87 0.0 17.8 53.3#

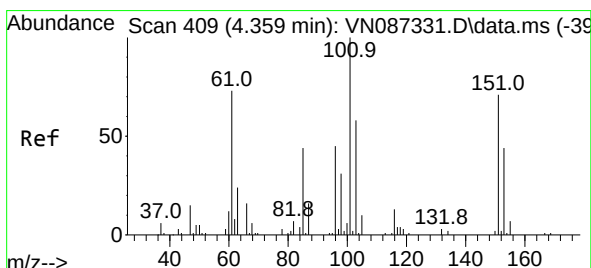
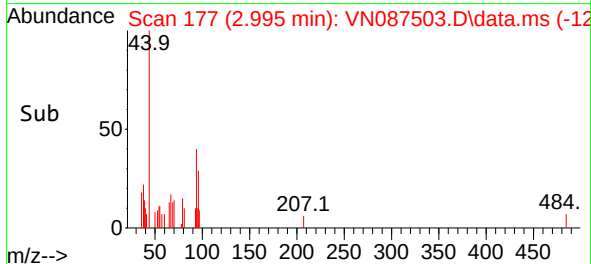
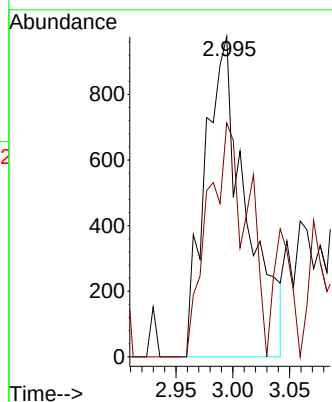
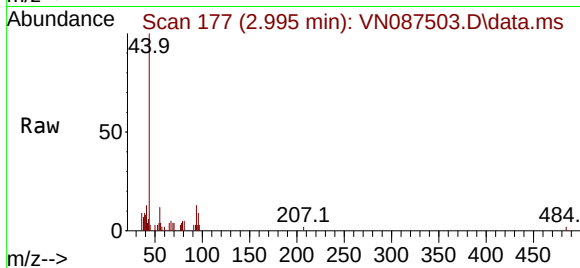




#5
Bromomethane
Concen: 1.254 ug/l
RT: 2.995 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

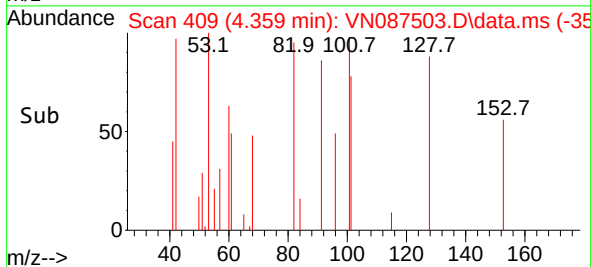
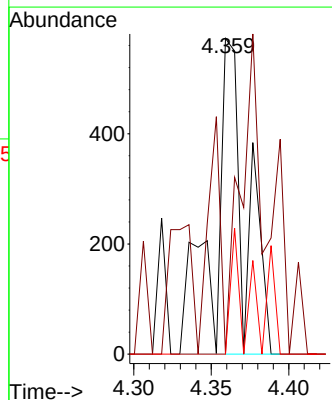
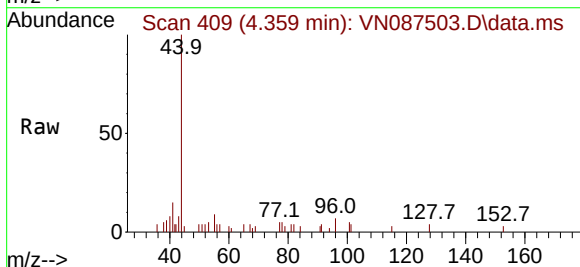
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ClientSampleId :
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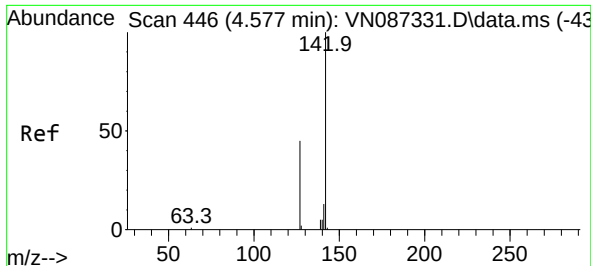
Tgt Ion: 94 Resp: 2428
Ion Ratio Lower Upper
94 100
96 73.1 73.4 110.2#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.286 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion:101 Resp: 812
Ion Ratio Lower Upper
101 100
85 29.1 37.3 55.9#
151 10.0 58.9 88.3#

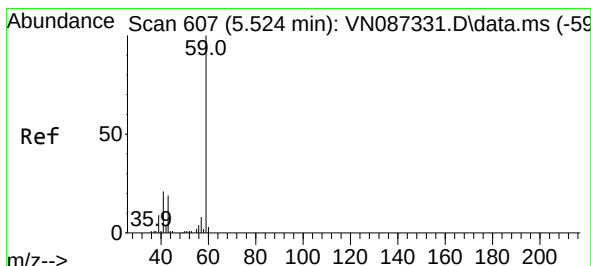
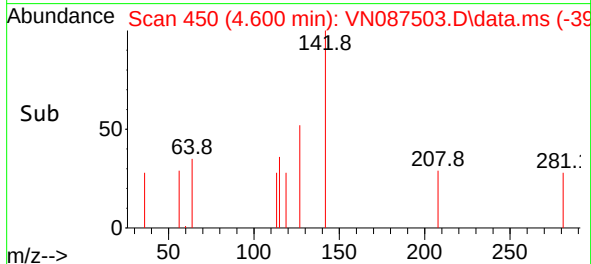
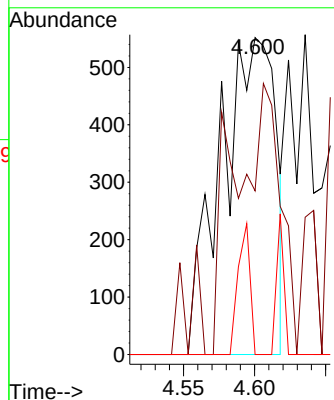
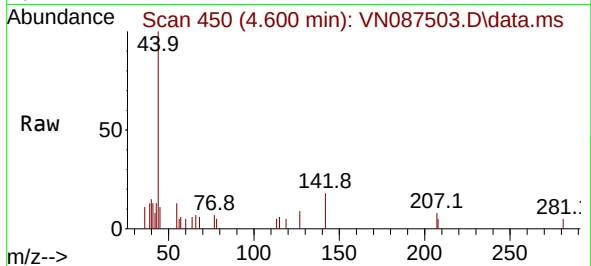




#10
Methyl Iodide
Concen: 6.087 ug/l
RT: 4.600 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

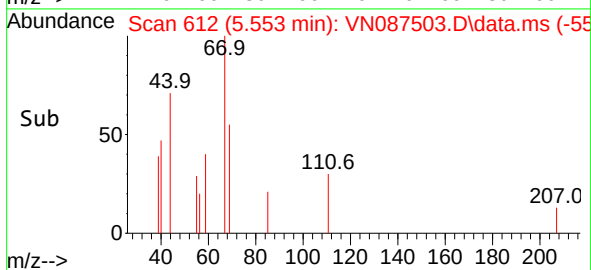
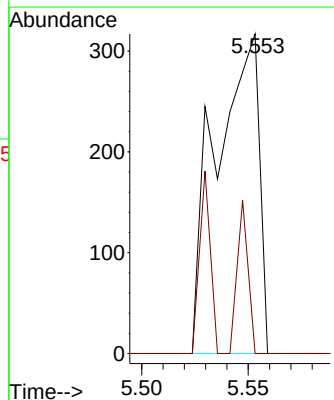
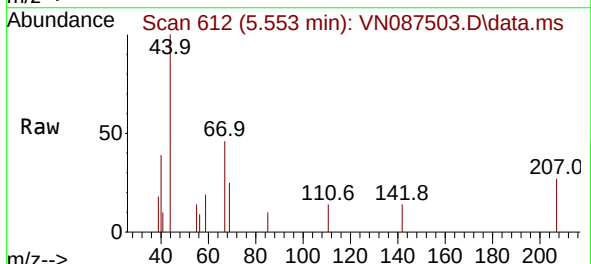
Instrument :
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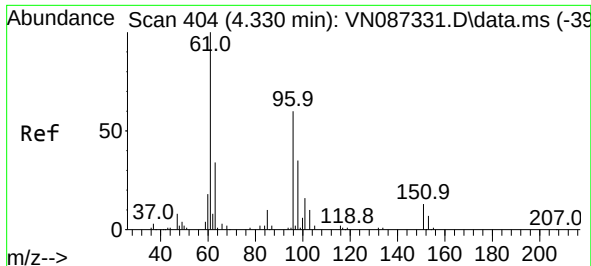
Tgt Ion:142 Resp: 1501
Ion Ratio Lower Upper
142 100
127 22.6 35.7 53.5#
141 0.0 10.4 15.6#



#11
Tert butyl alcohol
Concen: 0.488 ug/l
RT: 5.553 min Scan# 612
Delta R.T. 0.029 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 59 Resp: 443
Ion Ratio Lower Upper
59 100
57 12.2 8.3 12.5

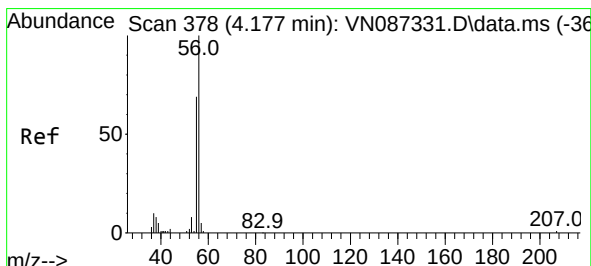
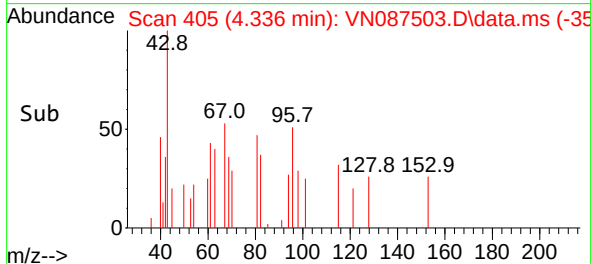
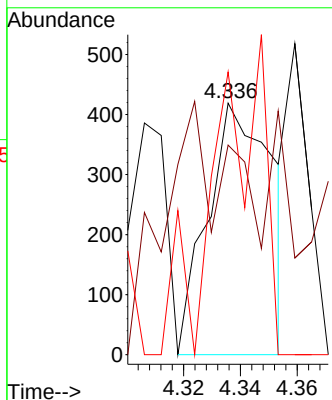
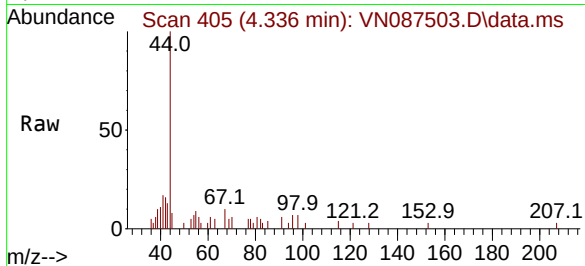




#12
1,1-Dichloroethene
Concen: 0.205 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.006 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

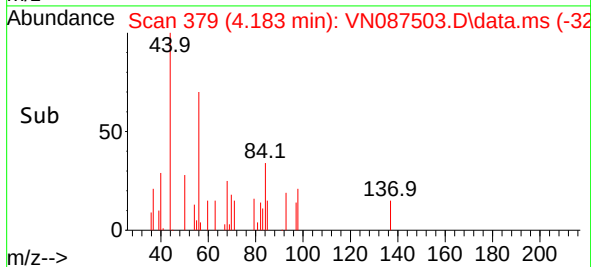
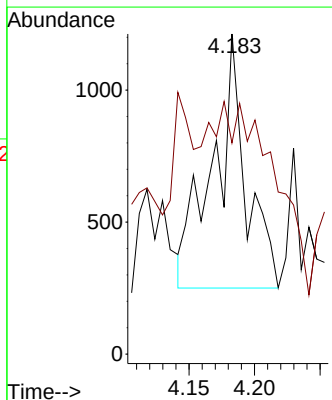
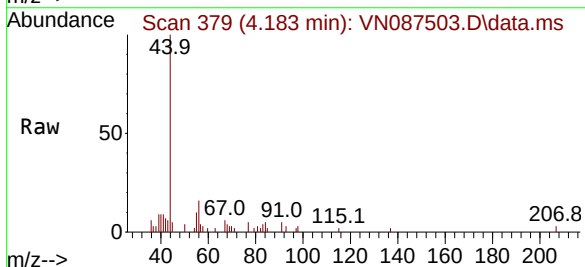
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ClientSampleId :
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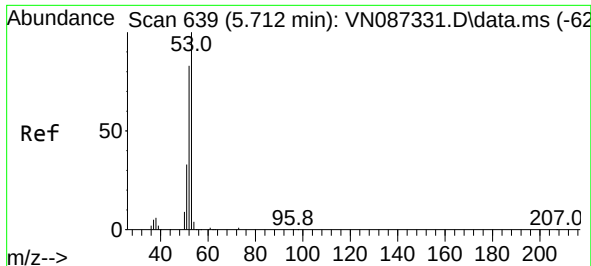
Tgt Ion: 96 Resp: 660
Ion Ratio Lower Upper
96 100
61 7.6 132.3 198.5#
98 112.4 46.8 70.2#



#13
Acrolein
Concen: 2.298 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 56 Resp: 1674
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#

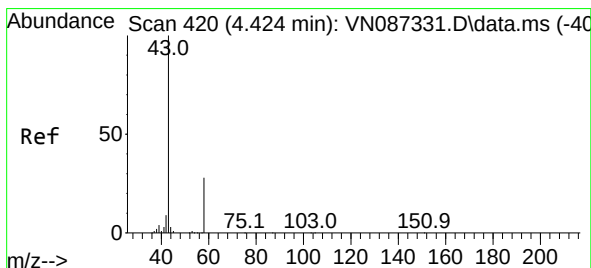
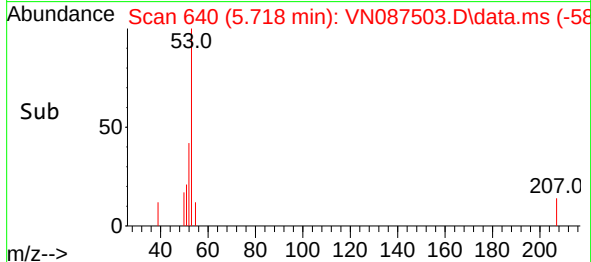
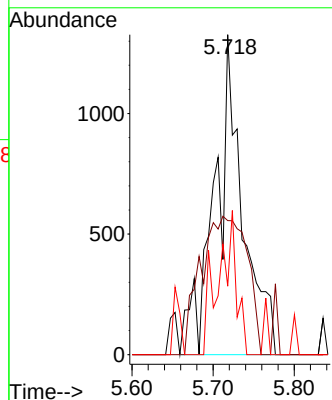
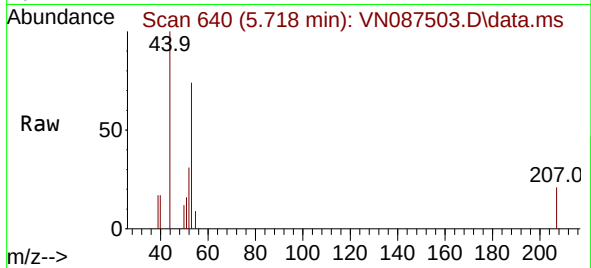




#15
Acrylonitrile
Concen: 1.302 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

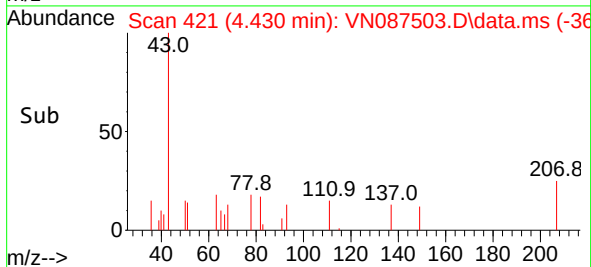
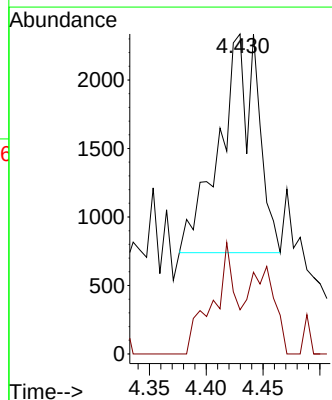
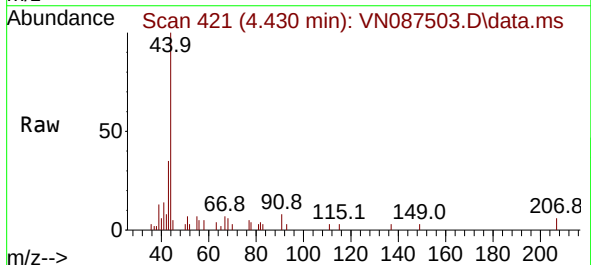
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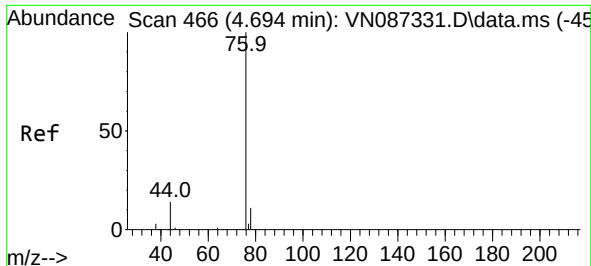
Tgt Ion: 53 Resp: 3206
Ion Ratio Lower Upper
53 100
52 71.0 65.5 98.3
51 28.7 28.7 43.1#



#16
Acetone
Concen: 1.661 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 43 Resp: 3723
Ion Ratio Lower Upper
43 100
58 20.2 22.3 33.5#

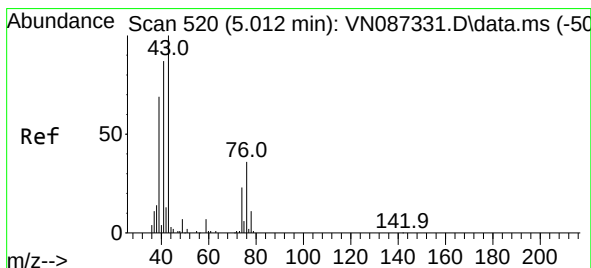
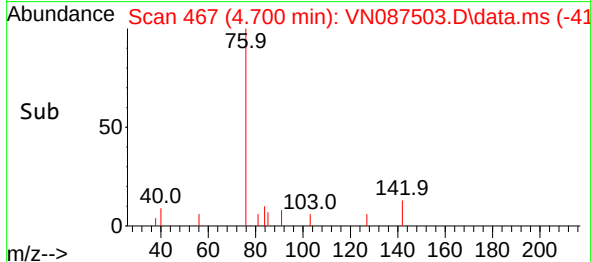
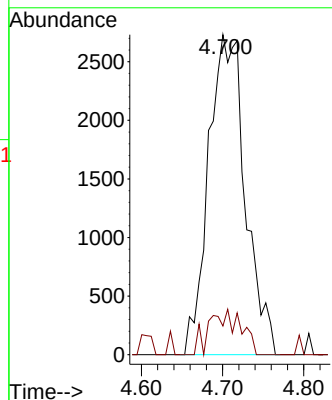
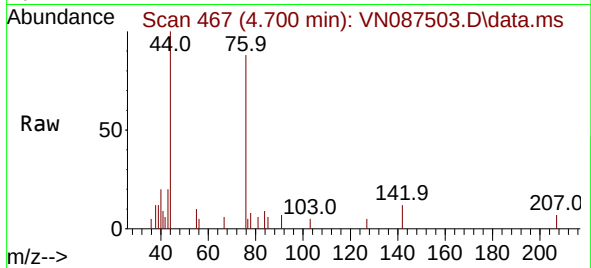




#17
Carbon Disulfide
Concen: 0.902 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.006 min
Lab File: VN087503.D
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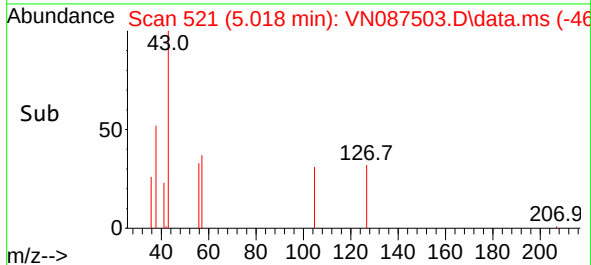
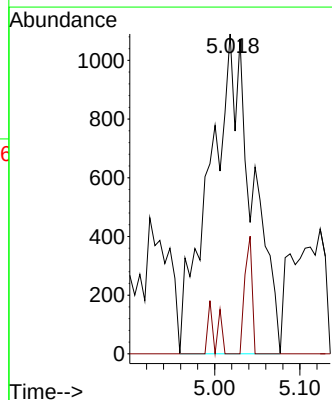
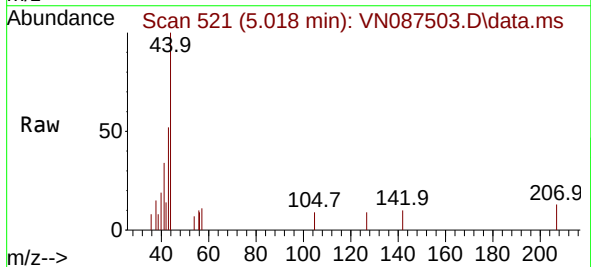
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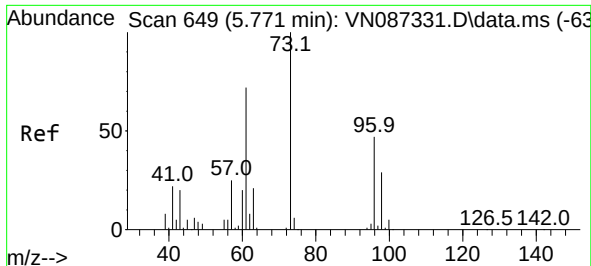
Tgt Ion: 76 Resp: 8600
Ion Ratio Lower Upper
76 100
78 9.0 8.6 13.0



#18
Methyl Acetate
Concen: 0.680 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 43 Resp: 3828
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.6#

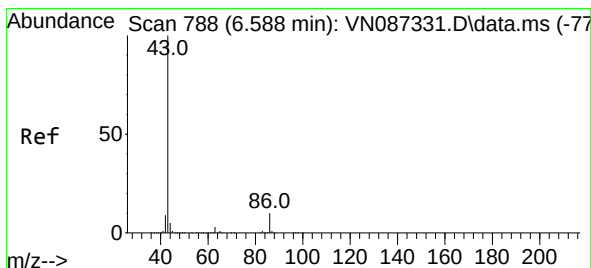
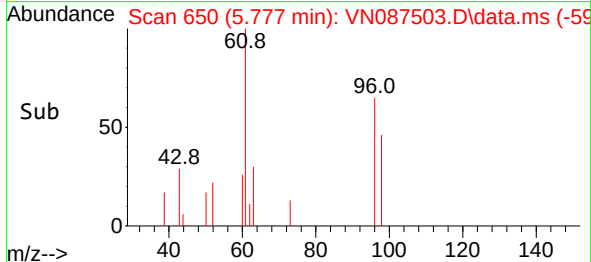
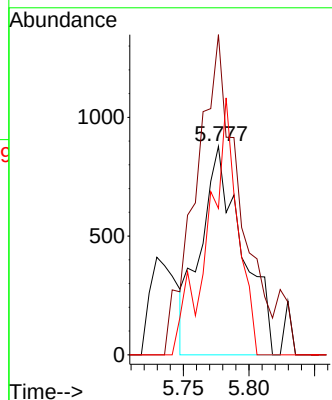
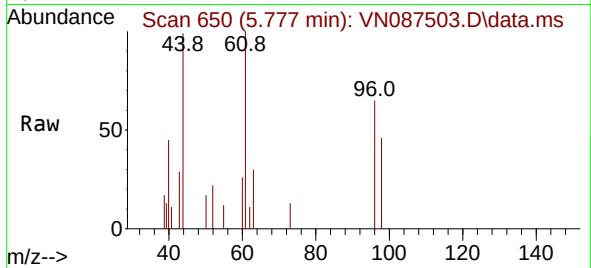




#21
trans-1,2-Dichloroethene
Concen: 0.533 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

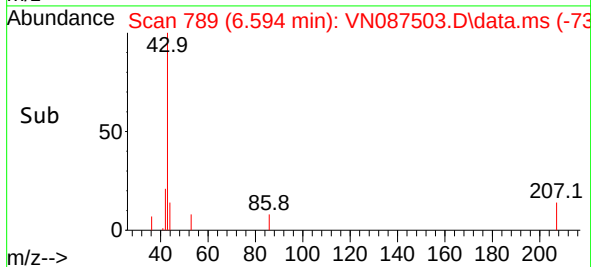
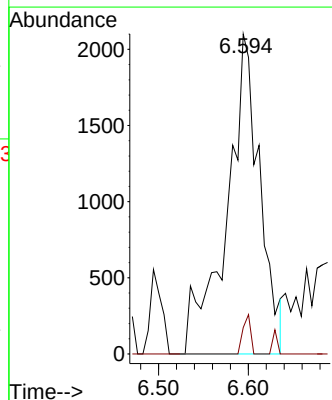
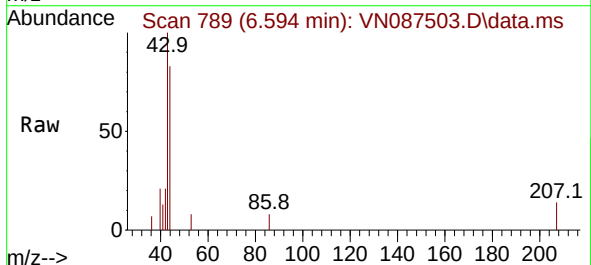
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

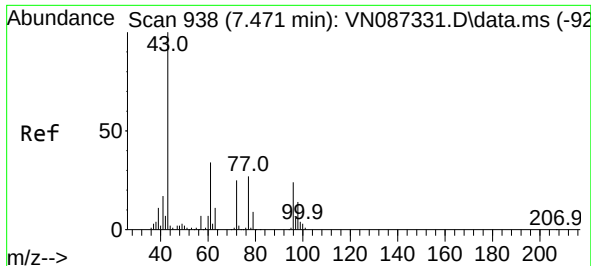
Tgt Ion: 96 Resp: 1934
Ion Ratio Lower Upper
96 100
61 123.3 122.0 183.0
98 70.2 50.0 75.0



#23
Vinyl Acetate
Concen: 0.503 ug/l
RT: 6.594 min Scan# 789
Delta R.T. 0.006 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 43 Resp: 5370
Ion Ratio Lower Upper
43 100
86 8.2 7.7 11.5

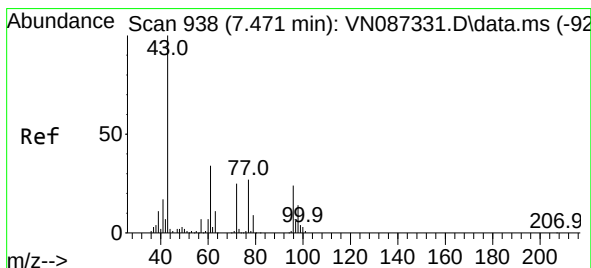
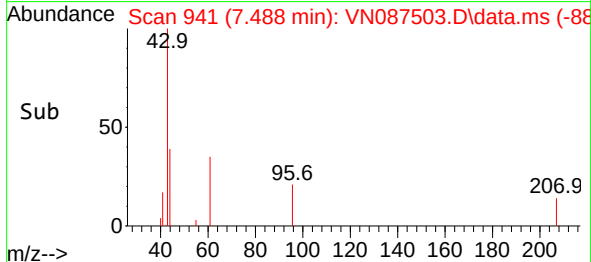
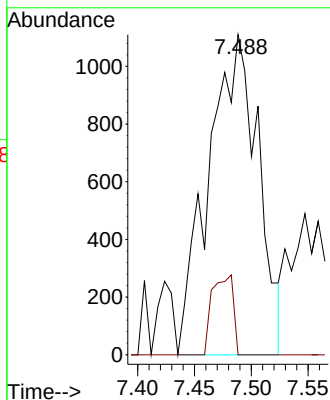
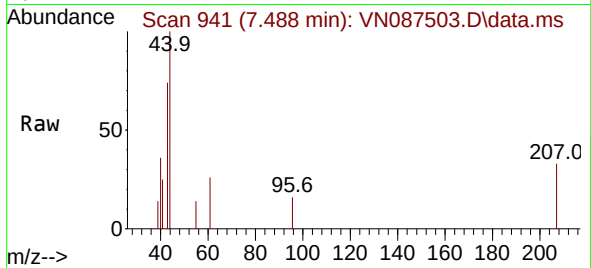




#25
2-Butanone
Concen: 0.972 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

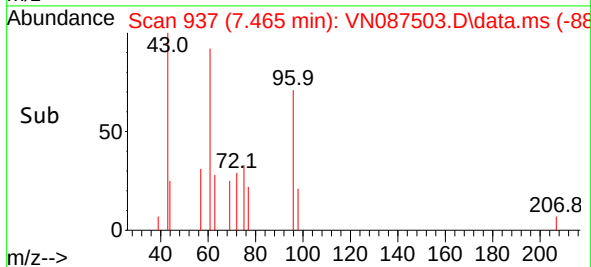
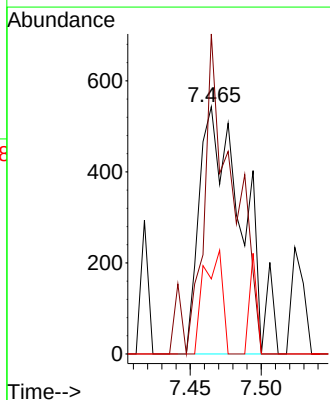
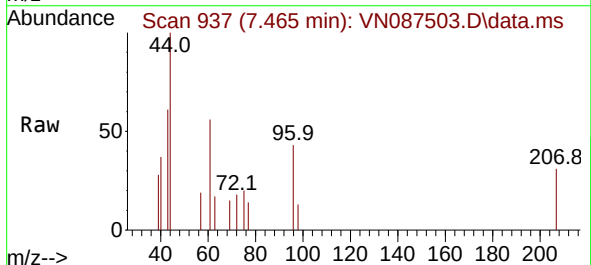
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

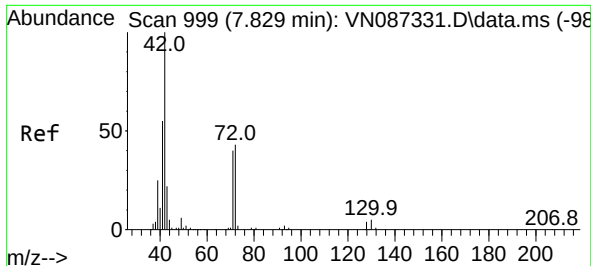
Tgt Ion: 43 Resp: 3365
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



#27
cis-1,2-Dichloroethene
Concen: 0.273 ug/l
RT: 7.465 min Scan# 937
Delta R.T. -0.006 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 96 Resp: 1140
Ion Ratio Lower Upper
96 100
61 90.8 0.0 297.8
98 18.2 0.0 132.4

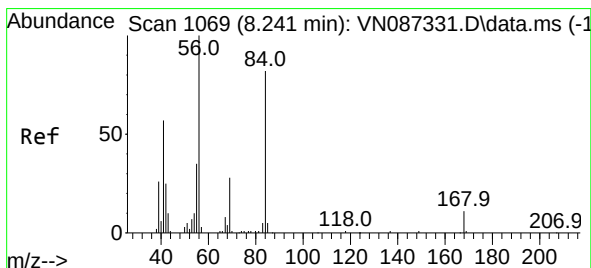
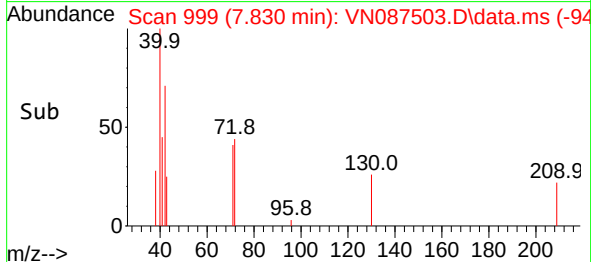
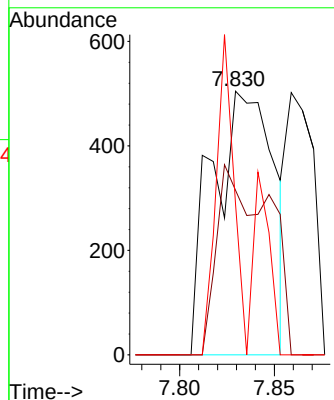
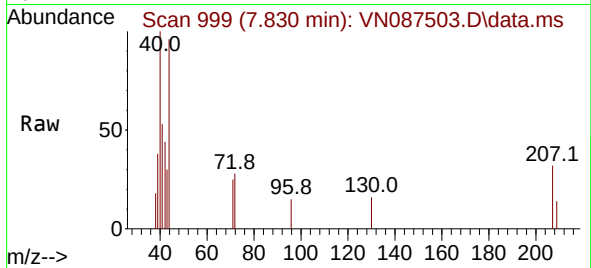




#29
Tetrahydrofuran
Concen: 0.504 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

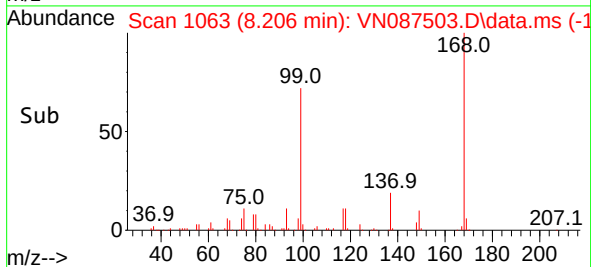
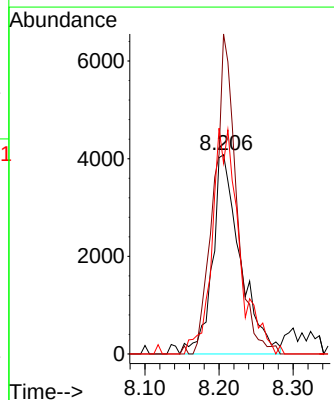
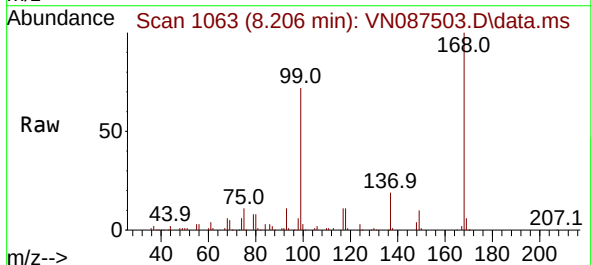
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

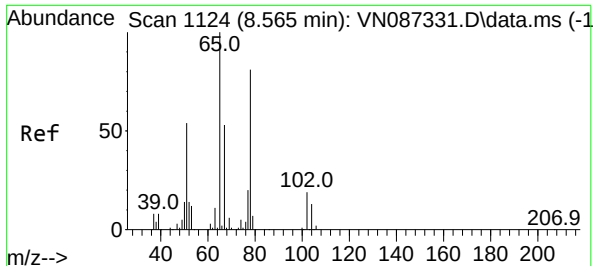
Tgt Ion: 42 Resp: 1133
Ion Ratio Lower Upper
42 100
72 60.6 33.4 50.0#
71 35.2 31.2 46.8



#31
Cyclohexane
Concen: 1.818 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 56 Resp: 10683
Ion Ratio Lower Upper
56 100
69 160.6 22.7 34.1#
84 95.8 65.8 98.6





#33

1,2-Dichloroethane-d4

Concen: 57.401 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087503.D

Acq: 12 Aug 2025 10:45

Instrument :

MSVOA_N

ClientSampleId :

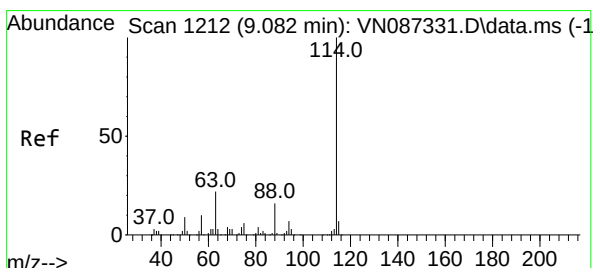
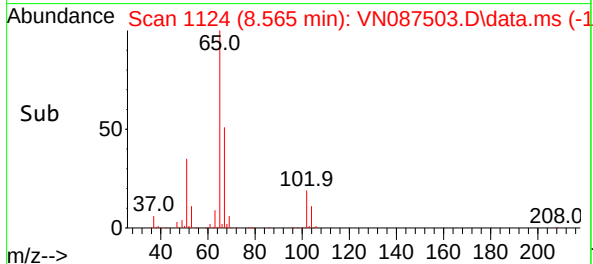
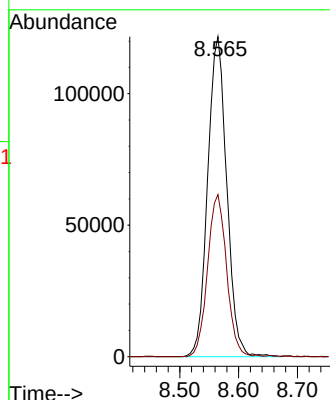
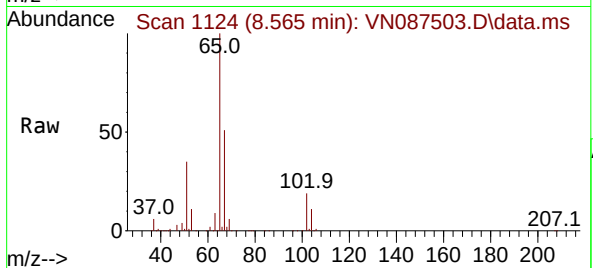
VN0812MBL01

Tgt Ion: 65 Resp: 274408

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087503.D

Acq: 12 Aug 2025 10:45

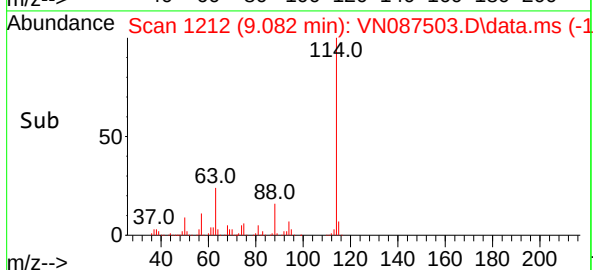
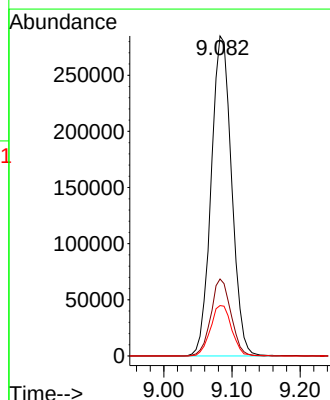
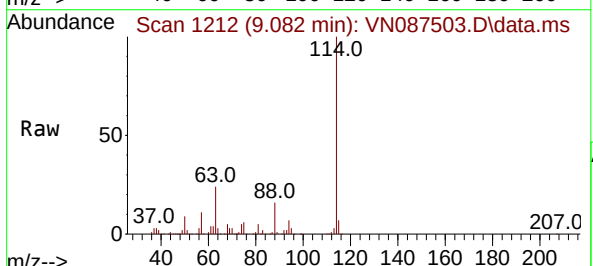
Tgt Ion: 114 Resp: 595007

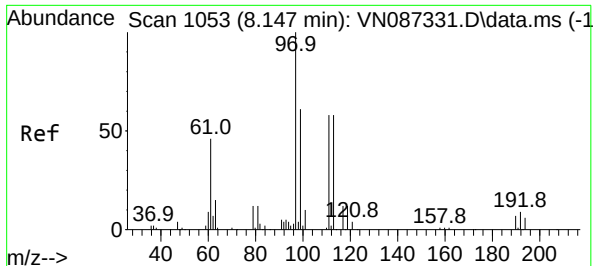
Ion Ratio Lower Upper

114 100

63 24.1 0.0 44.6

88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.225 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087503.D

Acq: 12 Aug 2025 10:45

Instrument :

MSVOA_N

ClientSampleId :

VN0812MBL01

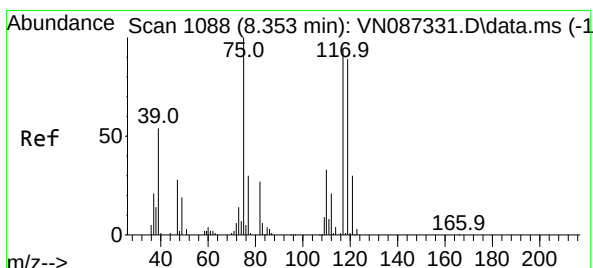
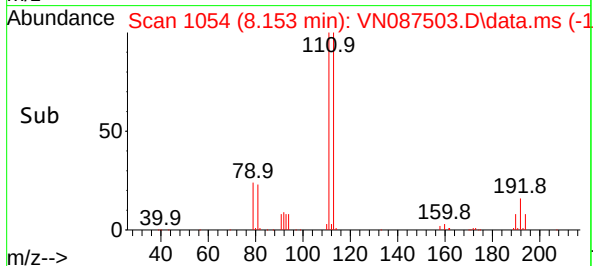
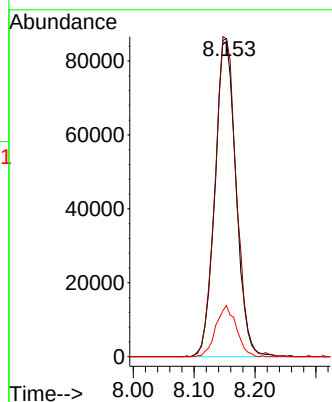
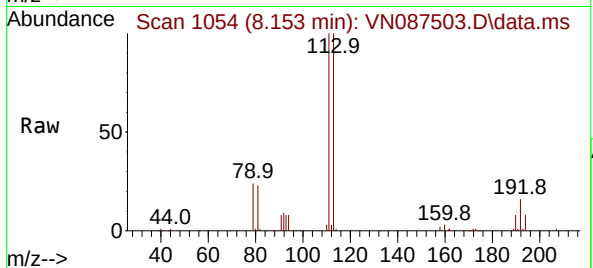
Tgt Ion:113 Resp: 206142

Ion Ratio Lower Upper

113 100

111 102.0 82.5 123.7

192 15.7 13.7 20.5



#36

1,1-Dichloropropene

Concen: 0.215 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.012 min

Lab File: VN087503.D

Acq: 12 Aug 2025 10:45

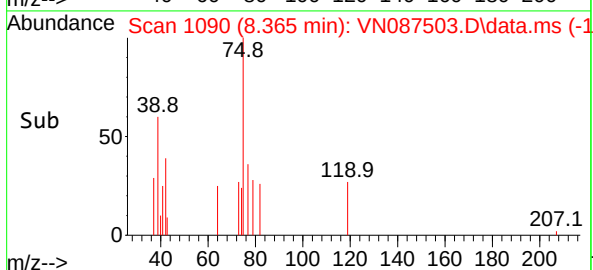
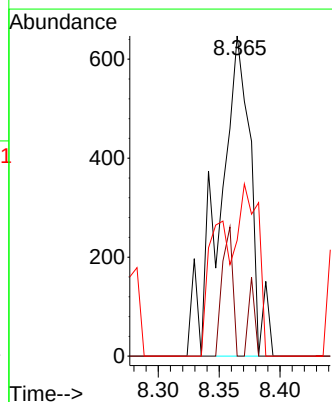
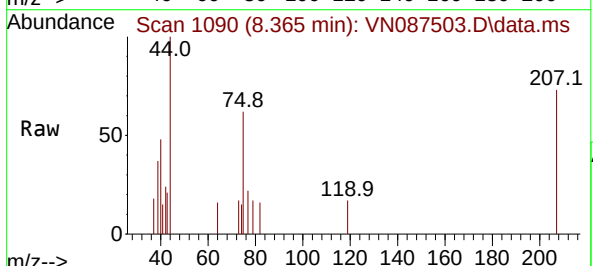
Tgt Ion: 75 Resp: 1164

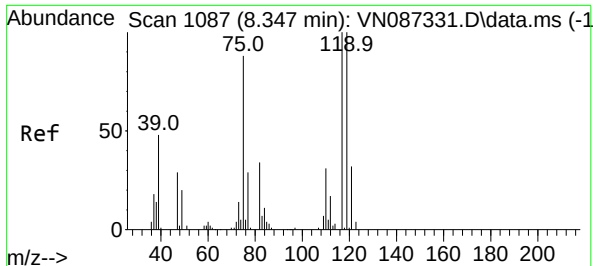
Ion Ratio Lower Upper

75 100

110 13.7 16.7 50.1#

77 35.7 25.2 37.8

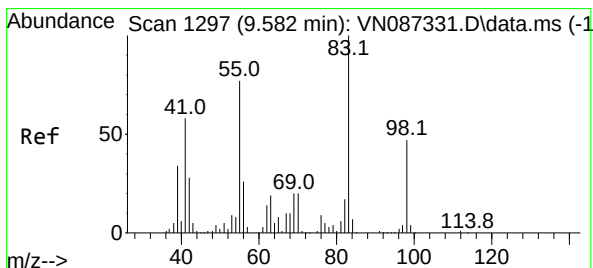
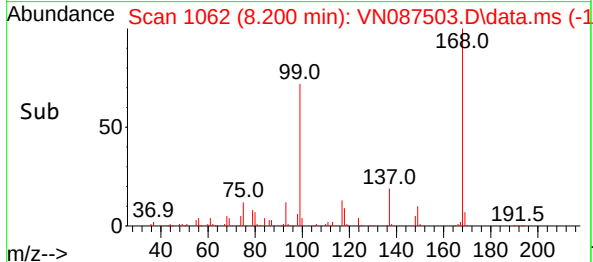
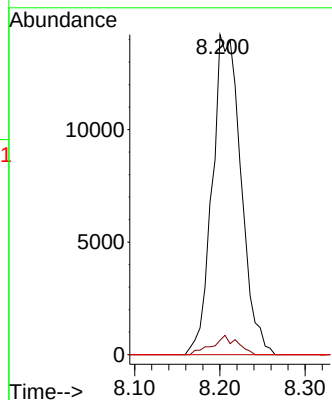
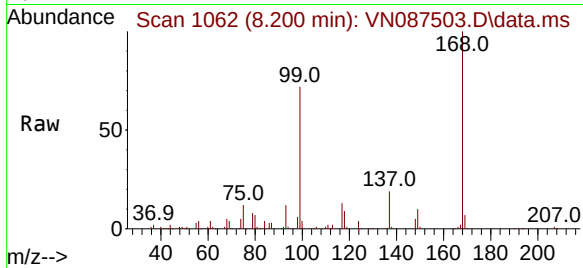




#38
Carbon Tetrachloride
Concen: 5.557 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.147 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

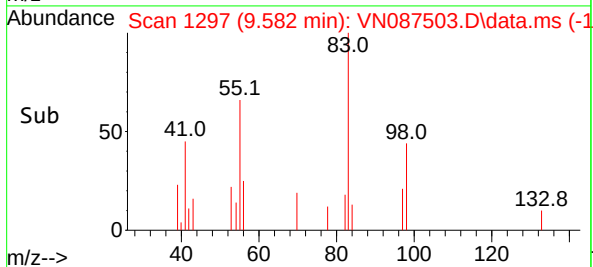
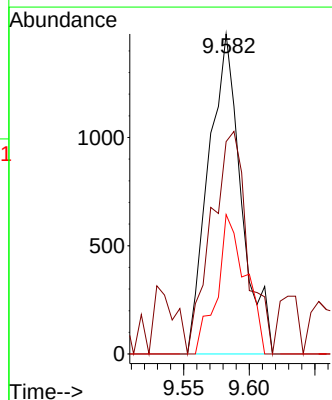
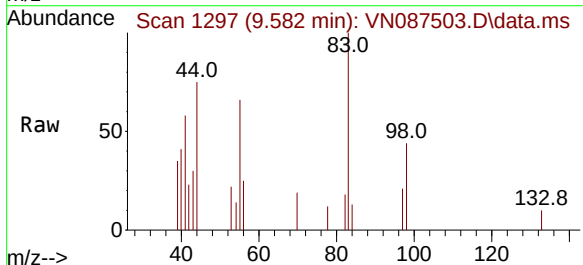
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

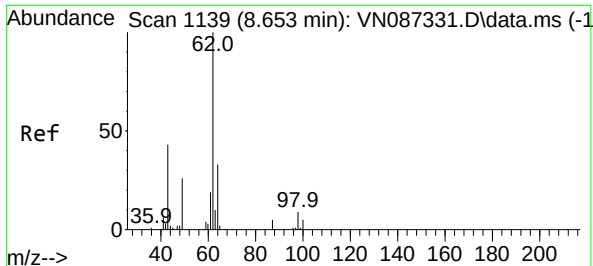
Tgt Ion:117 Resp: 33194
Ion Ratio Lower Upper
117 100
119 4.5 80.2 120.2#
121 0.0 25.4 38.2#



#39
Methylcyclohexane
Concen: 0.438 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 83 Resp: 2569
Ion Ratio Lower Upper
83 100
55 52.2 61.3 91.9#
98 43.6 37.9 56.9





#42

1,2-Dichloroethane

Concen: 0.207 ug/l

RT: 8.659 min Scan# 1140

Delta R.T. 0.006 min

Lab File: VN087503.D

Acq: 12 Aug 2025 10:45

Instrument :

MSVOA_N

ClientSampleId :

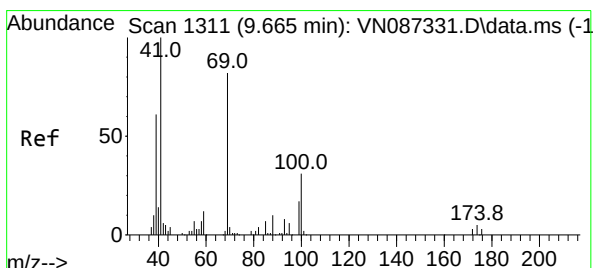
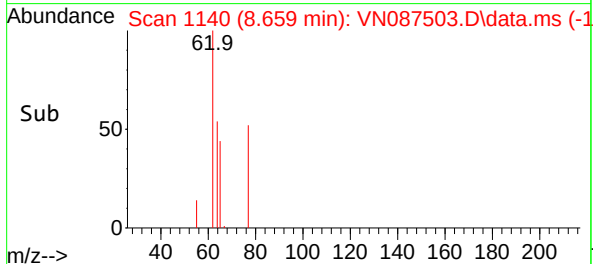
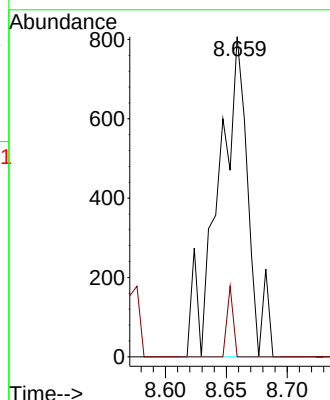
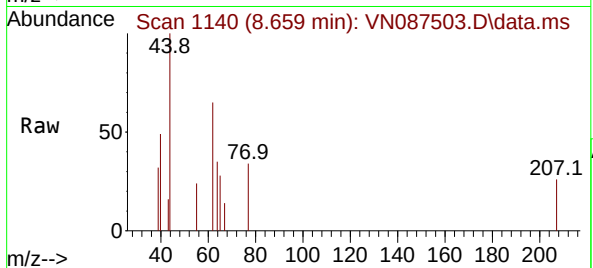
VN0812MBL01

Tgt Ion: 62 Resp: 1378

Ion Ratio Lower Upper

62 100

98 4.6 0.0 18.0



#48

Methyl methacrylate

Concen: 0.269 ug/l

RT: 9.653 min Scan# 1309

Delta R.T. -0.012 min

Lab File: VN087503.D

Acq: 12 Aug 2025 10:45

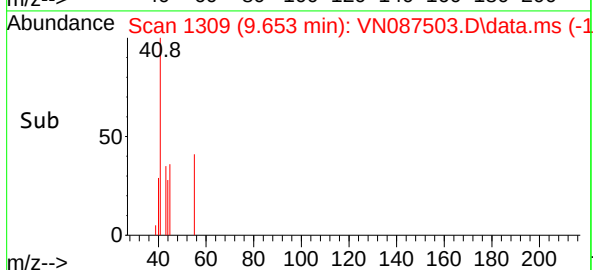
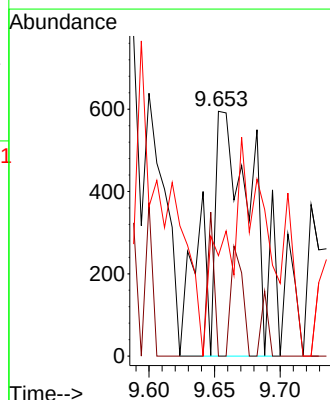
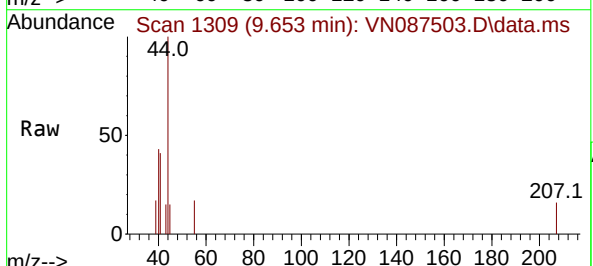
Tgt Ion: 41 Resp: 1470

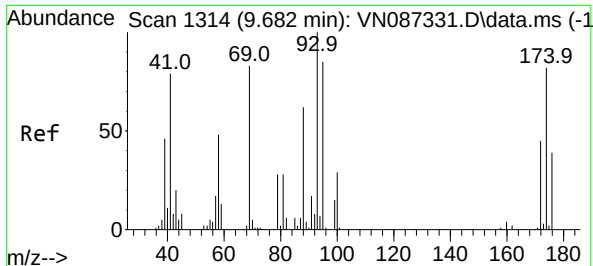
Ion Ratio Lower Upper

41 100

69 8.4 64.1 96.1#

39 0.0 45.5 68.3#





#49

1,4-Dioxane

Concen: 0.656 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.030 min

Lab File: VN087503.D

Acq: 12 Aug 2025 10:45

Instrument :

MSVOA_N

ClientSampleId :

VN0812MBL01

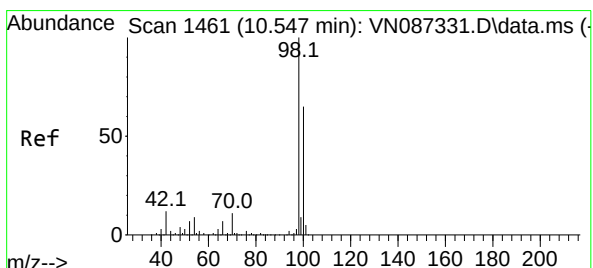
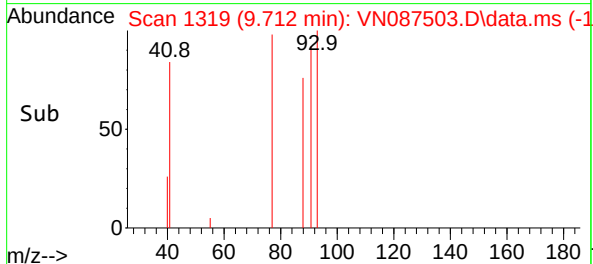
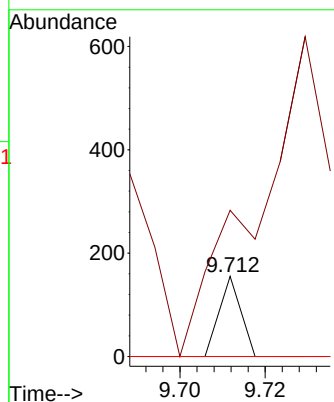
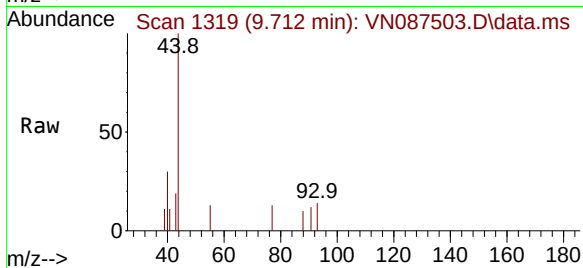
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 1718.2 0.0 0.0#

58 0.0 61.1 91.7#



#50

Toluene-d8

Concen: 51.118 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087503.D

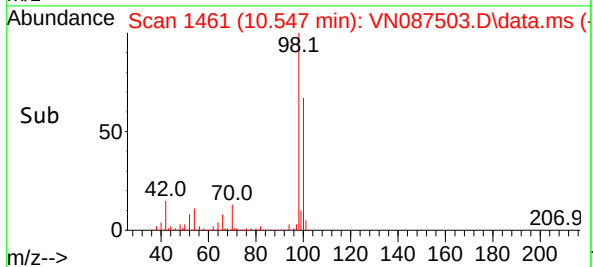
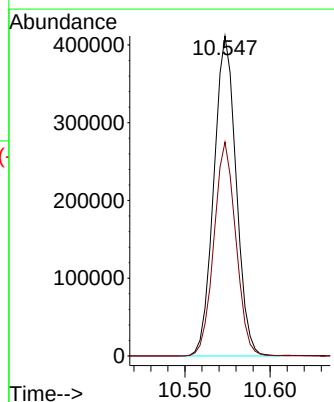
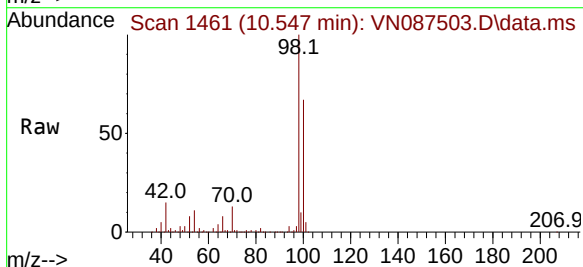
Acq: 12 Aug 2025 10:45

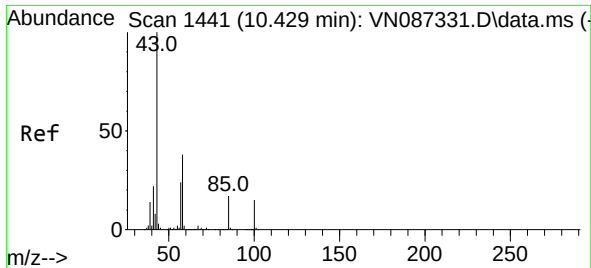
Tgt Ion: 98 Resp: 748411

Ion Ratio Lower Upper

98 100

100 65.7 52.1 78.1

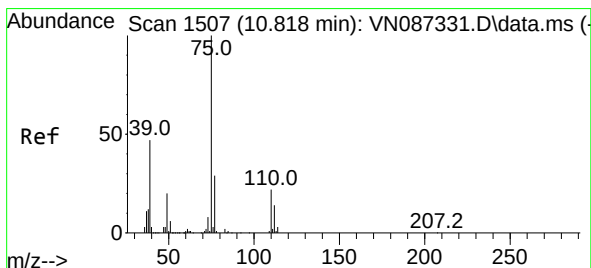
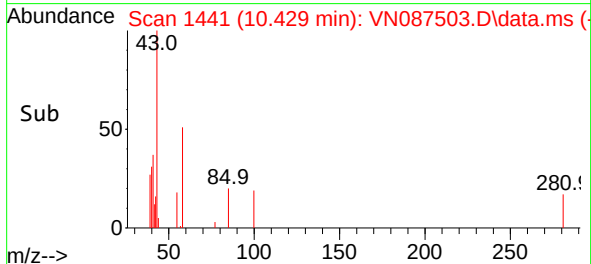
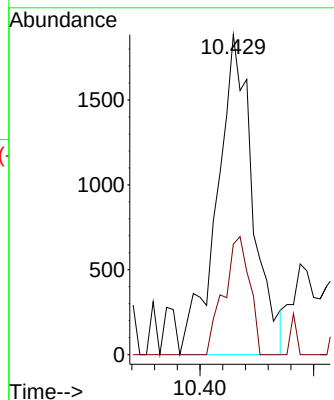
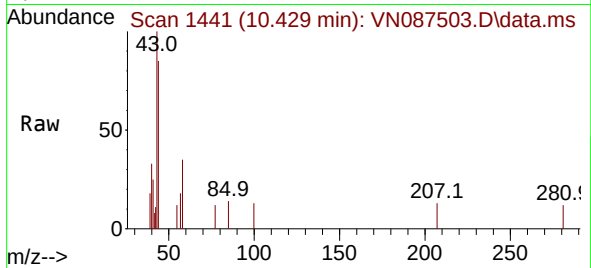




#51
4-Methyl-2-Pentanone
Concen: 0.536 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

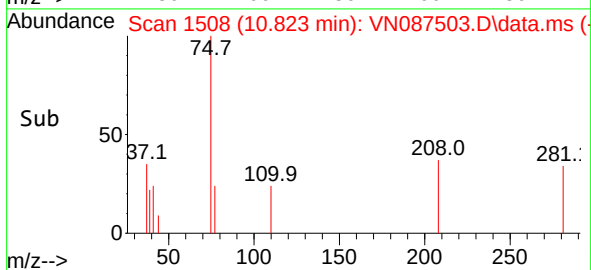
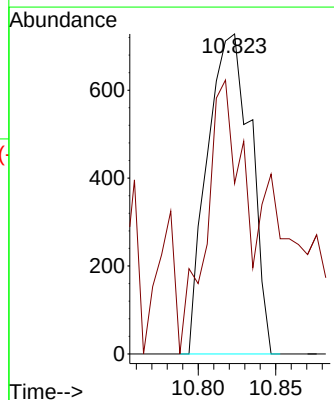
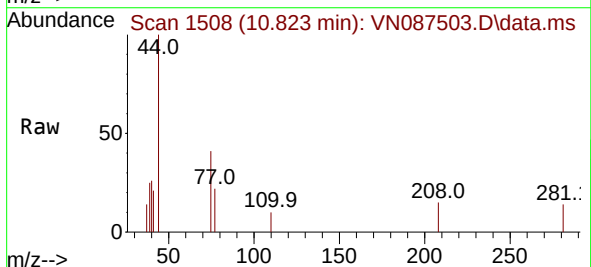
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

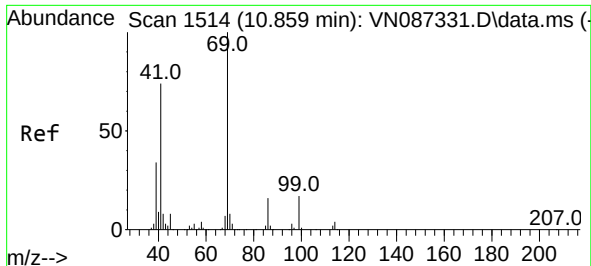
Tgt Ion: 43 Resp: 4118
Ion Ratio Lower Upper
43 100
58 26.4 30.8 46.2#



#53
t-1,3-Dichloropropene
Concen: 0.209 ug/l
RT: 10.823 min Scan# 1508
Delta R.T. 0.005 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 75 Resp: 1419
Ion Ratio Lower Upper
75 100
77 53.3 23.6 35.4#

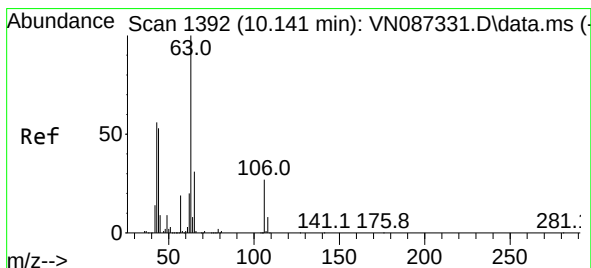
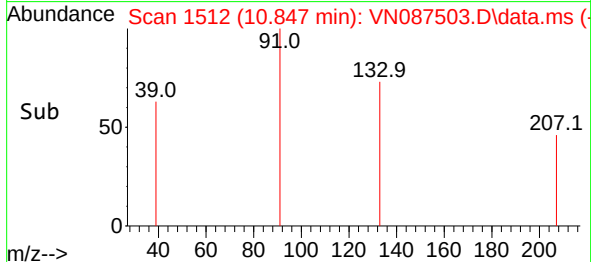
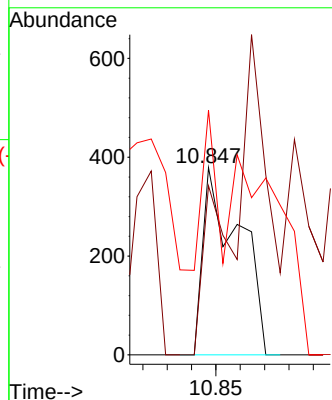
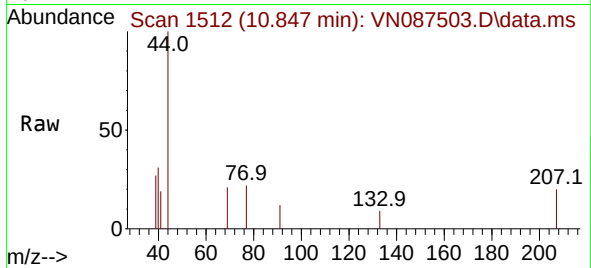




#56
Ethyl methacrylate
Concen: 0.690 ug/l
RT: 10.847 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

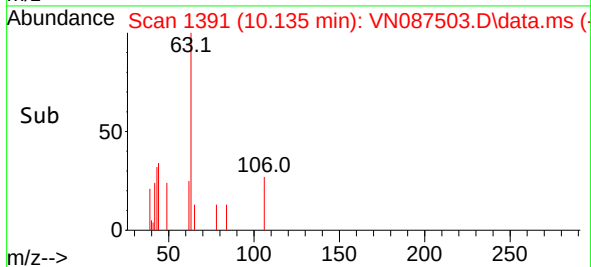
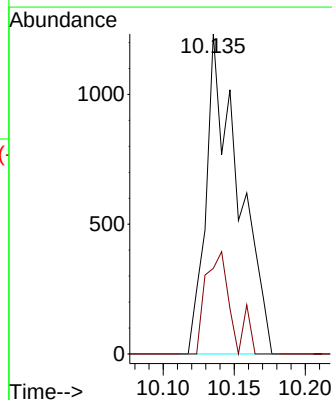
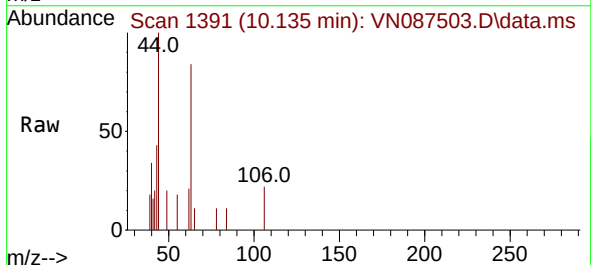
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

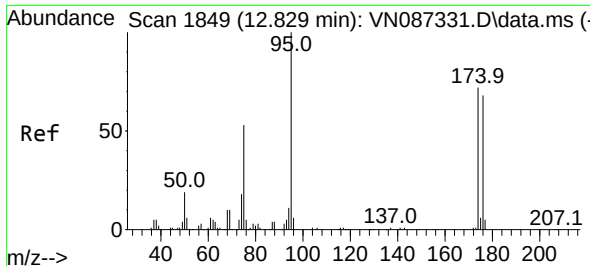
Tgt Ion: 69 Resp: 392
Ion Ratio Lower Upper
69 100
41 176.0 55.1 82.7#
39 30.4 27.9 41.9



#58
2-Chloroethyl Vinyl ether
Concen: 0.549 ug/l
RT: 10.135 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 63 Resp: 1943
Ion Ratio Lower Upper
63 100
106 25.3 21.7 32.5

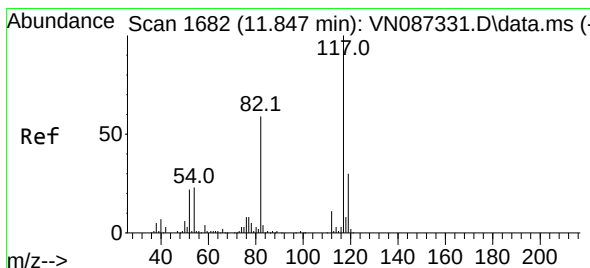
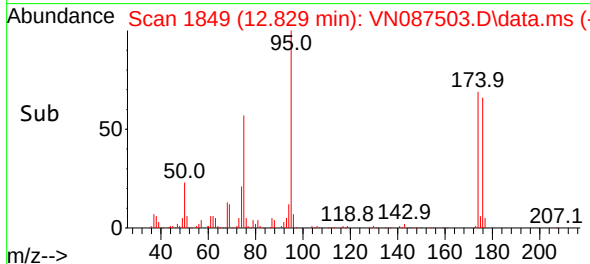
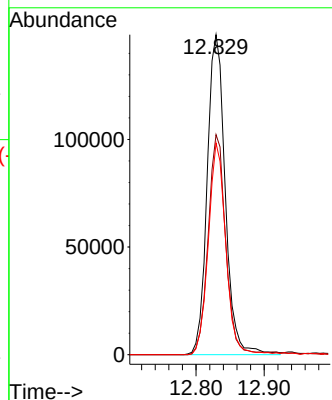
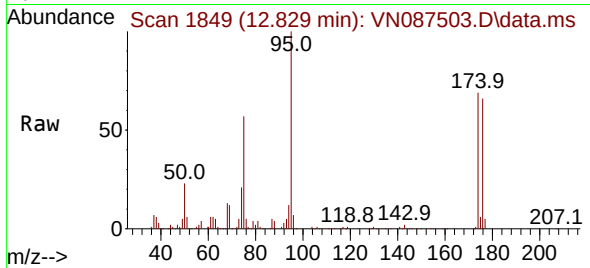




#62
4-Bromofluorobenzene
Concen: 50.681 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

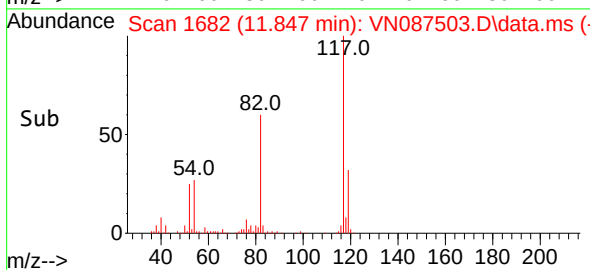
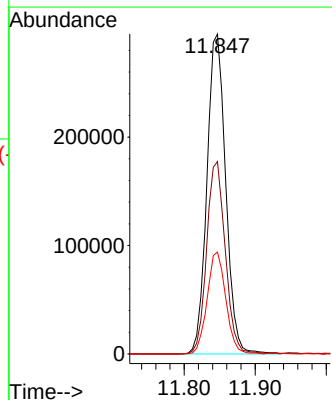
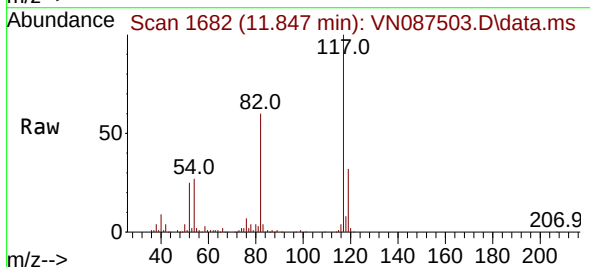
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

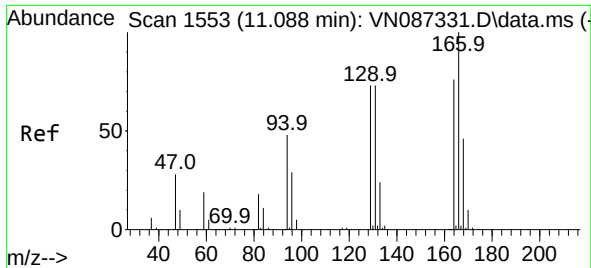
Tgt Ion: 95 Resp: 274137
Ion Ratio Lower Upper
95 100
174 67.7 0.0 149.4
176 63.9 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 117 Resp: 543044
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 31.8 23.8 35.8

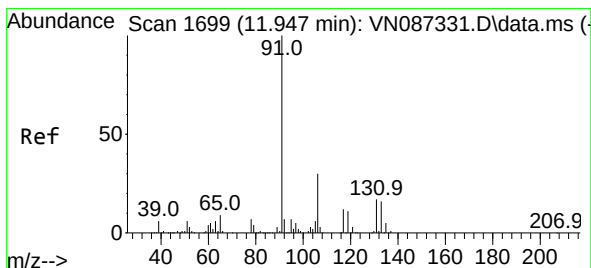
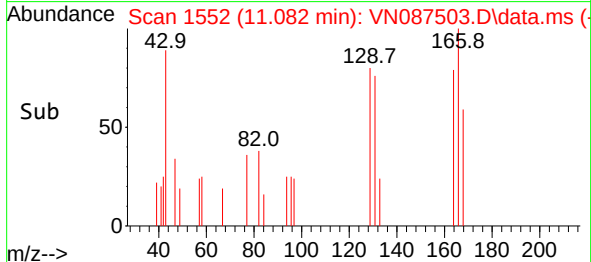
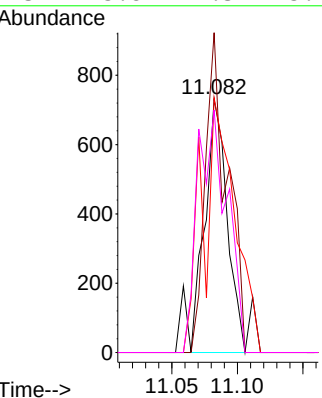
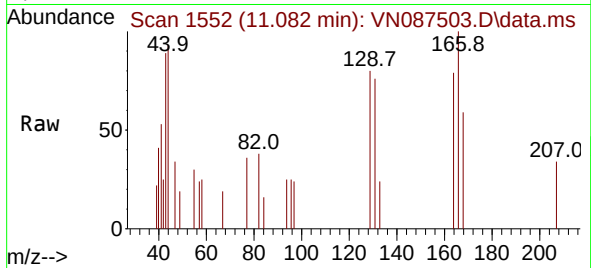




#64
Tetrachloroethene
Concen: 0.282 ug/l
RT: 11.082 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

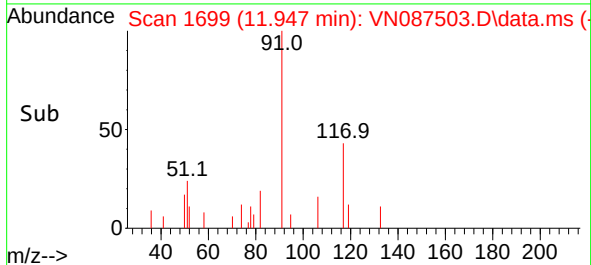
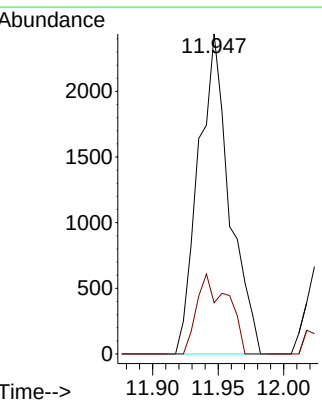
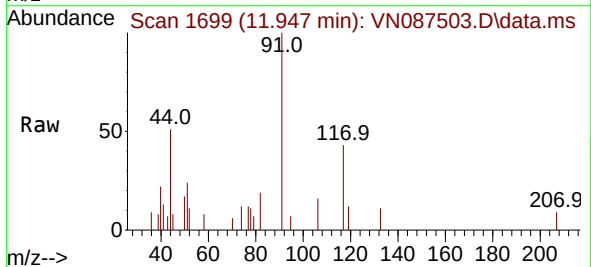
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

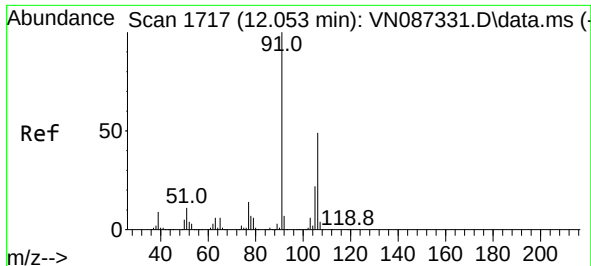
Tgt Ion:164 Resp: 985
Ion Ratio Lower Upper
164 100
166 126.3 105.5 158.3
129 100.5 77.4 116.2
131 95.8 77.3 115.9



#67
Ethyl Benzene
Concen: 0.201 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 91 Resp: 4034
Ion Ratio Lower Upper
91 100
106 16.0 24.3 36.5#

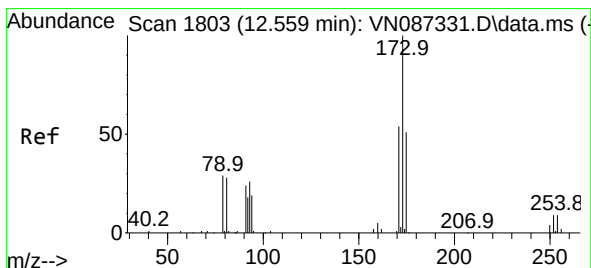
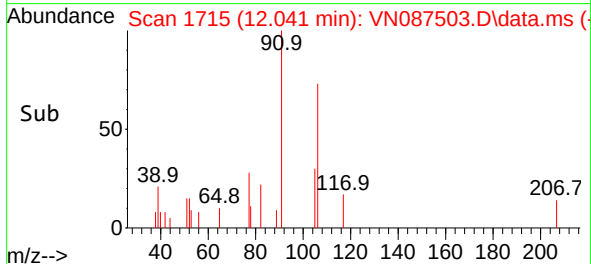
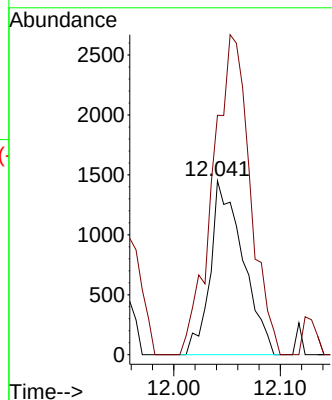
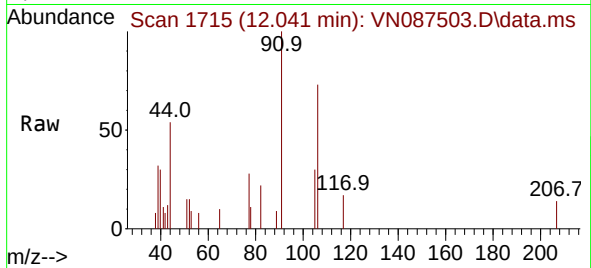




#68
m/p-Xylenes
Concen: 0.411 ug/l
RT: 12.041 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

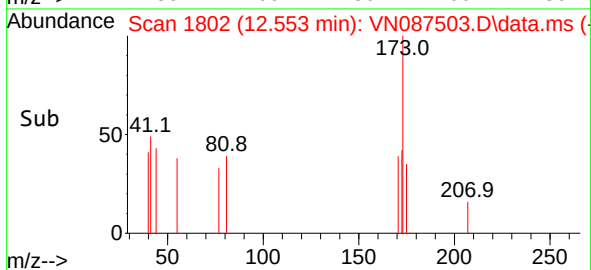
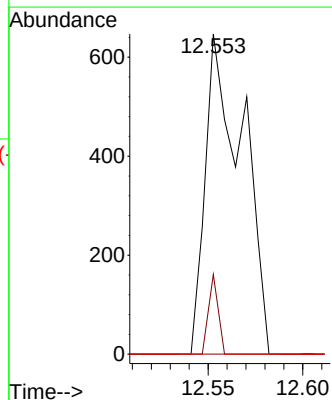
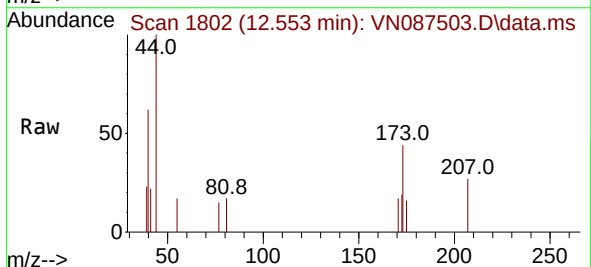
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

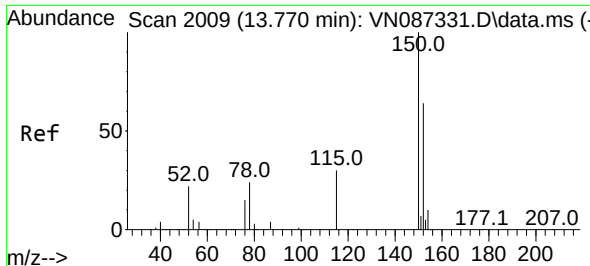
Tgt Ion:106 Resp: 3089
Ion Ratio Lower Upper
106 100
91 210.6 162.0 243.0



#71
Bromoform
Concen: 0.265 ug/l
RT: 12.553 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion:173 Resp: 886
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0

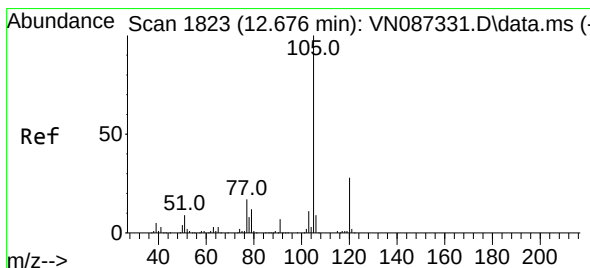
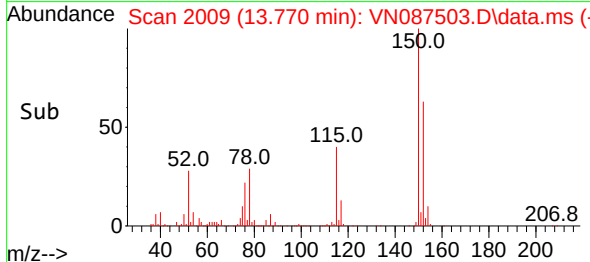
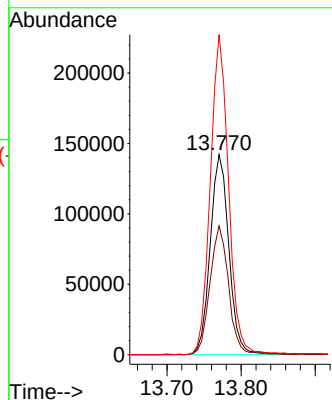
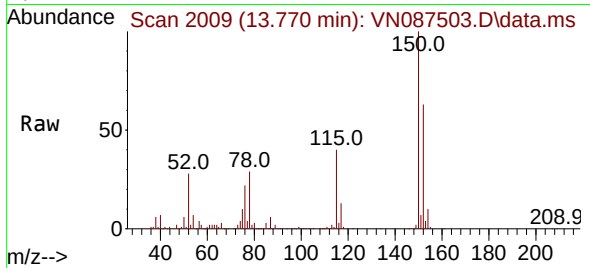




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN087503.D
 Acq: 12 Aug 2025 10:45

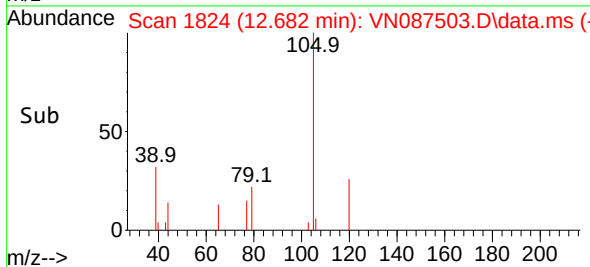
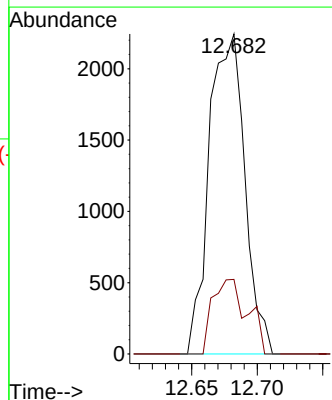
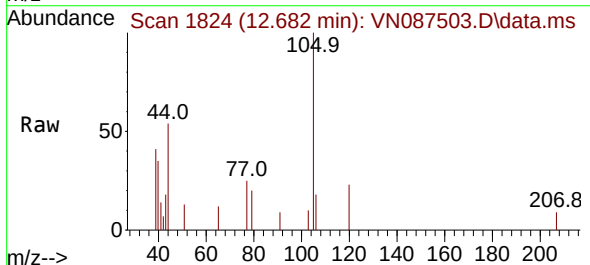
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812MBL01

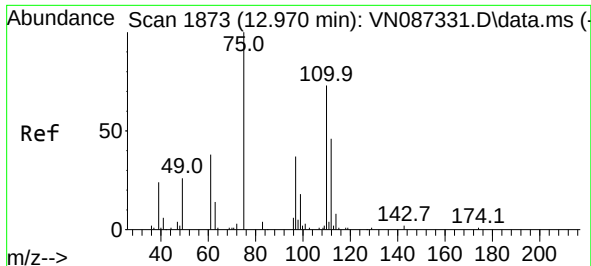
Tgt Ion:152 Resp: 248969
 Ion Ratio Lower Upper
 152 100
 115 64.6 31.1 93.5
 150 156.5 0.0 349.0



#73
 Isopropylbenzene
 Concen: 0.270 ug/l
 RT: 12.682 min Scan# 1824
 Delta R.T. 0.006 min
 Lab File: VN087503.D
 Acq: 12 Aug 2025 10:45

Tgt Ion:105 Resp: 4229
 Ion Ratio Lower Upper
 105 100
 120 22.8 13.4 40.1

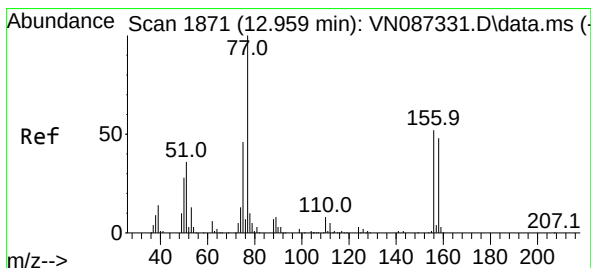
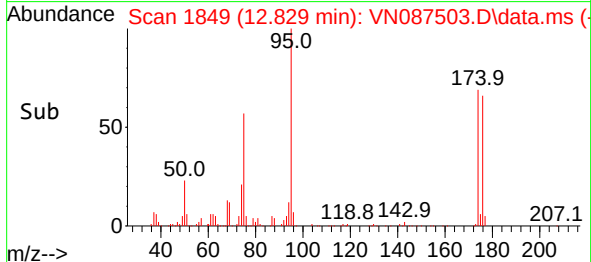
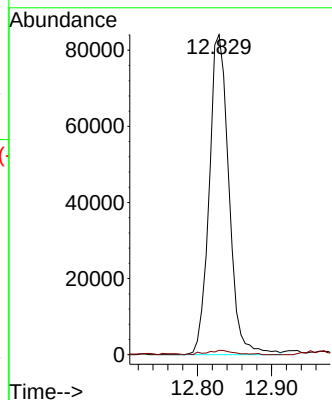
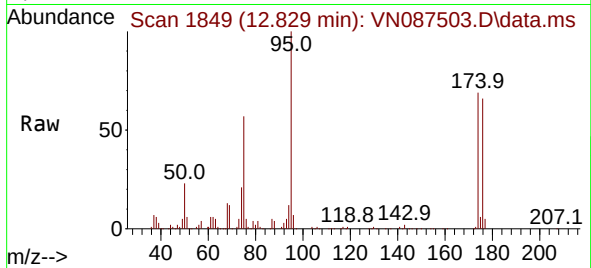




#76
1,2,3-Trichloropropane
Concen: 27.781 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

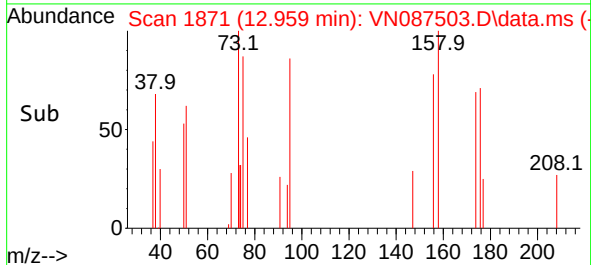
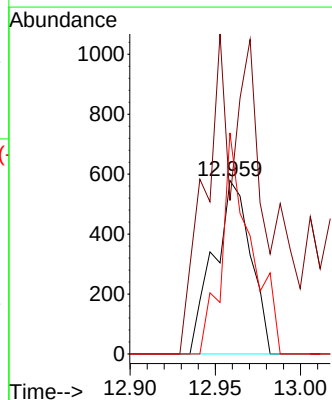
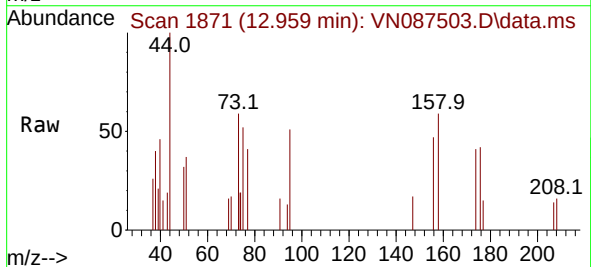
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

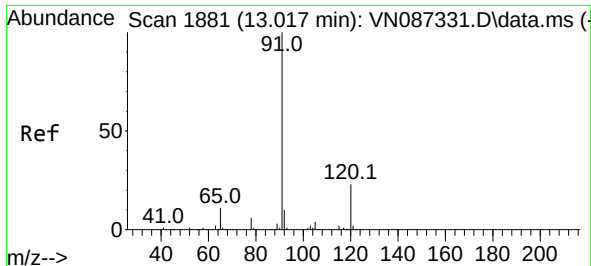
Tgt Ion: 75 Resp: 155099
Ion Ratio Lower Upper
75 100
77 1.9 94.5 283.6#



#77
Bromobenzene
Concen: 0.215 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion:156 Resp: 873
Ion Ratio Lower Upper
156 100
77 119.9 114.9 344.6
158 99.3 48.5 145.5

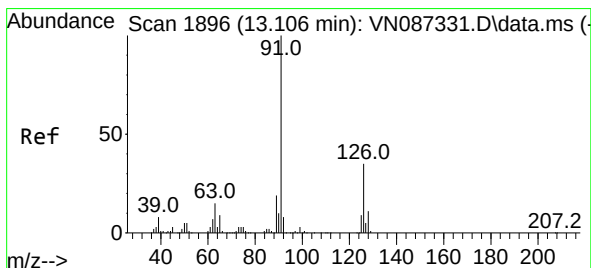
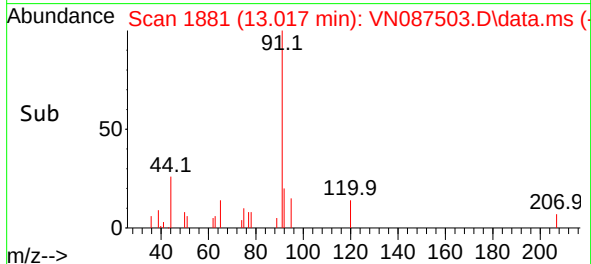
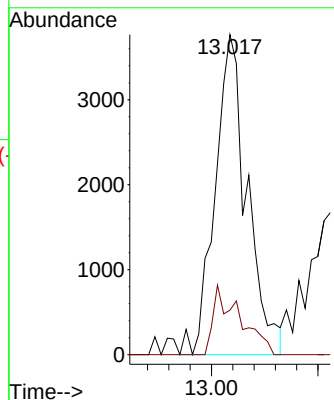
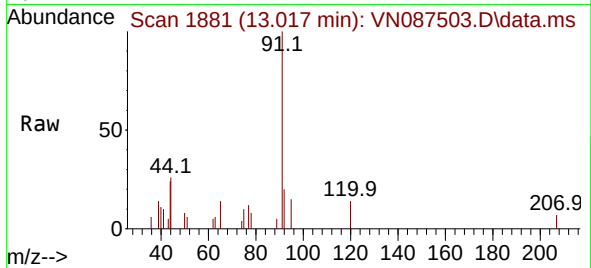




#78
n-propylbenzene
Concen: 0.399 ug/l
RT: 13.017 min Scan# 1881
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

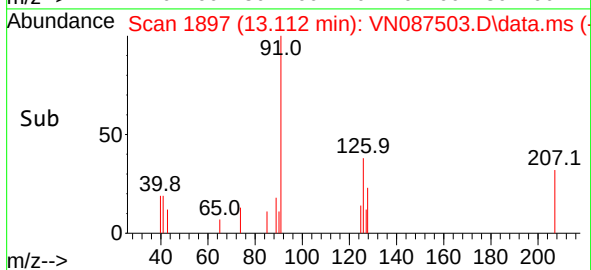
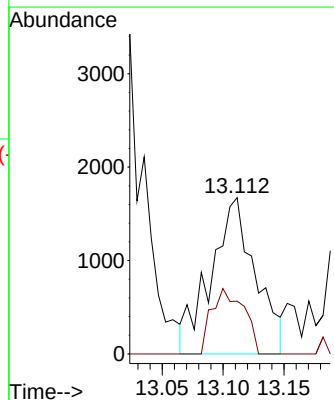
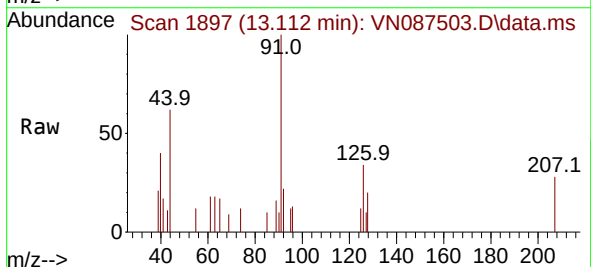
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

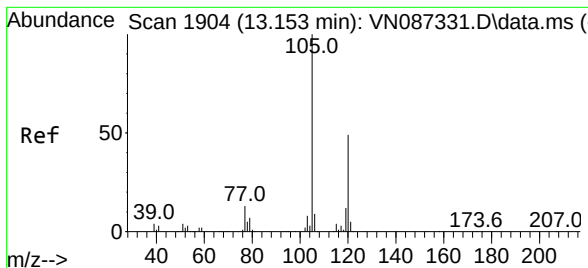
Tgt Ion: 91 Resp: 7862
Ion Ratio Lower Upper
91 100
120 18.2 11.3 33.8



#79
2-Chlorotoluene
Concen: 0.351 ug/l
RT: 13.112 min Scan# 1897
Delta R.T. 0.006 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 91 Resp: 4258
Ion Ratio Lower Upper
91 100
126 30.2 16.9 50.6





#80

1,3,5-Trimethylbenzene

Concen: 0.360 ug/l

RT: 13.147 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VN087503.D

Acq: 12 Aug 2025 10:45

Instrument :

MSVOA_N

ClientSampleId :

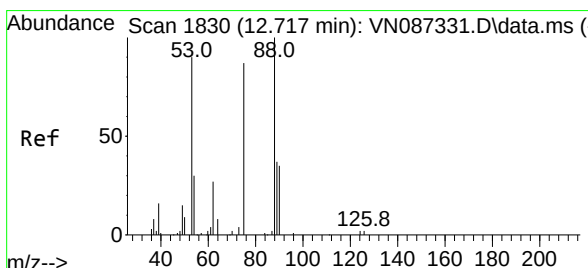
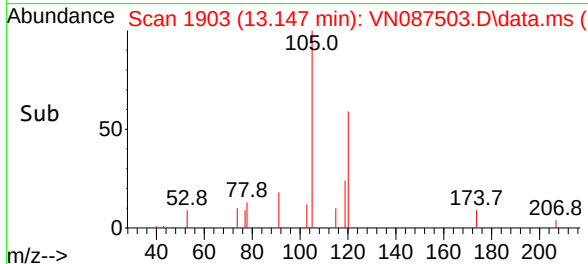
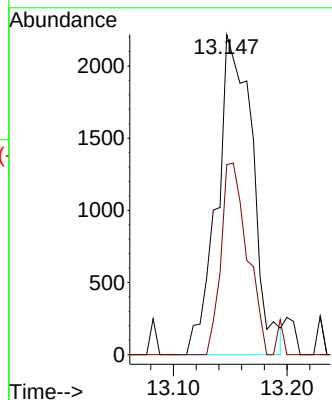
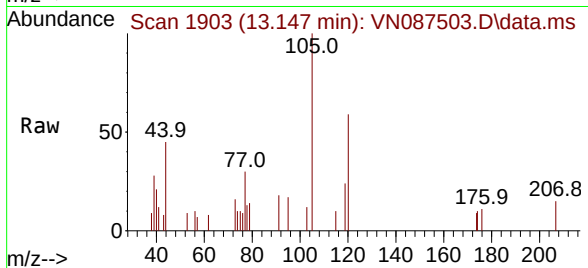
VN0812MBL01

Tgt Ion:105 Resp: 4809

Ion Ratio Lower Upper

105 100

120 44.4 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 76.013 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.112 min

Lab File: VN087503.D

Acq: 12 Aug 2025 10:45

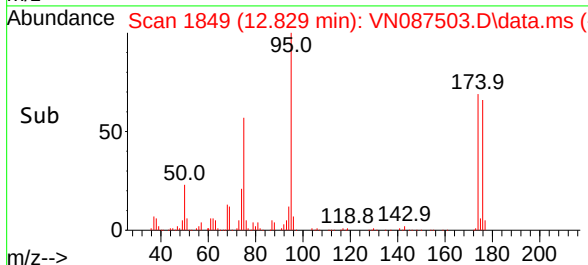
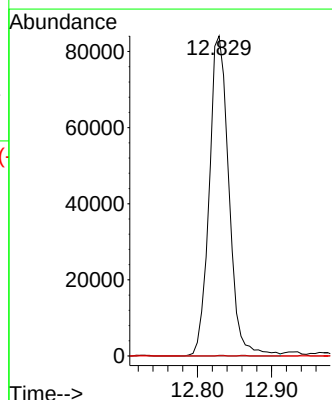
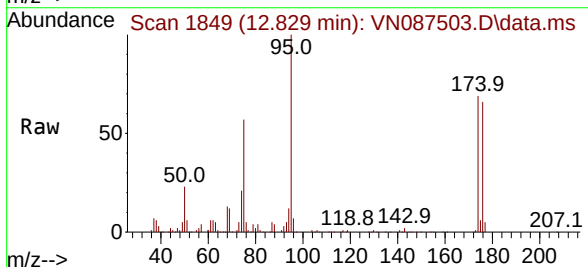
Tgt Ion: 75 Resp: 155099

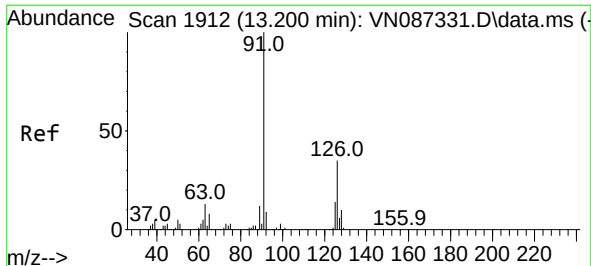
Ion Ratio Lower Upper

75 100

53 0.1 83.5 125.3#

89 0.0 38.4 57.6#

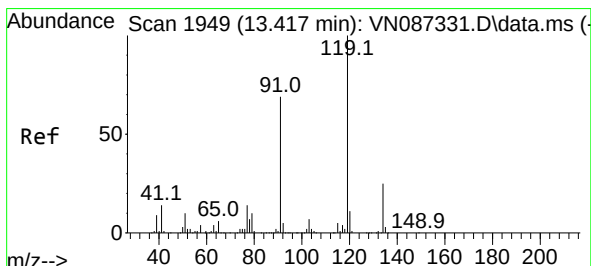
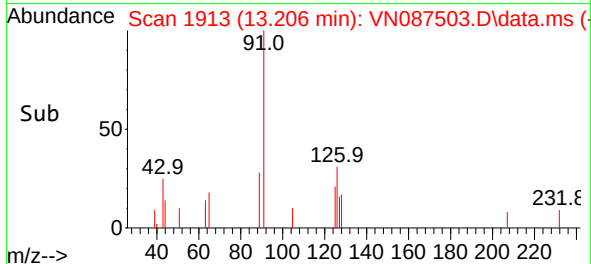
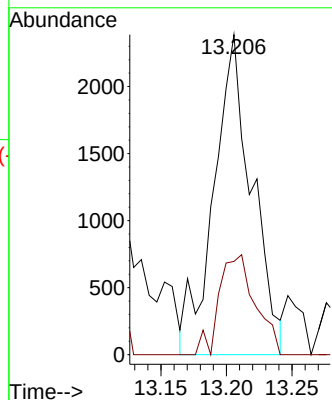
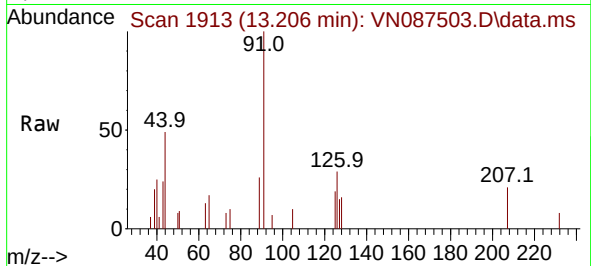




#82
4-Chlorotoluene
Concen: 0.382 ug/l
RT: 13.206 min Scan# 1912
Delta R.T. 0.006 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

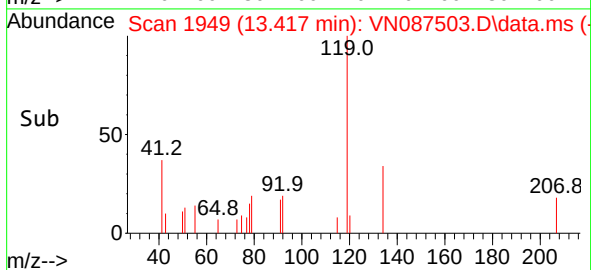
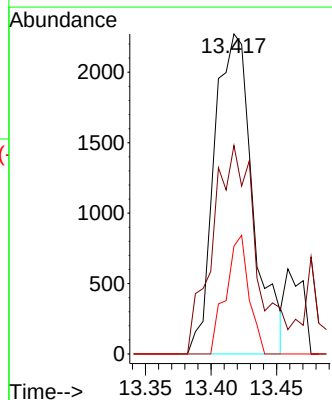
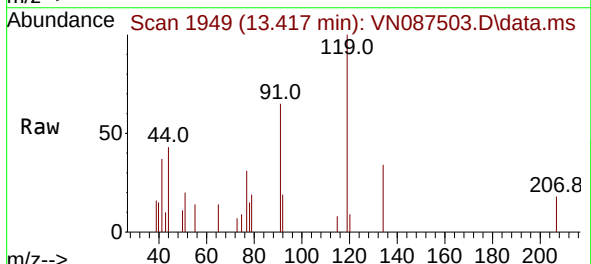
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

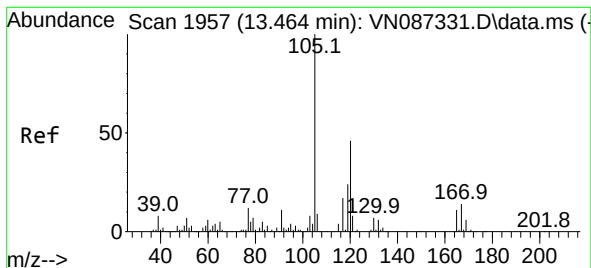
Tgt Ion: 91 Resp: 4824
Ion Ratio Lower Upper
91 100
126 29.6 16.6 49.7



#83
tert-Butylbenzene
Concen: 0.417 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion: 119 Resp: 4655
Ion Ratio Lower Upper
119 100
91 73.7 35.0 105.1
134 22.2 12.6 37.6





#84

1,2,4-Trimethylbenzene

Concen: 0.289 ug/l

RT: 13.464 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VN087503.D

Acq: 12 Aug 2025 10:45

Instrument :

MSVOA_N

ClientSampleId :

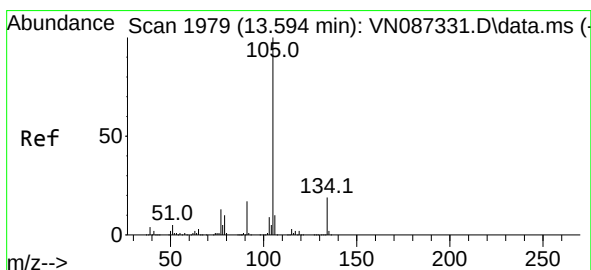
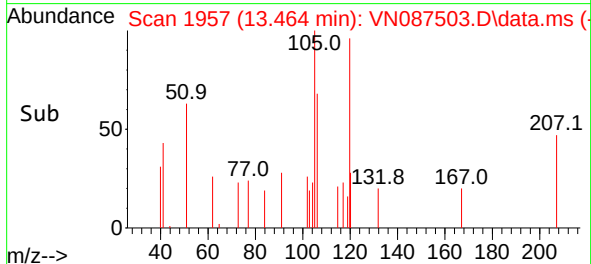
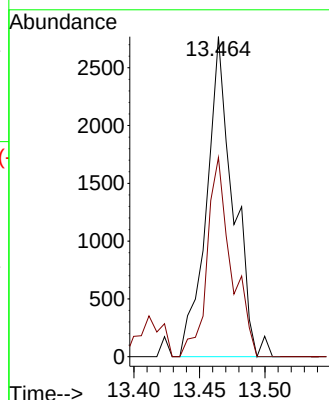
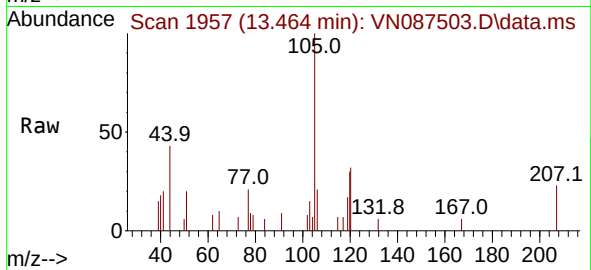
VN0812MBL01

Tgt Ion:105 Resp: 3934

Ion Ratio Lower Upper

105 100

120 56.4 22.8 68.3



#85

sec-Butylbenzene

Concen: 0.408 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VN087503.D

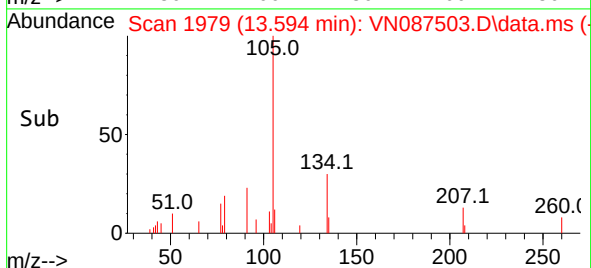
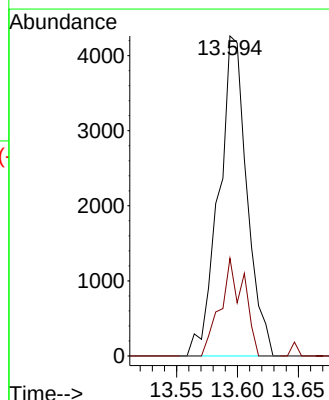
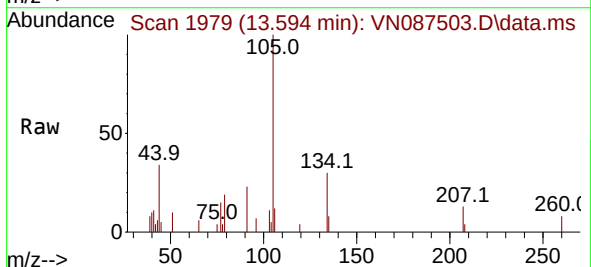
Acq: 12 Aug 2025 10:45

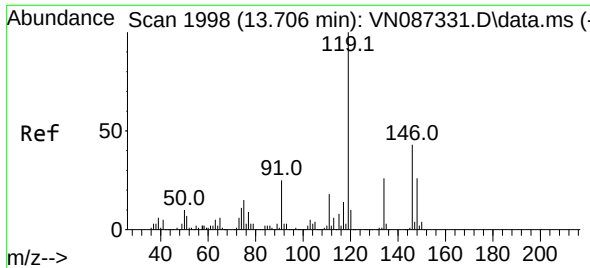
Tgt Ion:105 Resp: 6849

Ion Ratio Lower Upper

105 100

134 25.7 9.8 29.4

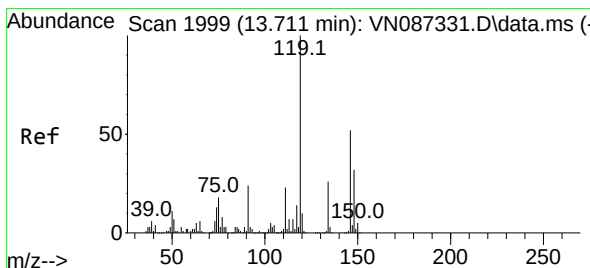
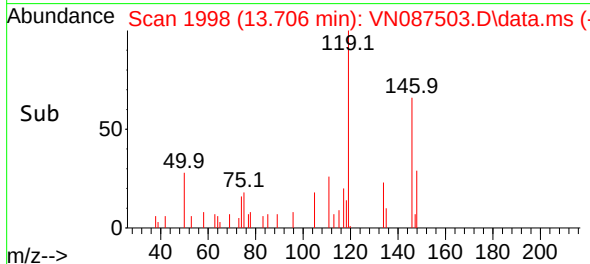
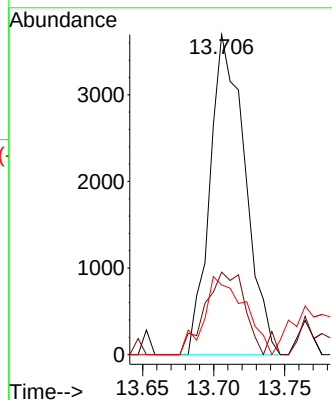
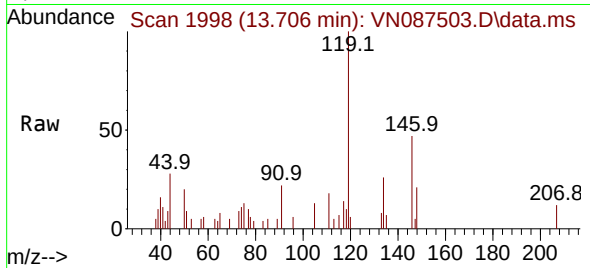




#86
p-Isopropyltoluene
Concen: 0.471 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

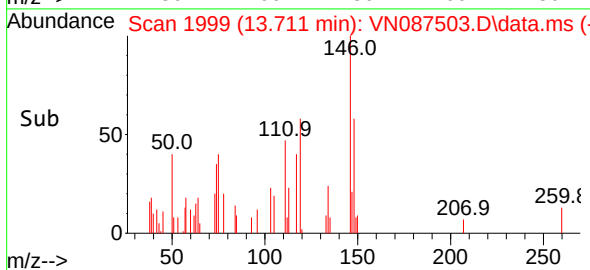
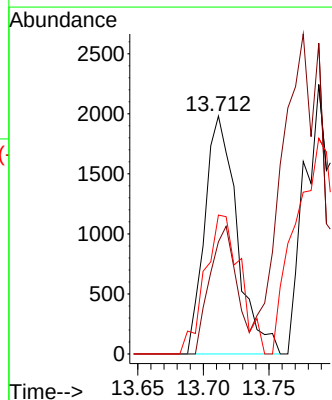
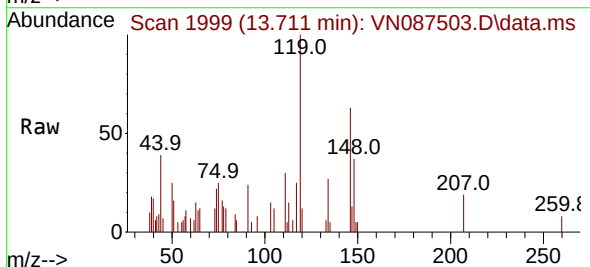
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

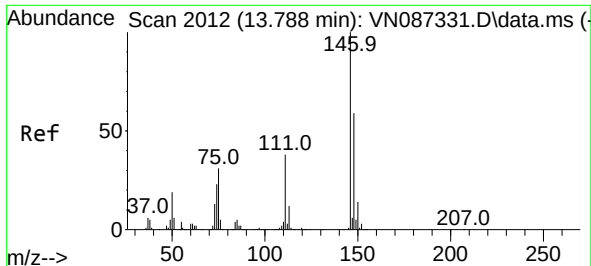
Tgt Ion:119 Resp: 6340
Ion Ratio Lower Upper
119 100
134 29.0 13.5 40.5
91 28.4 12.2 36.6



#87
1,3-Dichlorobenzene
Concen: 0.426 ug/l
RT: 13.711 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion:146 Resp: 3401
Ion Ratio Lower Upper
146 100
111 44.8 21.4 64.3
148 63.6 31.6 95.0

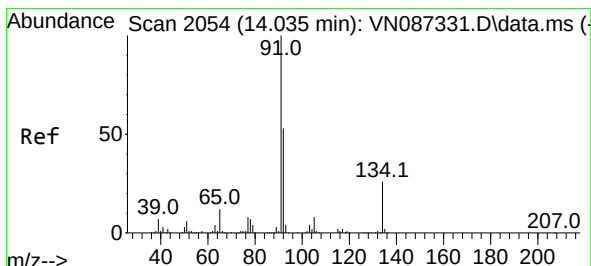
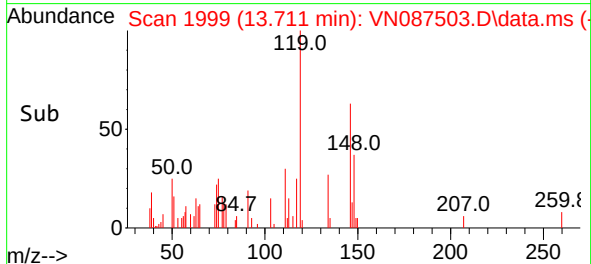
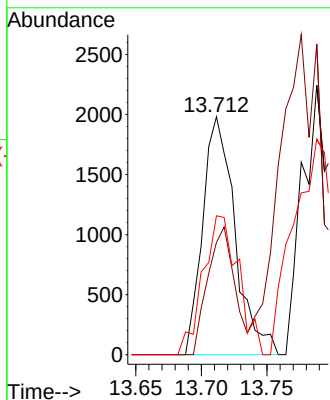
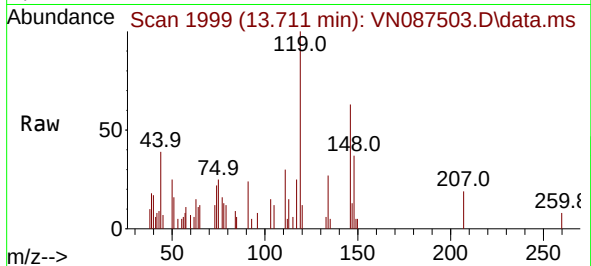




#88
 1,4-Dichlorobenzene
 Concen: 0.399 ug/l
 RT: 13.711 min Scan# 1999
 Delta R.T. -0.076 min
 Lab File: VN087503.D
 Acq: 12 Aug 2025 10:45

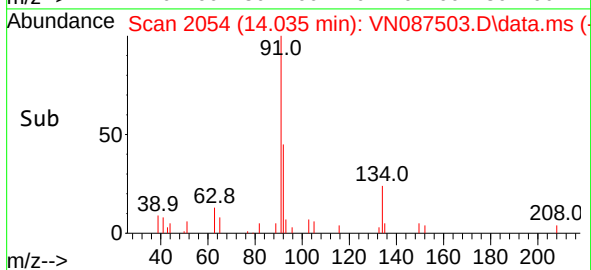
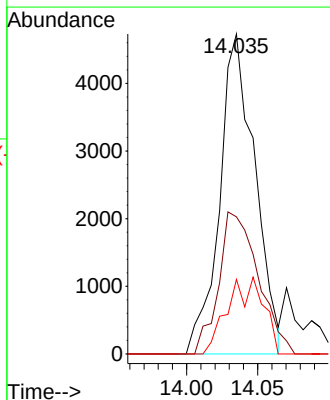
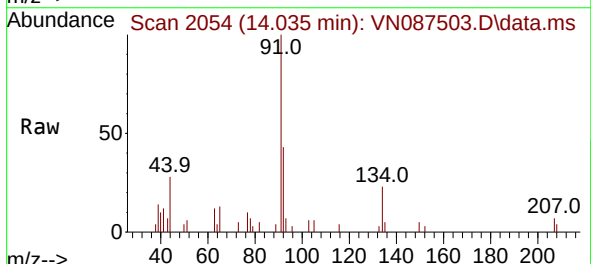
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812MBL01

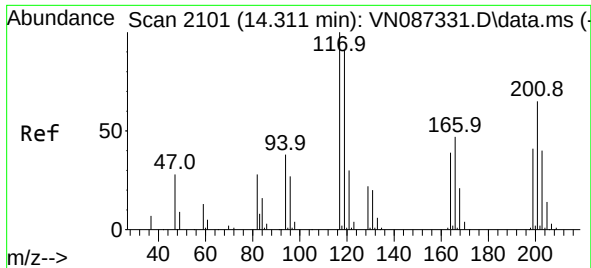
Tgt Ion:	146	Resp:	3401
Ion	Ratio	Lower	Upper
146	100		
111	44.8	19.6	58.7
148	63.6	31.4	94.0



#89
 n-Butylbenzene
 Concen: 0.635 ug/l
 RT: 14.035 min Scan# 2054
 Delta R.T. 0.000 min
 Lab File: VN087503.D
 Acq: 12 Aug 2025 10:45

Tgt Ion:	91	Resp:	8159
Ion	Ratio	Lower	Upper
91	100		
92	49.9	26.2	78.6
134	24.3	12.4	37.2

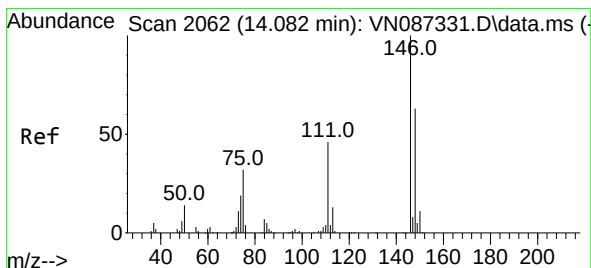
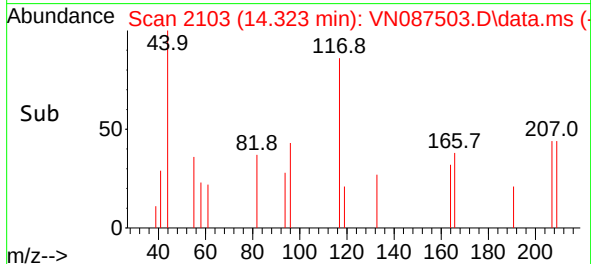
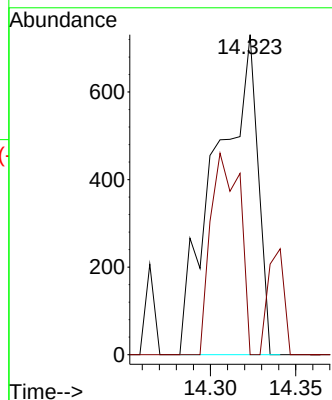
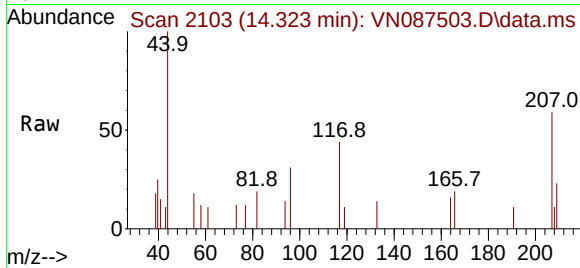




#90
Hexachloroethane
Concen: 0.432 ug/l
RT: 14.323 min Scan# 2103
Delta R.T. 0.012 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

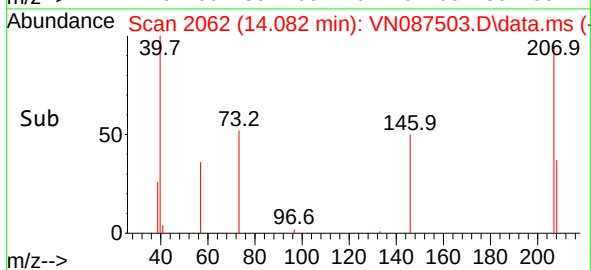
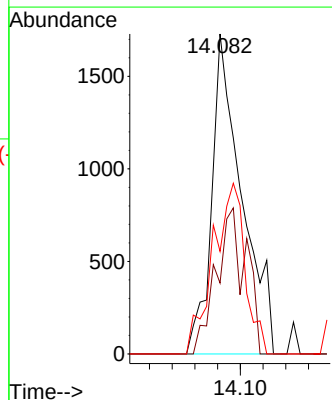
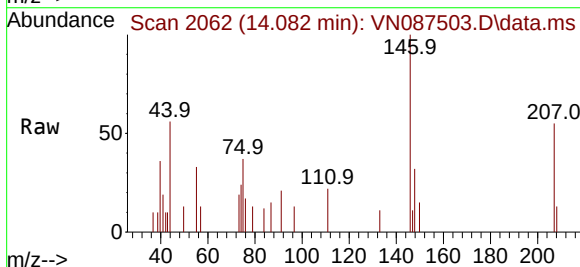
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

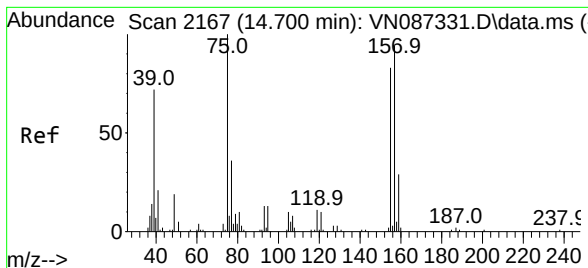
Tgt Ion:117 Resp: 1231
Ion Ratio Lower Upper
117 100
201 12.8 32.8 98.4#



#91
1,2-Dichlorobenzene
Concen: 0.422 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Tgt Ion:146 Resp: 3191
Ion Ratio Lower Upper
146 100
111 45.0 22.0 66.0
148 56.5 32.7 98.1

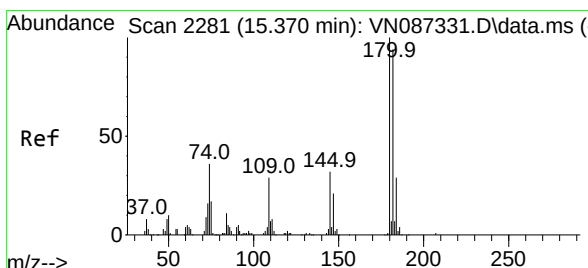
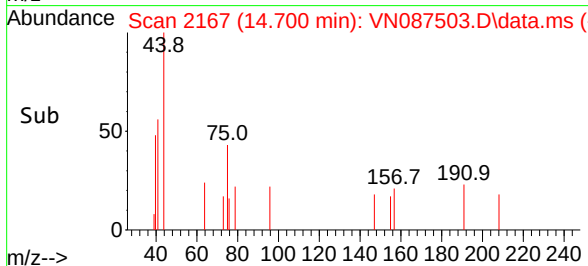
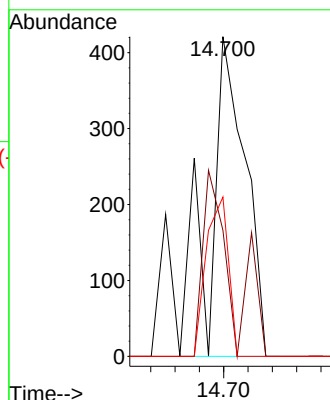
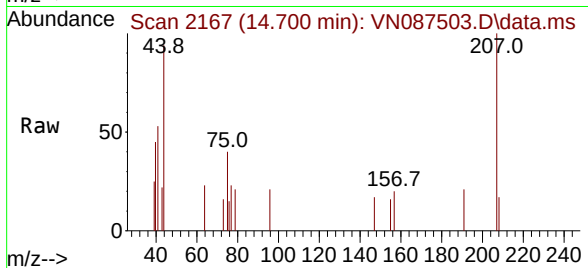




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.276 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

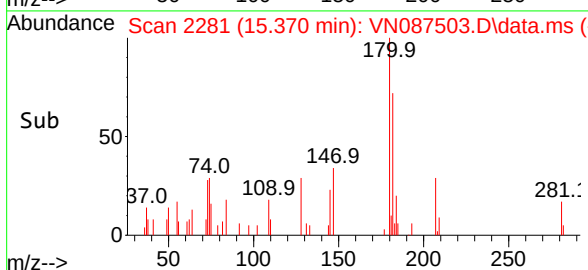
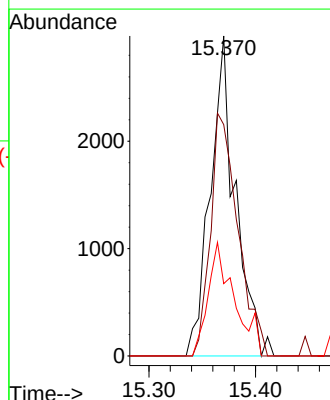
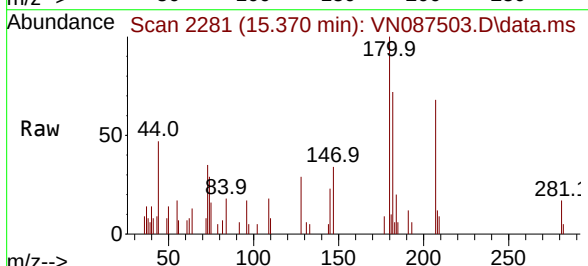
Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

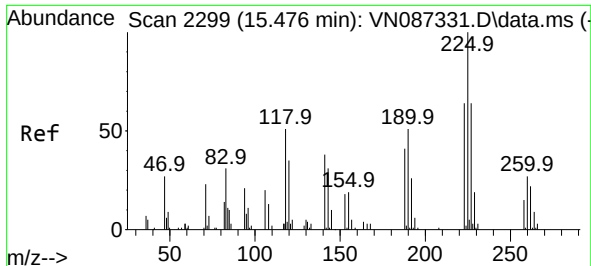
Tgt Ion: 75 Resp: 428
Ion Ratio Lower Upper
75 100
155 47.4 37.3 111.8
157 31.1 46.2 138.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.100 ug/l
RT: 15.370 min Scan# 2281
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

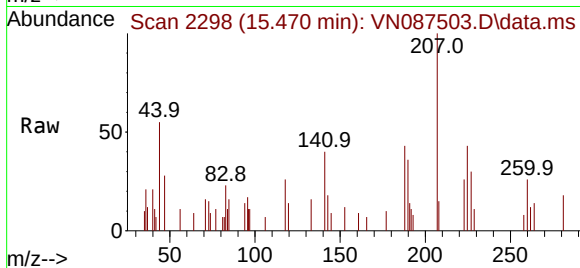
Tgt Ion: 180 Resp: 4882
Ion Ratio Lower Upper
180 100
182 83.0 47.3 141.8
145 37.2 15.4 46.4



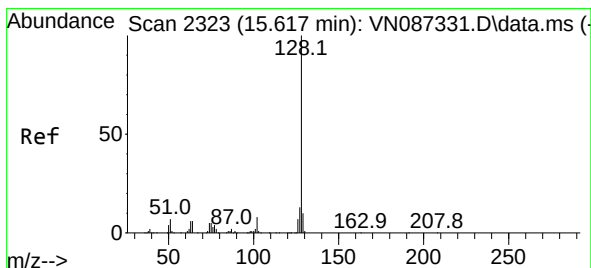
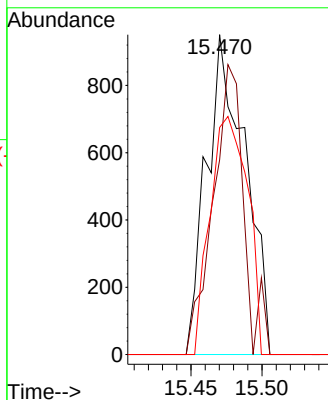
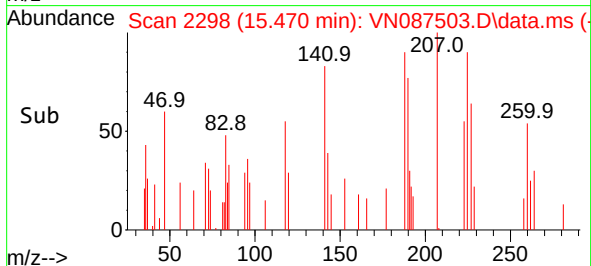


#94
Hexachlorobutadiene
Concen: 1.093 ug/l
RT: 15.470 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0812MBL01

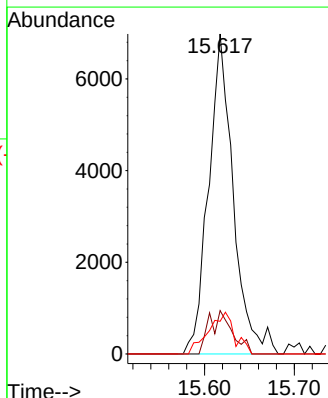
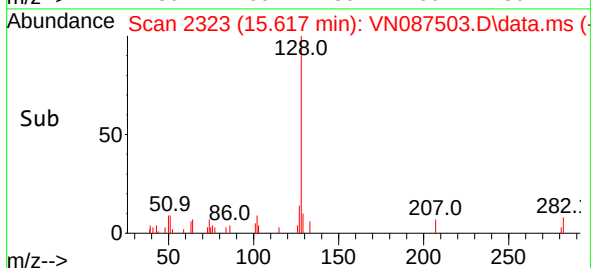
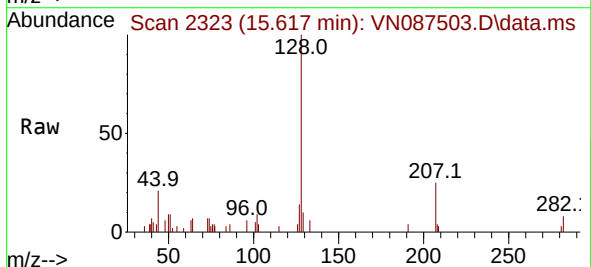


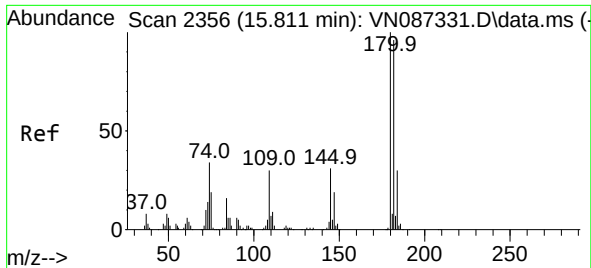
Tgt Ion:	225	Resp:	1802
Ion Ratio	Lower	Upper	
225	100		
223	71.4	32.1	96.3
227	72.4	31.3	93.9



#95
Naphthalene
Concen: 0.849 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN087503.D
Acq: 12 Aug 2025 10:45

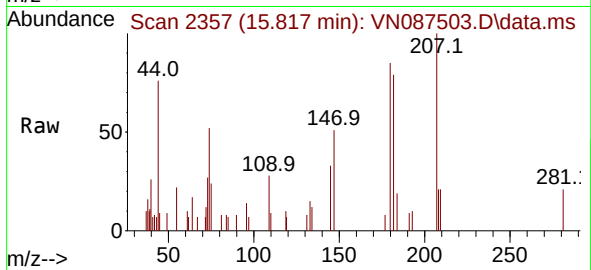
Tgt Ion:	128	Resp:	13355
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.5	15.7
129	13.7	8.4	12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 0.987 ug/l
 RT: 15.817 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN087503.D
 Acq: 12 Aug 2025 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812MBL01



Tgt Ion:	180	Resp:	4396
Ion	Ratio	Lower	Upper
180	100		
182	90.6	47.1	141.4
145	18.7	16.9	50.6

