

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072825\
 Data File : VN087424.D
 Acq On : 28 Jul 2025 11:31
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 28 13:25:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:35:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	71229	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	402111	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	344799	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	161962	29.735	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.133%
60) 4-Bromofluorobenzene	12.829	95	164833	29.112	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.033%
63) Toluene-d8	10.547	98	487396	30.780	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	2114	0.509	ug/l	92
3) Chloromethane	2.389	50	1898	0.430	ug/l	95
4) Vinyl Chloride	2.542	62	1732	0.388	ug/l #	80
5) Bromomethane	2.995	94	1428	0.656	ug/l	88
7) Trichlorofluoromethane	3.512	101	1450	0.258	ug/l #	81
8) Diethyl Ether	3.959	74	562	0.240	ug/l	41
9) 1,1,2-Trichlorotrifluo...	4.348	101	943	0.308	ug/l	86
10) 1,1-Dichloroethene	4.324	96	748	0.245	ug/l #	55
11) Methyl Iodide	4.577	142	1372	0.497	ug/l #	43
13) Acrolein	4.177	56	2283	4.213	ug/l	85
14) Acrylonitrile	5.712	53	6500	2.256	ug/l #	60
15) Acetone	4.524	58	203	0.304	ug/l	84
16) Carbon Disulfide	4.706	76	19922	1.840	ug/l #	90
18) Methylene Chloride	5.253	84	1015	0.221	ug/l #	65
19) trans-1,2-Dichloroethene	5.777	96	4172	0.964	ug/l #	86
23) tert-Butyl Alcohol	5.518	59	1276	1.143	ug/l #	100
26) Cyclohexane	8.241	56	2945	0.389	ug/l #	24
29) 1,1-Dichloropropene	8.359	75	1915	0.335	ug/l	58
30) 2-Butanone	7.453	43	1196	0.289	ug/l #	1
31) 2,2-Dichloropropane	7.483	77	1472	0.207	ug/l	98
34) Benzene	8.594	78	4395	0.235	ug/l #	1
36) 1,2-Dichloroethane	8.647	62	2162	0.348	ug/l #	78
37) Trichloroethene	9.330	130	1010	0.237	ug/l	84
38) Methylcyclohexane	9.582	83	6671	0.906	ug/l	94
40) Dibromomethane	9.694	93	2320	0.696	ug/l	77
43) Ethyl Acetate	7.559	43	2280	0.269	ug/l #	89
45) 1,4-Dioxane	9.677	88	2677	31.150	ug/l #	70
46) Methyl methacrylate	9.671	41	1756	0.278	ug/l	84
47) n-amyl Acetate	12.388	43	1721	0.308	ug/l	99
49) cis-1,3-Dichloropropene	10.300	75	3005	0.379	ug/l #	69
52) 1,3-Dichloropropane	11.147	76	2177	0.284	ug/l	94
53) Dibromochloromethane	11.341	129	1309	0.257	ug/l	80
54) 1,2-Dibromoethane	11.453	107	1635	0.350	ug/l	84
55) 2-Chloroethyl vinyl ether	10.147	63	3911	1.183	ug/l #	86
58) 4-Methyl-2-Pentanone	10.429	43	10052	1.294	ug/l #	91
59) 2-Hexanone	11.194	43	2659	0.494	ug/l #	70
61) Tetrachloroethene	11.082	164	2159	0.660	ug/l #	68
62) Toluene	10.606	91	6206	0.319	ug/l	96
64) Chlorobenzene	11.882	112	5215	0.436	ug/l #	85

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

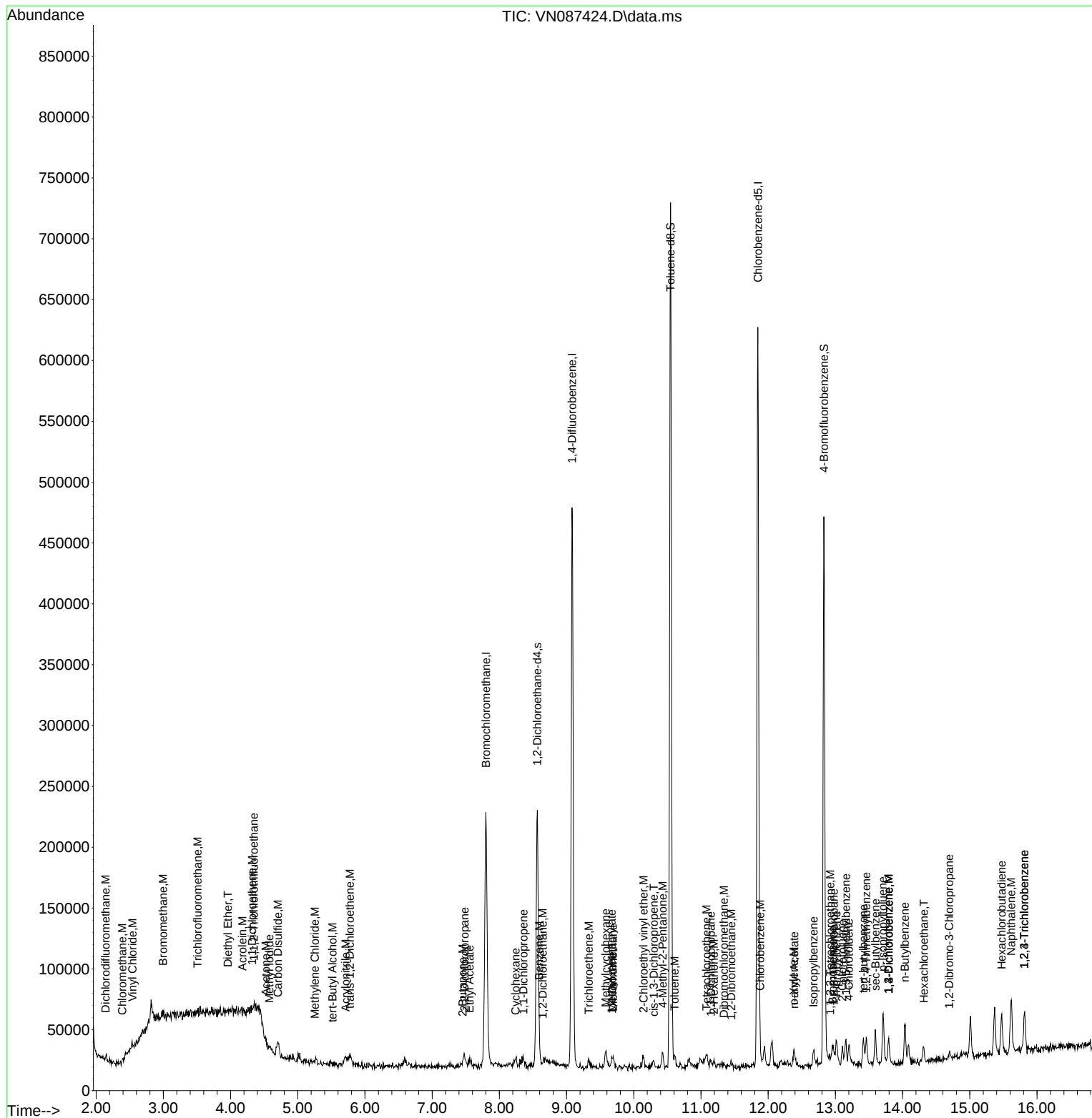
68) o-Xylene	12.382	106	1916	0.246	ug/l	75
70) Isopropylbenzene	12.676	105	9802	0.490	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.923	83	2104	0.308	ug/l #	70
72) 1,2,3-Trichloropropane	12.976	75	1811	0.292	ug/l	1
73) Bromobenzene	12.959	156	2364	0.508	ug/l	70
74) n-propylbenzene	13.018	91	16877	0.683	ug/l	97
75) 2-Chlorotoluene	13.106	91	6801	0.464	ug/l	80
76) 1,3,5-Trimethylbenzene	13.159	105	11548	0.696	ug/l	93
78) 4-Chlorotoluene	13.200	91	9024	0.599	ug/l	90
79) tert-butylbenzene	13.418	119	10838	0.756	ug/l	86
80) 1,2,4-Trimethylbenzene	13.459	105	10608	0.645	ug/l	97
81) sec-Butylbenzene	13.600	105	18770	0.882	ug/l	94
82) p-Isopropyltoluene	13.706	119	15352	0.889	ug/l	97
83) 1,3-Dichlorobenzene	13.794	146	8309	0.944	ug/l	93
84) 1,4-Dichlorobenzene	13.794	146	8309	0.903	ug/l	93
85) n-Butylbenzene	14.035	91	20398	1.173	ug/l	98
86) Hexachloroethane	14.317	117	3458	0.986	ug/l	88
87) 1,2-Dichlorobenzene	13.794	146	8309	0.971	ug/l	93
88) 1,2-Dibromo-3-Chloropr...	14.694	75	1714	1.088	ug/l #	13
89) 1,2,4-Trichlorobenzene	15.811	180	10094	1.934	ug/l	94
90) Hexachlorobutadiene	15.476	225	5104	2.569	ug/l	93
91) Naphthalene	15.617	128	44025	2.232	ug/l #	92
92) 1,2,3-Trichlorobenzene	15.811	180	10094	1.934	ug/l	94

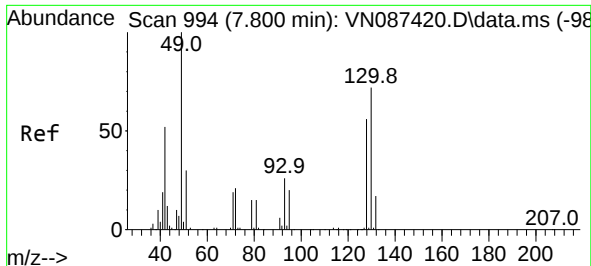
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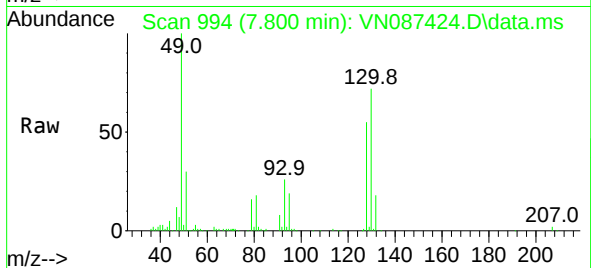
Quant Time: Jul 28 13:25:25 2025
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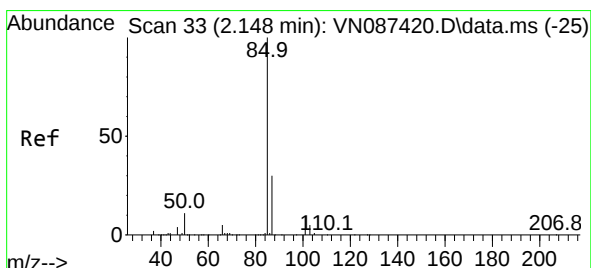
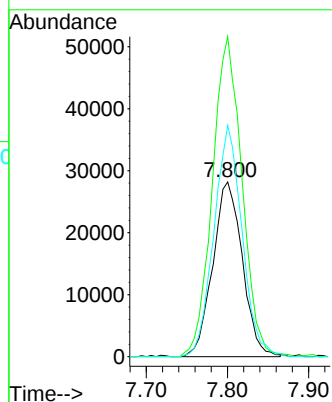
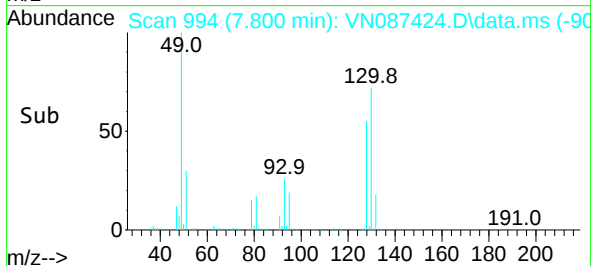


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

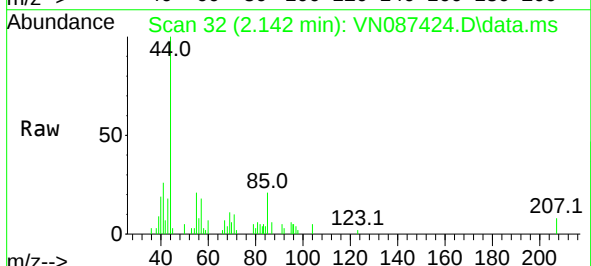
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MSVOA_N
ClientSampleId :



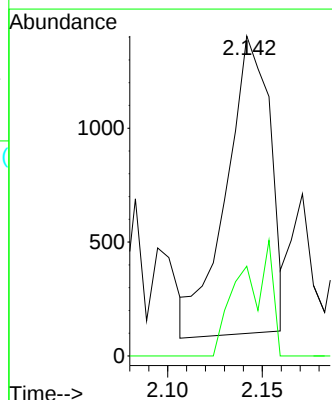
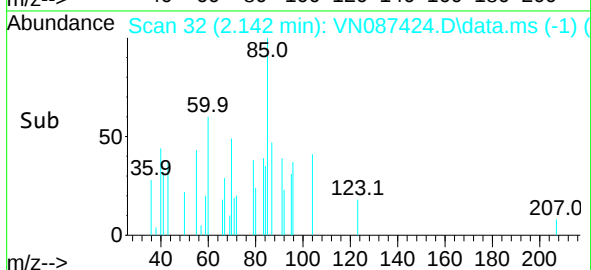
Tgt Ion:128 Resp: 71229
Ion Ratio Lower Upper
128 100
49 183.4 0.0 457.3
130 126.4 0.0 316.0

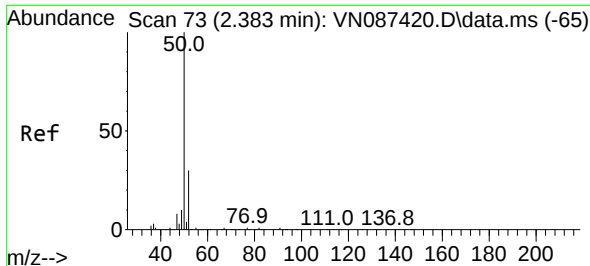


#2
Dichlorodifluoromethane
Concen: 0.509 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31



Tgt Ion: 85 Resp: 2114
Ion Ratio Lower Upper
85 100
87 34.4 15.0 45.1

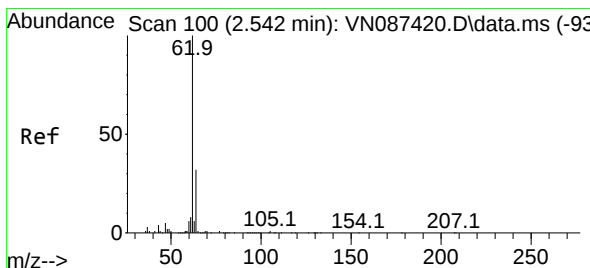
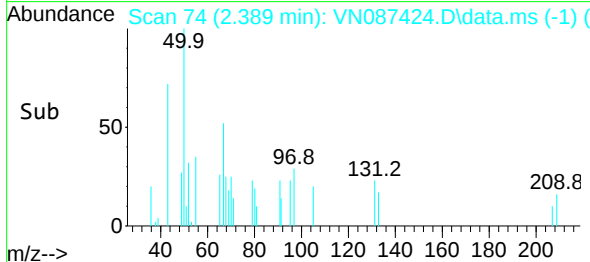
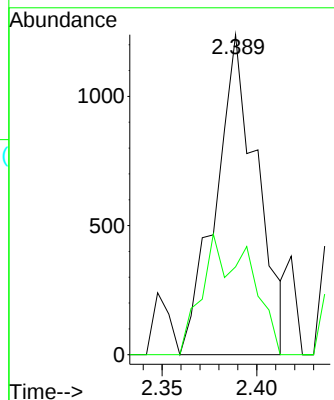
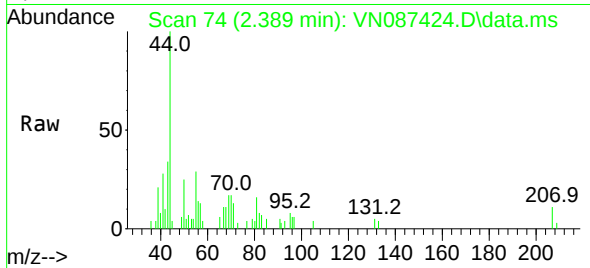




#3
Chloromethane
Concen: 0.430 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

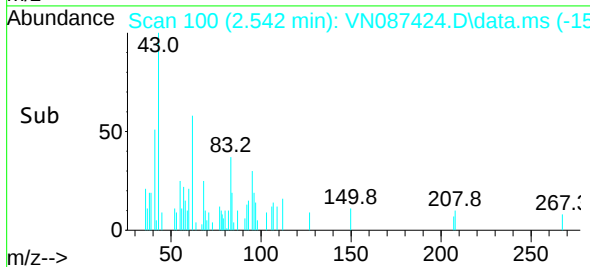
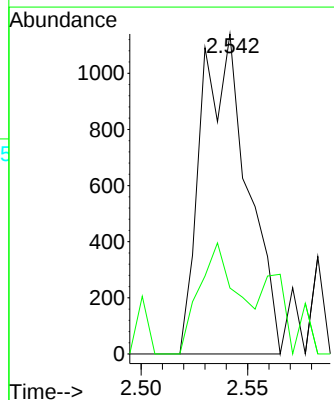
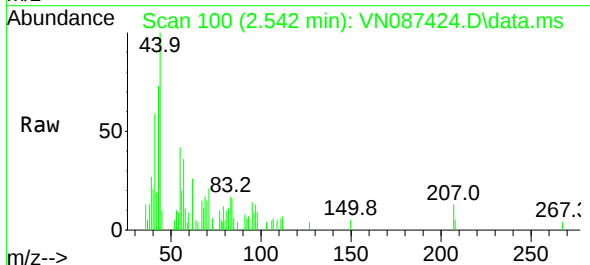
Instrument :
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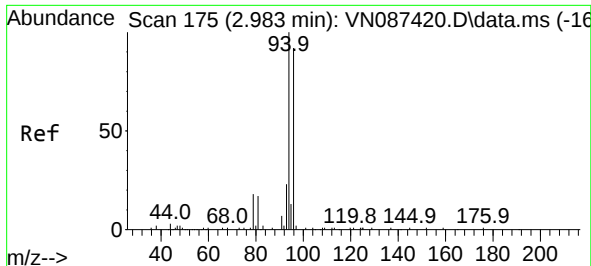
Tgt Ion: 50 Resp: 1898
Ion Ratio Lower Upper
50 100
52 27.4 24.3 36.5



#4
Vinyl Chloride
Concen: 0.388 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 62 Resp: 1732
Ion Ratio Lower Upper
62 100
64 20.6 25.6 38.4#

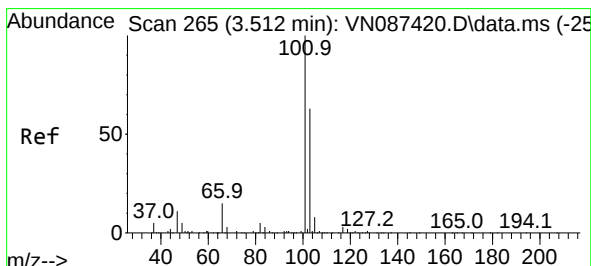
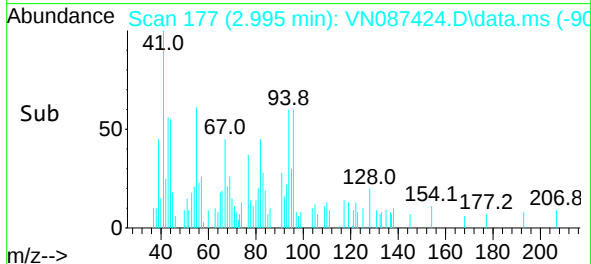
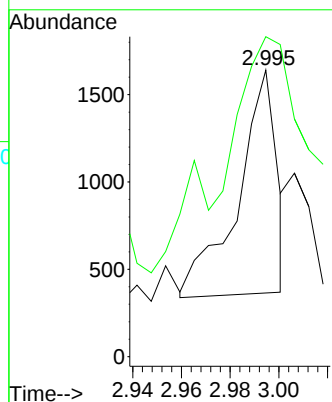
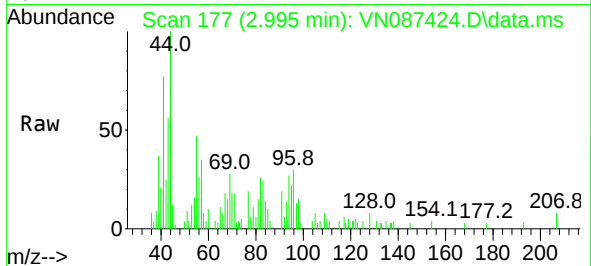




#5
Bromomethane
Concen: 0.656 ug/l
RT: 2.995 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

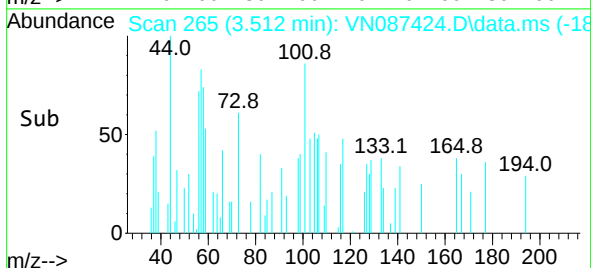
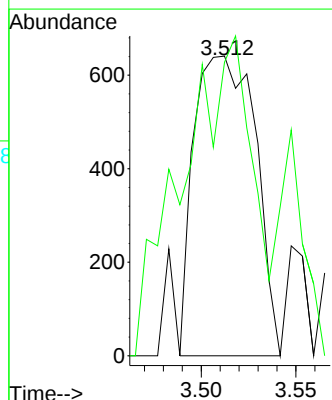
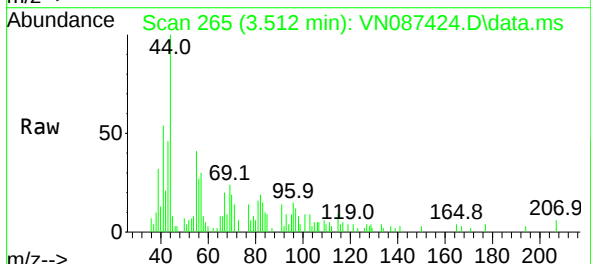
Instrument :
MSVOA_N
ClientSampleId :

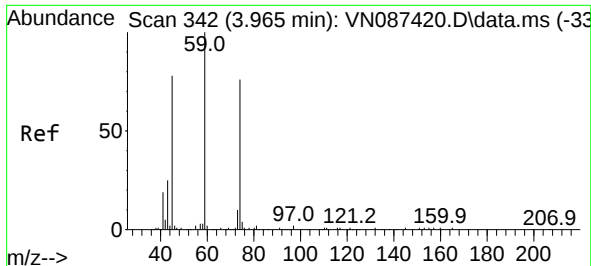
Tgt Ion: 94 Resp: 1428
Ion Ratio Lower Upper
94 100
96 79.9 73.2 109.8



#7
Trichlorofluoromethane
Concen: 0.258 ug/l
RT: 3.512 min Scan# 265
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

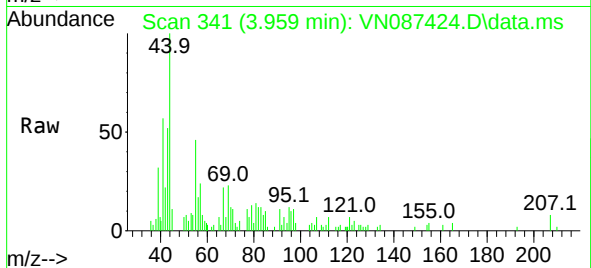
Tgt Ion:101 Resp: 1450
Ion Ratio Lower Upper
101 100
103 48.2 50.0 75.0#



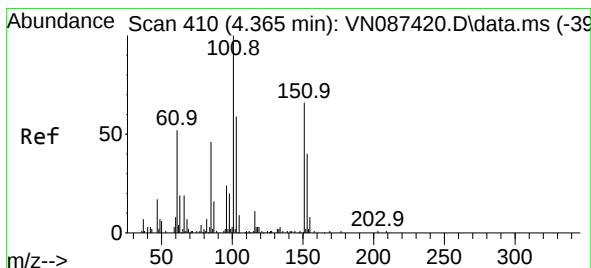
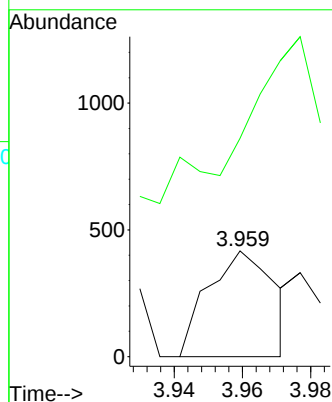
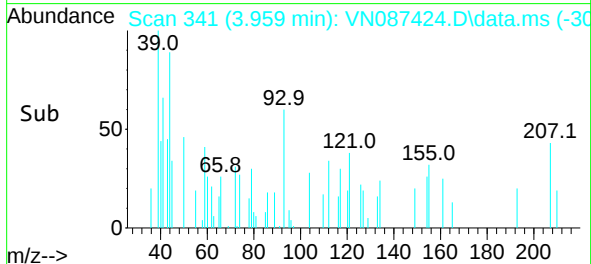


#8
Diethyl Ether
Concen: 0.240 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Instrument :
MSVOA_N
ClientSampleId :

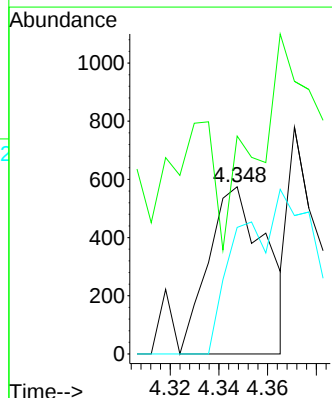
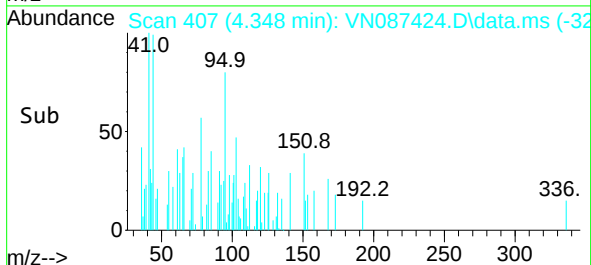
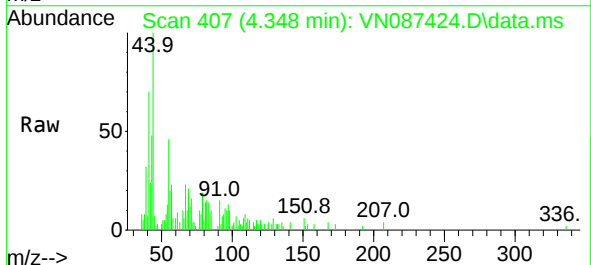


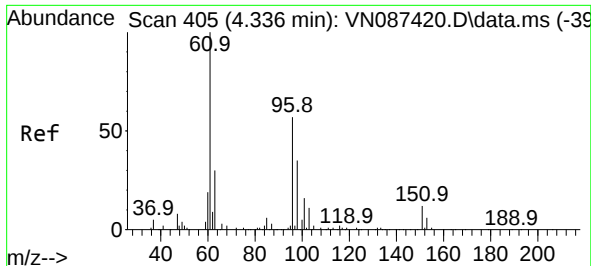
Tgt Ion: 74 Resp: 562
Ion Ratio Lower Upper
74 100
45 160.3 20.2 181.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.308 ug/l
RT: 4.348 min Scan# 407
Delta R.T. -0.018 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 101 Resp: 943
Ion Ratio Lower Upper
101 100
85 43.8 0.0 101.2
151 55.8 0.0 140.6

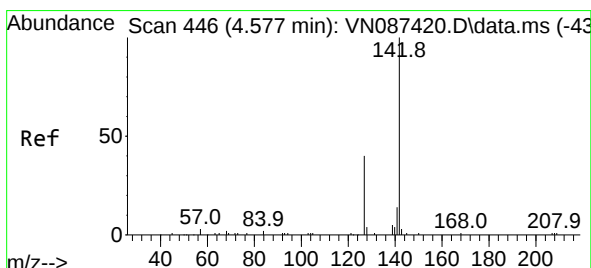
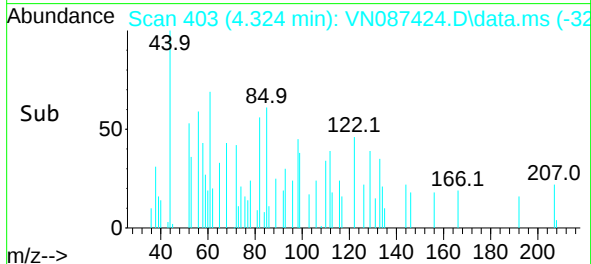
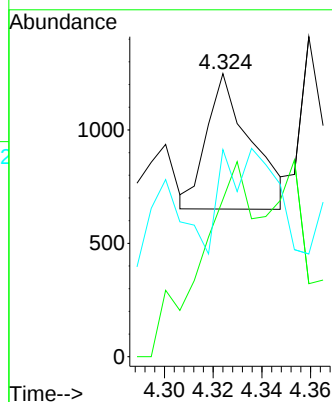
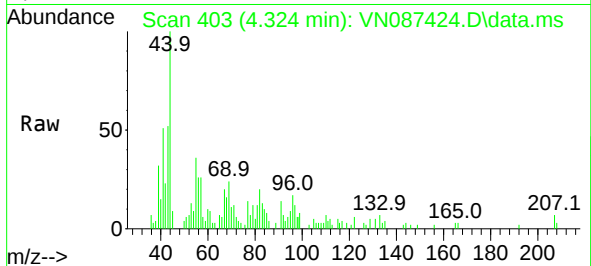




#10
1,1-Dichloroethene
Concen: 0.245 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.012 min
Lab File: VN087424.D
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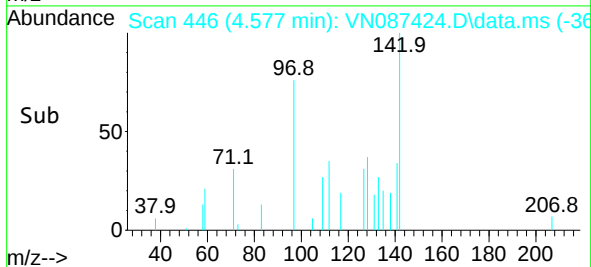
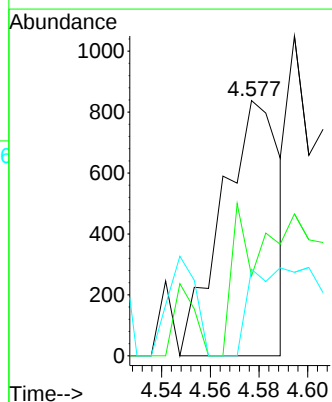
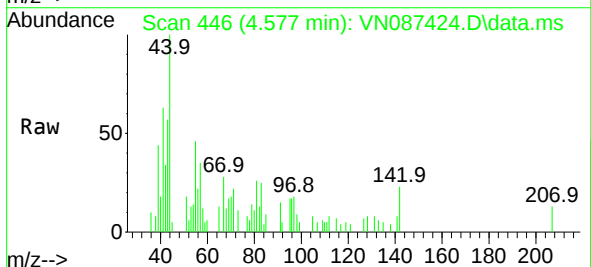
Instrument :
MSVOA_N
ClientSampleId :

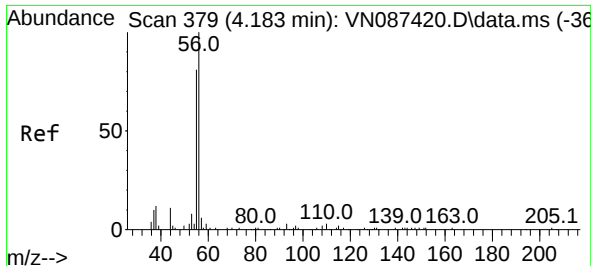
Tgt Ion: 96 Resp: 748
Ion Ratio Lower Upper
96 100
61 91.8 140.4 210.6#
98 59.6 49.6 74.4



#11
Methyl Iodide
Concen: 0.497 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.000 min
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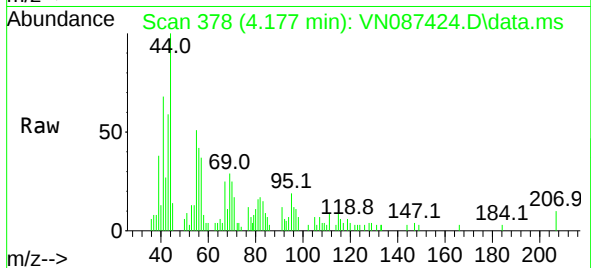
Tgt Ion:142 Resp: 1372
Ion Ratio Lower Upper
142 100
127 0.0 20.0 59.9#
141 0.0 6.8 20.4#



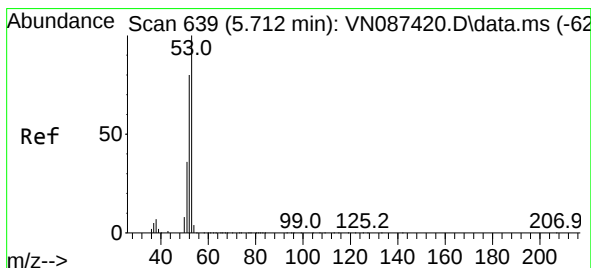
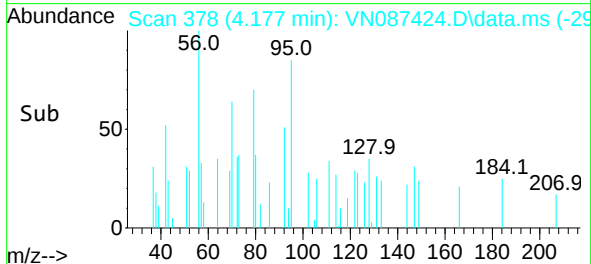
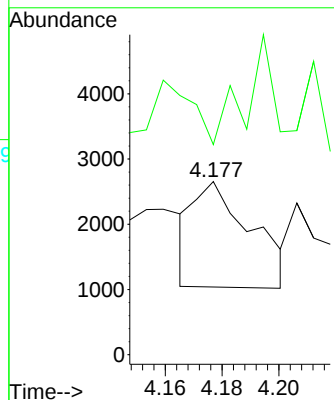


#13
Acrolein
Concen: 4.213 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

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ClientSampleId :

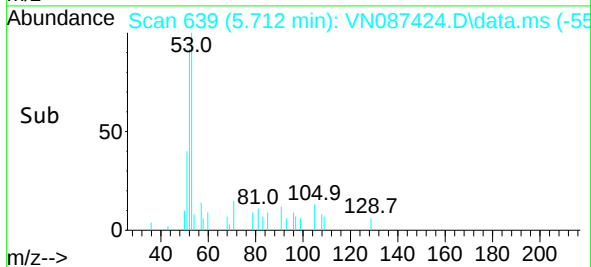
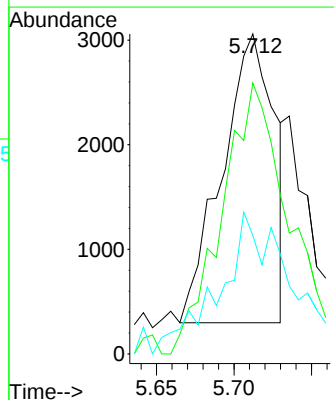
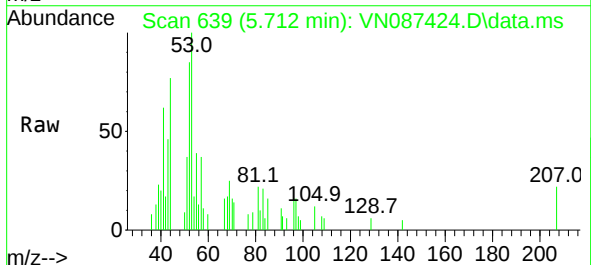


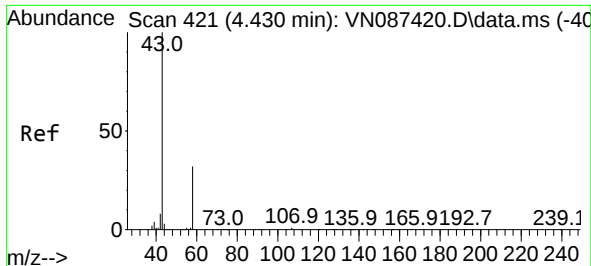
Tgt Ion: 56 Resp: 2283
Ion Ratio Lower Upper
56 100
55 60.8 58.9 88.3



#14
Acrylonitrile
Concen: 2.256 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 53 Resp: 6500
Ion Ratio Lower Upper
53 100
52 119.6 41.6 124.9
51 13.1 18.1 54.4#

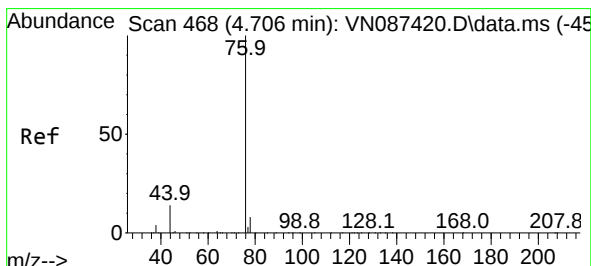
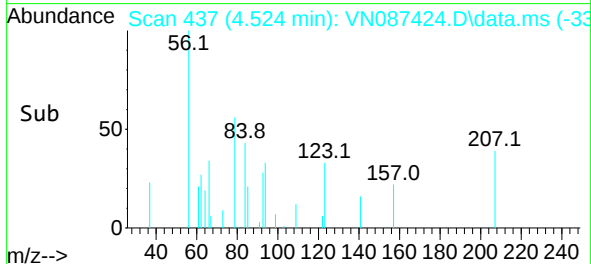
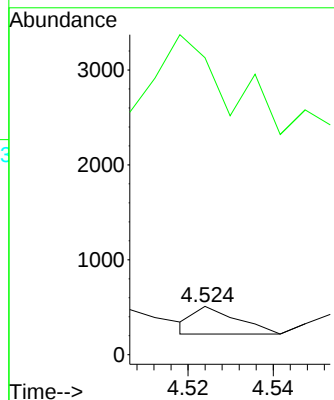
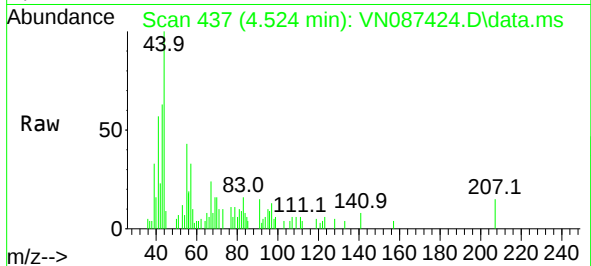




#15
Acetone
Concen: 0.304 ug/l
RT: 4.524 min Scan# 41
Delta R.T. 0.094 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

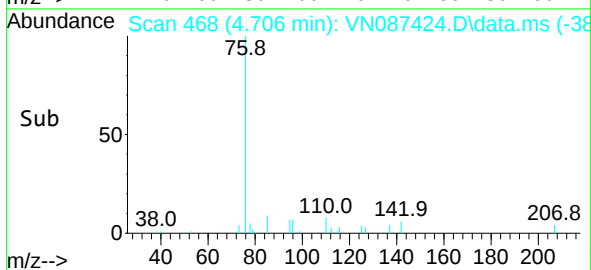
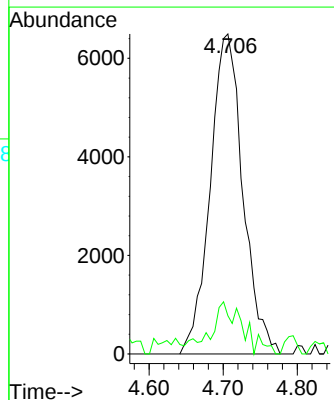
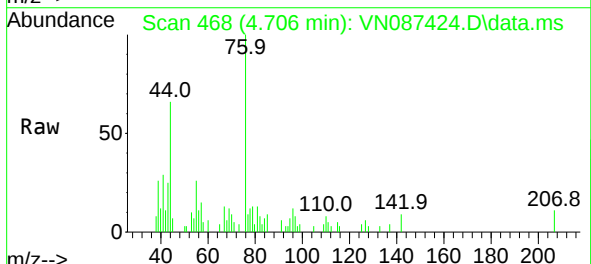
Instrument :
MSVOA_N
ClientSampleId :

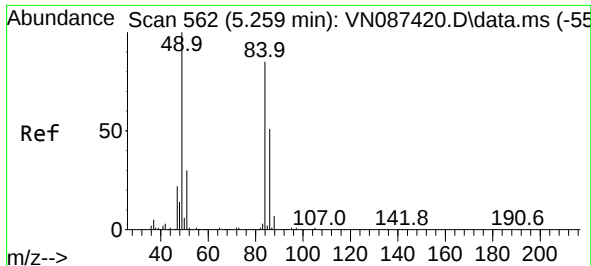
Tgt Ion: 58 Resp: 203
Ion Ratio Lower Upper
58 100
43 277.4 248.4 372.6



#16
Carbon Disulfide
Concen: 1.840 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

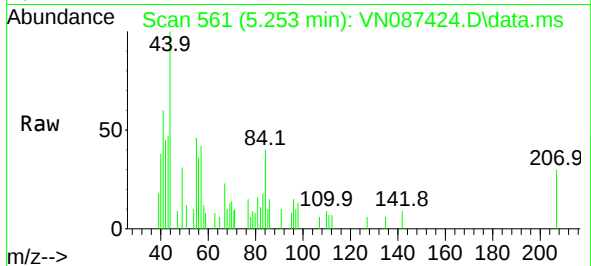
Tgt Ion: 76 Resp: 19922
Ion Ratio Lower Upper
76 100
78 11.9 6.6 10.0#



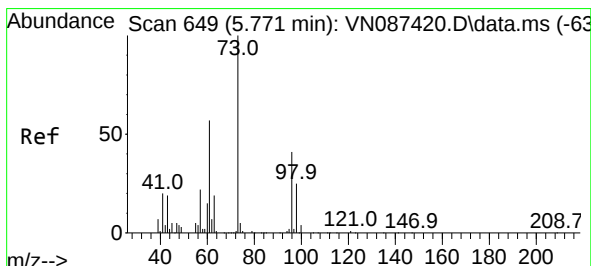
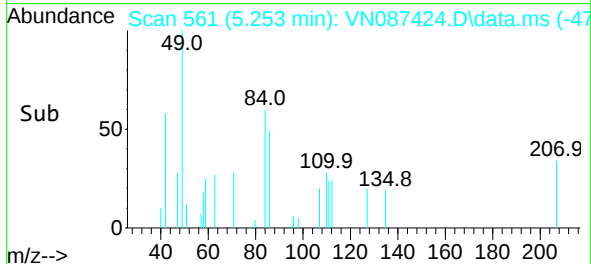
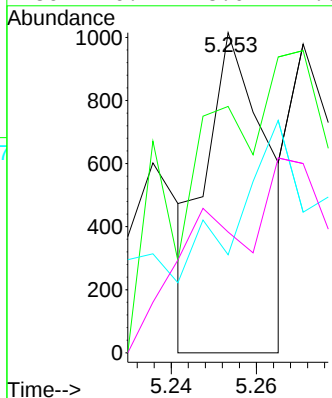


#18
Methylene Chloride
Concen: 0.221 ug/l
RT: 5.253 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Instrument :
MSVOA_N
ClientSampleId :

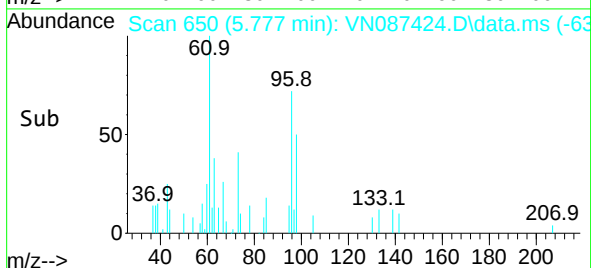
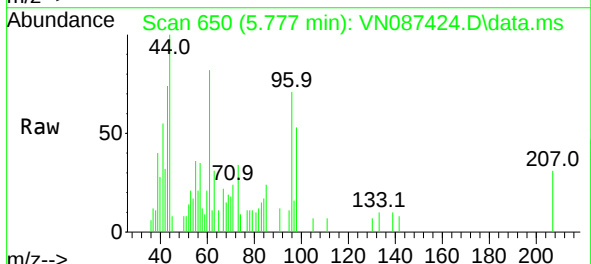
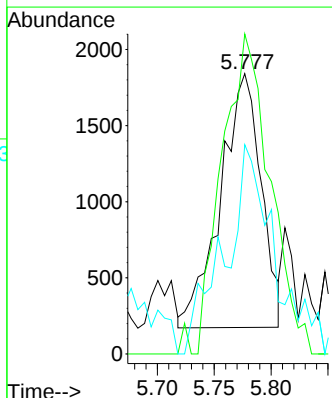


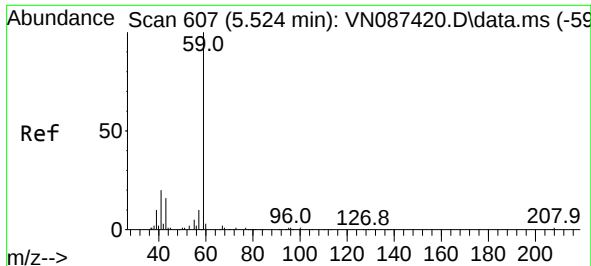
Tgt Ion: 84	Resp: 1015
Ion Ratio	Lower Upper
84 100	
49 90.2	93.5 140.3#
51 16.4	28.0 42.0#
86 16.4	48.0 72.0#



#19
trans-1,2-Dichloroethene
Concen: 0.964 ug/l
RT: 5.777 min Scan# 650
Delta R.T. 0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

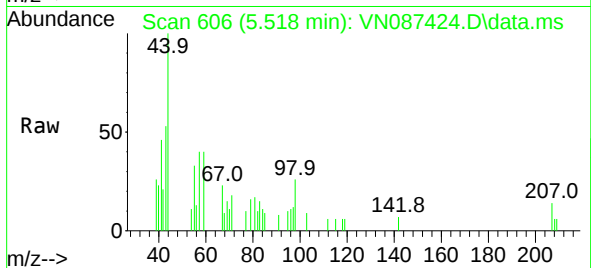
Tgt Ion: 96	Resp: 4172		
Ion Ratio	Lower	Upper	
96 100			
61 131.5	110.2	165.4	
98 86.0	47.9	71.9#	



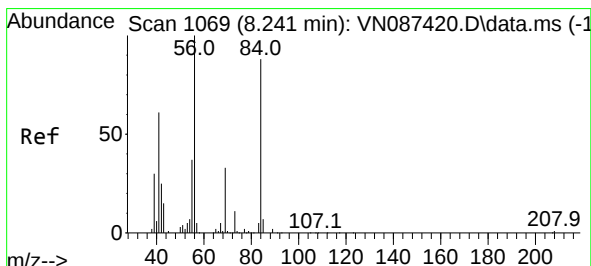
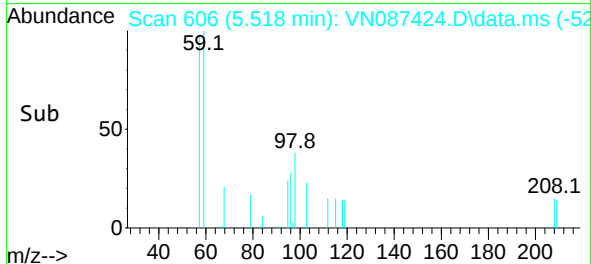
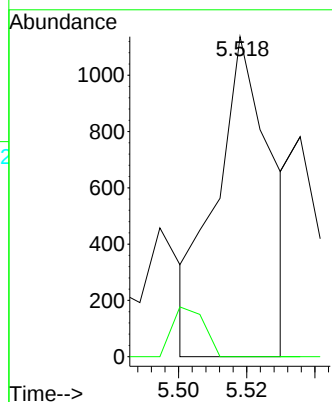


#23
tert-Butyl Alcohol
Concen: 1.143 ug/l
RT: 5.518 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Instrument :
MSVOA_N
ClientSampleId :

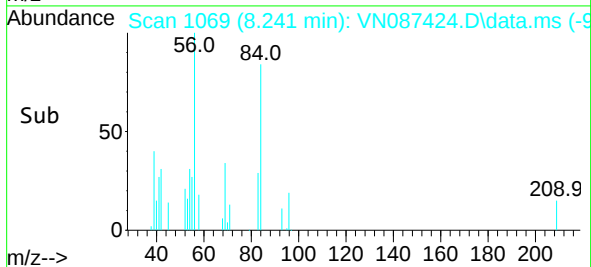
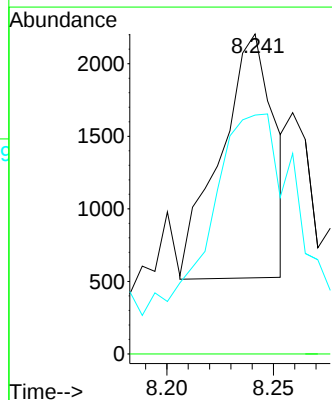
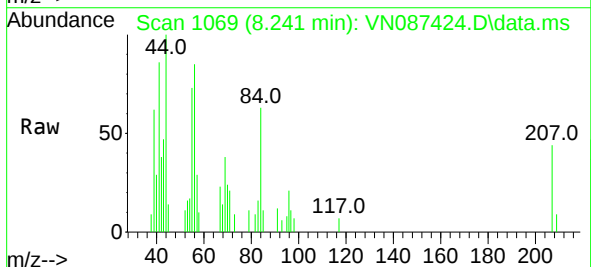


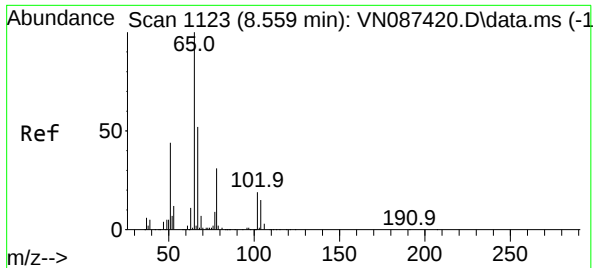
Tgt Ion: 59 Resp: 1276
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2#



#26
Cyclohexane
Concen: 0.389 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 56 Resp: 2945
Ion Ratio Lower Upper
56 100
89 0.0 4.7 7.1#
84 157.3 67.4 101.2#

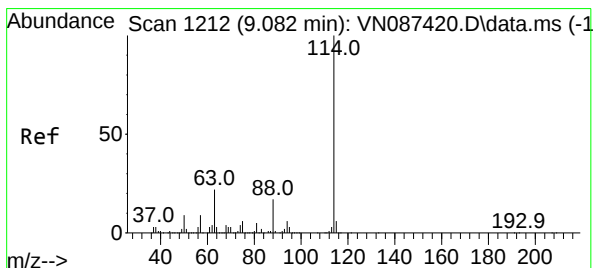
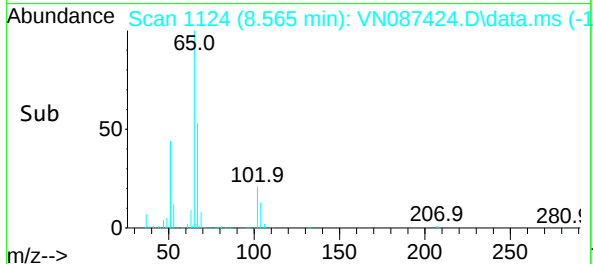
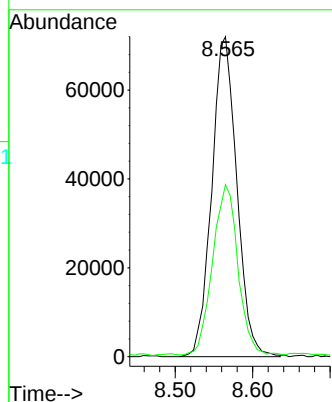
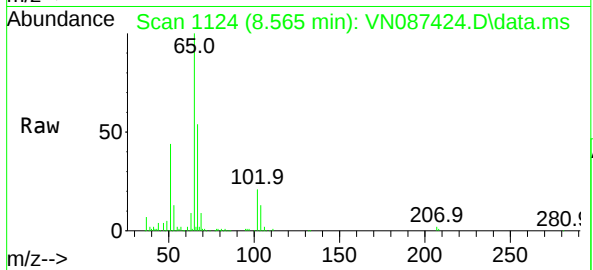




#27
1,2-Dichloroethane-d4
Concen: 29.735 ug/l
RT: 8.565 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

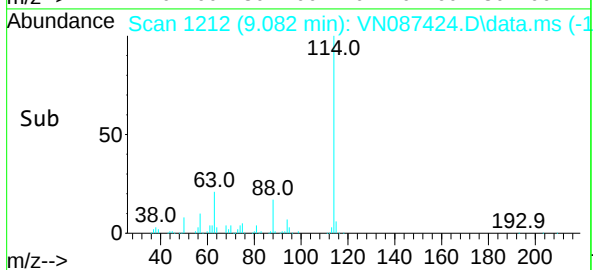
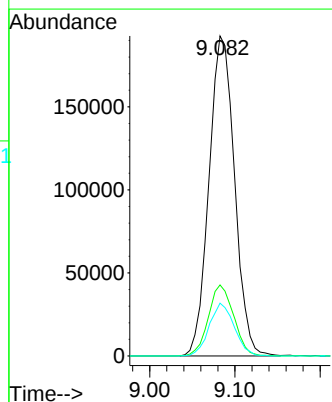
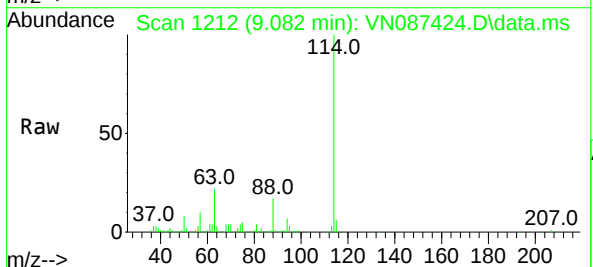
Instrument :
MSVOA_N
ClientSampleId :

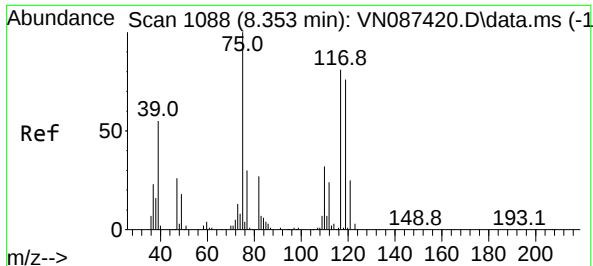
Tgt Ion: 65 Resp: 161962
Ion Ratio Lower Upper
65 100
67 53.3 42.3 63.5



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 114 Resp: 402111
Ion Ratio Lower Upper
114 100
63 22.0 17.8 26.6
88 16.2 13.0 19.4

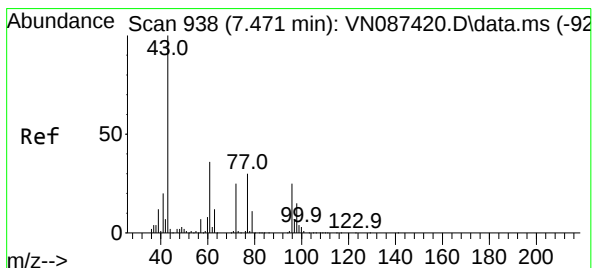
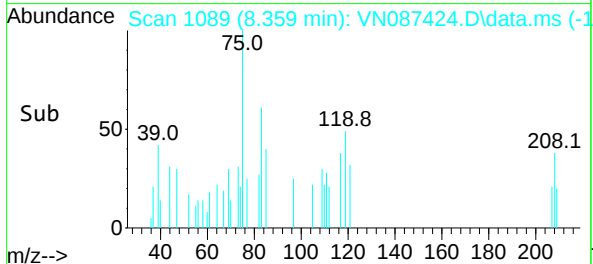
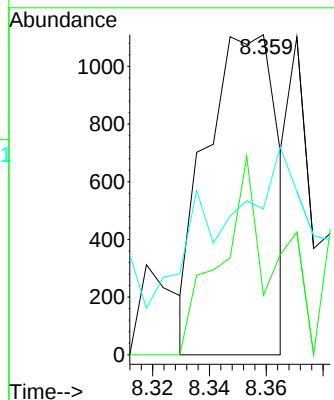
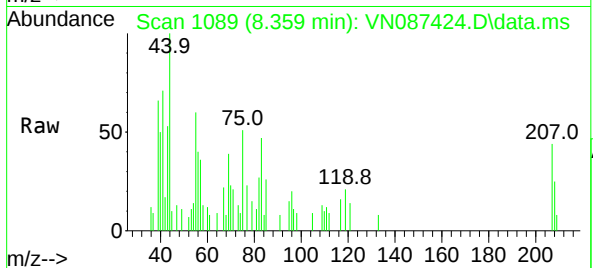




#29
1,1-Dichloropropene
Concen: 0.335 ug/l
RT: 8.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

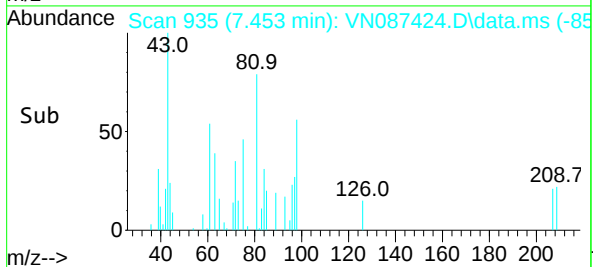
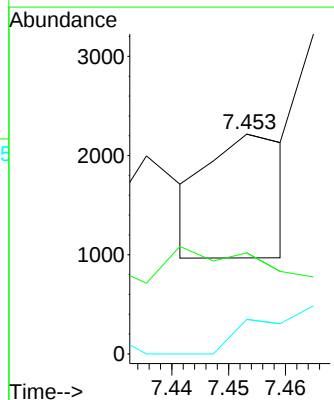
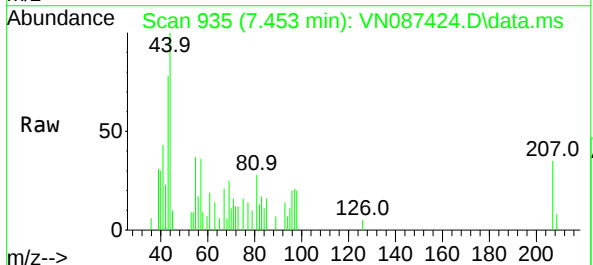
Instrument :
MSVOA_N
ClientSampleId :

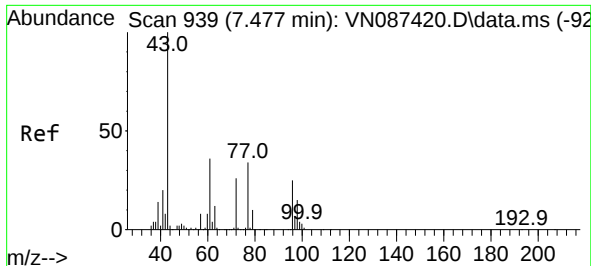
Tgt Ion: 75 Resp: 1915
Ion Ratio Lower Upper
75 100
110 11.3 0.0 69.6
77 6.7 0.0 60.2



#30
2-Butanone
Concen: 0.289 ug/l
RT: 7.453 min Scan# 935
Delta R.T. -0.018 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 43 Resp: 1196
Ion Ratio Lower Upper
43 100
57 58.7 6.0 9.0#
72 88.0 20.3 30.5#





#31

2,2-Dichloropropane

Concen: 0.207 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.006 min

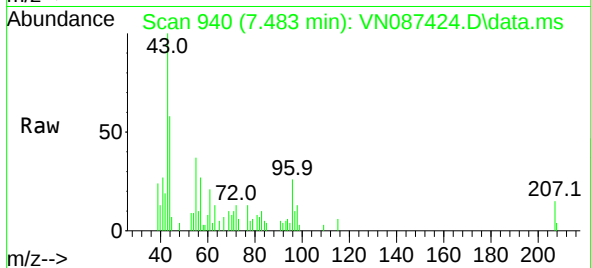
Lab File: VN087424.D

Acq: 28 Jul 2025 11:31

Instrument :

MSVOA_N

ClientSampleId :

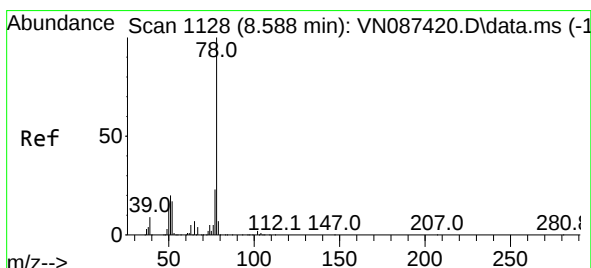
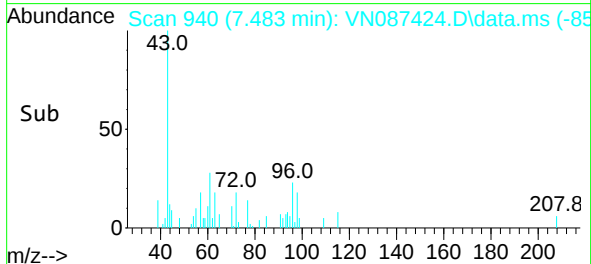
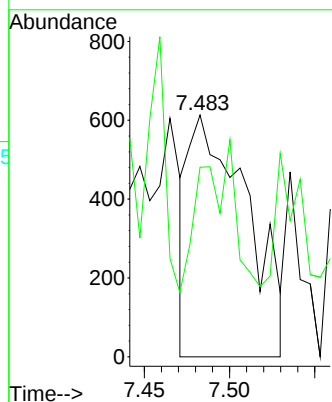


Tgt Ion: 77 Resp: 1472

Ion Ratio Lower Upper

77 100

97 23.0 19.1 28.7



#34

Benzene

Concen: 0.235 ug/l

RT: 8.594 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VN087424.D

Acq: 28 Jul 2025 11:31

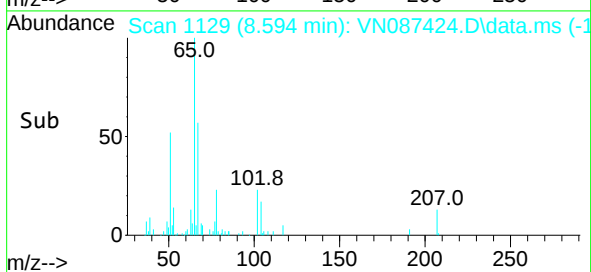
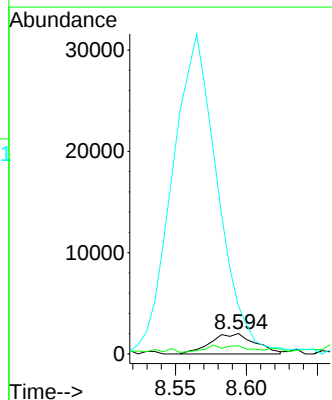
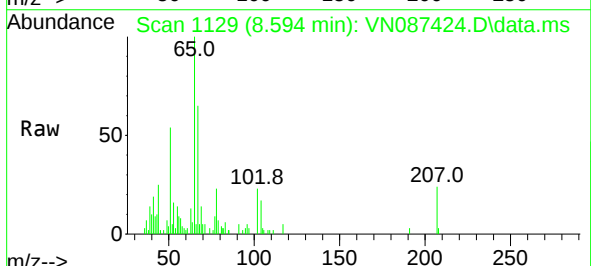
Tgt Ion: 78 Resp: 4395

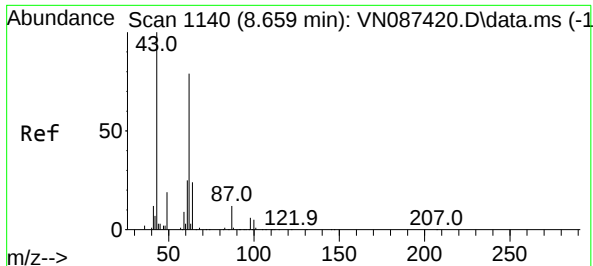
Ion Ratio Lower Upper

78 100

77 32.1 18.6 28.0#

51 204.6 16.3 24.5#





#36

1,2-Dichloroethane

Concen: 0.348 ug/l

RT: 8.647 min Scan# 1138

Delta R.T. -0.012 min

Lab File: VN087424.D

Acq: 28 Jul 2025 11:31

Instrument :

MSVOA_N

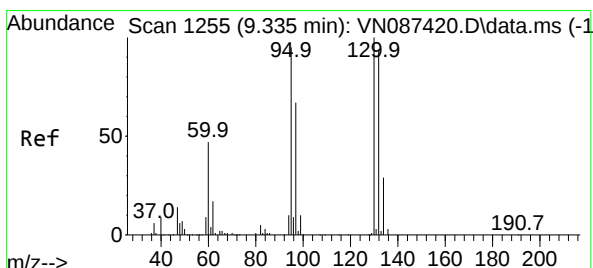
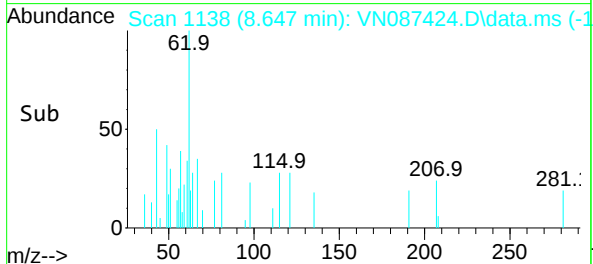
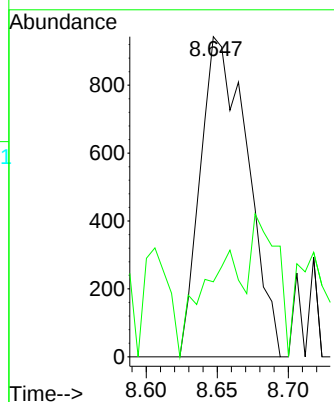
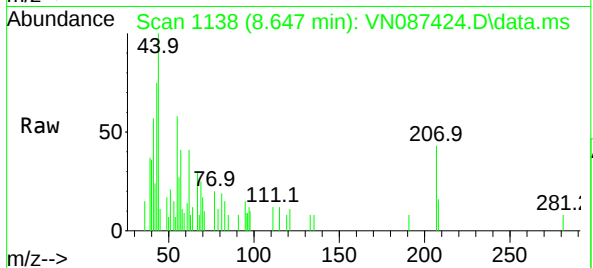
ClientSampleId :

Tgt Ion: 62 Resp: 2162

Ion Ratio Lower Upper

62 100

98 29.0 0.2 0.2#



#37

Trichloroethene

Concen: 0.237 ug/l

RT: 9.330 min Scan# 1254

Delta R.T. -0.006 min

Lab File: VN087424.D

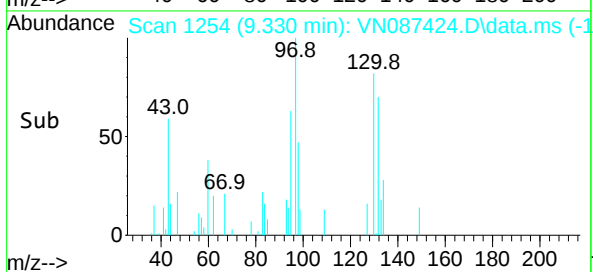
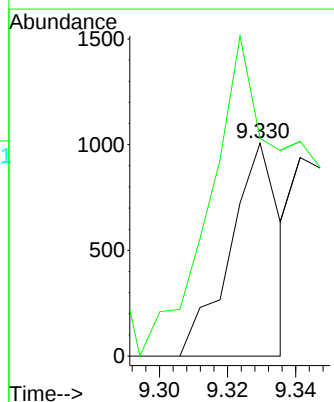
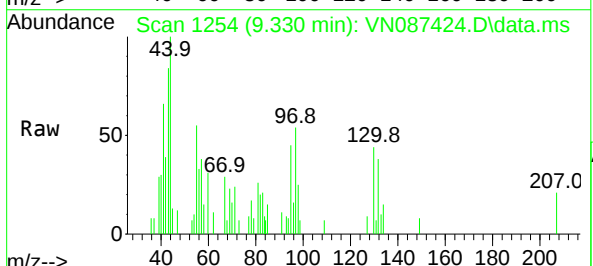
Acq: 28 Jul 2025 11:31

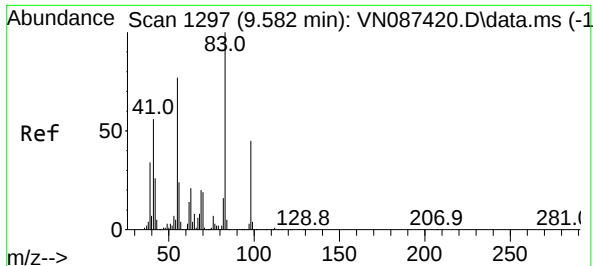
Tgt Ion:130 Resp: 1010

Ion Ratio Lower Upper

130 100

95 80.3 76.4 114.6





#38

Methylcyclohexane

Concen: 0.906 ug/l

RT: 9.582 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087424.D

Acq: 28 Jul 2025 11:31

Instrument :

MSVOA_N

ClientSampleId :

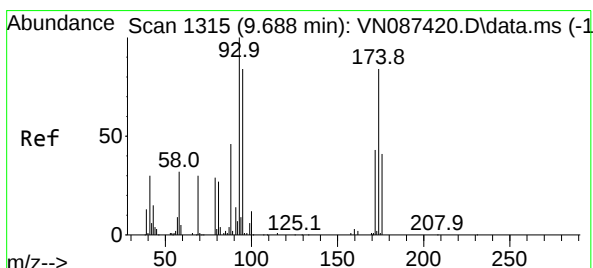
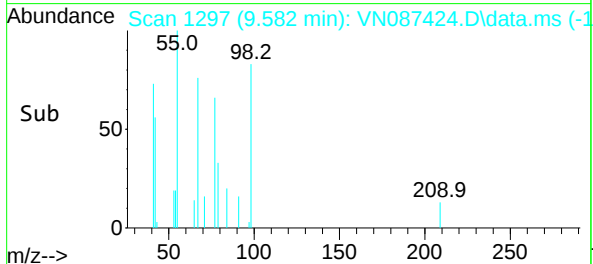
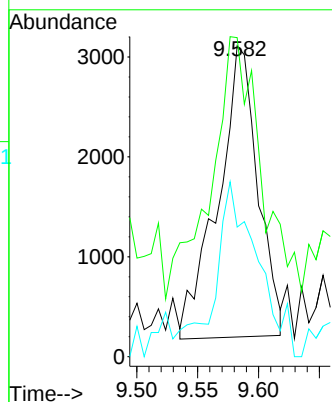
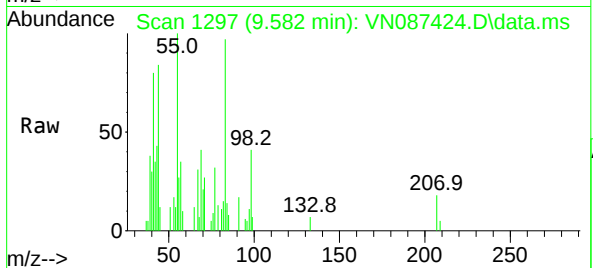
Tgt Ion: 83 Resp: 6671

Ion Ratio Lower Upper

83 100

55 70.4 39.4 118.1

98 47.4 23.6 70.8



#40

Dibromomethane

Concen: 0.696 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN087424.D

Acq: 28 Jul 2025 11:31

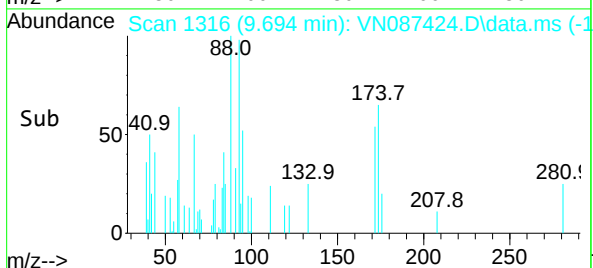
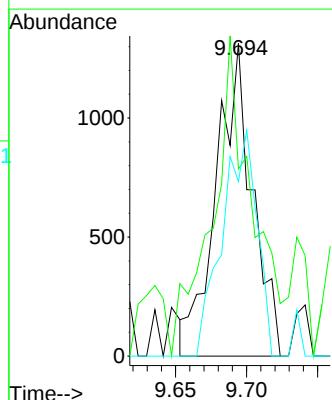
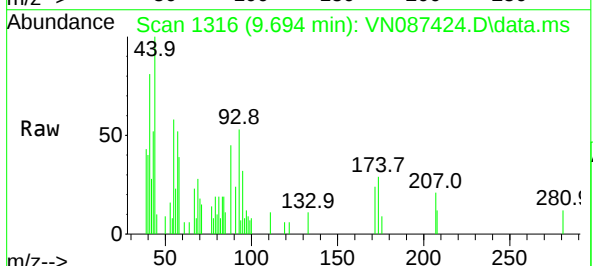
Tgt Ion: 93 Resp: 2320

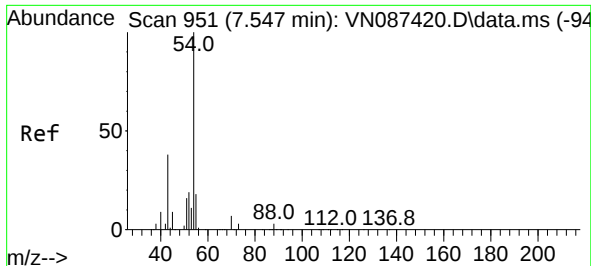
Ion Ratio Lower Upper

93 100

95 58.1 0.0 164.8

174 69.5 0.0 174.4

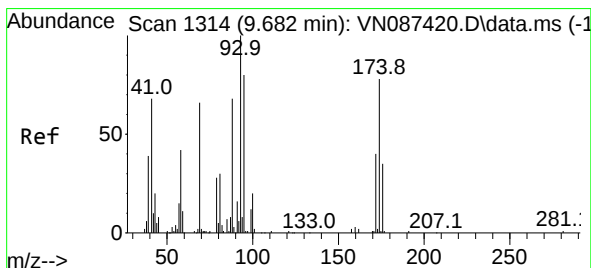
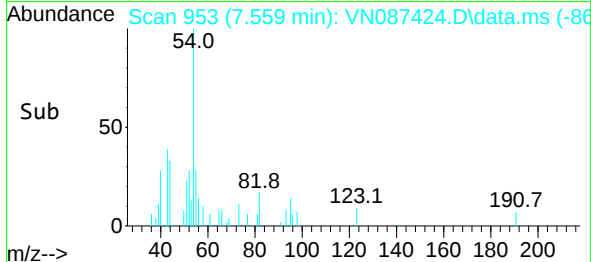
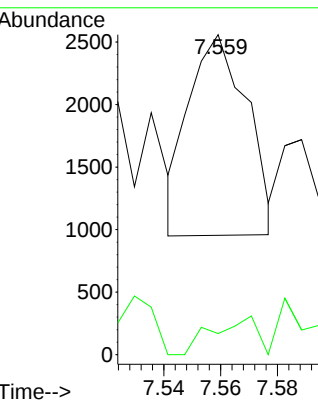
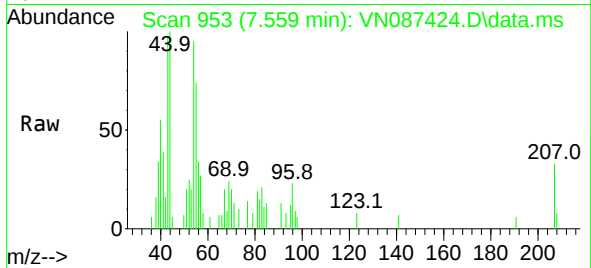




#43
Ethyl Acetate
Concen: 0.269 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

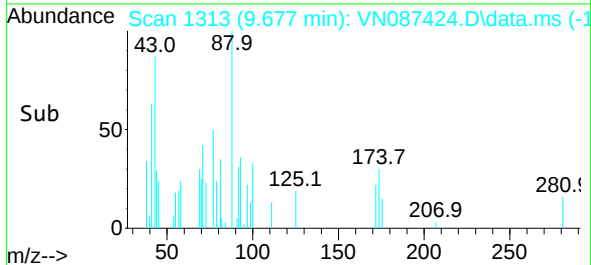
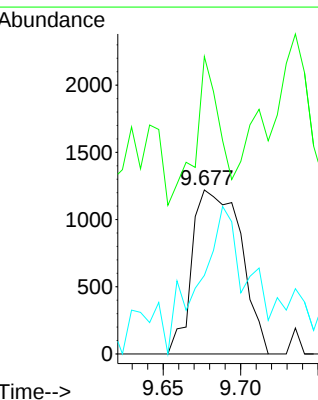
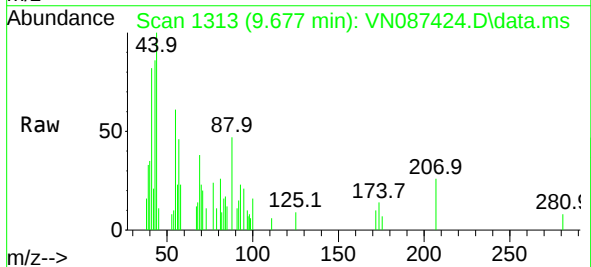
Instrument :
MSVOA_N
ClientSampleId :

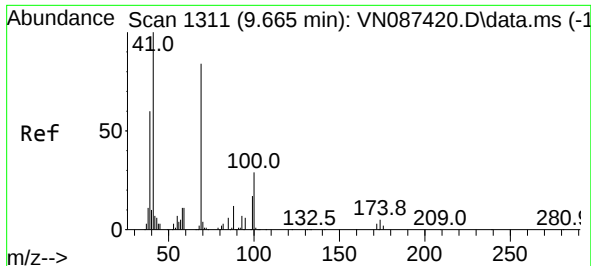
Tgt Ion: 43 Resp: 2280
Ion Ratio Lower Upper
43 100
45 6.0 1.6 2.4#



#45
1,4-Dioxane
Concen: 31.150 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 88 Resp: 2677
Ion Ratio Lower Upper
88 100
43 24.5 22.7 34.1
58 37.9 56.2 84.4#

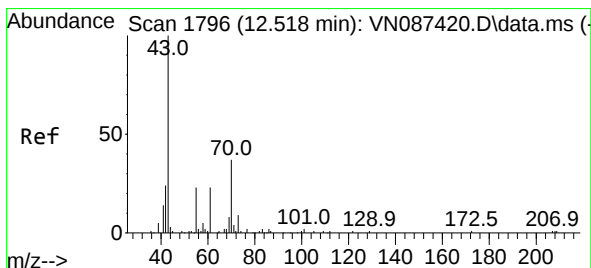
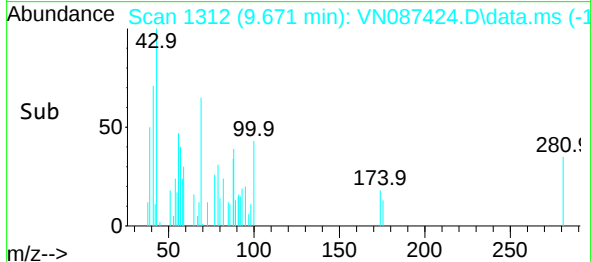
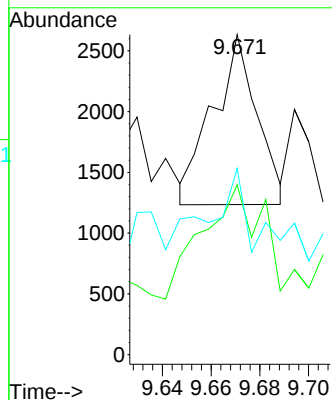
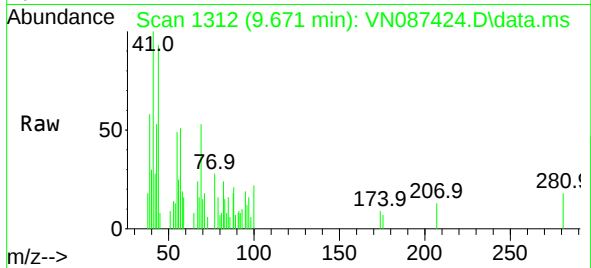




#46
Methyl methacrylate
Concen: 0.278 ug/l
RT: 9.671 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

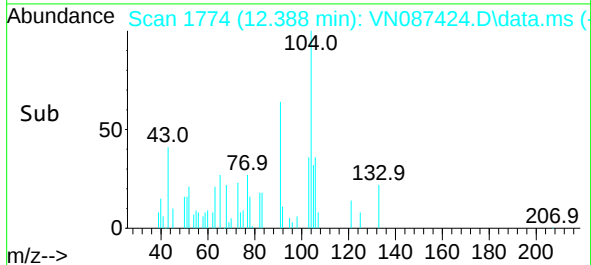
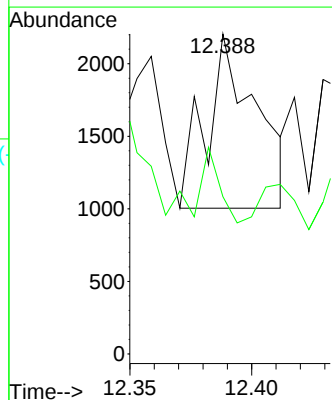
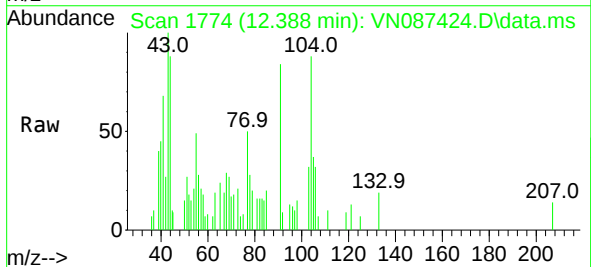
Instrument :
MSVOA_N
ClientSampleId :

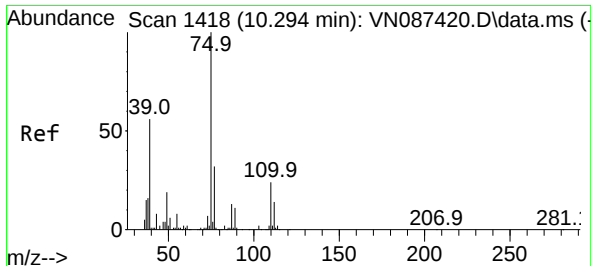
Tgt Ion: 41 Resp: 1756
Ion Ratio Lower Upper
41 100
69 71.0 41.9 125.7
39 48.2 31.1 93.5



#47
n-amy1 Acetate
Concen: 0.308 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.129 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 43 Resp: 1721
Ion Ratio Lower Upper
43 100
55 19.2 15.0 22.6





#49

cis-1,3-Dichloropropene

Concen: 0.379 ug/l

RT: 10.300 min Scan# 1418

Delta R.T. 0.006 min

Lab File: VN087424.D

Acq: 28 Jul 2025 11:31

Instrument :

MSVOA_N

ClientSampleId :

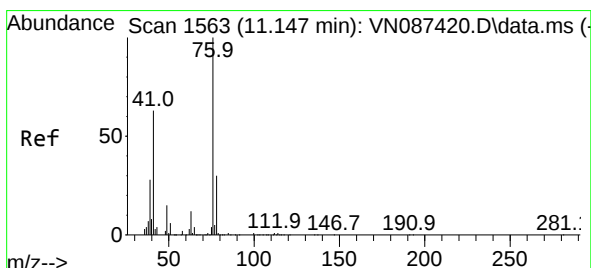
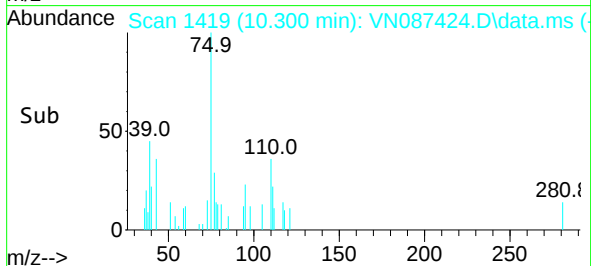
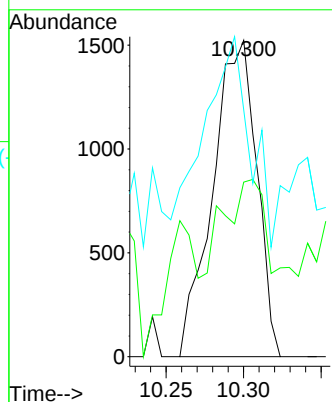
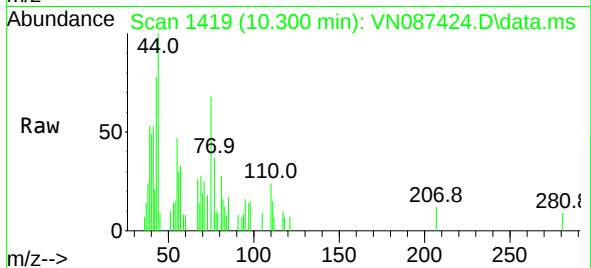
Tgt Ion: 75 Resp: 3005

Ion Ratio Lower Upper

75 100

77 27.1 26.1 39.1

39 24.6 45.0 67.4#



#52

1,3-Dichloropropane

Concen: 0.284 ug/l

RT: 11.147 min Scan# 1563

Delta R.T. 0.000 min

Lab File: VN087424.D

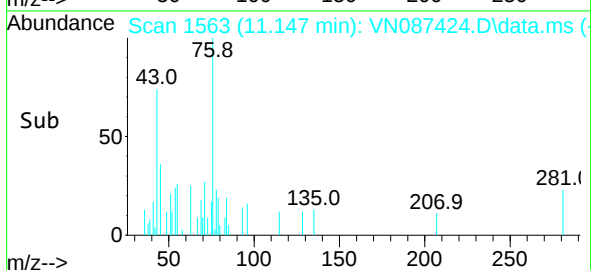
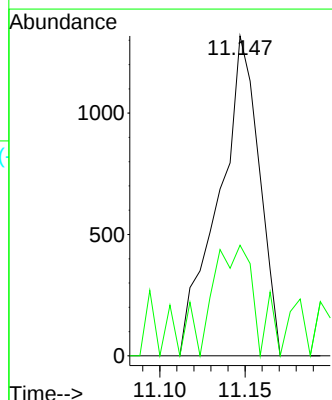
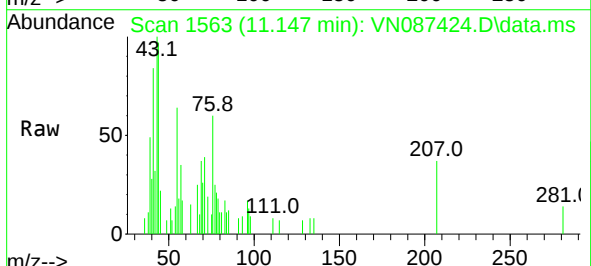
Acq: 28 Jul 2025 11:31

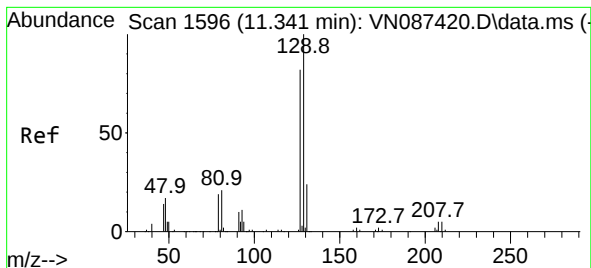
Tgt Ion: 76 Resp: 2177

Ion Ratio Lower Upper

76 100

78 30.4 0.0 67.4

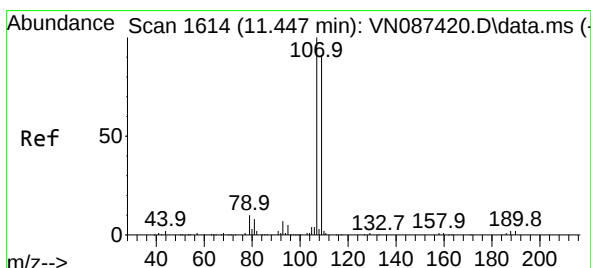
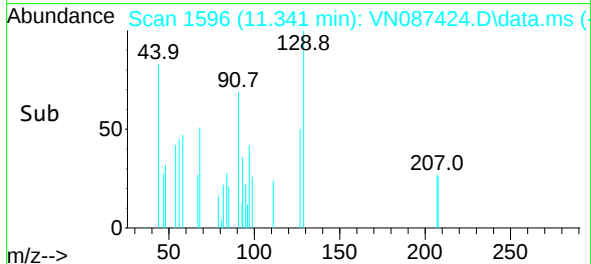
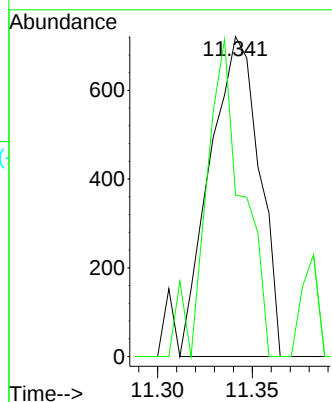
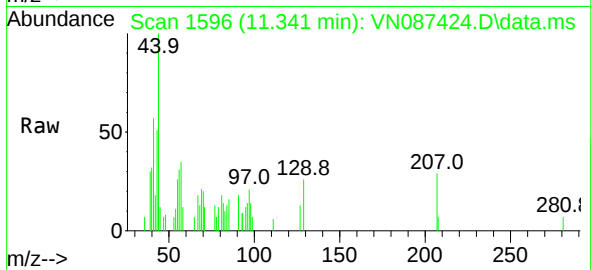




#53
Dibromochloromethane
Concen: 0.257 ug/l
RT: 11.341 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

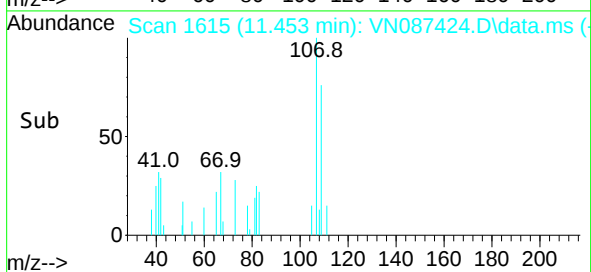
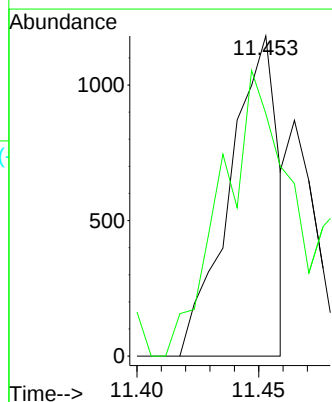
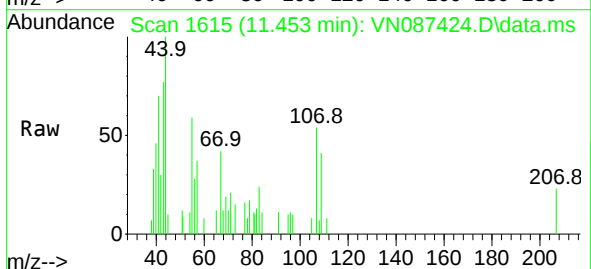
Instrument :
MSVOA_N
ClientSampleId :

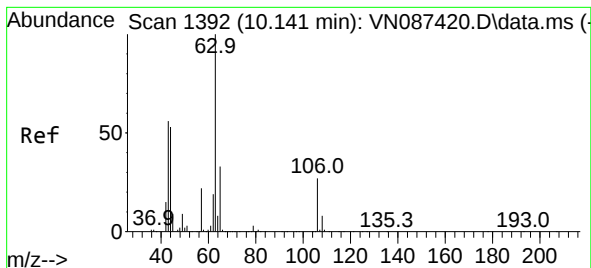
Tgt Ion:129 Resp: 1309
Ion Ratio Lower Upper
129 100
127 61.3 39.5 118.3



#54
1,2-Dibromoethane
Concen: 0.350 ug/l
RT: 11.453 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

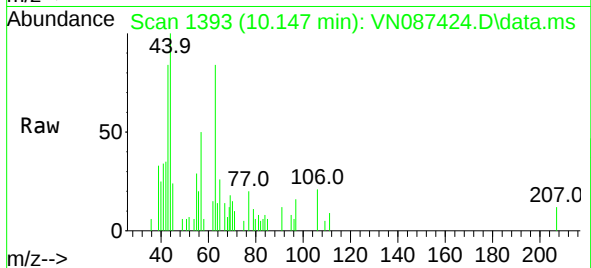
Tgt Ion:107 Resp: 1635
Ion Ratio Lower Upper
107 100
109 77.5 73.9 110.9



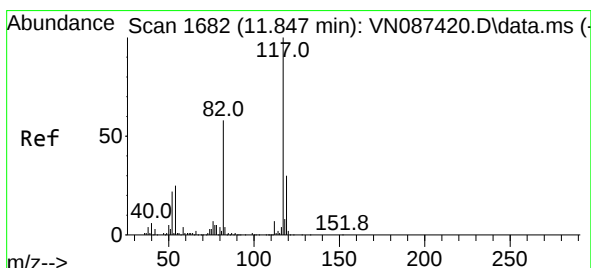
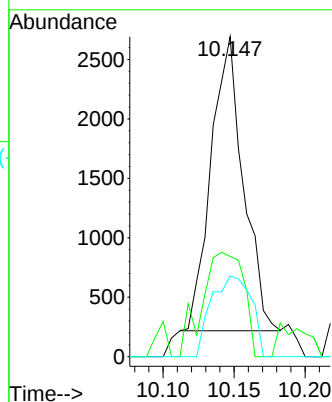
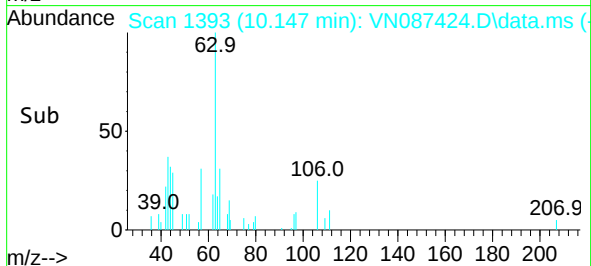


#55
2-Chloroethyl vinyl ether
Concen: 1.183 ug/l
RT: 10.147 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Instrument :
MSVOA_N
ClientSampleId :

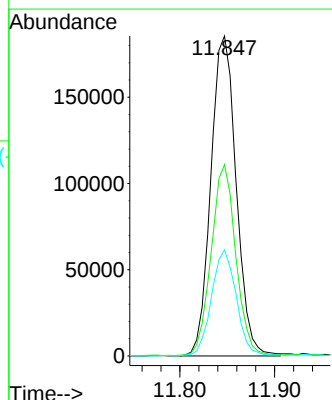
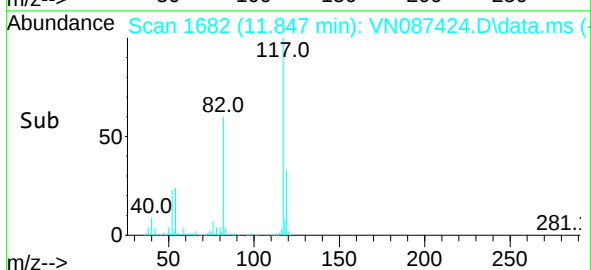
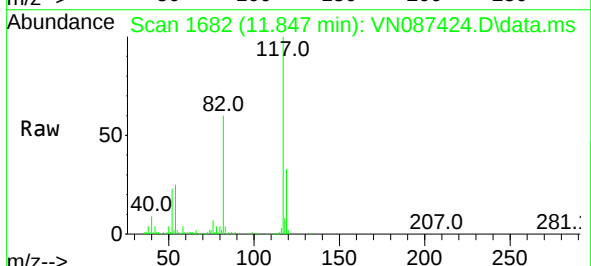


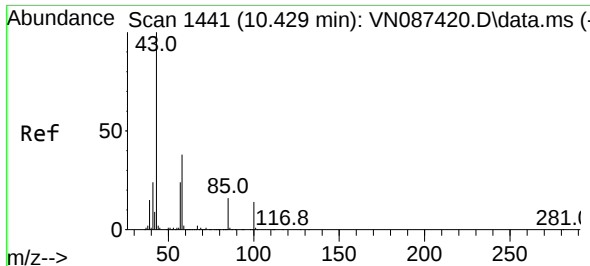
Tgt Ion: 63 Resp: 3911
Ion Ratio Lower Upper
63 100
65 40.2 26.2 39.2#
106 33.9 21.3 31.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 117 Resp: 344799
Ion Ratio Lower Upper
117 100
82 57.7 46.2 69.4
119 32.5 25.7 38.5

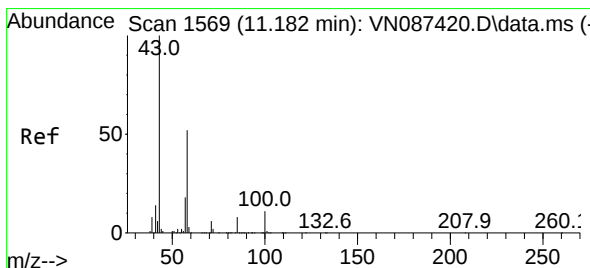
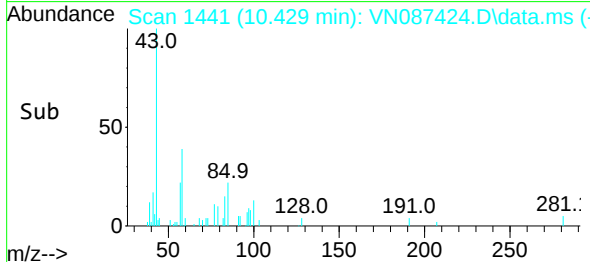
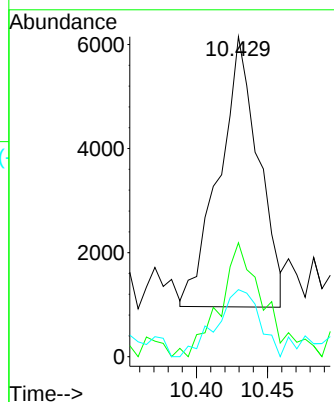
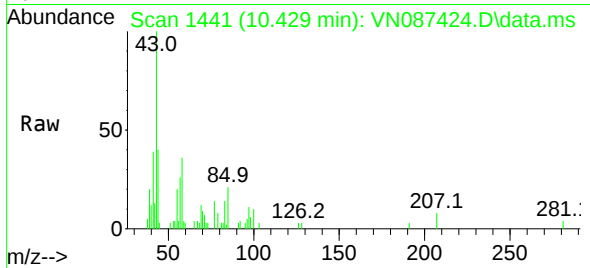




#58
4-Methyl-2-Pentanone
Concen: 1.294 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

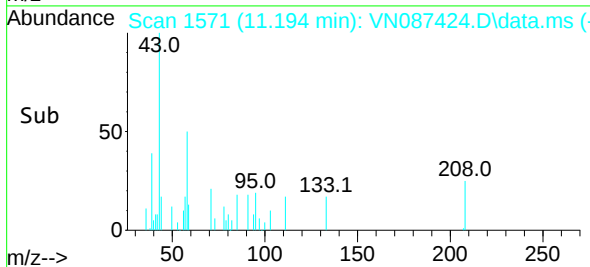
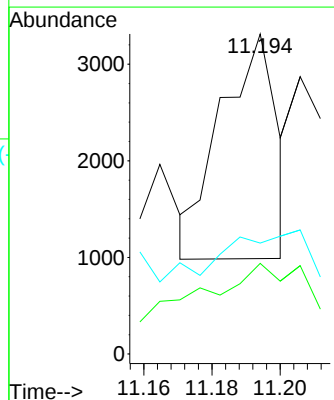
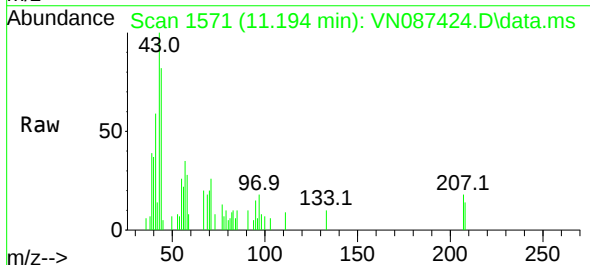
Instrument :
MSVOA_N
ClientSampleId :

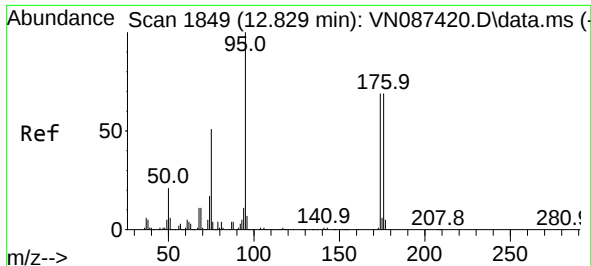
Tgt Ion: 43 Resp: 10052
Ion Ratio Lower Upper
43 100
58 41.9 29.9 44.9
85 21.7 12.8 19.2#



#59
2-Hexanone
Concen: 0.494 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 43 Resp: 2659
Ion Ratio Lower Upper
43 100
58 24.5 42.2 63.2#
57 18.5 14.3 21.5

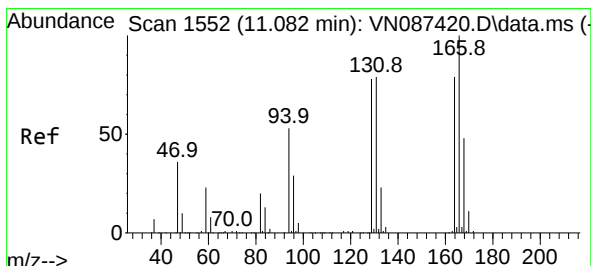
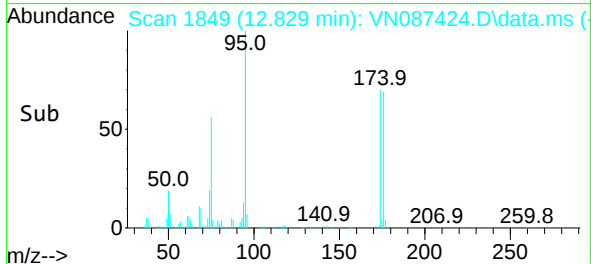
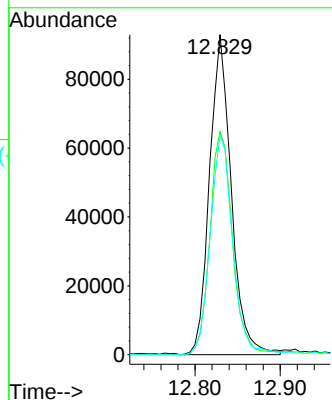
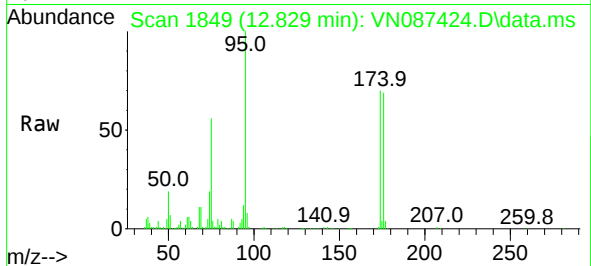




#60
4-Bromofluorobenzene
Concen: 29.112 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

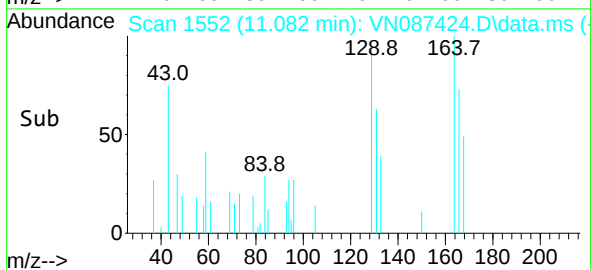
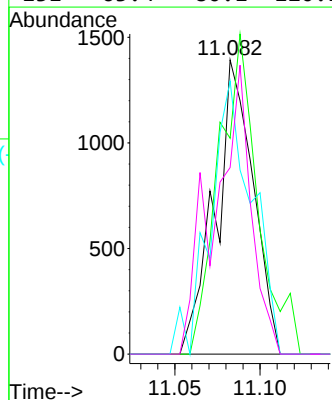
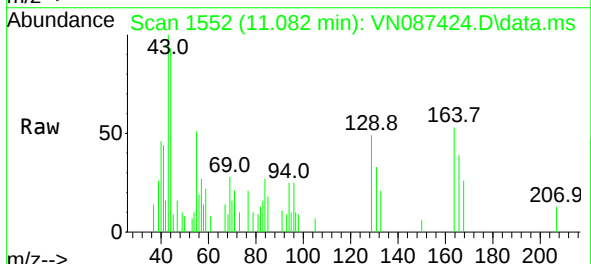
Instrument :
MSVOA_N
ClientSampleId :

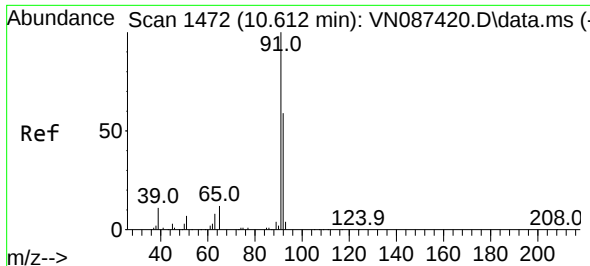
Tgt Ion: 95 Resp: 164833
Ion Ratio Lower Upper
95 100
174 71.9 57.8 86.8
176 70.6 54.9 82.3



#61
Tetrachloroethene
Concen: 0.660 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion:164 Resp: 2159
Ion Ratio Lower Upper
164 100
166 73.4 101.8 152.8#
129 92.8 79.8 119.8
131 63.4 80.1 120.1#

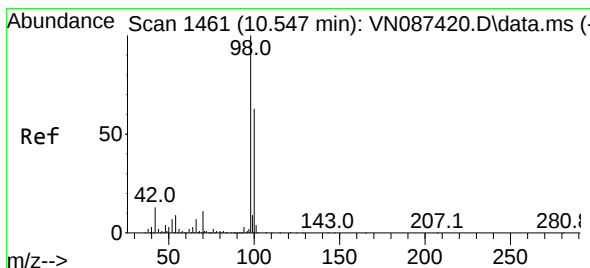
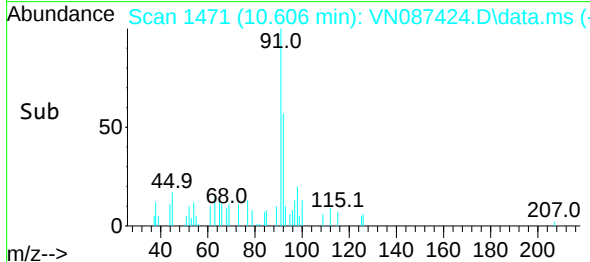
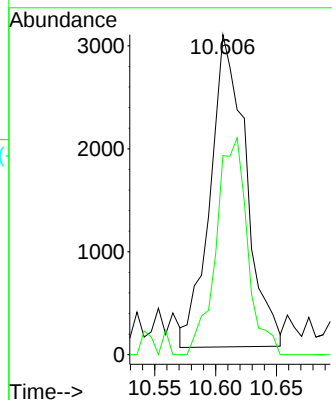
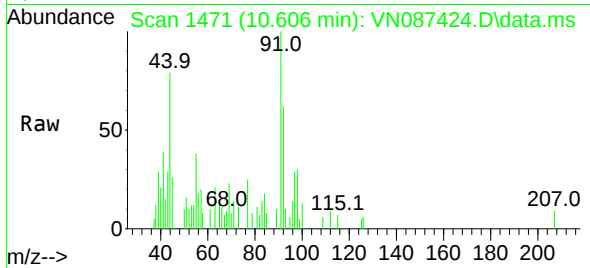




#62
Toluene
Concen: 0.319 ug/l
RT: 10.606 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

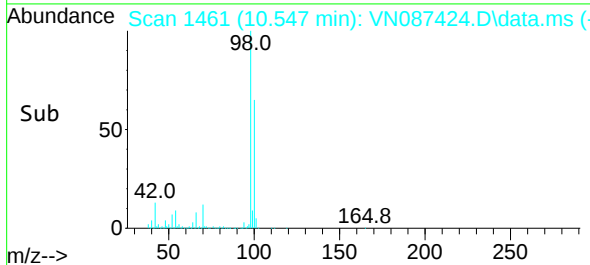
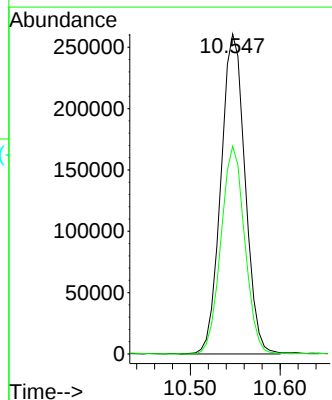
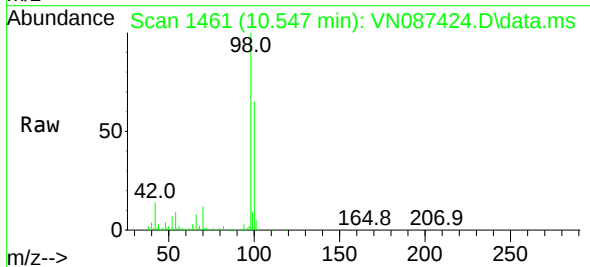
Instrument :
MSVOA_N
ClientSampleId :

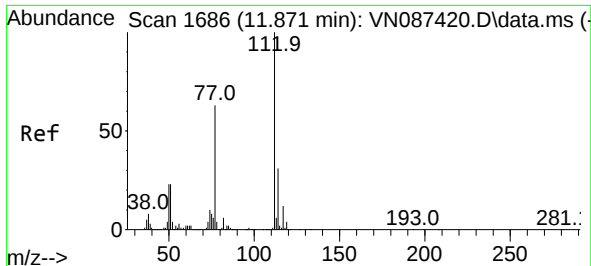
Tgt Ion: 91 Resp: 6206
Ion Ratio Lower Upper
91 100
92 59.7 45.6 68.4



#63
Toluene-d8
Concen: 30.780 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 98 Resp: 487396
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1

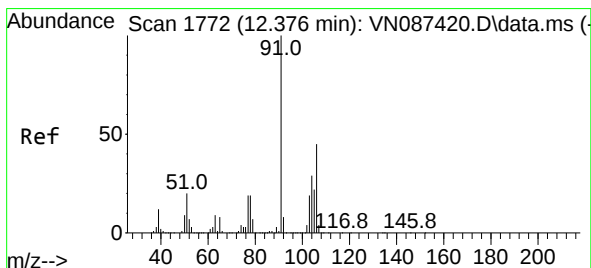
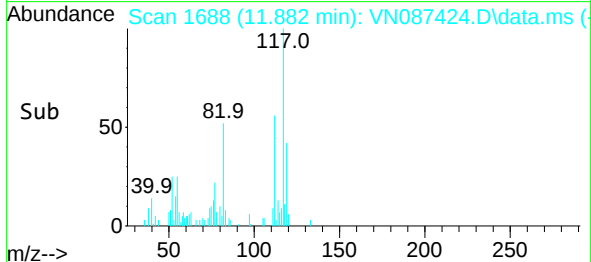
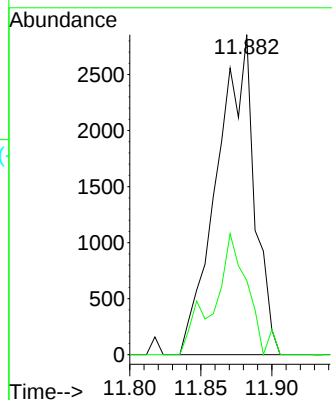
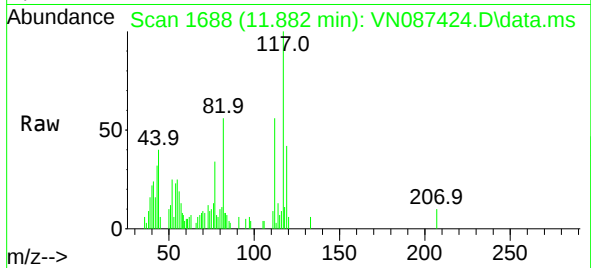




#64
Chlorobenzene
Concen: 0.436 ug/l
RT: 11.882 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

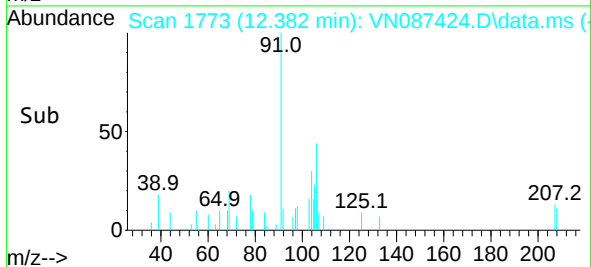
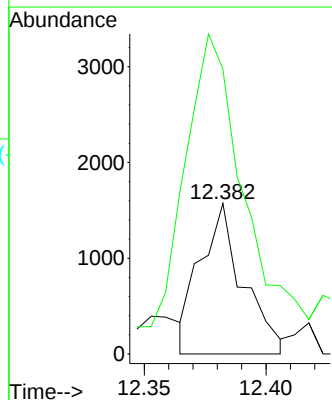
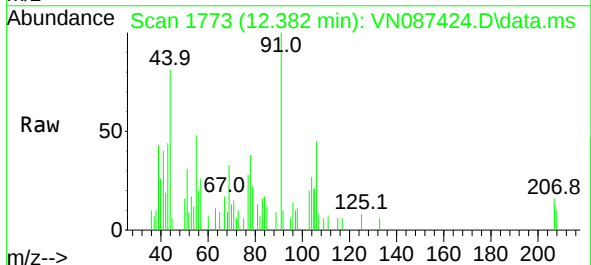
Instrument :
MSVOA_N
ClientSampleId :

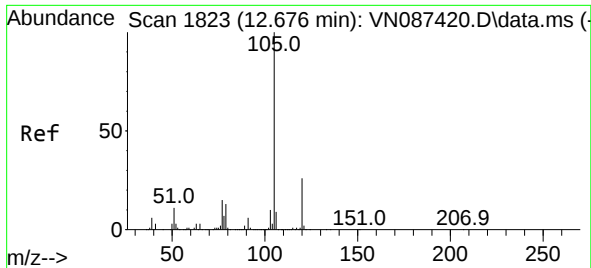
Tgt Ion:112 Resp: 5215
Ion Ratio Lower Upper
112 100
114 23.2 25.2 37.8#



#68
o-Xylene
Concen: 0.246 ug/l
RT: 12.382 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion:106 Resp: 1916
Ion Ratio Lower Upper
106 100
91 253.0 106.9 320.8

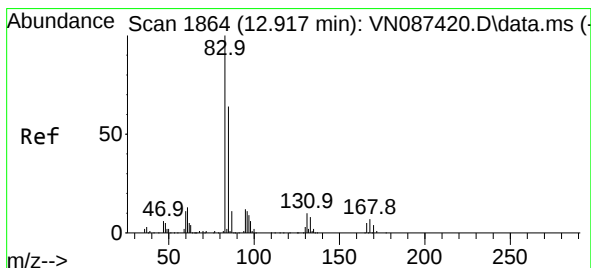
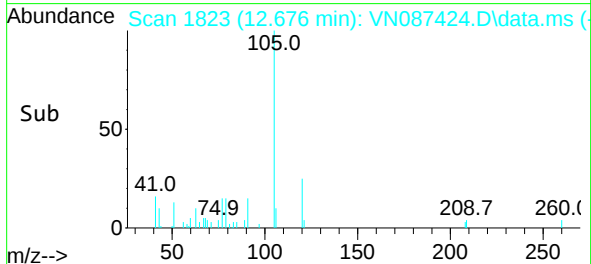
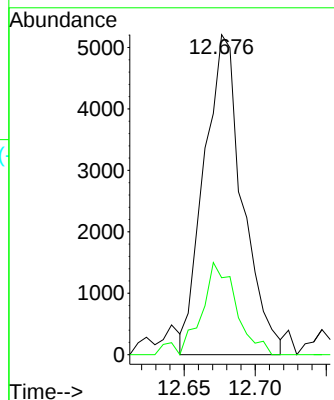
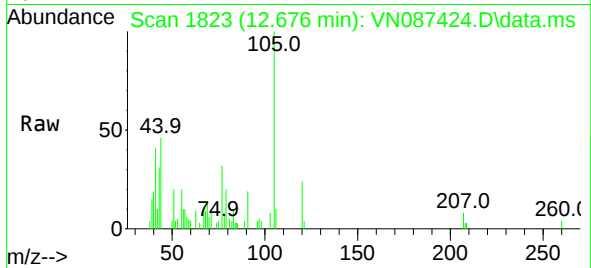




#70
Isopropylbenzene
Concen: 0.490 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

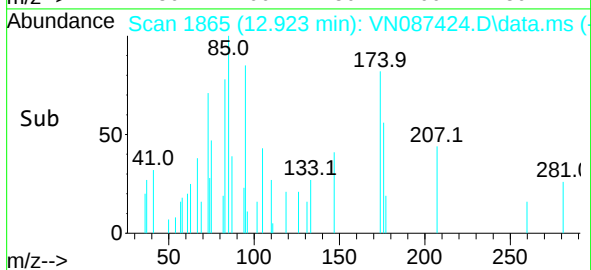
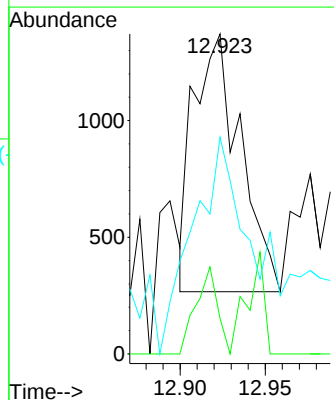
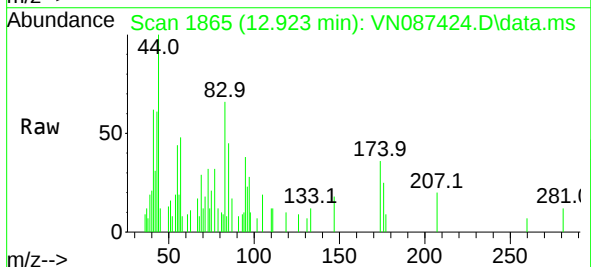
Instrument :
MSVOA_N
ClientSampleId :

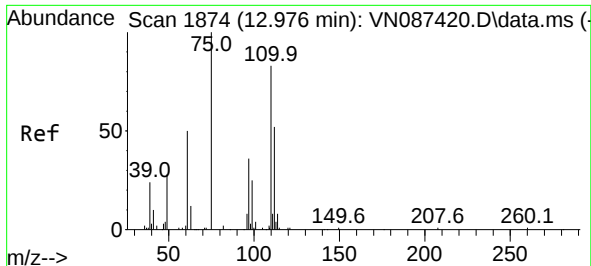
Tgt Ion:105 Resp: 9802
Ion Ratio Lower Upper
105 100
120 25.2 18.1 33.5



#71
1,1,2,2-Tetrachloroethane
Concen: 0.308 ug/l
RT: 12.923 min Scan# 1865
Delta R.T. 0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 83 Resp: 2104
Ion Ratio Lower Upper
83 100
131 15.6 5.0 14.9#
85 90.8 32.7 98.1

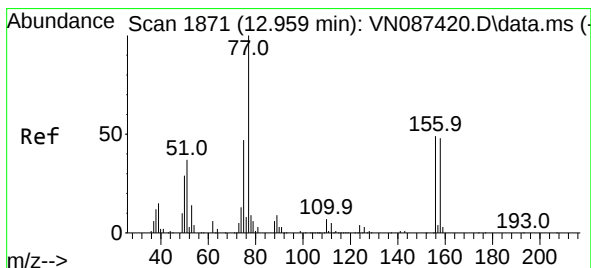
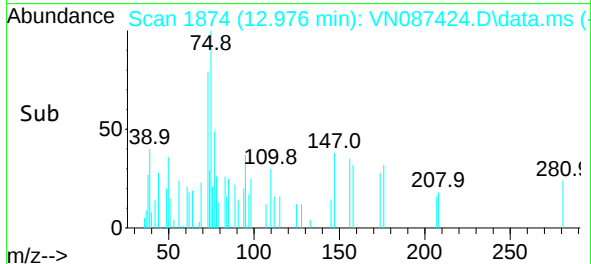
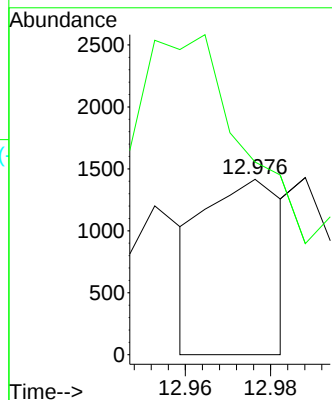
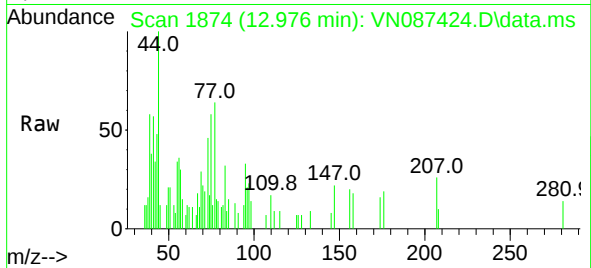




#72
1,2,3-Trichloropropane
Concen: 0.292 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

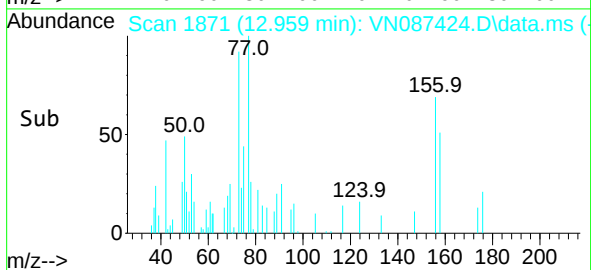
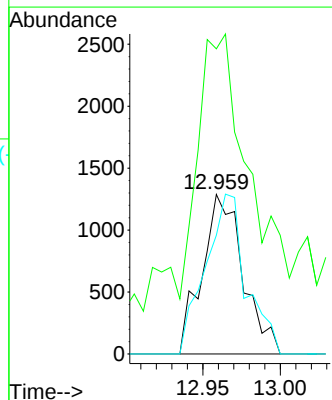
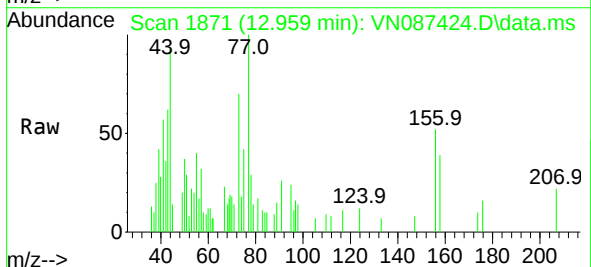
Instrument :
MSVOA_N
ClientSampleId :

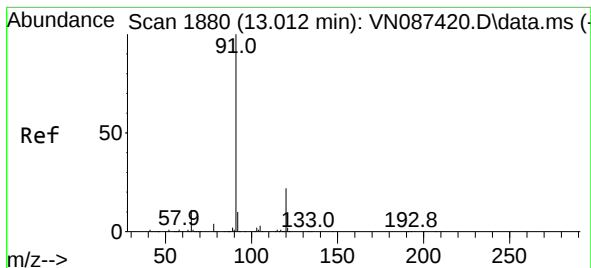
Tgt Ion: 75 Resp: 1811
Ion Ratio Lower Upper
75 100
77 24.1 0.0 322.6



#73
Bromobenzene
Concen: 0.508 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 156 Resp: 2364
Ion Ratio Lower Upper
156 100
77 178.5 0.0 483.0
158 83.7 0.0 195.0





#74

n-propylbenzene

Concen: 0.683 ug/l

RT: 13.018 min Scan# 1880

Delta R.T. 0.006 min

Lab File: VN087424.D

Acq: 28 Jul 2025 11:31

Instrument :

MSVOA_N

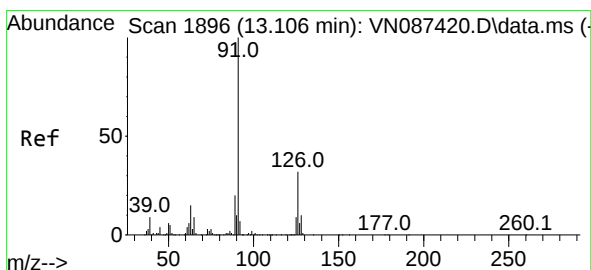
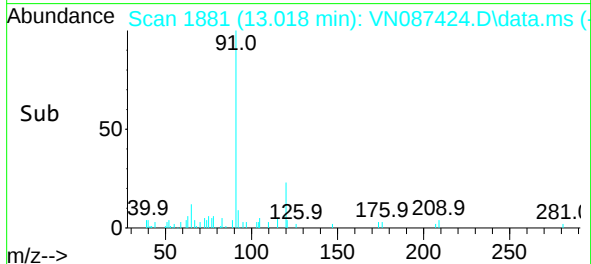
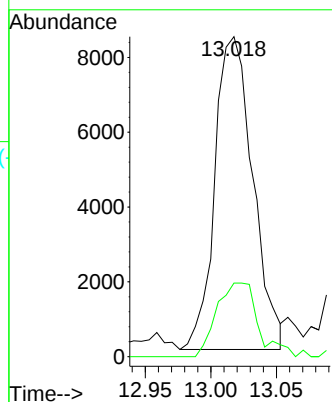
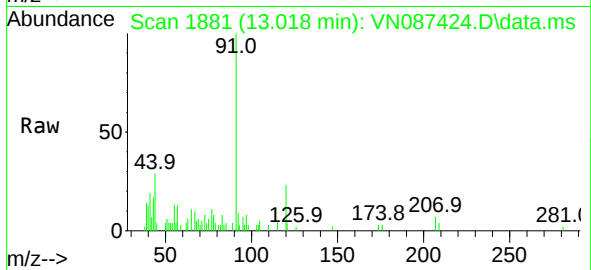
ClientSampleId :

Tgt Ion: 91 Resp: 16877

Ion Ratio Lower Upper

91 100

120 23.4 0.0 44.0



#75

2-Chlorotoluene

Concen: 0.464 ug/l

RT: 13.106 min Scan# 1896

Delta R.T. 0.000 min

Lab File: VN087424.D

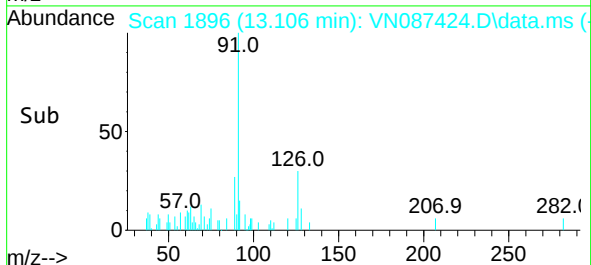
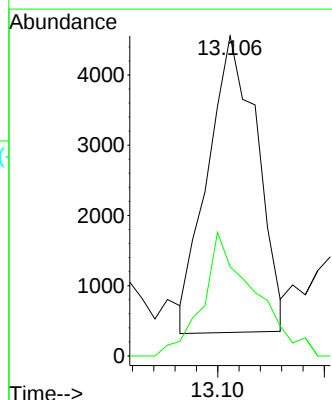
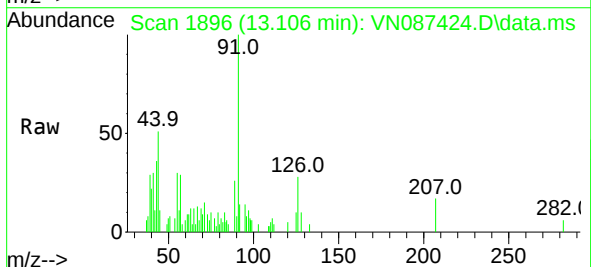
Acq: 28 Jul 2025 11:31

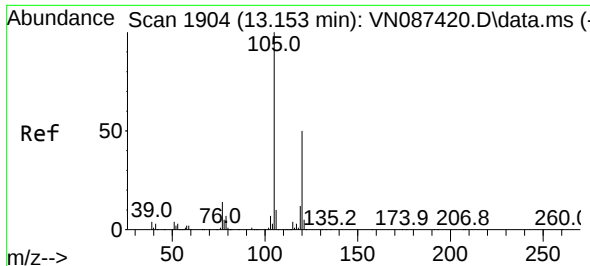
Tgt Ion: 91 Resp: 6801

Ion Ratio Lower Upper

91 100

126 43.1 0.0 64.4

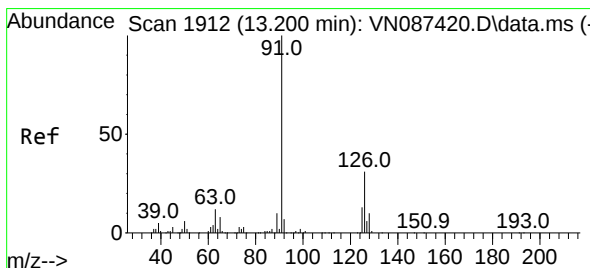
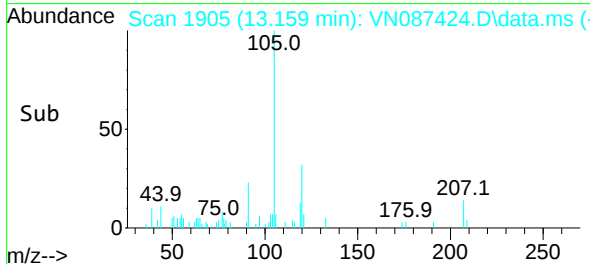
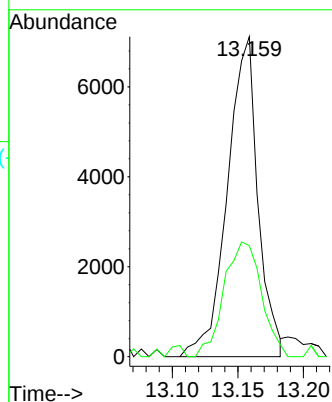
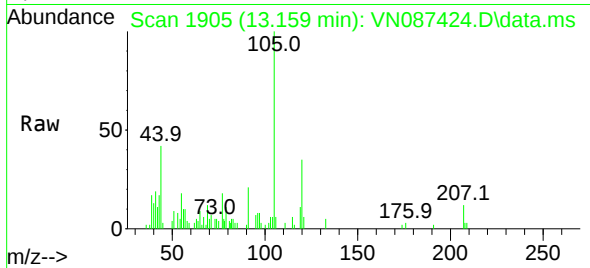




#76
1,3,5-Trimethylbenzene
Concen: 0.696 ug/l
RT: 13.159 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

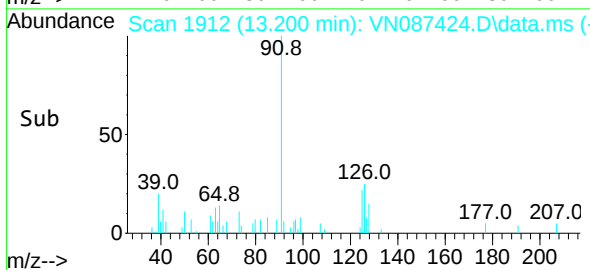
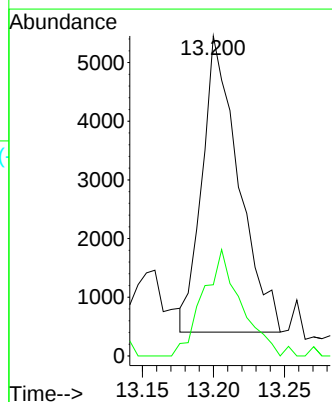
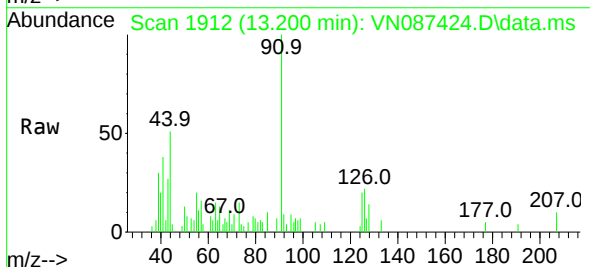
Instrument :
MSVOA_N
ClientSampleId :

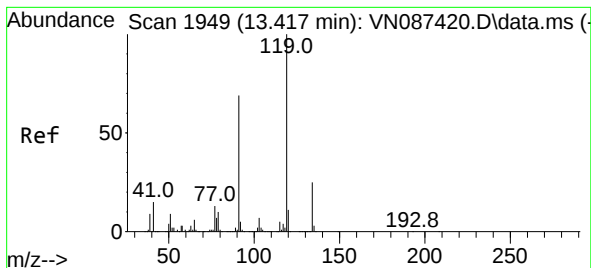
Tgt Ion:105 Resp: 11548
Ion Ratio Lower Upper
105 100
120 43.8 0.0 97.0



#78
4-Chlorotoluene
Concen: 0.599 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 91 Resp: 9024
Ion Ratio Lower Upper
91 100
126 37.1 0.0 63.4





#79

tert-butylbenzene

Concen: 0.756 ug/l

RT: 13.418 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VN087424.D

Acq: 28 Jul 2025 11:31

Instrument :

MSVOA_N

ClientSampleId :

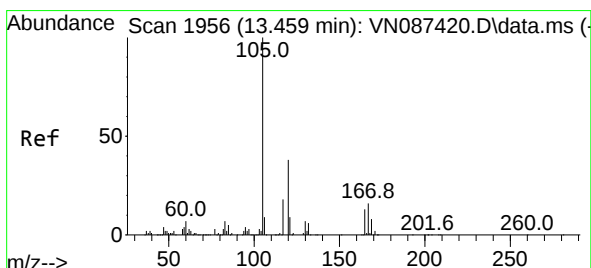
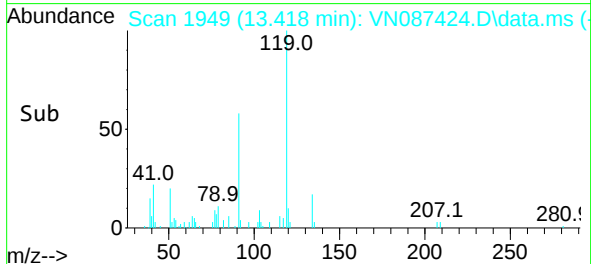
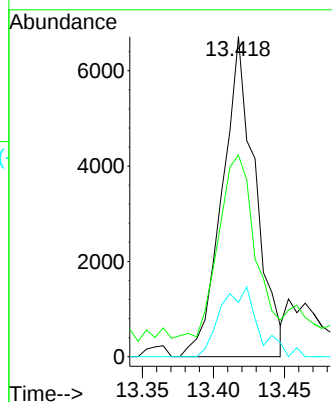
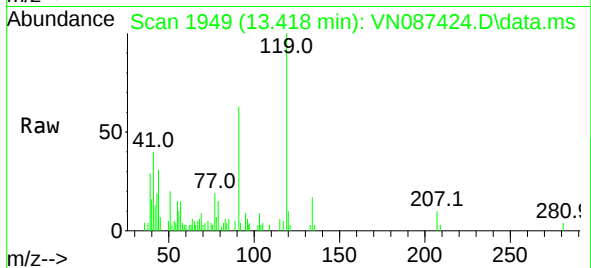
Tgt Ion:119 Resp: 10838

Ion Ratio Lower Upper

119 100

91 61.6 0.0 135.4

134 8.1 0.0 49.2



#80

1,2,4-Trimethylbenzene

Concen: 0.645 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VN087424.D

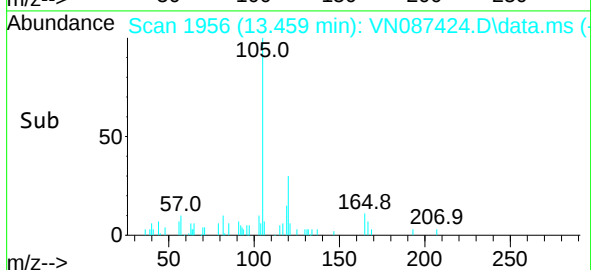
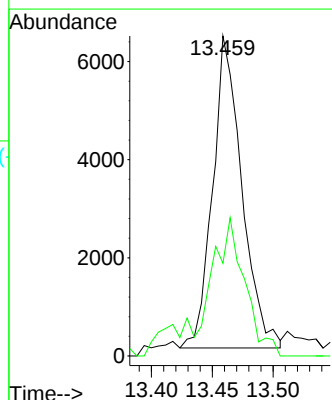
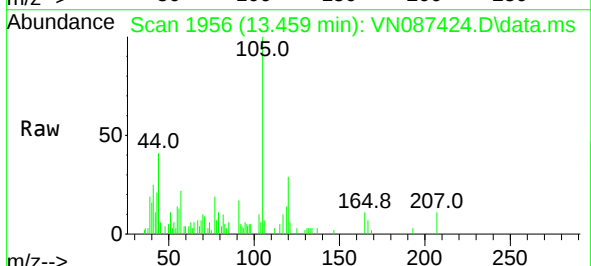
Acq: 28 Jul 2025 11:31

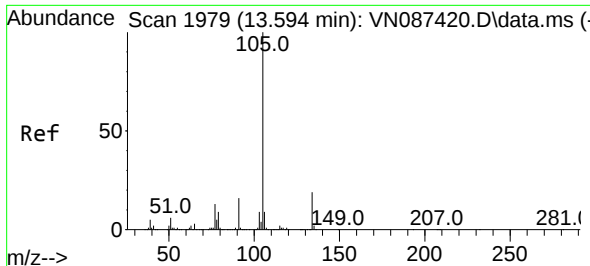
Tgt Ion:105 Resp: 10608

Ion Ratio Lower Upper

105 100

120 46.1 0.0 88.6

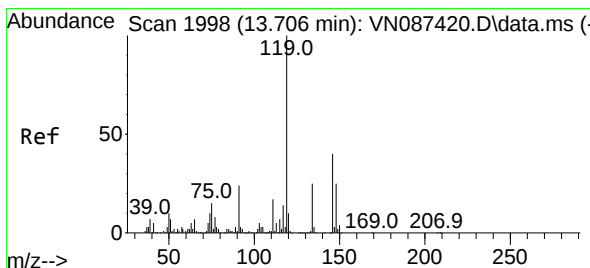
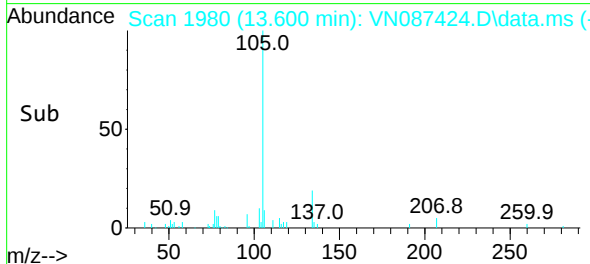
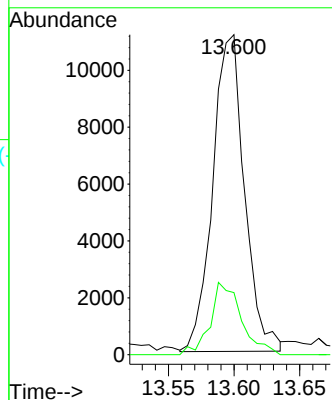
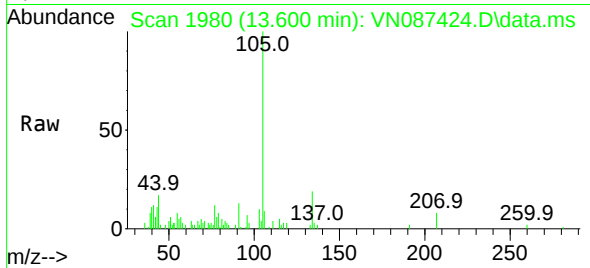




#81
 sec-Butylbenzene
 Concen: 0.882 ug/l
 RT: 13.600 min Scan# 1979
 Delta R.T. 0.006 min
 Lab File: VN087424.D
 Acq: 28 Jul 2025 11:31

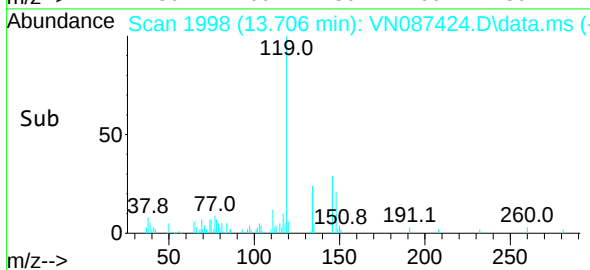
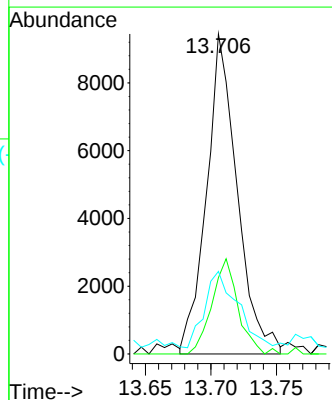
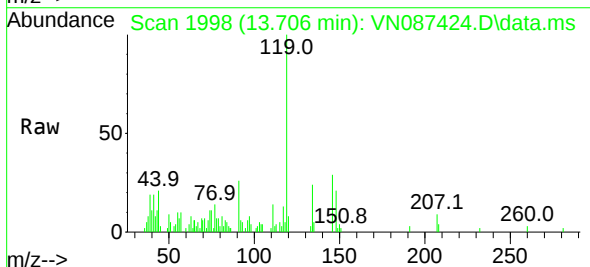
Instrument :
 MSVOA_N
 ClientSampleId :

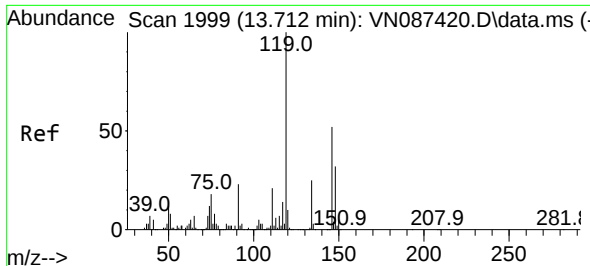
Tgt Ion:105 Resp: 18770
 Ion Ratio Lower Upper
 105 100
 134 22.3 0.0 39.0



#82
 p-Isopropyltoluene
 Concen: 0.889 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087424.D
 Acq: 28 Jul 2025 11:31

Tgt Ion:119 Resp: 15352
 Ion Ratio Lower Upper
 119 100
 134 25.1 0.0 50.8
 91 26.1 0.0 47.6

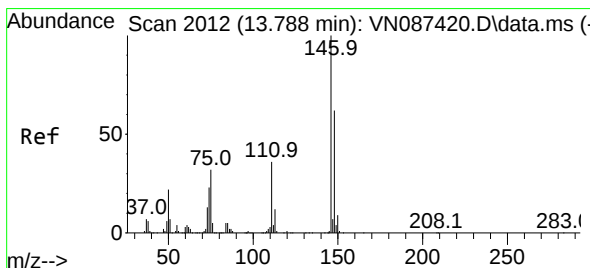
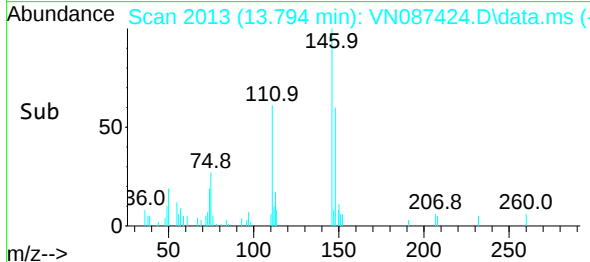
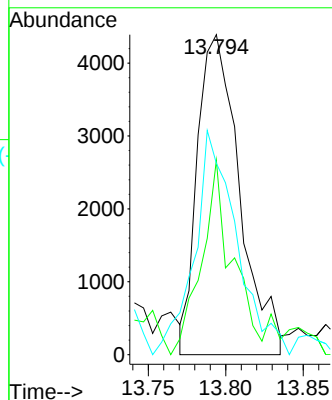
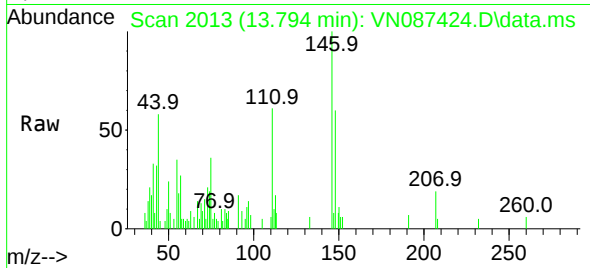




#83
 1,3-Dichlorobenzene
 Concen: 0.944 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.082 min
 Lab File: VN087424.D
 Acq: 28 Jul 2025 11:31

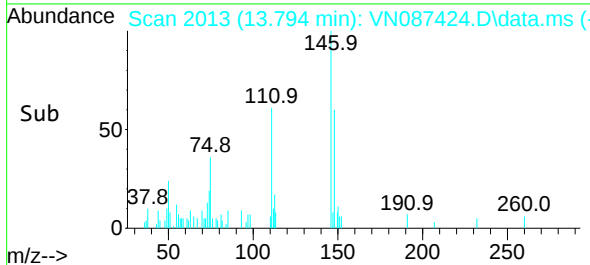
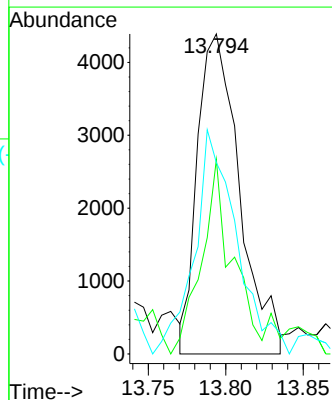
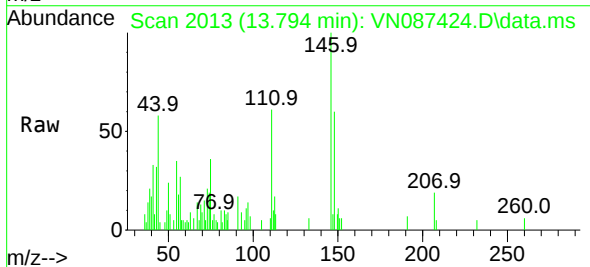
Instrument :
 MSVOA_N
 ClientSampleId :

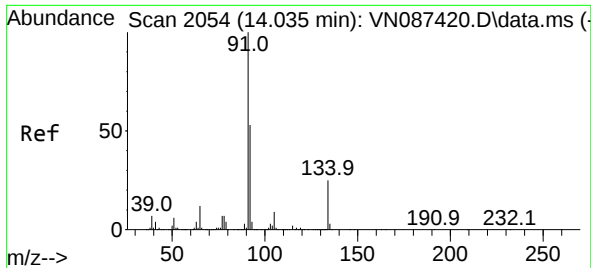
Tgt Ion:146 Resp: 8309
 Ion Ratio Lower Upper
 146 100
 111 31.7 19.9 59.7
 148 66.7 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 0.903 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.006 min
 Lab File: VN087424.D
 Acq: 28 Jul 2025 11:31

Tgt Ion:146 Resp: 8309
 Ion Ratio Lower Upper
 146 100
 111 31.7 19.1 57.3
 148 66.7 31.4 94.2

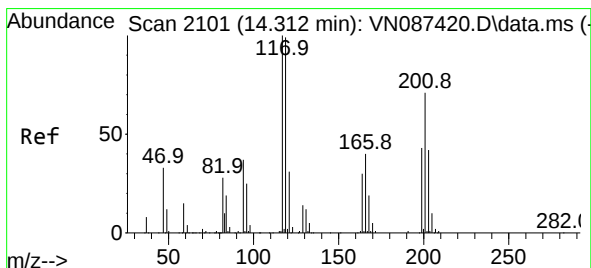
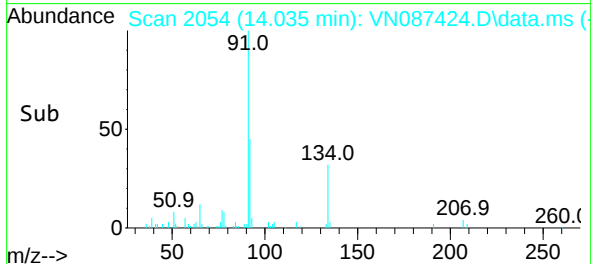
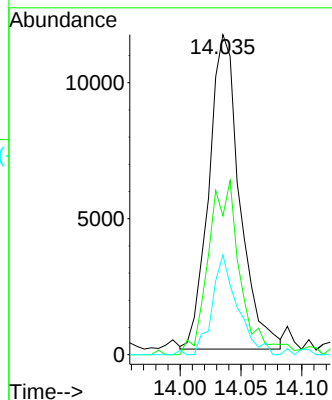
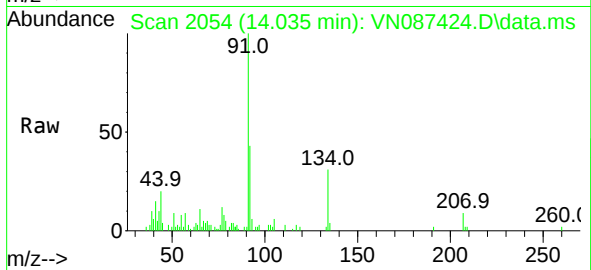




#85
n-Butylbenzene
Concen: 1.173 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

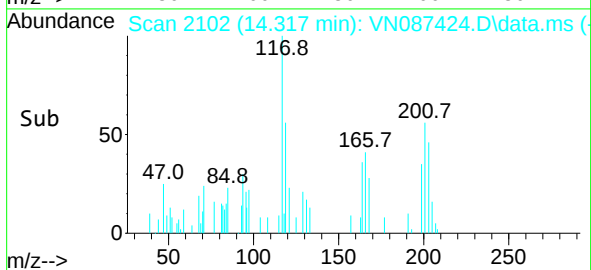
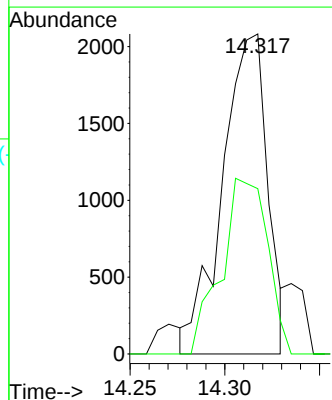
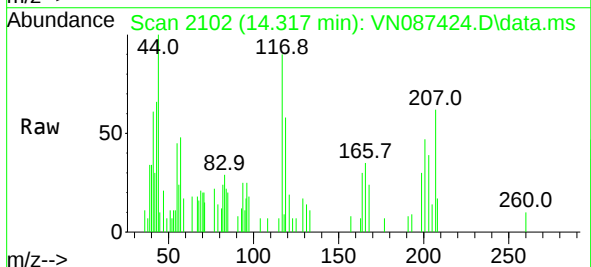
Instrument :
MSVOA_N
ClientSampleId :

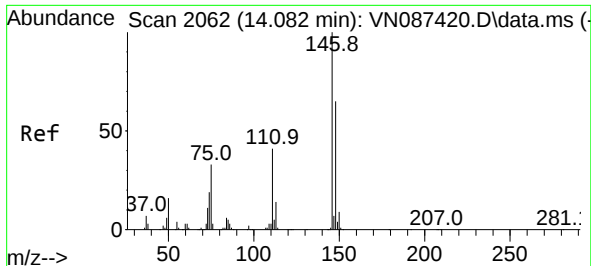
Tgt Ion: 91	Resp: 20398
Ion Ratio	Lower Upper
91 100	
92 54.6	0.0 104.8
134 25.0	0.0 49.0



#86
Hexachloroethane
Concen: 0.986 ug/l
RT: 14.317 min Scan# 2102
Delta R.T. 0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 117	Resp: 3458
Ion Ratio	Lower Upper
117 100	
201 56.2	32.7 98.1

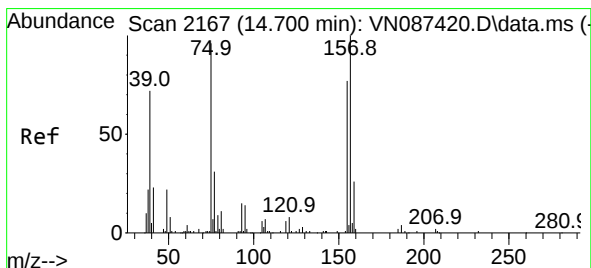
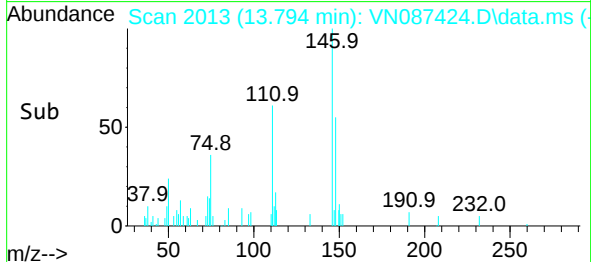
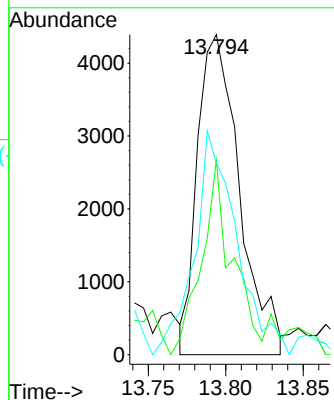
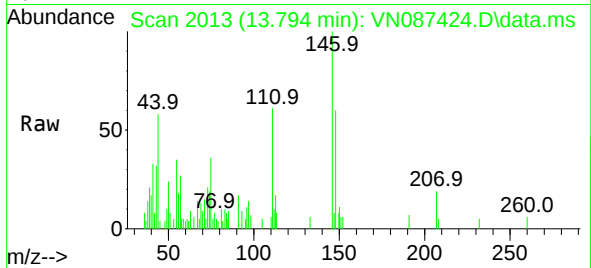




#87
1,2-Dichlorobenzene
Concen: 0.971 ug/l
RT: 13.794 min Scan# 2062
Delta R.T. -0.288 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

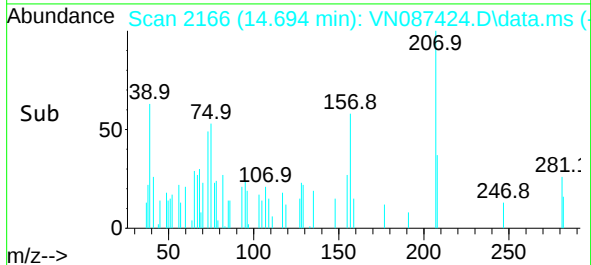
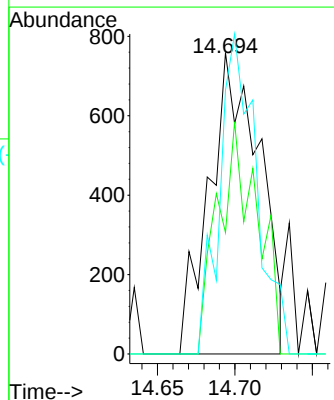
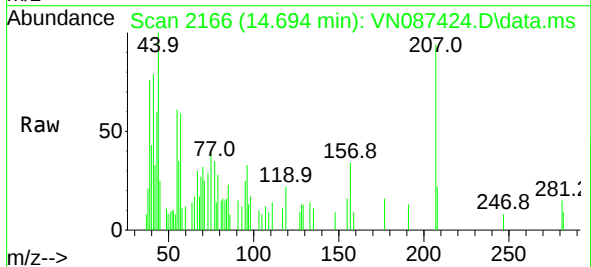
Instrument :
MSVOA_N
ClientSampleId :

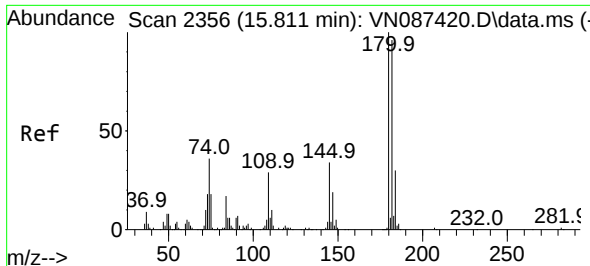
Tgt Ion:146 Resp: 8309
Ion Ratio Lower Upper
146 100
111 31.7 20.6 61.9
148 66.7 32.5 97.5



#88
1,2-Dibromo-3-Chloropropane
Concen: 1.088 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. -0.006 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion: 75 Resp: 1714
Ion Ratio Lower Upper
75 100
155 19.8 64.4 96.6#
157 0.0 82.3 123.5#

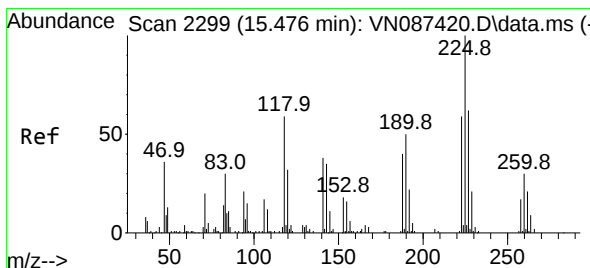
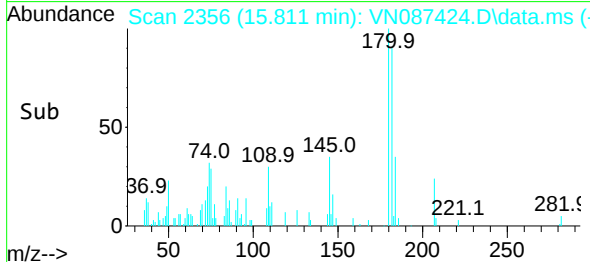
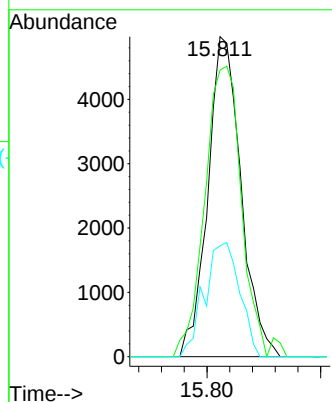
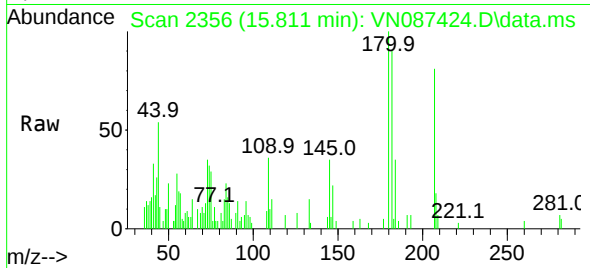




#89
1,2,4-Trichlorobenzene
Concen: 1.934 ug/l
RT: 15.811 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

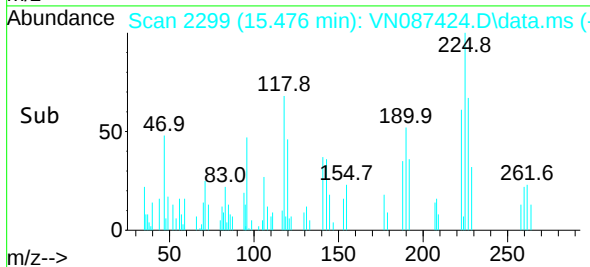
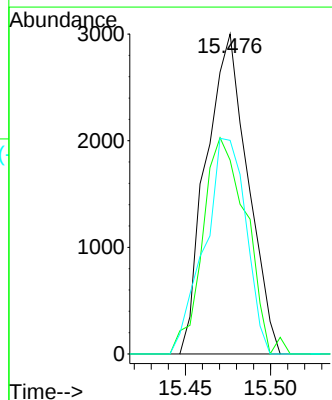
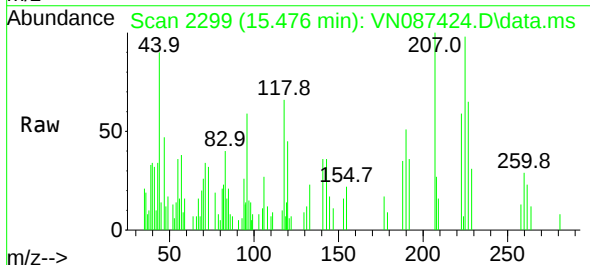
Instrument :
MSVOA_N
ClientSampleId :

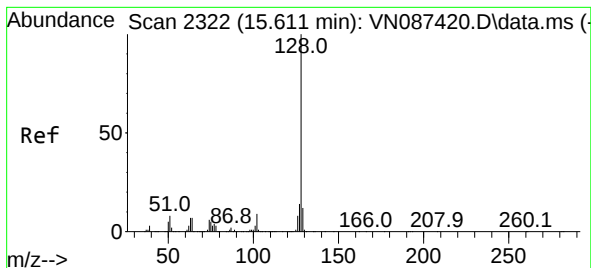
Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.4	74.7	112.1
145	37.9	27.4	41.2



#90
Hexachlorobutadiene
Concen: 2.569 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN087424.D
Acq: 28 Jul 2025 11:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	69.8	0.0	125.4
227	66.9	0.0	125.0





#91

Naphthalene

Concen: 2.232 ug/l

RT: 15.617 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN087424.D

Acq: 28 Jul 2025 11:31

Instrument :

MSVOA_N

ClientSampleId :

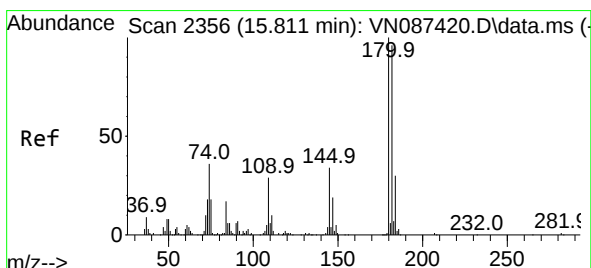
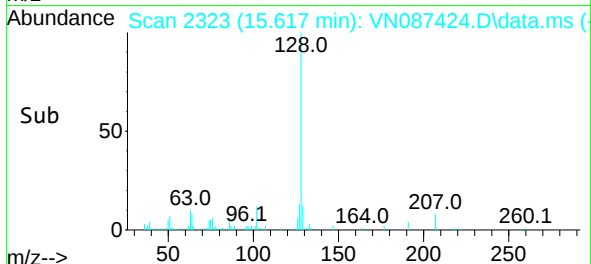
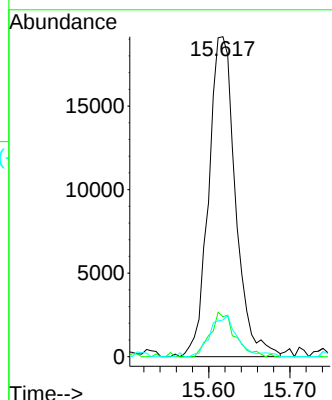
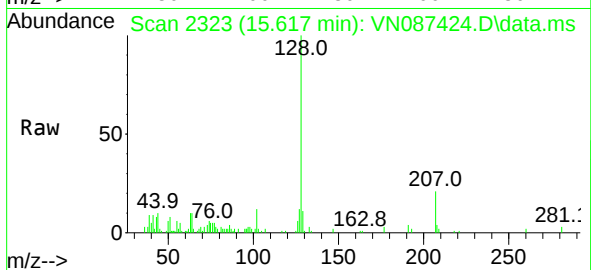
Tgt Ion:128 Resp: 44025

Ion Ratio Lower Upper

128 100

127 12.3 10.7 16.1

129 6.1 9.1 13.7#



#92

1,2,3-Trichlorobenzene

Concen: 1.934 ug/l

RT: 15.811 min Scan# 2356

Delta R.T. 0.000 min

Lab File: VN087424.D

Acq: 28 Jul 2025 11:31

Tgt Ion:180 Resp: 10094

Ion Ratio Lower Upper

180 100

182 99.4 0.0 186.8

145 37.9 0.0 68.6

