

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
 Data File : VN086076.D
 Acq On : 24 Mar 2025 16:49
 Operator : JC\MD
 Sample : Q1606-09ME
 Misc : 5.06g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CHRT28607

Quant Time: Mar 25 01:26:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

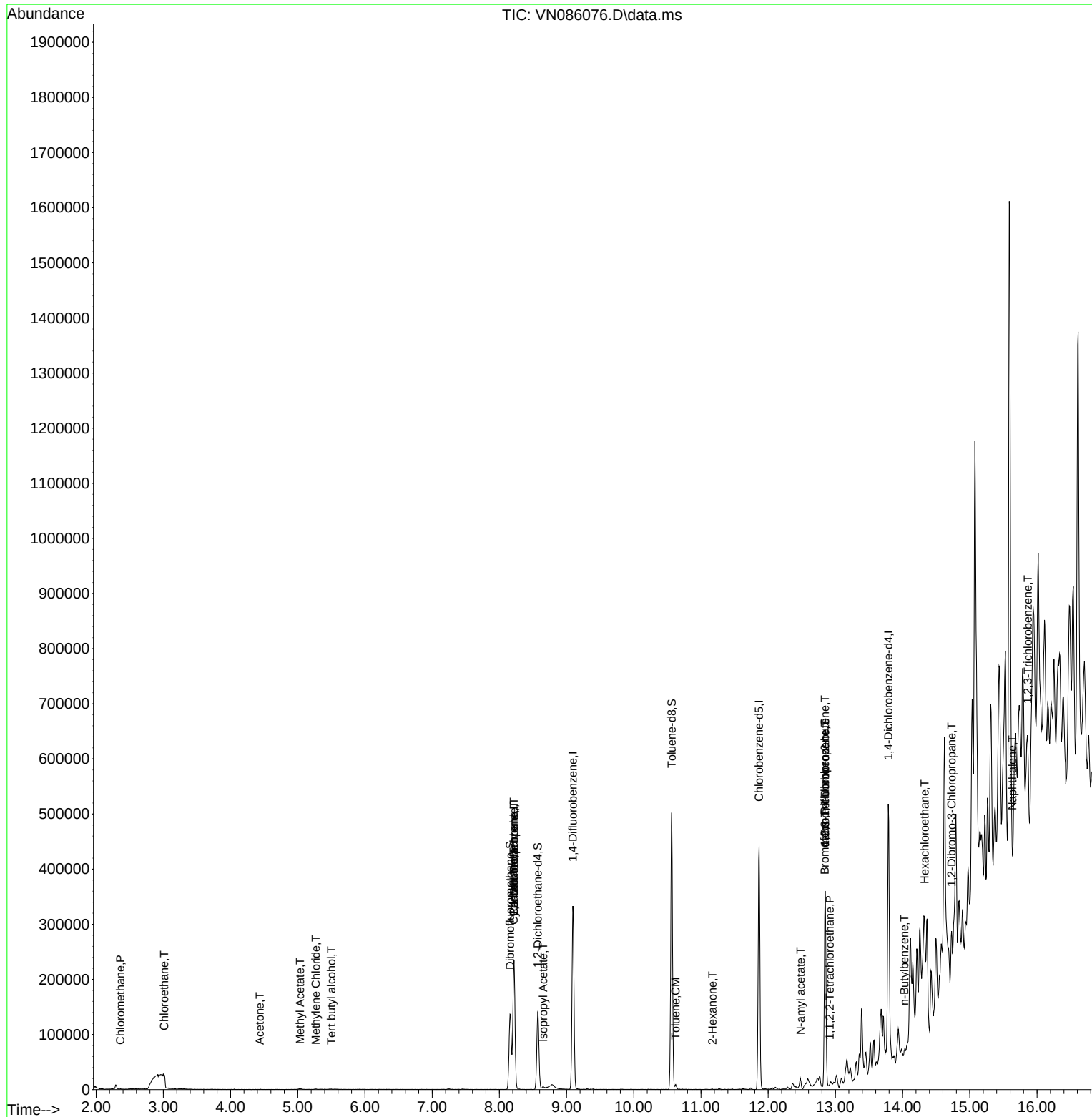
Internal Standards						
1) Pentafluorobenzene	8.218	168	170582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	292419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	134577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	117162	50.158	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.320%			
35) Dibromofluoromethane	8.159	113	99817	48.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.800%			
50) Toluene-d8	10.565	98	358429	48.387	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.780%			
62) 4-Bromofluorobenzene	12.847	95	130460	49.384	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.760%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	432	0.218	ug/l #	42
6) Chloroethane	3.012	64	515	0.403	ug/l #	39
11) Tert butyl alcohol	5.500	59	193	0.584	ug/l #	73
16) Acetone	4.436	43	272	0.381	ug/l #	38
18) Methyl Acetate	5.036	43	3019	1.710	ug/l #	87
20) Methylene Chloride	5.271	84	501	0.240	ug/l #	70
31) Cyclohexane	8.212	56	3654	1.255	ug/l #	16
36) 1,1-Dichloropropene	8.218	75	13344	4.965	ug/l #	50
38) Carbon Tetrachloride	8.218	117	18616	5.268	ug/l #	16
43) Isopropyl Acetate	8.653	43	3761	0.765	ug/l #	50
52) Toluene	10.623	92	2703	0.522	ug/l	99
59) 2-Hexanone	11.170	43	337	0.213	ug/l #	18
71) Bromoform	12.841	173	530	0.281	ug/l #	1
74) N-amyl acetate	12.482	43	3480	1.132	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.917	83	644	0.207	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	63079	20.936	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63079	55.352	ug/l #	16
89) n-Butylbenzene	14.029	91	1407	0.236	ug/l #	1
90) Hexachloroethane	14.329	117	4580	2.709	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.729	75	207	0.334	ug/l #	38
95) Naphthalene	15.635	128	2350	0.352	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.864	180	3252	1.484	ug/l #	44

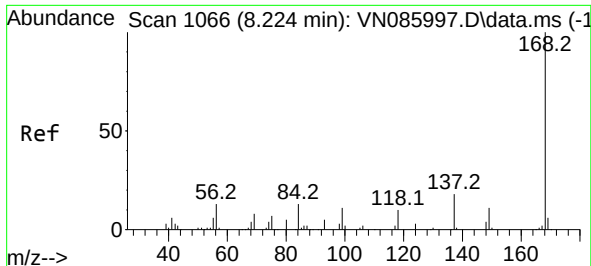
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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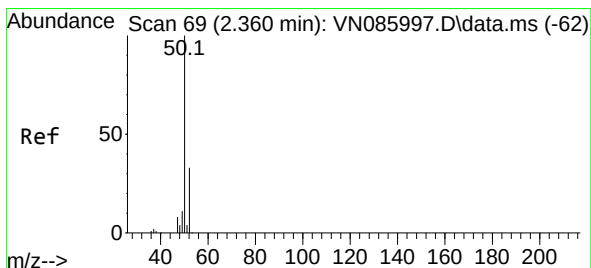
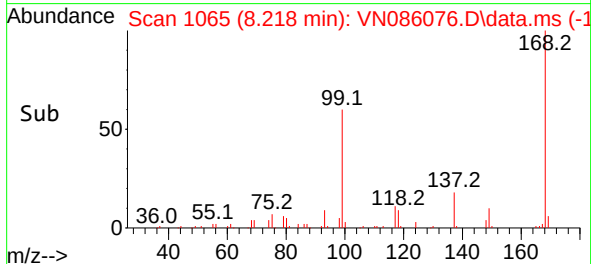
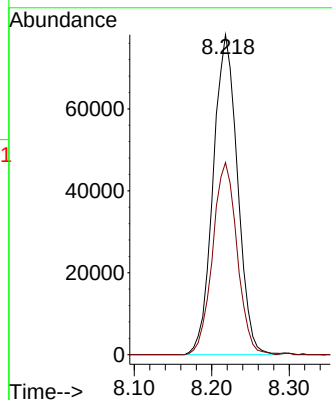
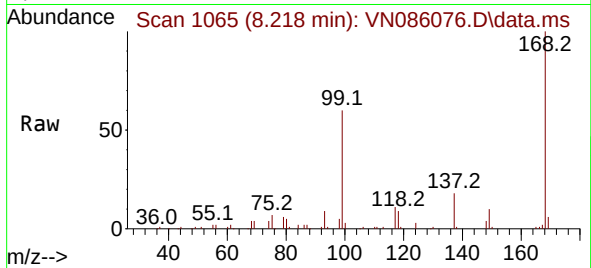




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

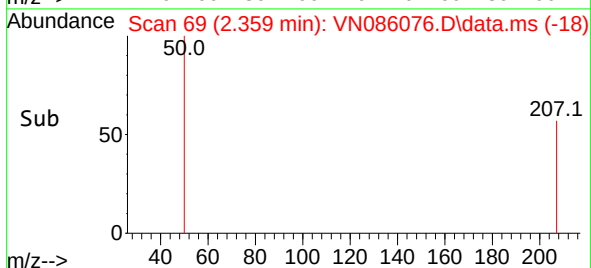
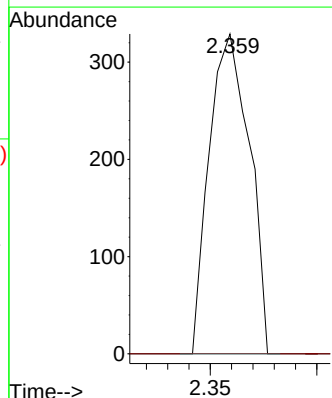
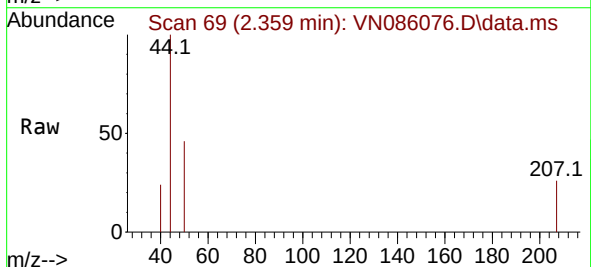
Instrument :
MSVOA_N
ClientSampleId :
CHRT28607

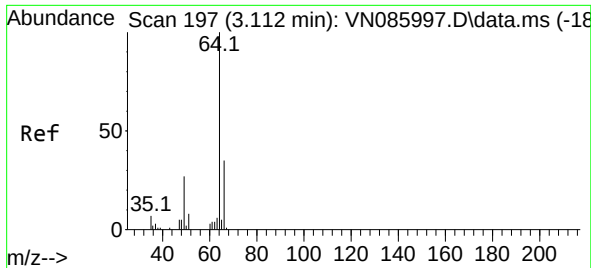
Tgt Ion:168 Resp: 170582
Ion Ratio Lower Upper
168 100
99 60.1 49.4 74.2



#3
Chloromethane
Concen: 0.218 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

Tgt Ion: 50 Resp: 432
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

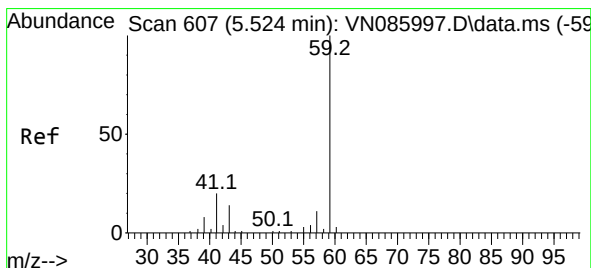
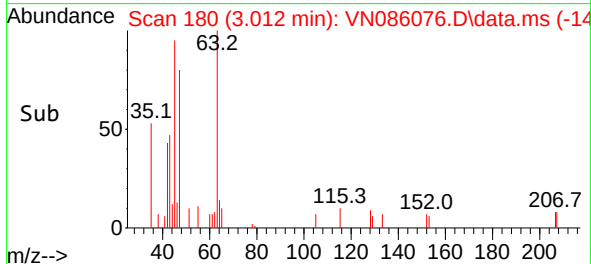
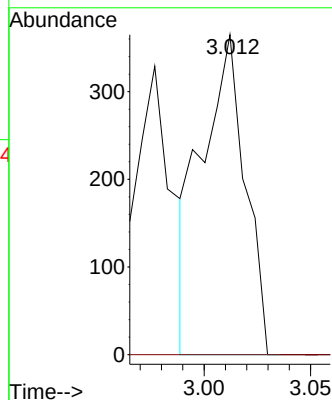
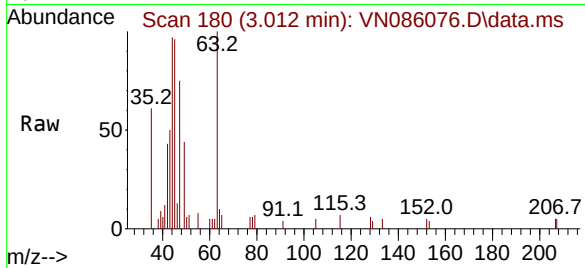




#6
Chloroethane
Concen: 0.403 ug/l
RT: 3.012 min Scan# 11
Delta R.T. -0.100 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

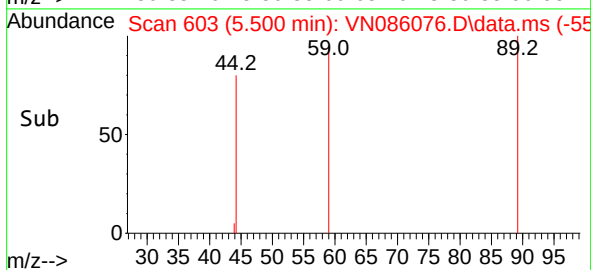
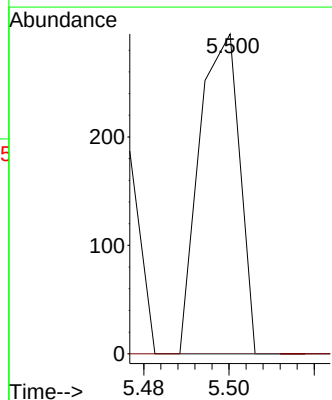
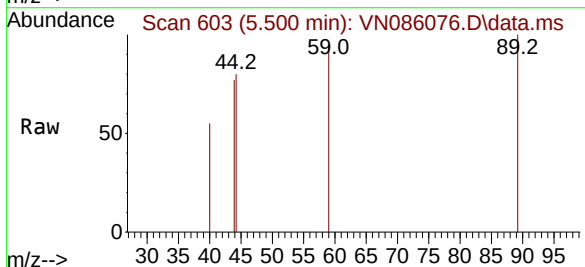
Instrument :
MSVOA_N
ClientSampleId :
CHRT28607

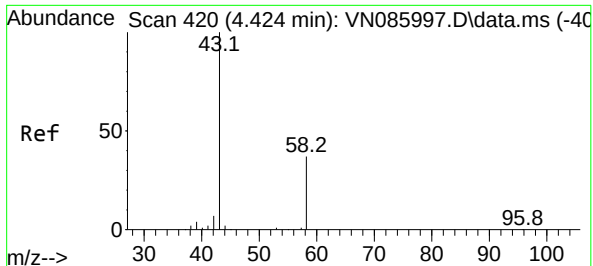
Tgt Ion: 64 Resp: 515
Ion Ratio Lower Upper
64 100
66 0.0 28.3 42.5#



#11
Tert butyl alcohol
Concen: 0.584 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.024 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

Tgt Ion: 59 Resp: 193
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

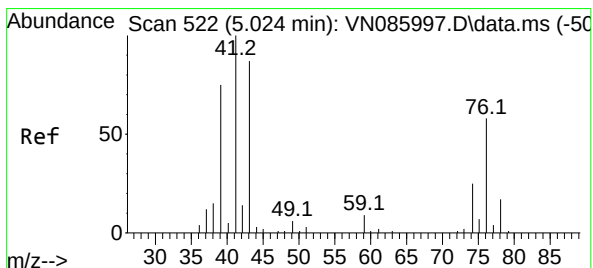
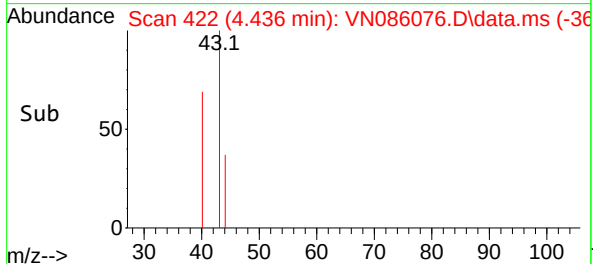
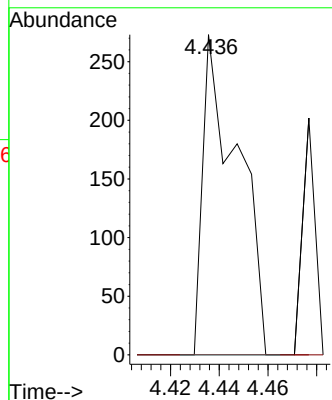
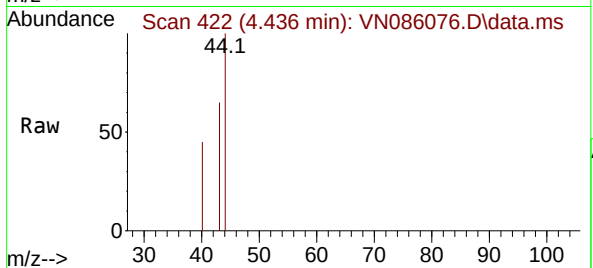




#16
Acetone
Concen: 0.381 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

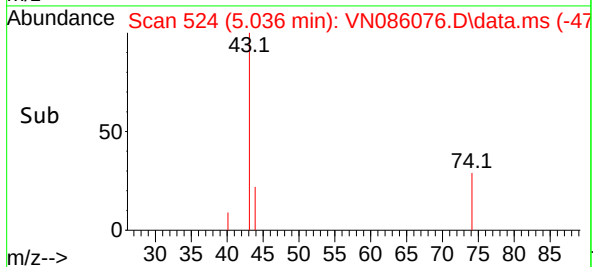
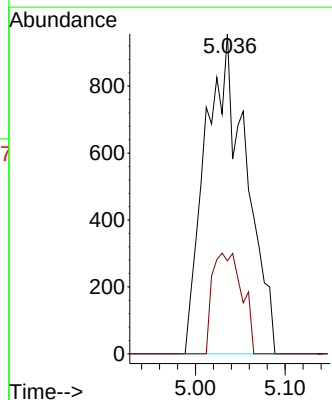
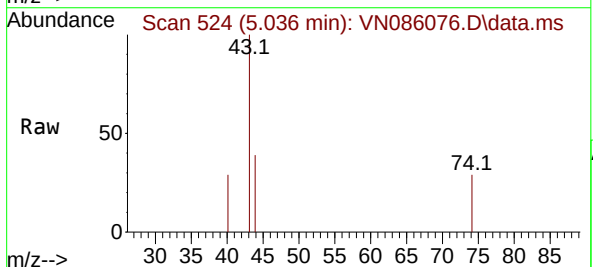
Instrument :
MSVOA_N
ClientSampleId :
CHRT28607

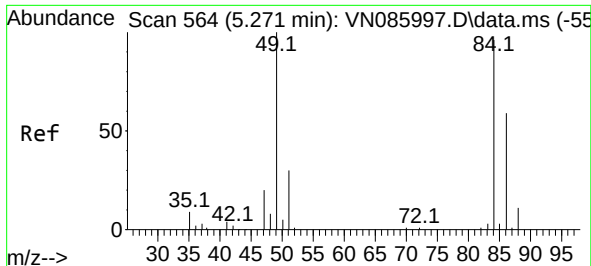
Tgt Ion: 43 Resp: 272
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.2#



#18
Methyl Acetate
Concen: 1.710 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.011 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

Tgt Ion: 43 Resp: 3019
Ion Ratio Lower Upper
43 100
74 22.9 23.9 35.9#

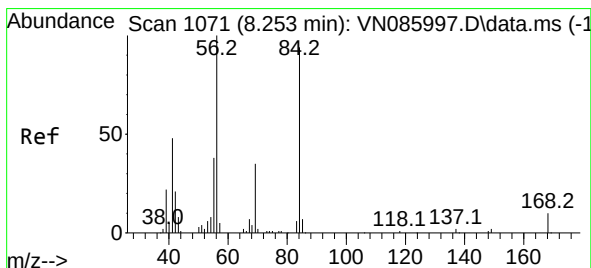
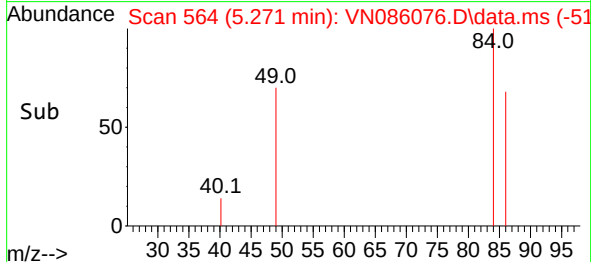
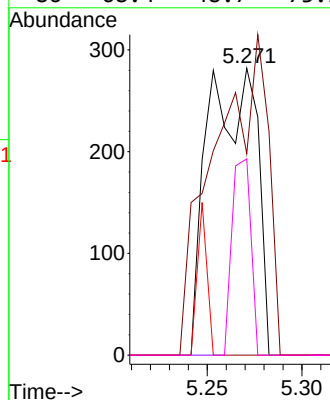
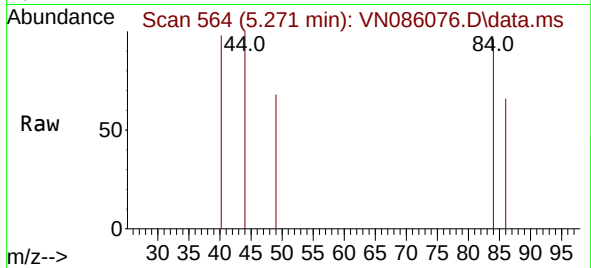




#20
Methylene Chloride
Concen: 0.240 ug/l
RT: 5.271 min Scan# 501
Delta R.T. -0.000 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

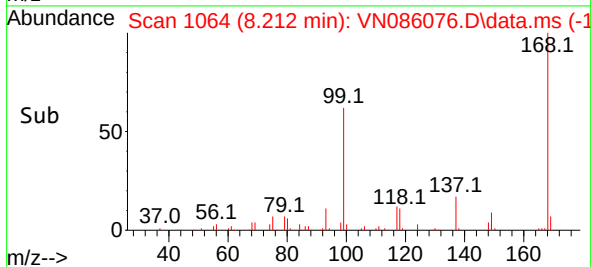
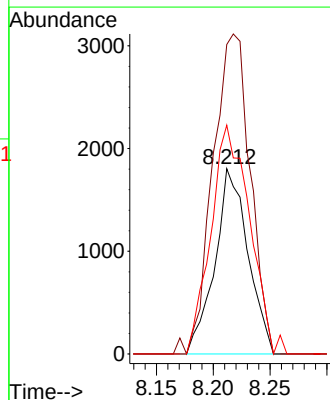
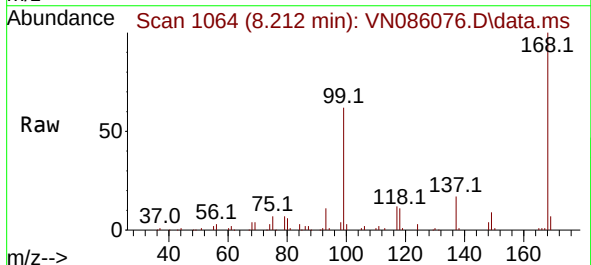
Instrument :
MSVOA_N
ClientSampleId :
CHRT28607

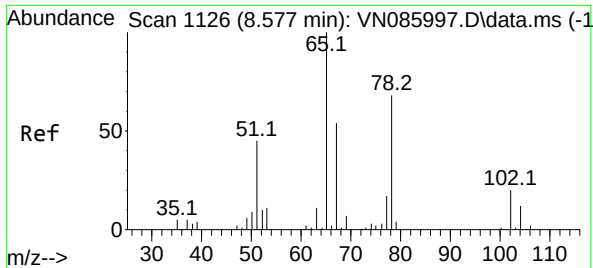
Tgt Ion: 84	Resp: 501
Ion Ratio	Lower Upper
84 100	
49 70.2	83.3 124.9#
51 0.0	24.8 37.2#
86 68.4	48.7 73.1



#31
Cyclohexane
Concen: 1.255 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

Tgt Ion: 56	Resp: 3654		
Ion Ratio	Lower	Upper	
56	100		
69	167.1	28.0	42.0#
84	123.5	75.0	112.6#





#33

1,2-Dichloroethane-d4

Concen: 50.158 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086076.D

Acq: 24 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

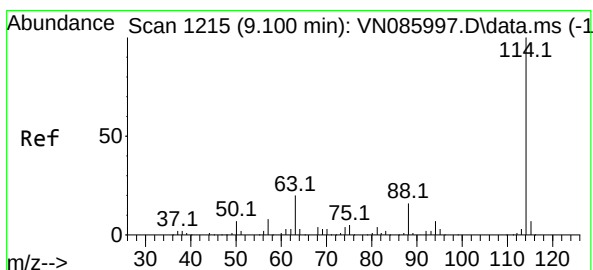
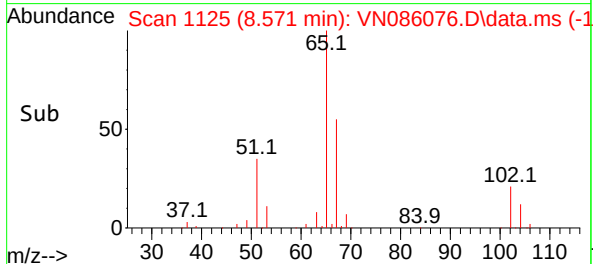
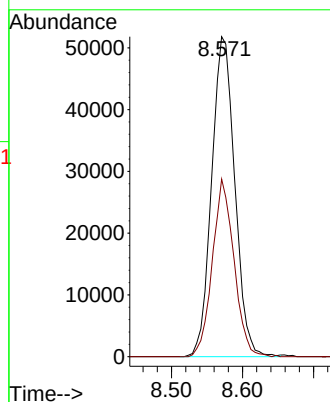
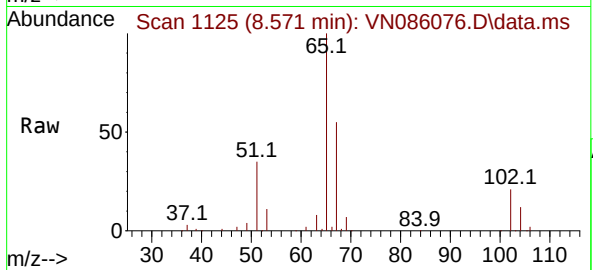
CHRT28607

Tgt Ion: 65 Resp: 117162

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086076.D

Acq: 24 Mar 2025 16:49

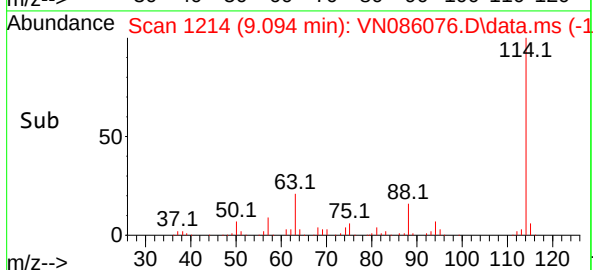
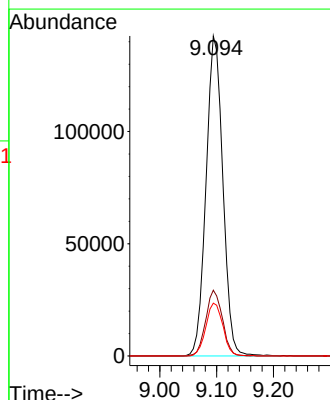
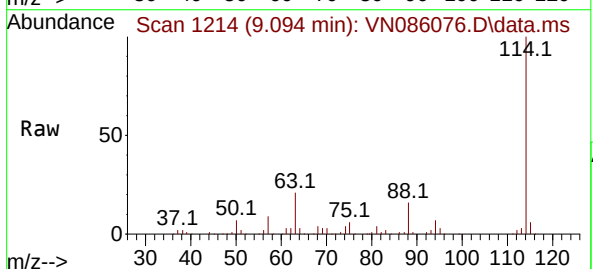
Tgt Ion: 114 Resp: 292419

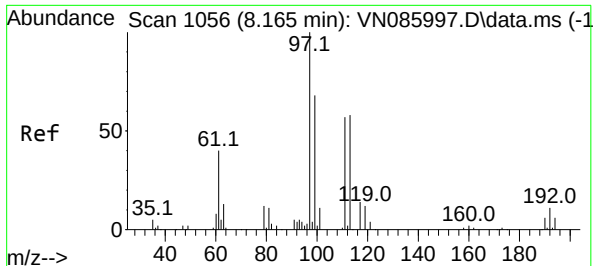
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.905 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086076.D

Acq: 24 Mar 2025 16:49

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CHRT28607

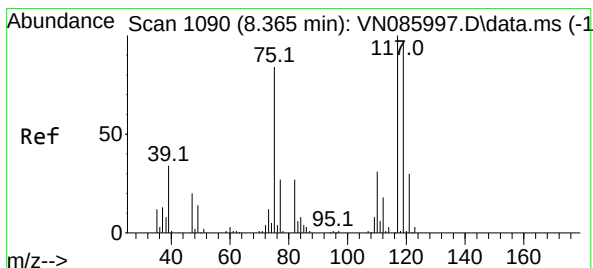
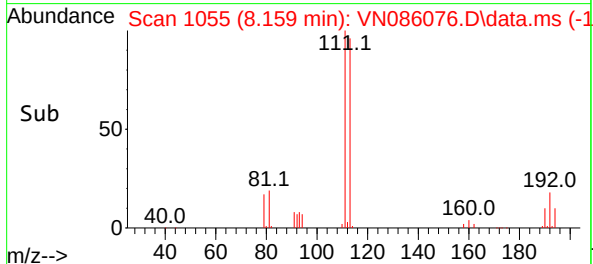
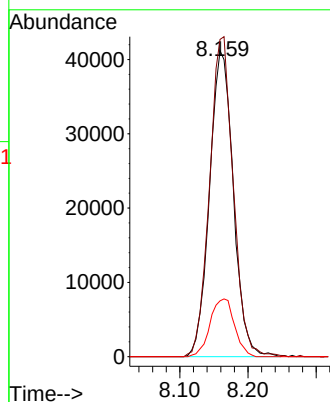
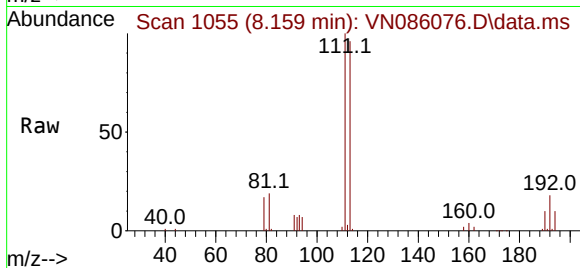
Tgt Ion:113 Resp: 99817

Ion Ratio Lower Upper

113 100

111 104.0 81.8 122.8

192 19.4 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.965 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086076.D

Acq: 24 Mar 2025 16:49

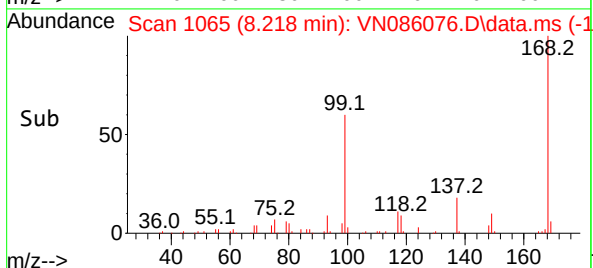
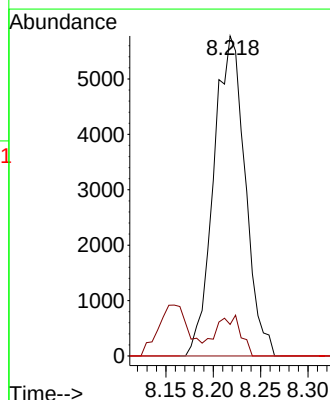
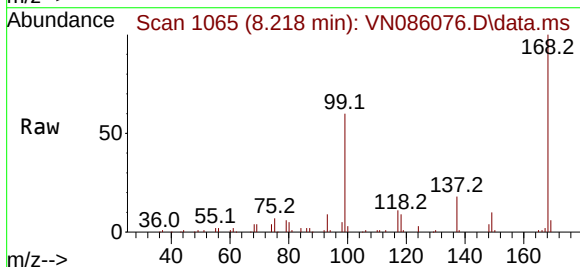
Tgt Ion: 75 Resp: 13344

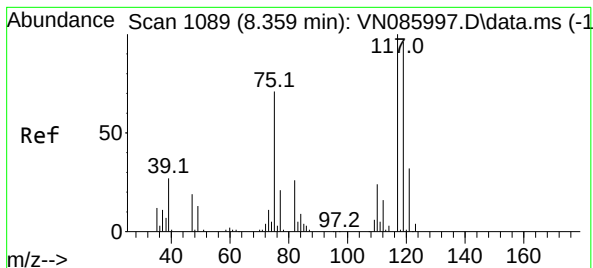
Ion Ratio Lower Upper

75 100

110 10.2 17.8 53.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.268 ug/l

RT: 8.218 min Scan# 1109

Delta R.T. -0.141 min

Lab File: VN086076.D

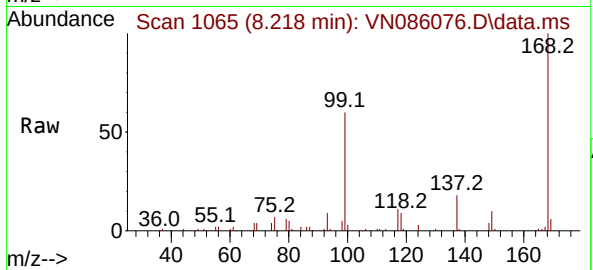
Acq: 24 Mar 2025 16:49

Instrument :

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CHRT28607



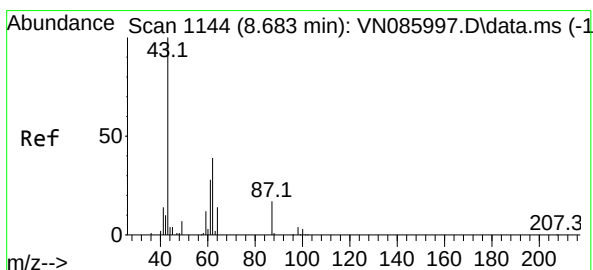
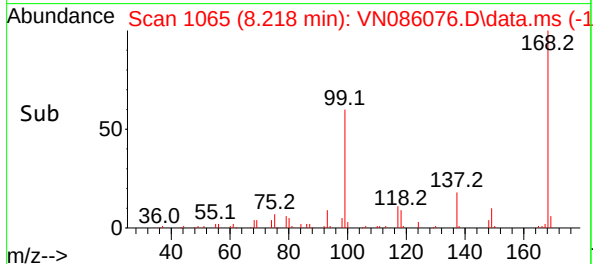
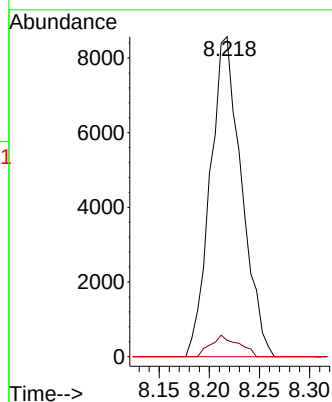
Tgt Ion:117 Resp: 18616

Ion Ratio Lower Upper

117 100

119 5.1 77.0 115.4#

121 0.0 25.6 38.4#



#43

Isopropyl Acetate

Concen: 0.765 ug/l

RT: 8.653 min Scan# 1139

Delta R.T. -0.030 min

Lab File: VN086076.D

Acq: 24 Mar 2025 16:49

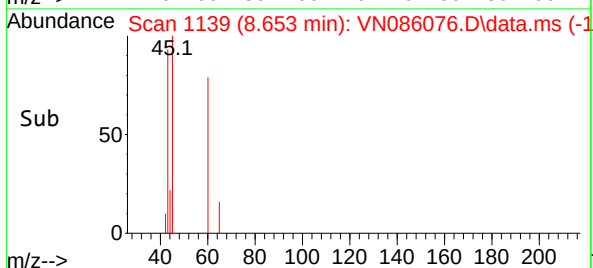
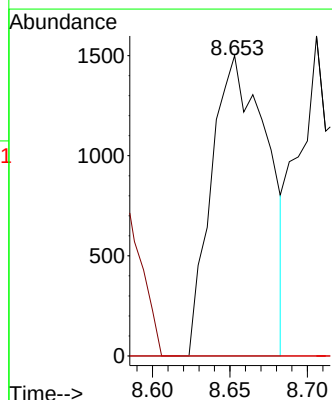
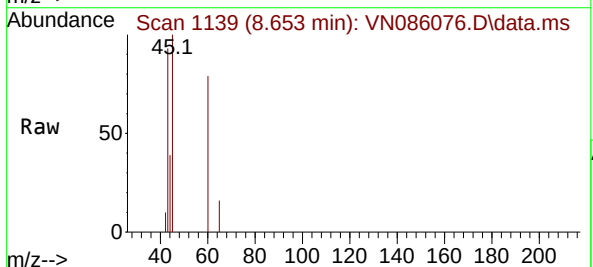
Tgt Ion: 43 Resp: 3761

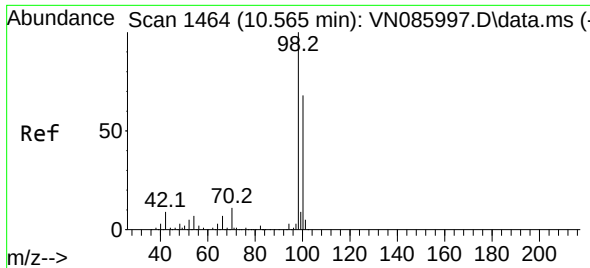
Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

87 0.0 13.0 19.4#

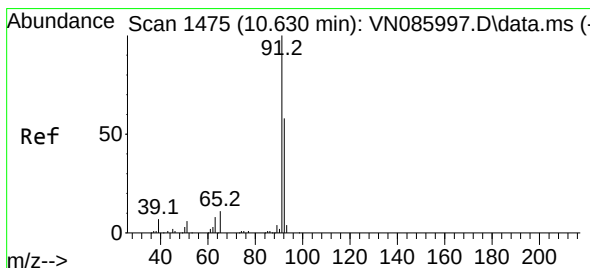
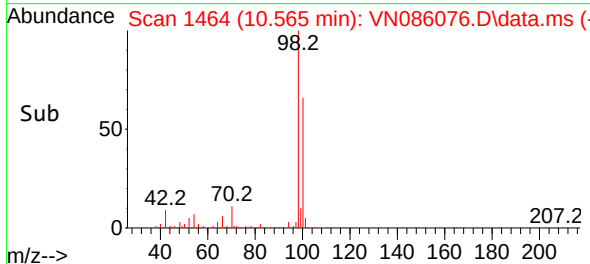
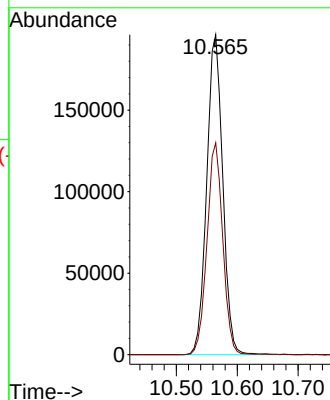
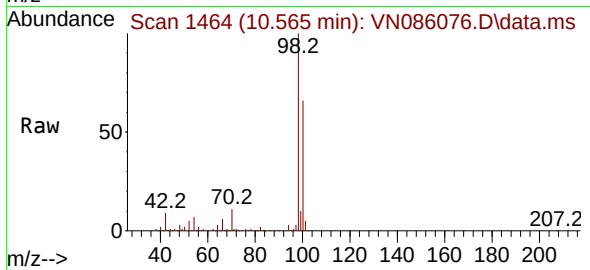




#50
Toluene-d8
Concen: 48.387 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

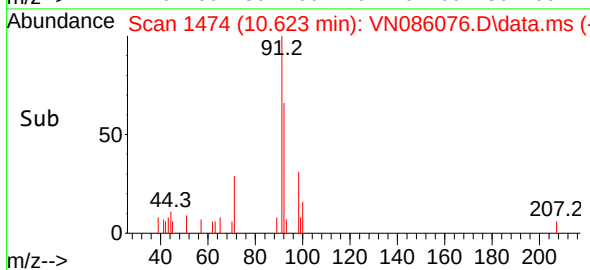
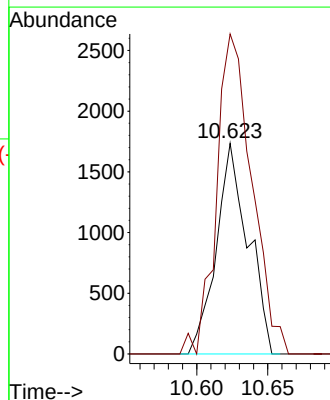
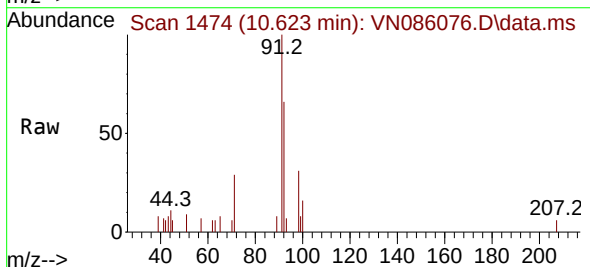
Instrument :
MSVOA_N
ClientSampleId :
CHRT28607

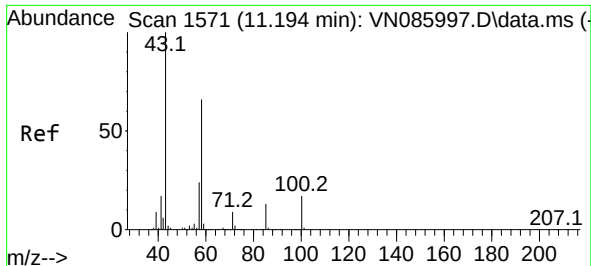
Tgt Ion: 98 Resp: 358429
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7



#52
Toluene
Concen: 0.522 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

Tgt Ion: 92 Resp: 2703
Ion Ratio Lower Upper
92 100
91 169.1 136.2 204.4

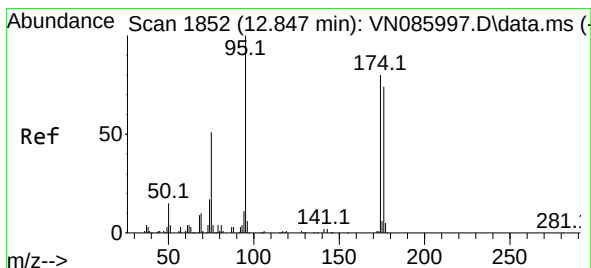
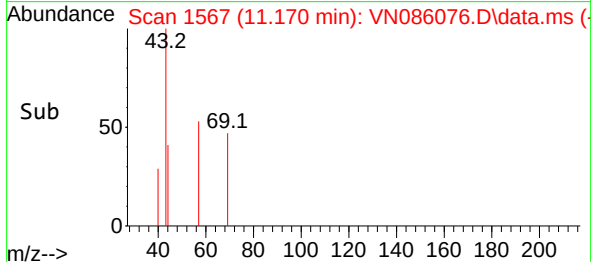
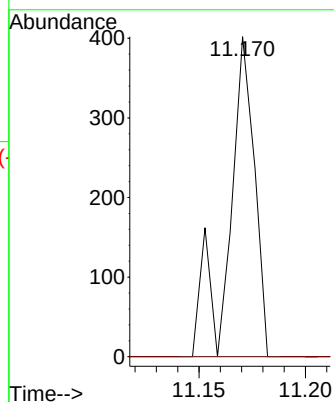
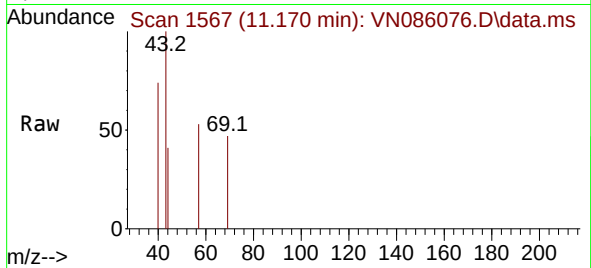




#59
2-Hexanone
Concen: 0.213 ug/l
RT: 11.170 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

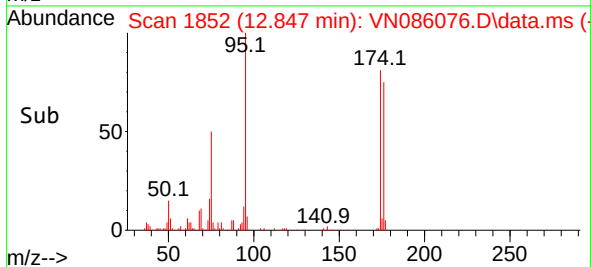
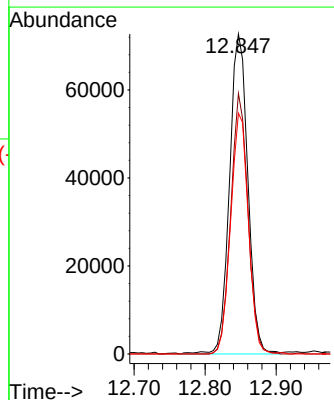
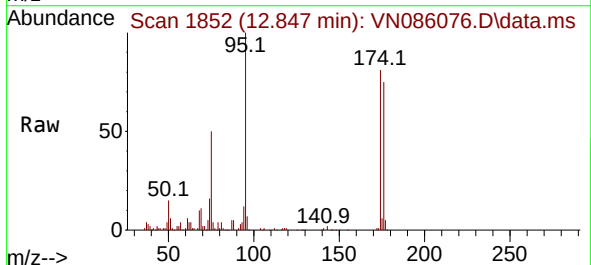
Instrument :
MSVOA_N
ClientSampleId :
CHRT28607

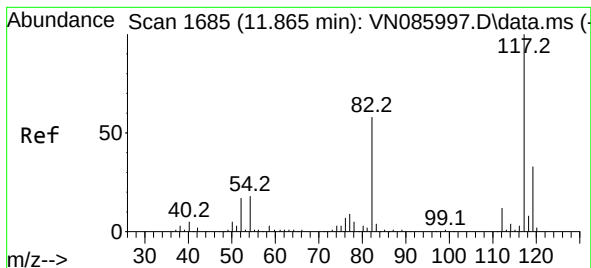
Tgt Ion: 43 Resp: 337
Ion Ratio Lower Upper
43 100
58 0.0 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 49.384 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

Tgt Ion: 95 Resp: 130460
Ion Ratio Lower Upper
95 100
174 76.5 0.0 156.8
176 72.6 0.0 152.2

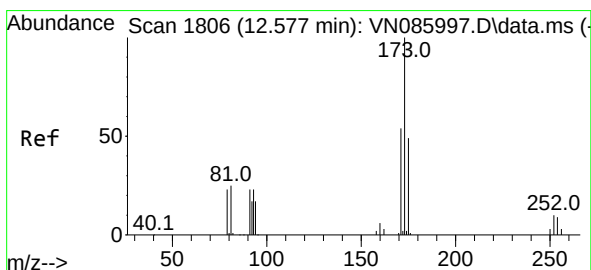
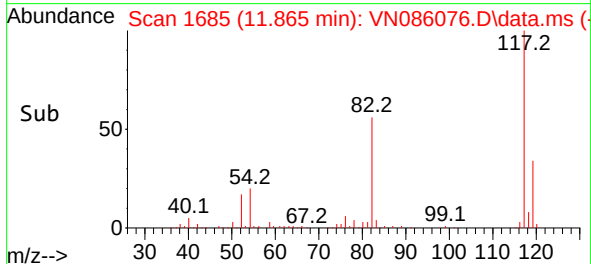
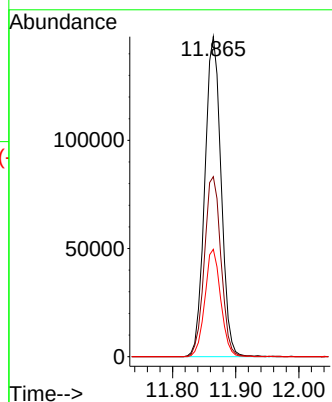
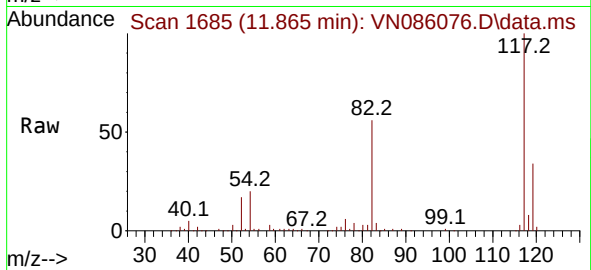




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

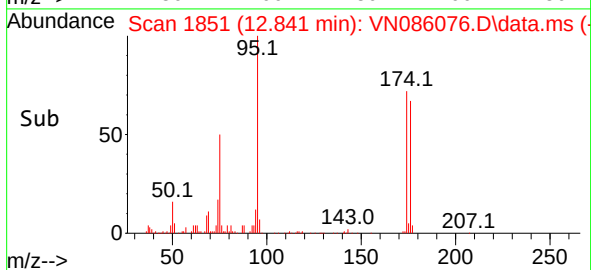
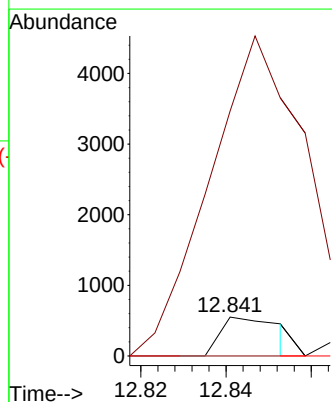
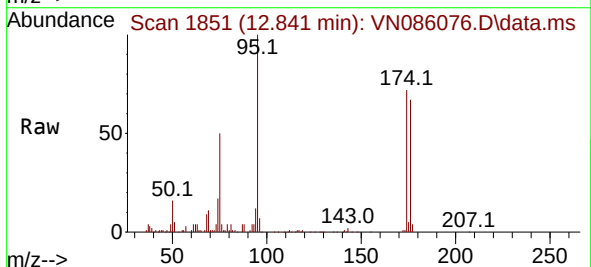
Instrument :
MSVOA_N
ClientSampleId :
CHRT28607

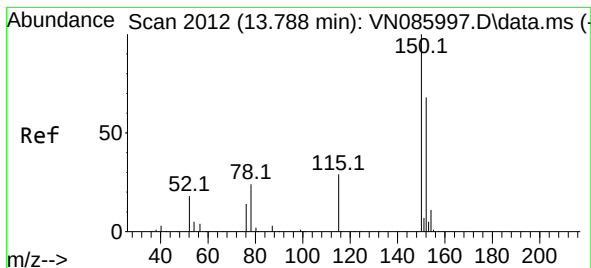
Tgt Ion:117 Resp: 265191
Ion Ratio Lower Upper
117 100
82 56.3 46.7 70.1
119 33.6 26.5 39.7



#71
Bromoform
Concen: 0.281 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.264 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

Tgt Ion:173 Resp: 530
Ion Ratio Lower Upper
173 100
175 1029.6 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN086076.D

Acq: 24 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

CHRT28607

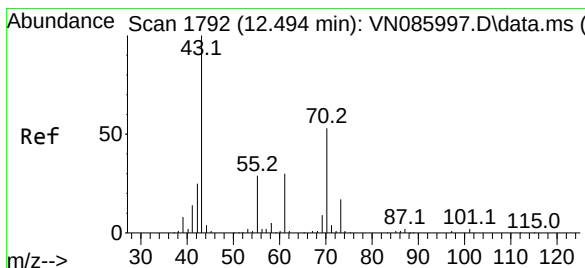
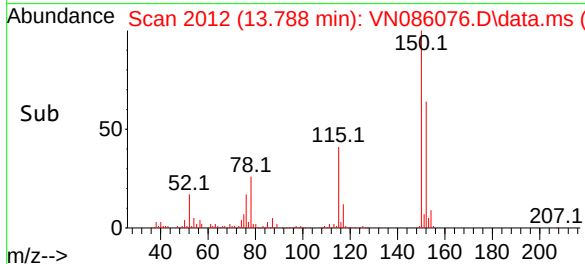
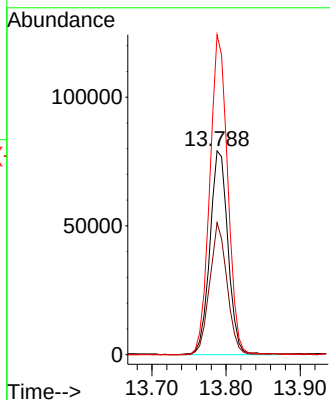
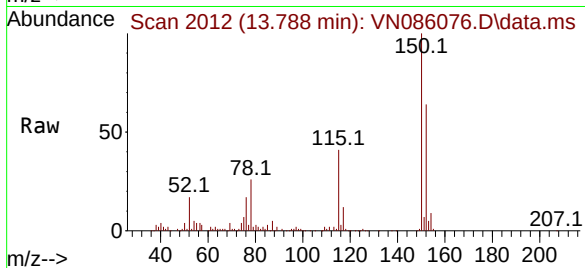
Tgt Ion:152 Resp: 134577

Ion Ratio Lower Upper

152 100

115 62.1 31.1 93.2

150 155.0 0.0 359.6



#74

N-ethyl acetate

Concen: 1.132 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN086076.D

Acq: 24 Mar 2025 16:49

Tgt Ion: 43 Resp: 3480

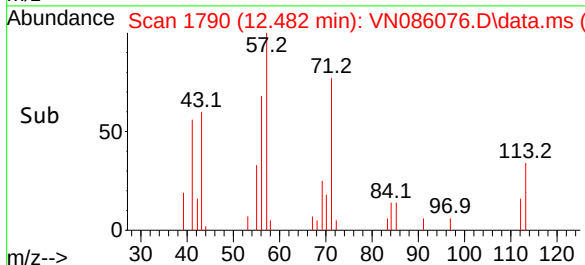
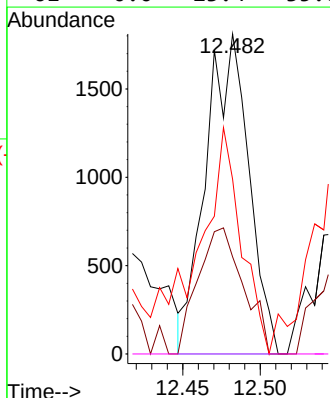
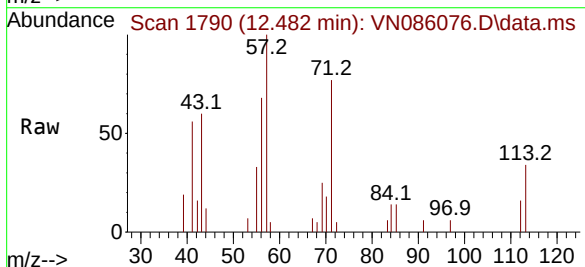
Ion Ratio Lower Upper

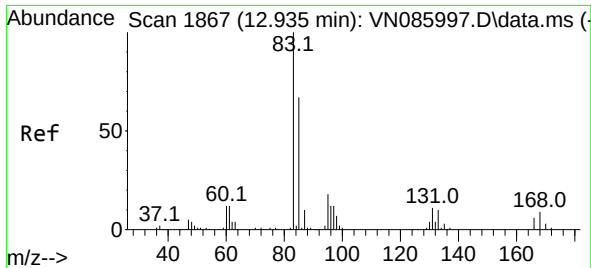
43 100

70 41.8 43.0 64.4#

55 71.5 23.8 35.8#

61 0.0 23.4 35.0#

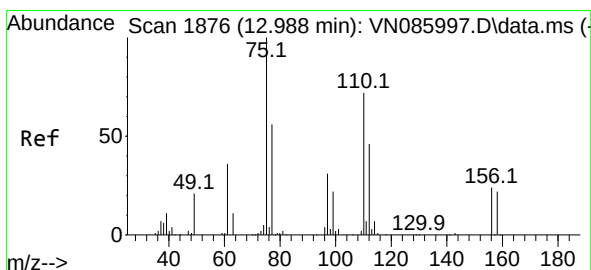
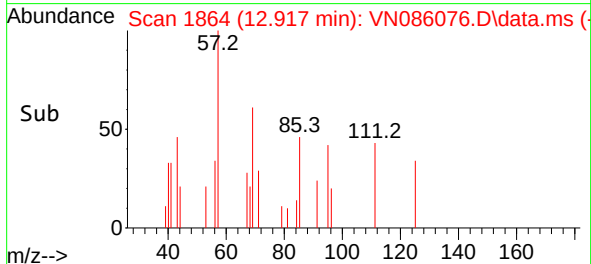
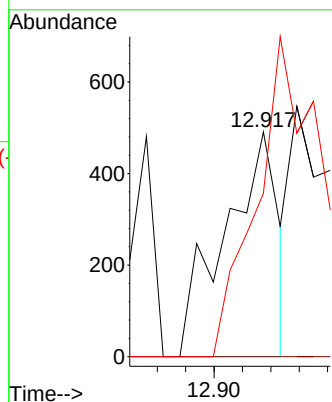
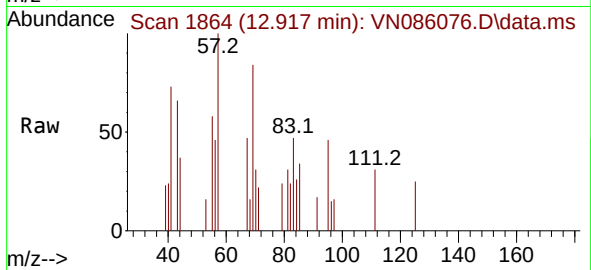




#75
1,1,2,2-Tetrachloroethane
Concen: 0.207 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.018 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

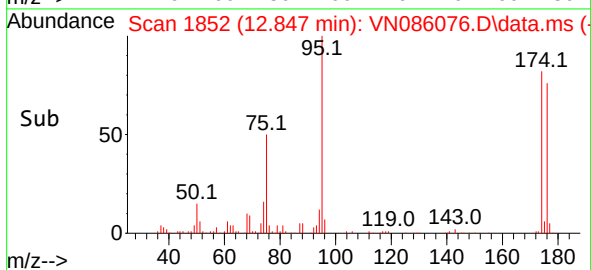
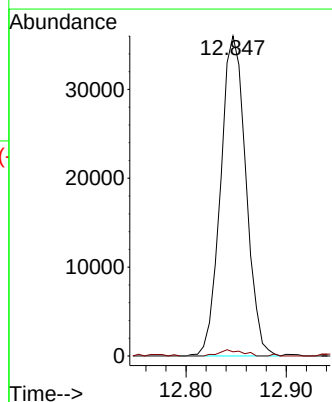
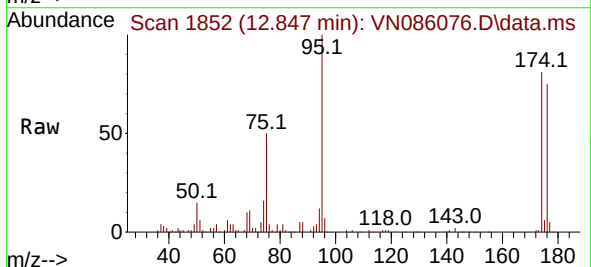
Instrument :
MSVOA_N
ClientSampleId :
CHRT28607

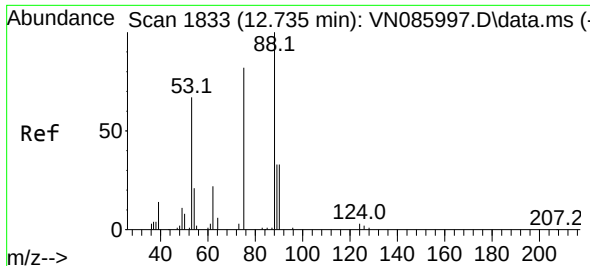
Tgt Ion: 83 Resp: 644
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 183.7 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 20.936 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

Tgt Ion: 75 Resp: 63079
Ion Ratio Lower Upper
75 100
77 1.8 83.7 251.0#

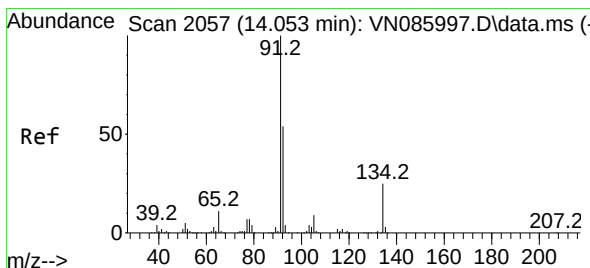
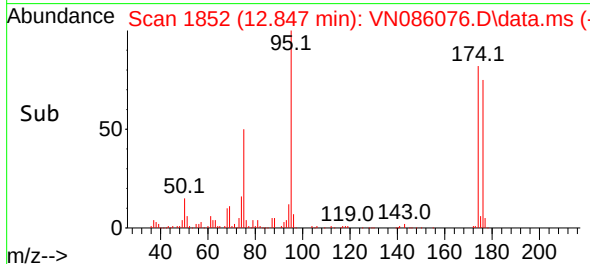
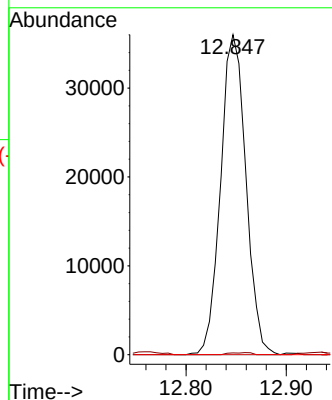
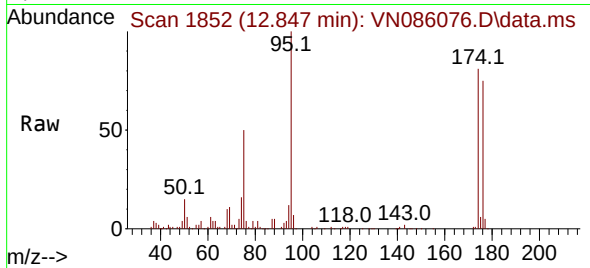




#81
trans-1,4-Dichloro-2-butene
Concen: 55.352 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

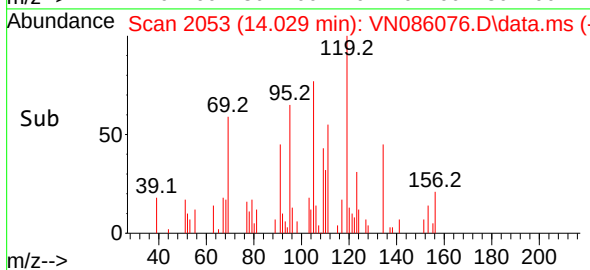
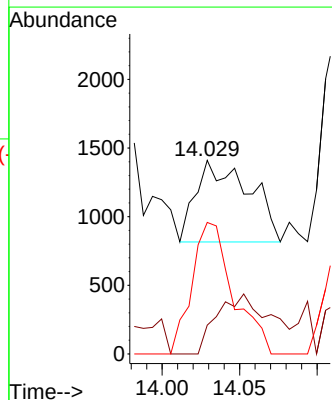
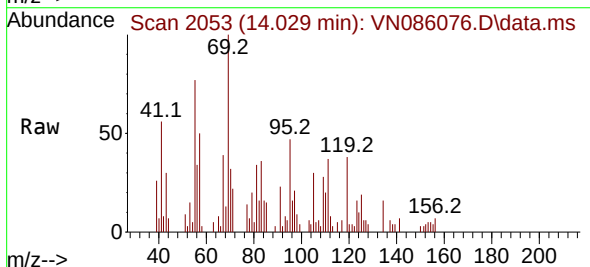
Instrument :
MSVOA_N
ClientSampleId :
CHRT28607

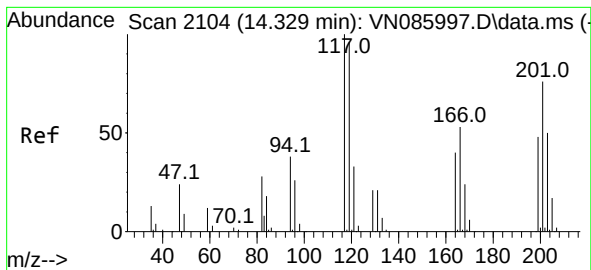
Tgt Ion: 75 Resp: 63079
Ion Ratio Lower Upper
75 100
53 0.6 66.0 99.0#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.236 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. -0.024 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

Tgt Ion: 91 Resp: 1407
Ion Ratio Lower Upper
91 100
92 0.0 26.9 80.6#
134 125.5 13.0 39.0#





#90

Hexachloroethane

Concen: 2.709 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.000 min

Lab File: VN086076.D

Acq: 24 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

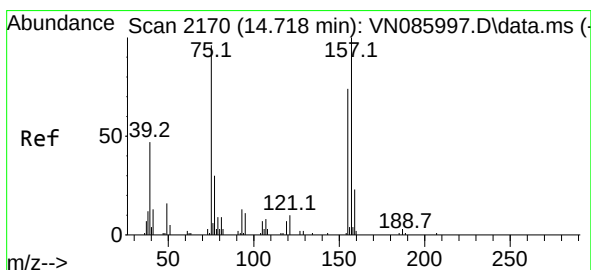
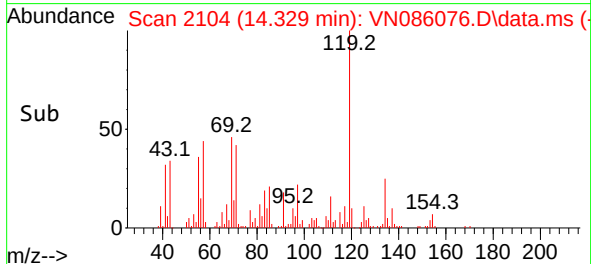
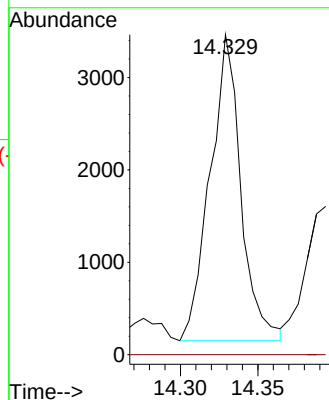
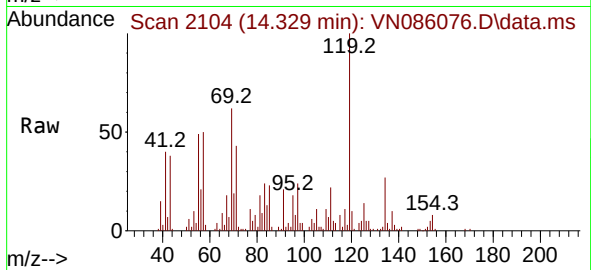
CHRT28607

Tgt Ion:117 Resp: 4580

Ion Ratio Lower Upper

117 100

201 0.0 39.1 117.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.334 ug/l

RT: 14.729 min Scan# 2172

Delta R.T. 0.012 min

Lab File: VN086076.D

Acq: 24 Mar 2025 16:49

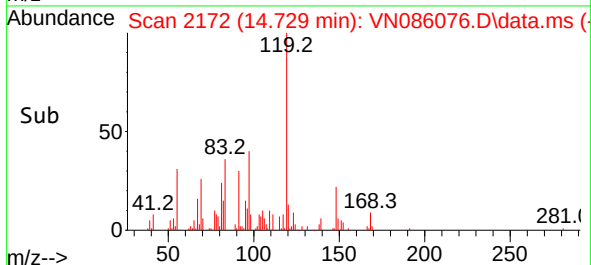
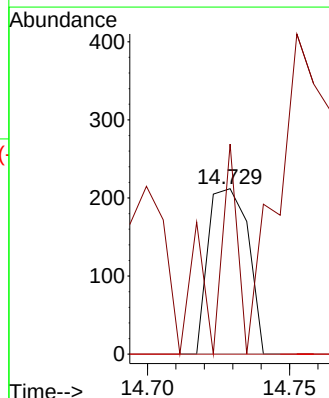
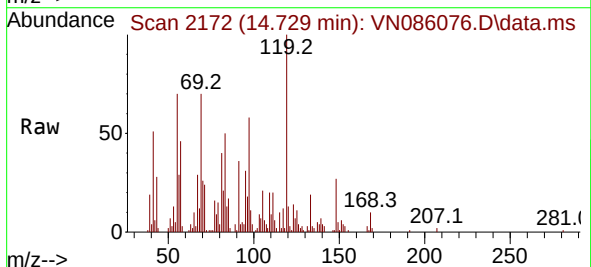
Tgt Ion: 75 Resp: 207

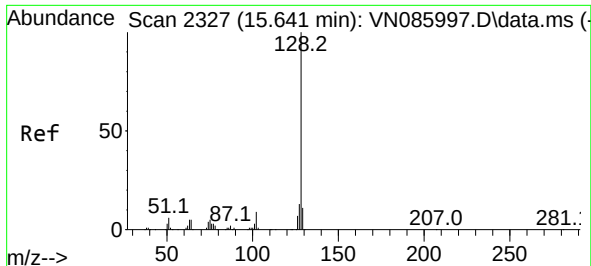
Ion Ratio Lower Upper

75 100

155 74.9 41.0 123.0

157 0.0 53.7 161.1#

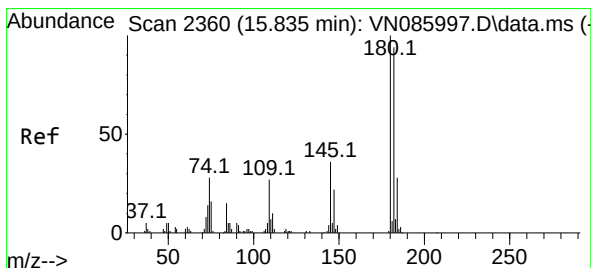
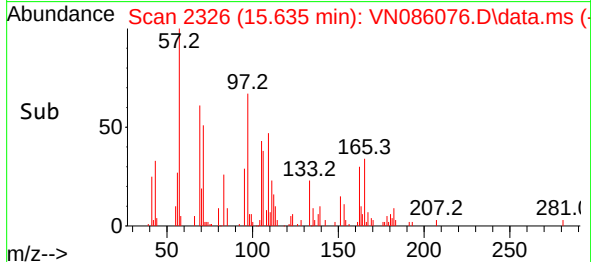
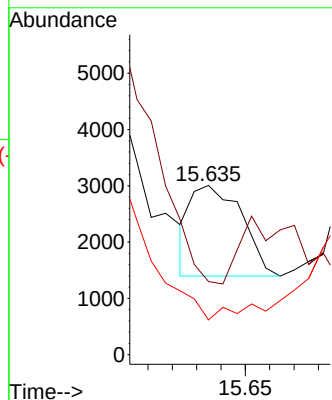
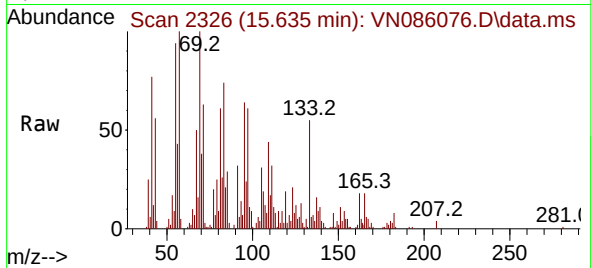




#95
Naphthalene
Concen: 0.352 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
CHRT28607

Tgt Ion:128 Resp: 2350
Ion Ratio Lower Upper
128 100
127 85.3 10.2 15.4#
129 0.0 9.0 13.6#



#96
1,2,3-Trichlorobenzene
Concen: 1.484 ug/l
RT: 15.864 min Scan# 2365
Delta R.T. 0.029 min
Lab File: VN086076.D
Acq: 24 Mar 2025 16:49

Tgt Ion:180 Resp: 3252
Ion Ratio Lower Upper
180 100
182 42.6 47.5 142.5#
145 0.0 17.7 53.1#

