

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
 Data File : VN086074.D
 Acq On : 24 Mar 2025 16:00
 Operator : JC\MD
 Sample : Q1606-01ME
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CHRT24743

Quant Time: Mar 25 01:25:44 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)

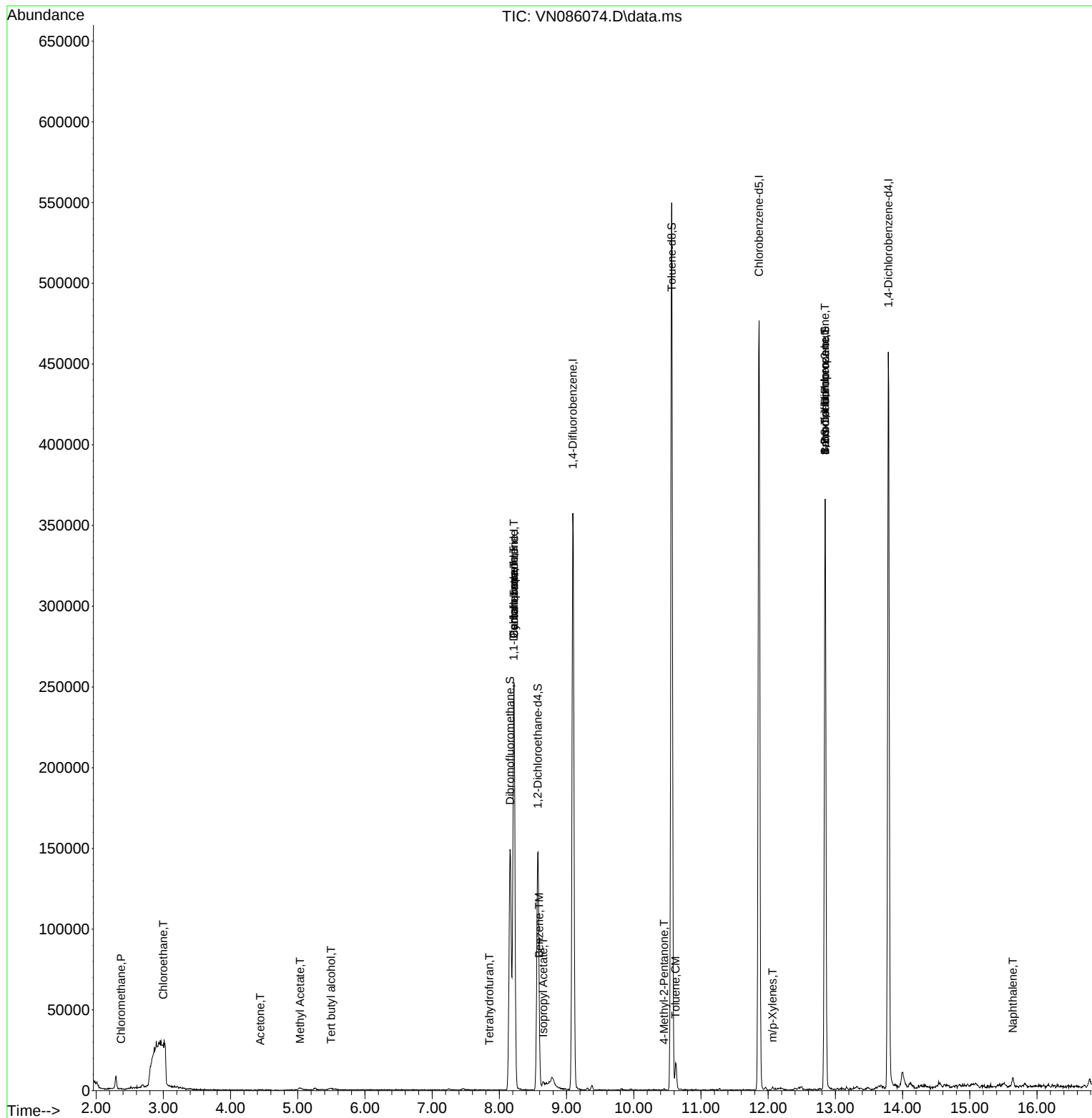
Internal Standards						
1) Pentafluorobenzene	8.218	168	179529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	317972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	124258	50.545	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.100%			
35) Dibromofluoromethane	8.159	113	107680	48.518	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.040%			
50) Toluene-d8	10.565	98	387439	48.100	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.200%			
62) 4-Bromofluorobenzene	12.847	95	133669	46.532	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.060%			
Target Compounds					Qvalue	
3) Chloromethane	2.371	50	429	0.206	ug/l #	42
6) Chloroethane	3.001	64	572	0.425	ug/l #	39
11) Tert butyl alcohol	5.495	59	644	1.850	ug/l #	73
16) Acetone	4.442	43	197	0.262	ug/l #	38
18) Methyl Acetate	5.036	43	2209	1.189	ug/l #	74
29) Tetrahydrofuran	7.853	42	192	0.287	ug/l #	24
31) Cyclohexane	8.218	56	3309	1.080	ug/l #	1
36) 1,1-Dichloropropene	8.212	75	14372	4.918	ug/l #	50
38) Carbon Tetrachloride	8.218	117	19496	5.074	ug/l #	15
40) Benzene	8.594	78	3613	0.394	ug/l	97
43) Isopropyl Acetate	8.653	43	3601	0.674	ug/l #	50
51) 4-Methyl-2-Pentanone	10.453	43	657	0.279	ug/l #	65
52) Toluene	10.624	92	6326	1.123	ug/l	92
68) m/p-Xylenes	12.065	106	855	0.202	ug/l	91
71) Bromoform	12.847	173	667	0.319	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	65559	22.906	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65559	60.560	ug/l #	16
95) Naphthalene	15.641	128	6540	1.030	ug/l #	87

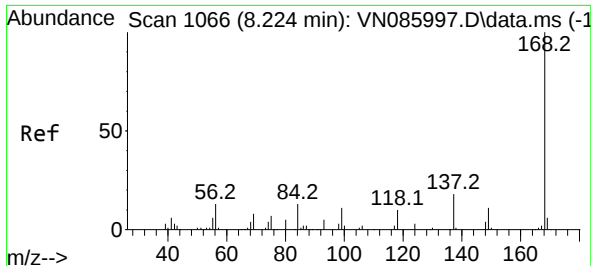
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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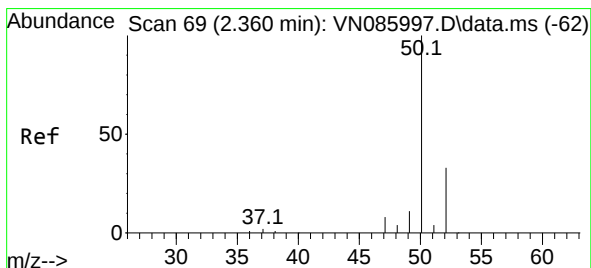
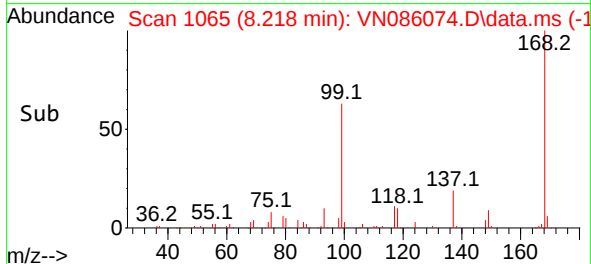
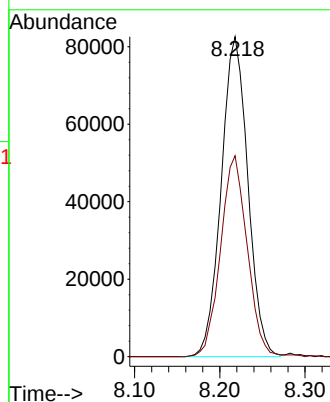
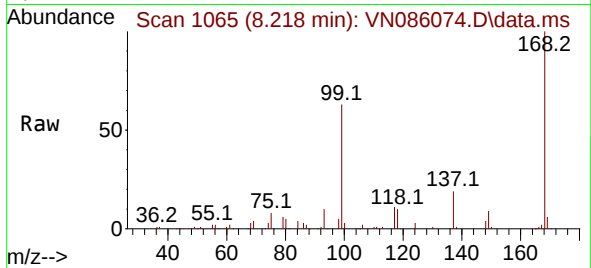




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086074.D
Acq: 24 Mar 2025 16:00

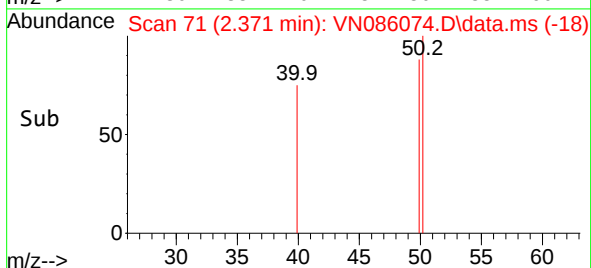
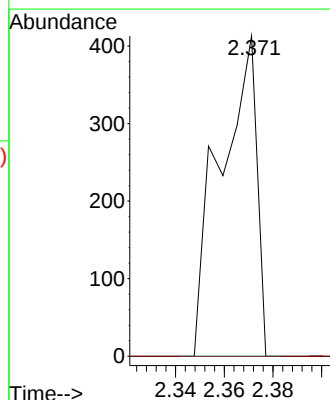
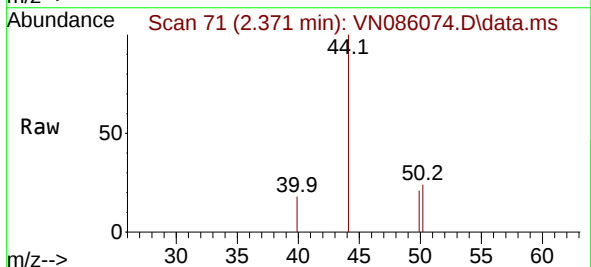
Instrument :
MSVOA_N
ClientSampleId :
CHRT24743

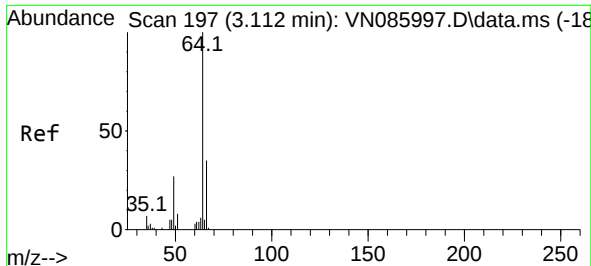
Tgt Ion:168 Resp: 179529
Ion Ratio Lower Upper
168 100
99 62.8 49.4 74.2



#3
Chloromethane
Concen: 0.206 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN086074.D
Acq: 24 Mar 2025 16:00

Tgt Ion: 50 Resp: 429
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

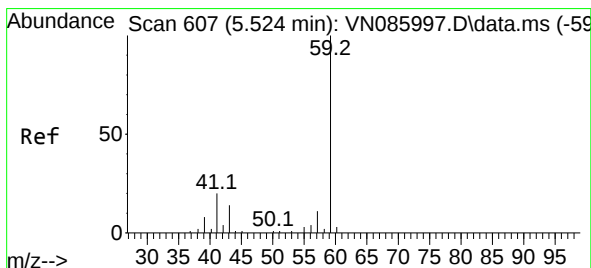
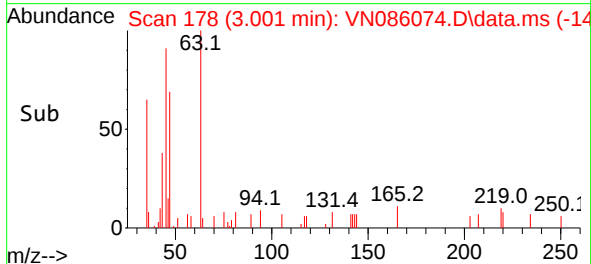
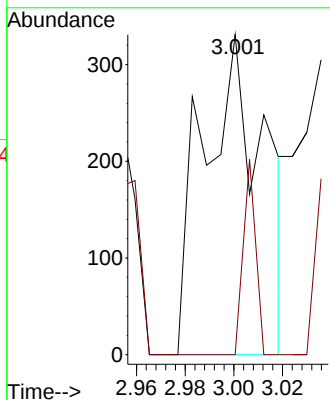
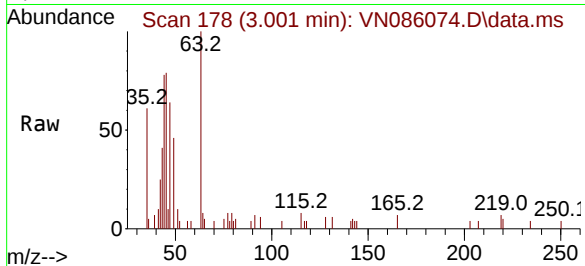




#6
Chloroethane
Concen: 0.425 ug/l
RT: 3.001 min Scan# 11
Delta R.T. -0.112 min
Lab File: VN086074.D
Acq: 24 Mar 2025 16:00

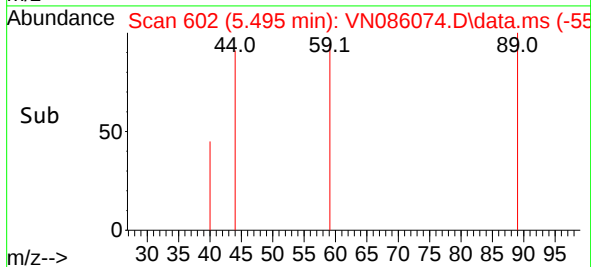
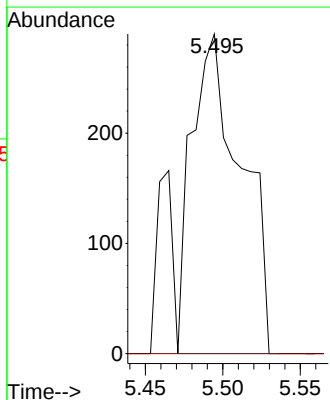
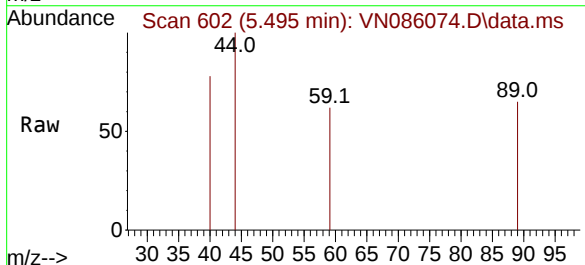
Instrument :
MSVOA_N
ClientSampleId :
CHRT24743

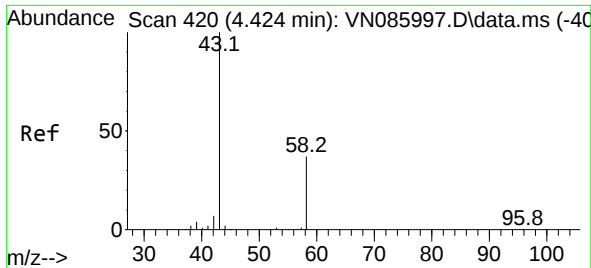
Tgt Ion: 64 Resp: 572
Ion Ratio Lower Upper
64 100
66 0.0 28.3 42.5#



#11
Tert butyl alcohol
Concen: 1.850 ug/l
RT: 5.495 min Scan# 602
Delta R.T. -0.030 min
Lab File: VN086074.D
Acq: 24 Mar 2025 16:00

Tgt Ion: 59 Resp: 644
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#16

Acetone

Concen: 0.262 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN086074.D

Acq: 24 Mar 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

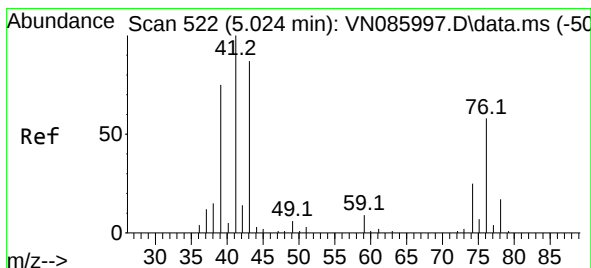
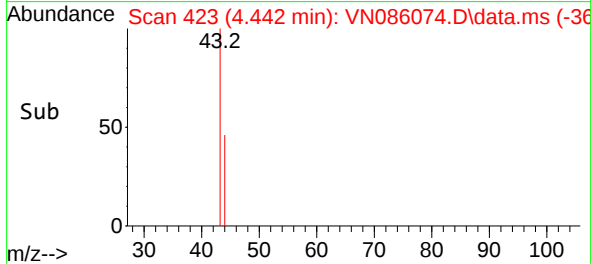
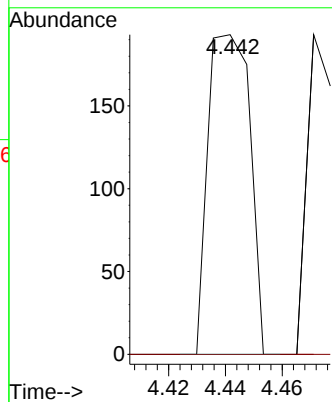
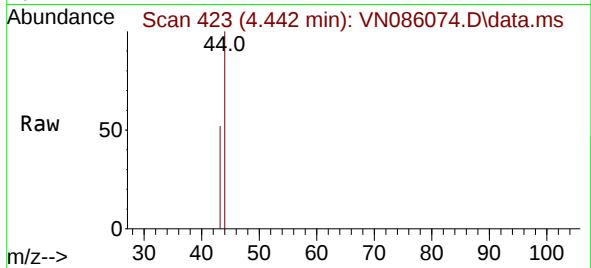
CHRT24743

Tgt Ion: 43 Resp: 197

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.2#



#18

Methyl Acetate

Concen: 1.189 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.012 min

Lab File: VN086074.D

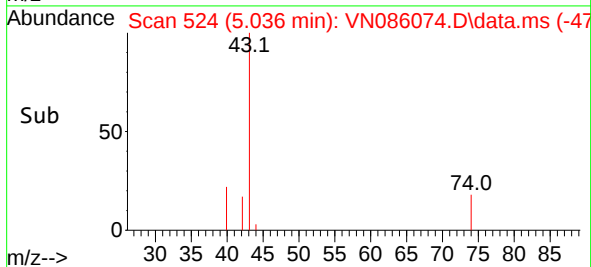
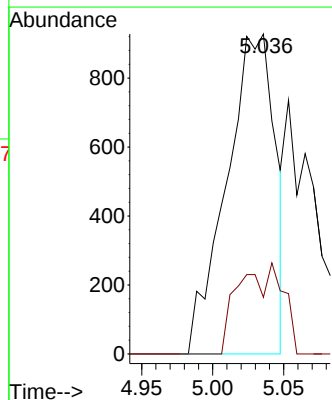
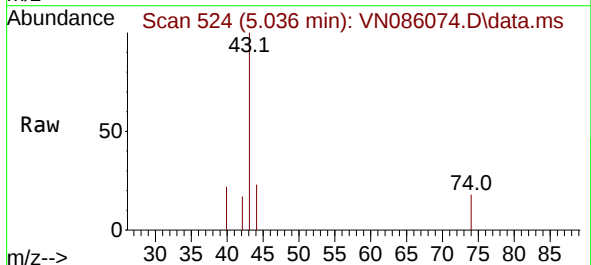
Acq: 24 Mar 2025 16:00

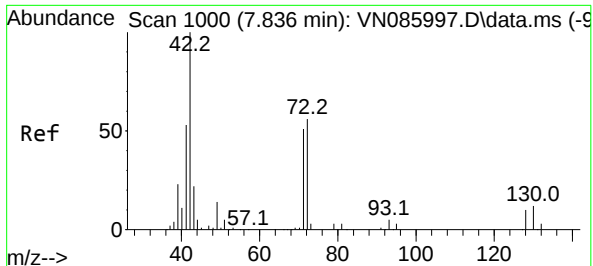
Tgt Ion: 43 Resp: 2209

Ion Ratio Lower Upper

43 100

74 15.9 23.9 35.9#





#29

Tetrahydrofuran

Concen: 0.287 ug/l

RT: 7.853 min Scan# 1065

Delta R.T. 0.018 min

Lab File: VN086074.D

Acq: 24 Mar 2025 16:00

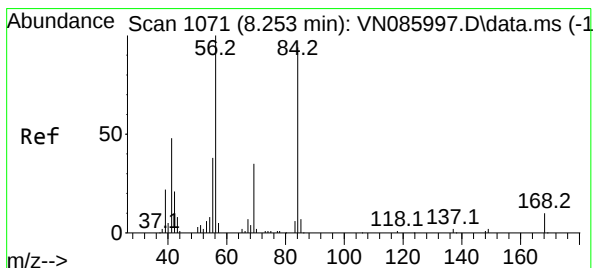
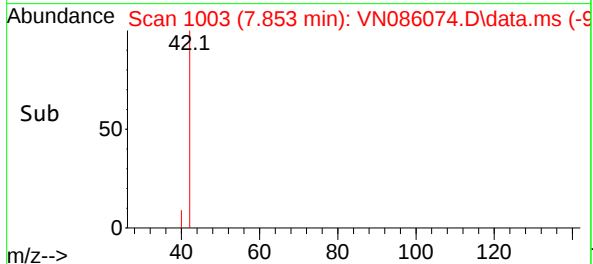
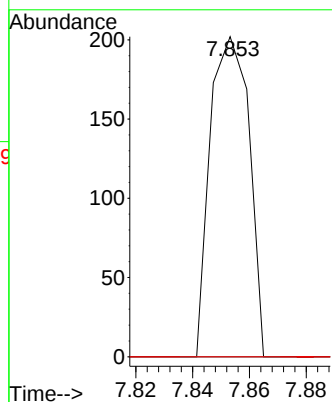
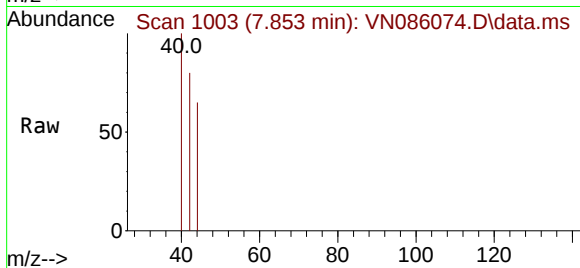
Instrument :

MSVOA_N

ClientSampleId :

CHRT24743

Tgt Ion:	42	Resp:	192
Ion	Ratio	Lower	Upper
42	100		
72	0.0	45.0	67.4#
71	0.0	41.9	62.9#



#31

Cyclohexane

Concen: 1.080 ug/l

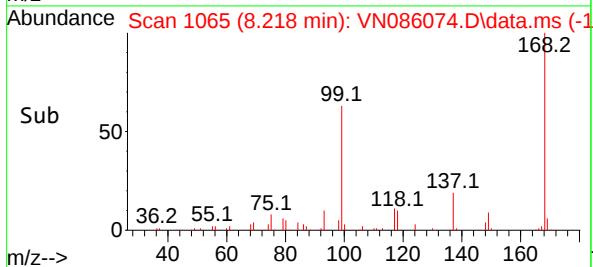
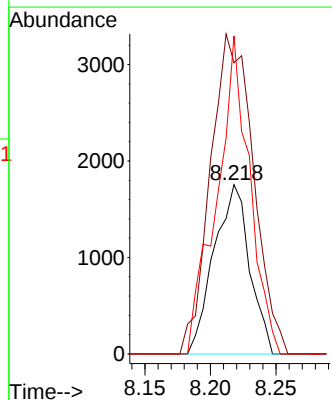
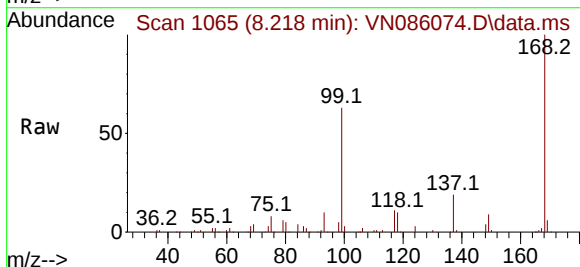
RT: 8.218 min Scan# 1065

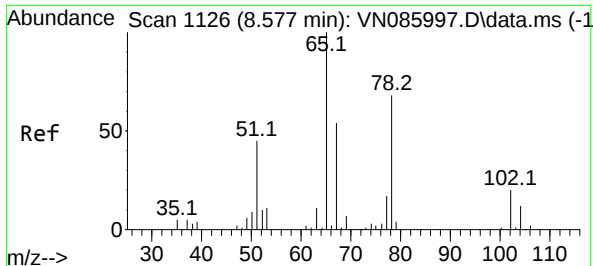
Delta R.T. -0.035 min

Lab File: VN086074.D

Acq: 24 Mar 2025 16:00

Tgt Ion:	56	Resp:	3309
Ion	Ratio	Lower	Upper
56	100		
69	172.0	28.0	42.0#
84	187.9	75.0	112.6#





#33

1,2-Dichloroethane-d4

Concen: 50.545 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086074.D

Acq: 24 Mar 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

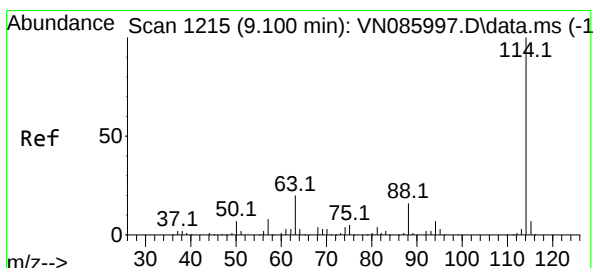
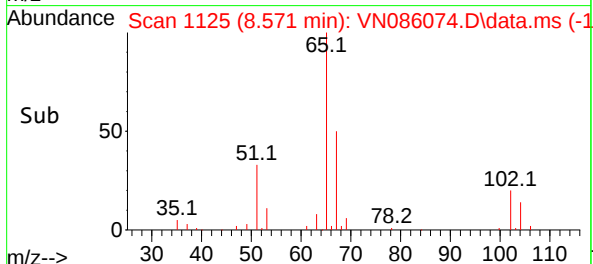
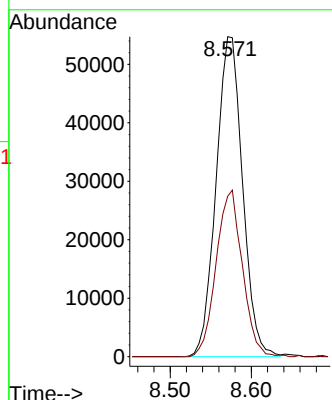
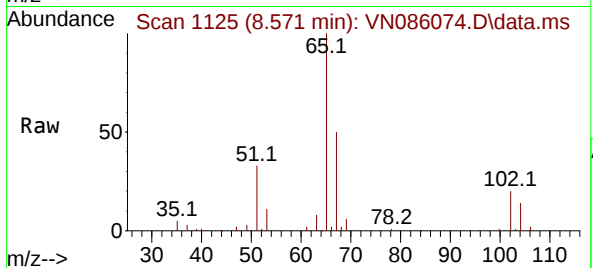
CHRT24743

Tgt Ion: 65 Resp: 124258

Ion Ratio Lower Upper

65 100

67 51.6 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: VN086074.D

Acq: 24 Mar 2025 16:00

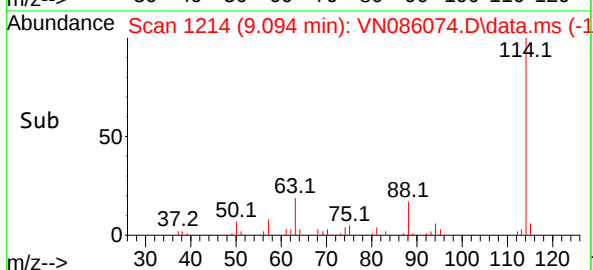
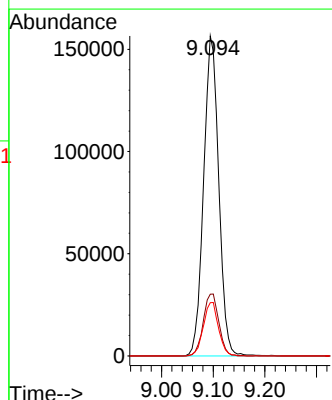
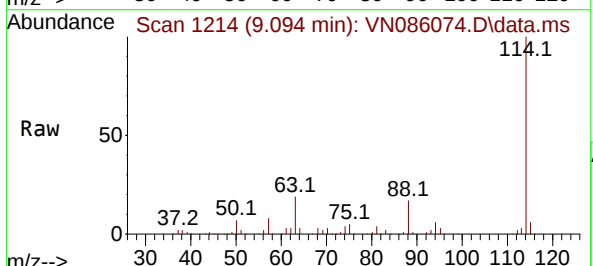
Tgt Ion: 114 Resp: 317972

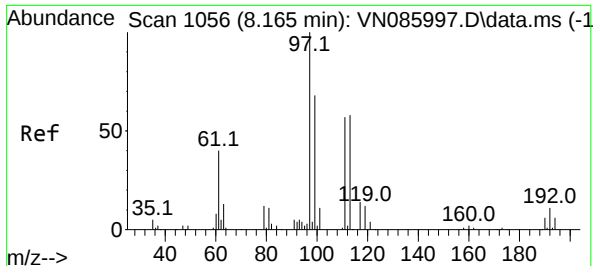
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

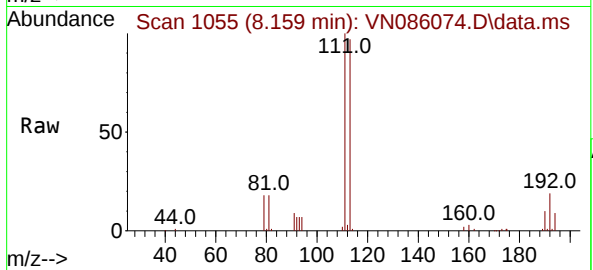
88 16.7 0.0 32.6



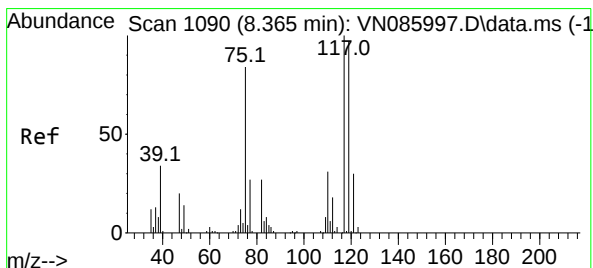
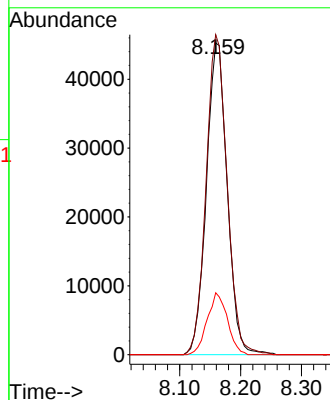
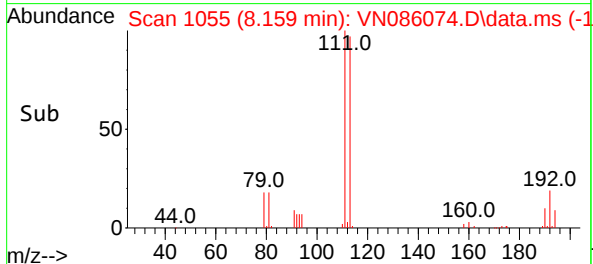


#35
Dibromofluoromethane
Concen: 48.518 ug/l
RT: 8.159 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VN086074.D
Acq: 24 Mar 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
CHRT24743

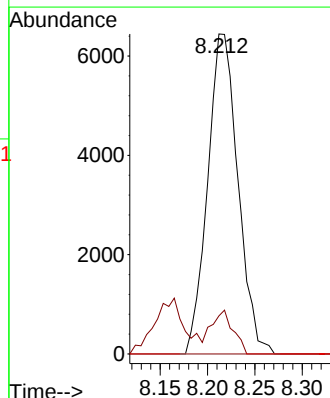
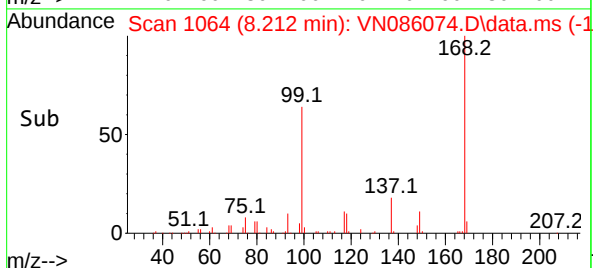
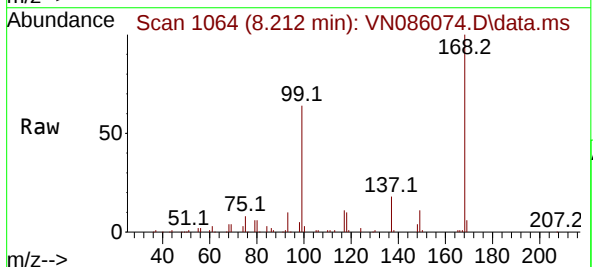


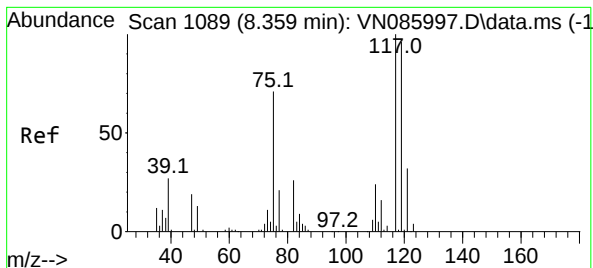
Tgt Ion:113 Resp: 107680
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.8
192 19.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.918 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.153 min
Lab File: VN086074.D
Acq: 24 Mar 2025 16:00

Tgt Ion: 75 Resp: 14372
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.074 ug/l

RT: 8.218 min Scan# 1109

Delta R.T. -0.141 min

Lab File: VN086074.D

Acq: 24 Mar 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

CHRT24743

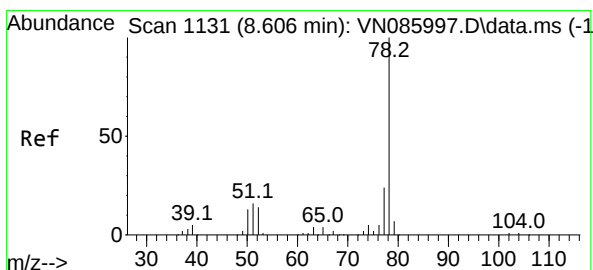
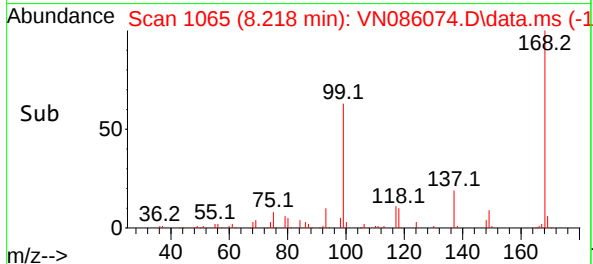
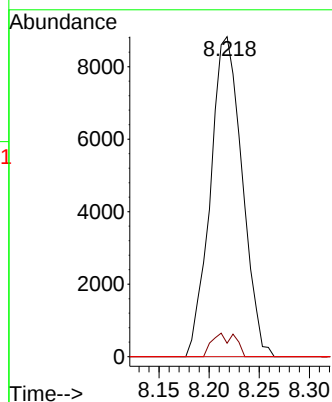
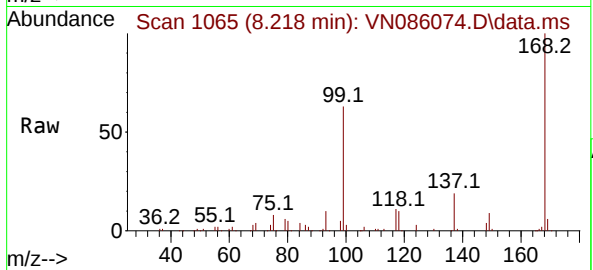
Tgt Ion:117 Resp: 19496

Ion Ratio Lower Upper

117 100

119 4.2 77.0 115.4#

121 0.0 25.6 38.4#



#40

Benzene

Concen: 0.394 ug/l

RT: 8.594 min Scan# 1129

Delta R.T. -0.012 min

Lab File: VN086074.D

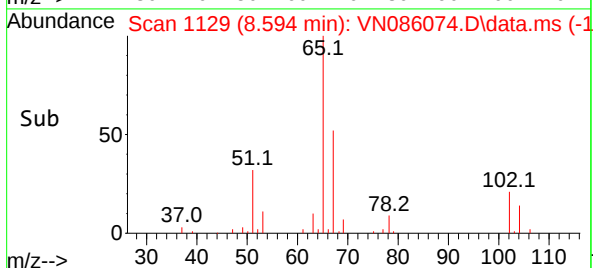
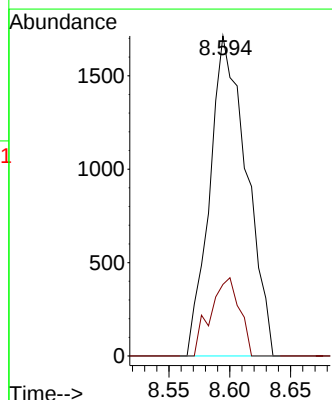
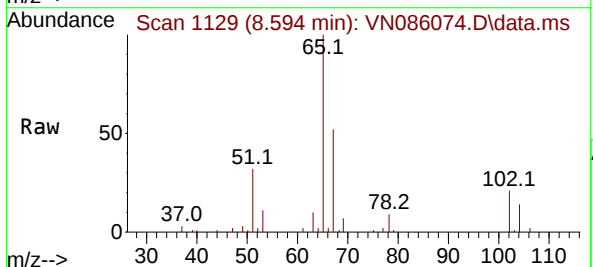
Acq: 24 Mar 2025 16:00

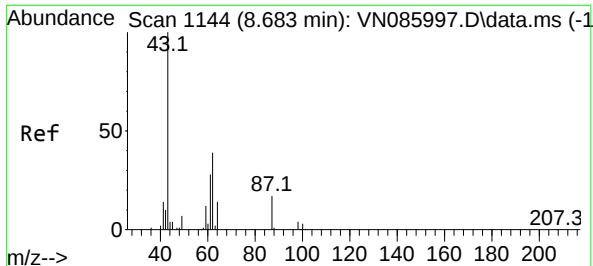
Tgt Ion: 78 Resp: 3613

Ion Ratio Lower Upper

78 100

77 22.4 18.9 28.3





#43

Isopropyl Acetate

Concen: 0.674 ug/l

RT: 8.653 min Scan# 1144

Delta R.T. -0.030 min

Lab File: VN086074.D

Acq: 24 Mar 2025 16:00

Instrument :

MSVOA_N

ClientSampleId :

CHRT24743

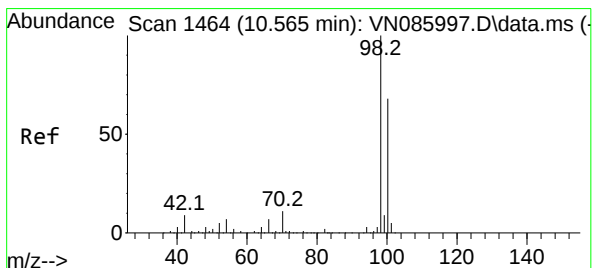
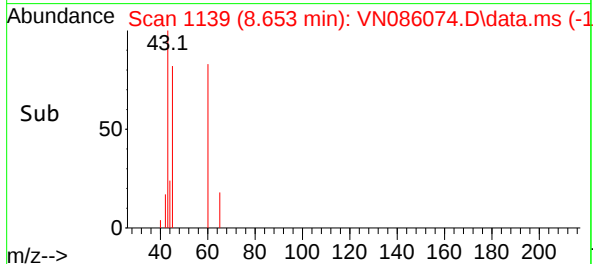
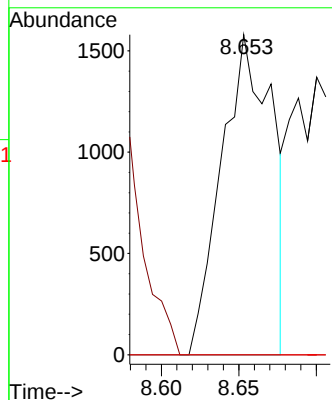
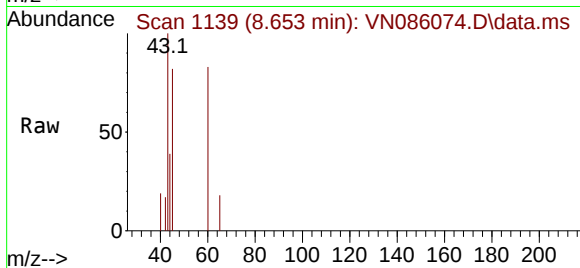
Tgt Ion: 43 Resp: 3601

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

87 0.0 13.0 19.4#



#50

Toluene-d8

Concen: 48.100 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086074.D

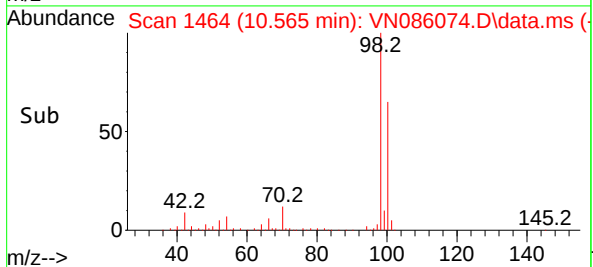
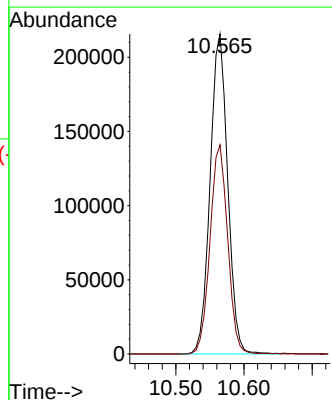
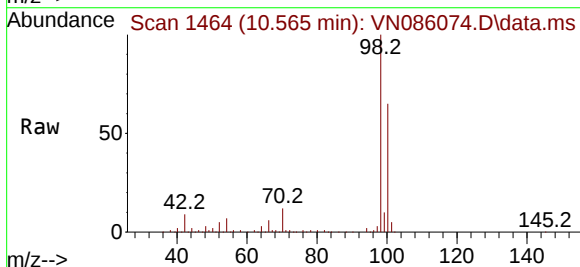
Acq: 24 Mar 2025 16:00

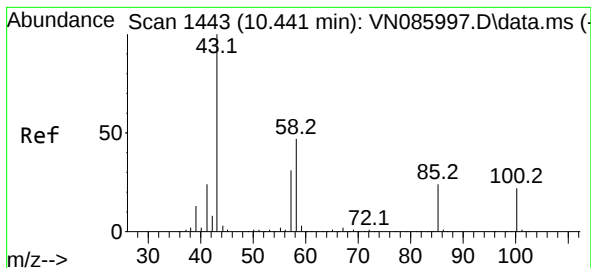
Tgt Ion: 98 Resp: 387439

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7

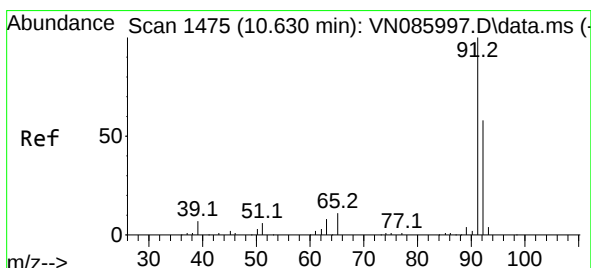
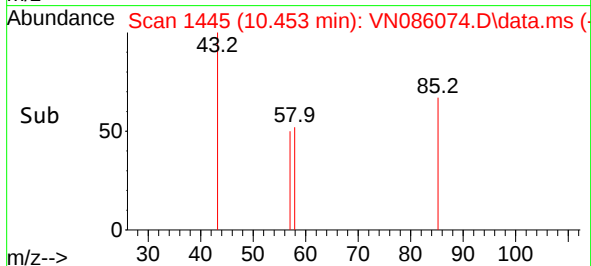
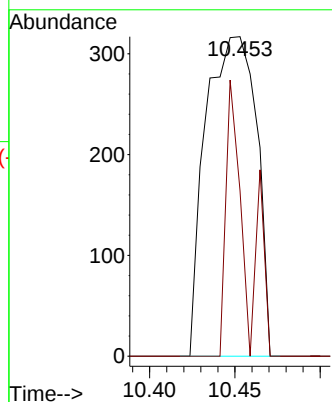
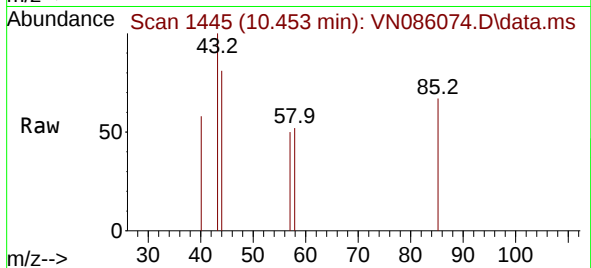




#51
4-Methyl-2-Pentanone
Concen: 0.279 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.012 min
Lab File: VN086074.D
Acq: 24 Mar 2025 16:00

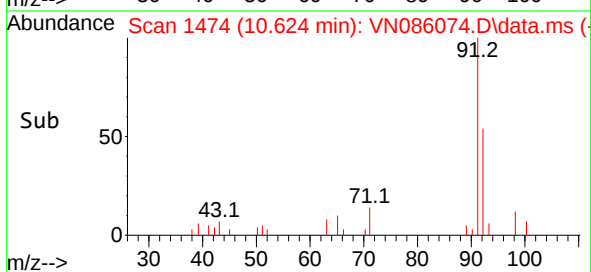
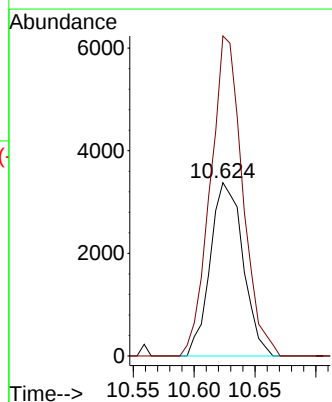
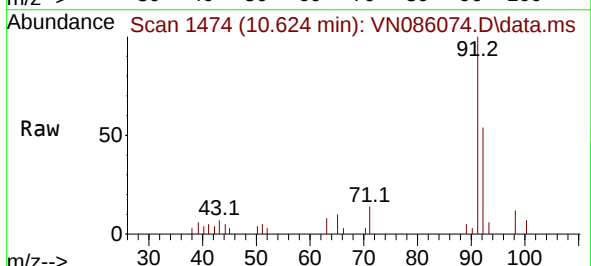
Instrument :
MSVOA_N
ClientSampleId :
CHRT24743

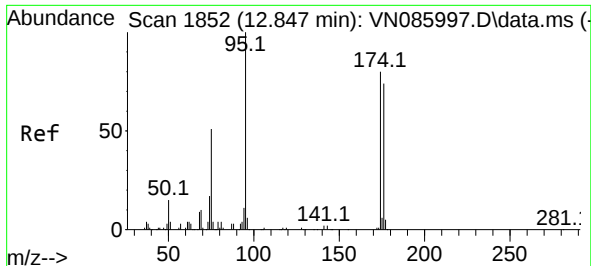
Tgt Ion: 43 Resp: 657
Ion Ratio Lower Upper
43 100
58 23.6 37.4 56.0#



#52
Toluene
Concen: 1.123 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086074.D
Acq: 24 Mar 2025 16:00

Tgt Ion: 92 Resp: 6326
Ion Ratio Lower Upper
92 100
91 181.5 136.2 204.4

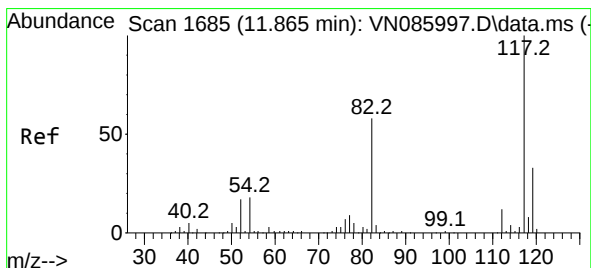
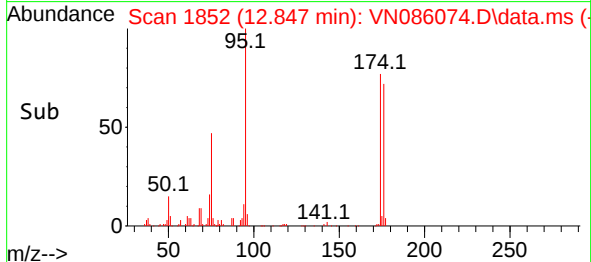
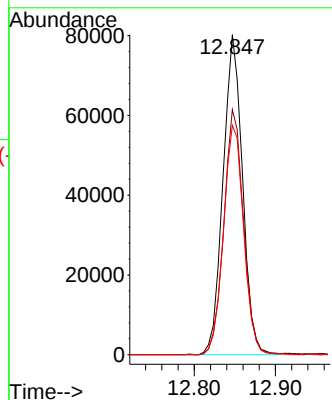
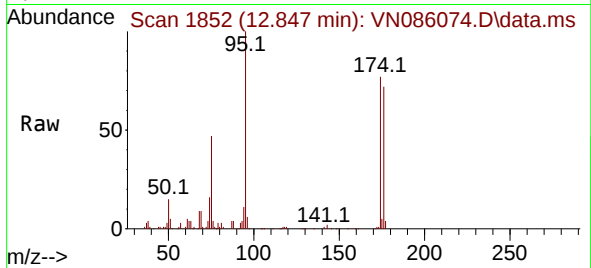




#62
4-Bromofluorobenzene
Concen: 46.532 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086074.D
Acq: 24 Mar 2025 16:00

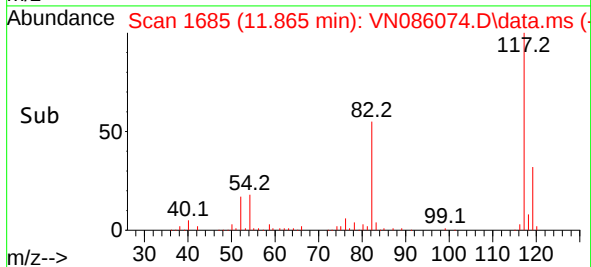
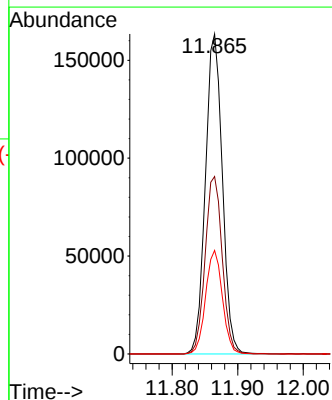
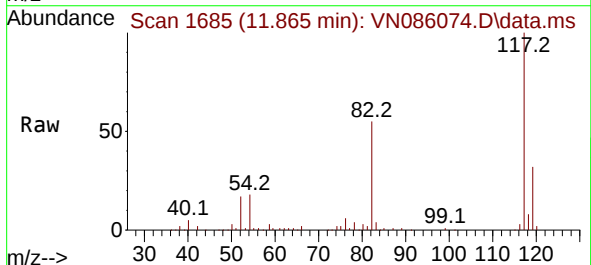
Instrument :
MSVOA_N
ClientSampleId :
CHRT24743

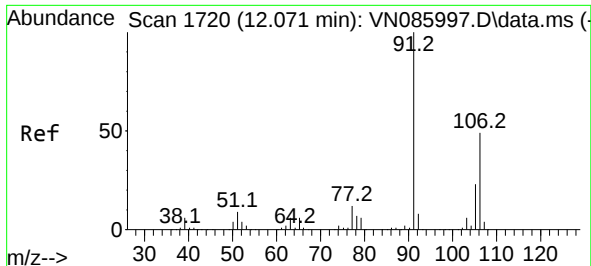
Tgt Ion: 95 Resp: 133669
Ion Ratio Lower Upper
95 100
174 77.7 0.0 156.8
176 74.2 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086074.D
Acq: 24 Mar 2025 16:00

Tgt Ion: 117 Resp: 293686
Ion Ratio Lower Upper
117 100
82 55.5 46.7 70.1
119 32.3 26.5 39.7

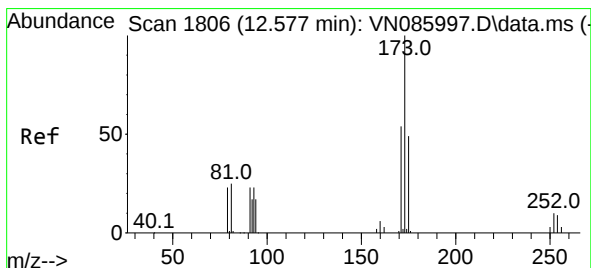
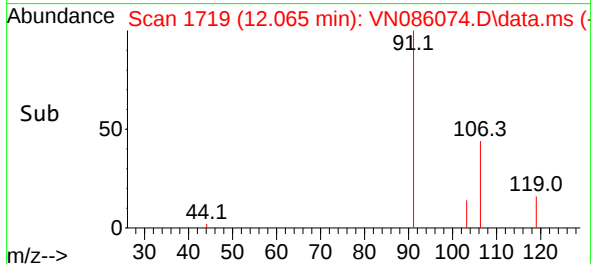
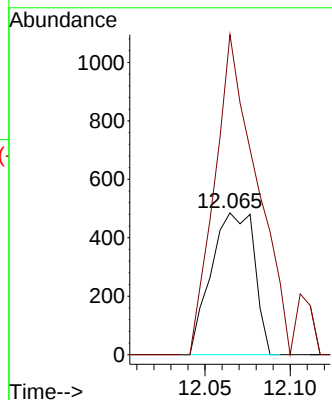
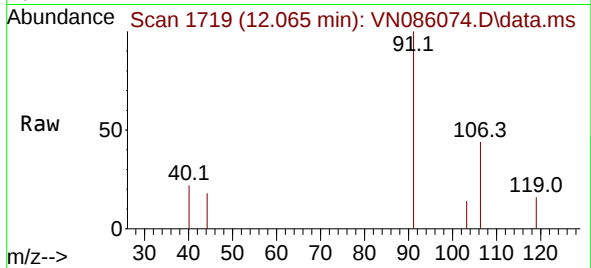




#68
m/p-Xylenes
Concen: 0.202 ug/l
RT: 12.065 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086074.D
Acq: 24 Mar 2025 16:00

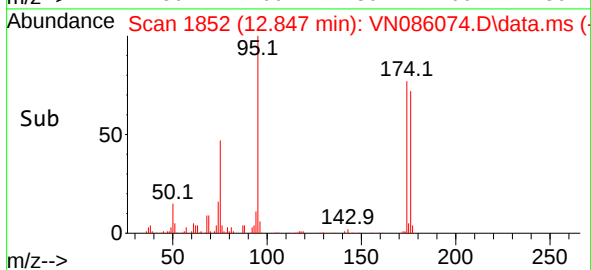
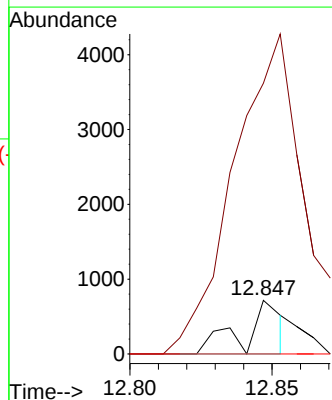
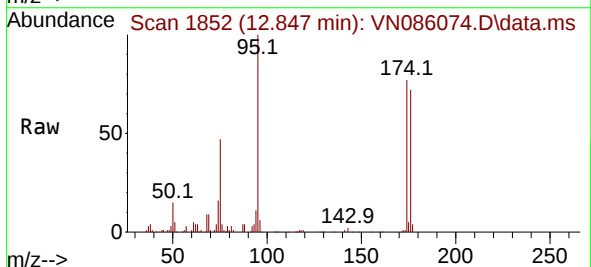
Instrument :
MSVOA_N
ClientSampleId :
CHRT24743

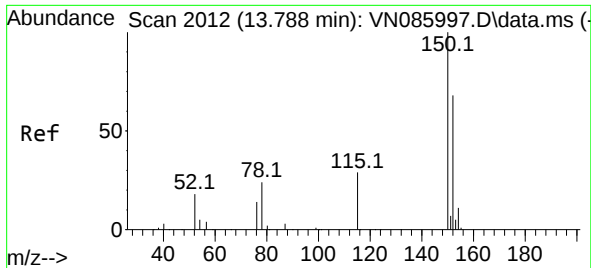
Tgt Ion:106 Resp: 855
Ion Ratio Lower Upper
106 100
91 218.8 163.9 245.9



#71
Bromoform
Concen: 0.319 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN086074.D
Acq: 24 Mar 2025 16:00

Tgt Ion:173 Resp: 667
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

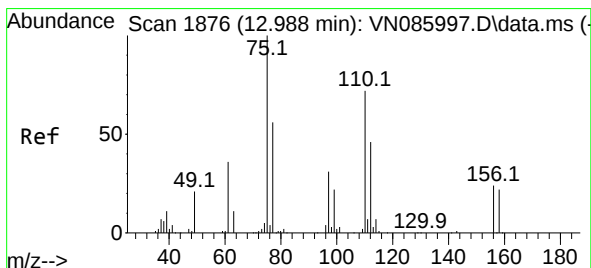
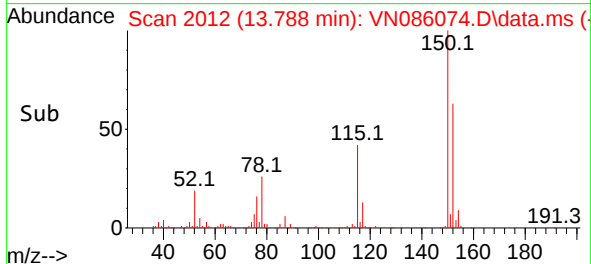
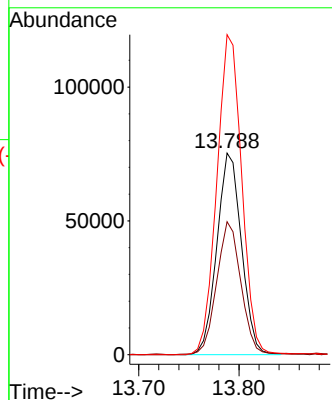
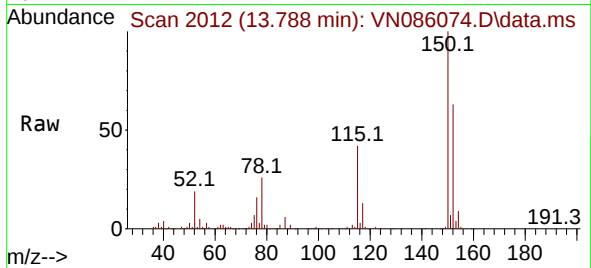




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086074.D
 Acq: 24 Mar 2025 16:00

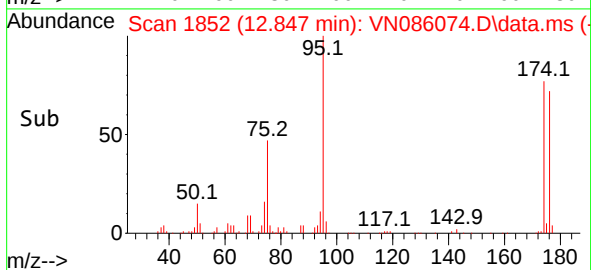
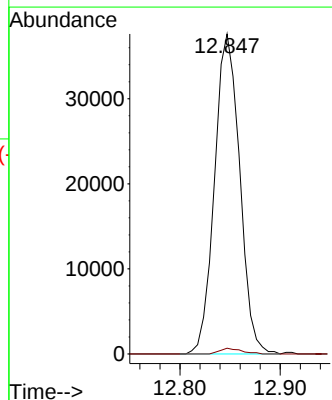
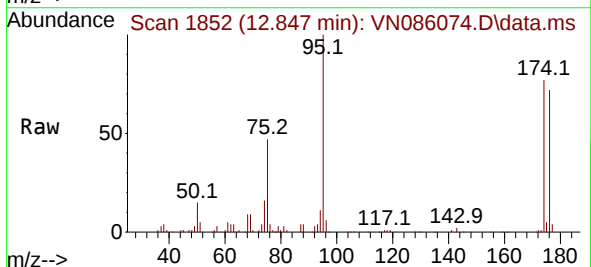
Instrument :
 MSVOA_N
 ClientSampleId :
 CHRT24743

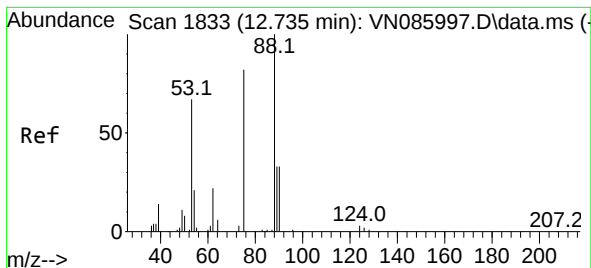
Tgt Ion:152 Resp: 127839
 Ion Ratio Lower Upper
 152 100
 115 65.2 31.1 93.2
 150 161.8 0.0 359.6



#76
 1,2,3-Trichloropropane
 Concen: 22.906 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086074.D
 Acq: 24 Mar 2025 16:00

Tgt Ion: 75 Resp: 65559
 Ion Ratio Lower Upper
 75 100
 77 1.5 83.7 251.0#

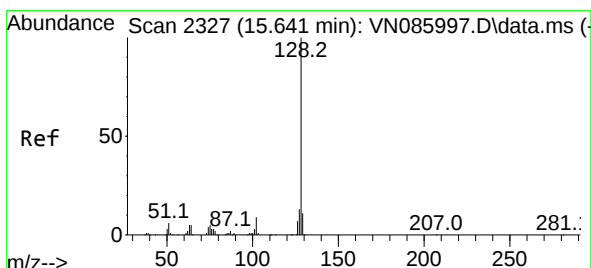
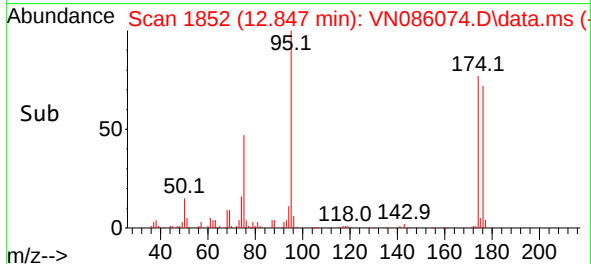
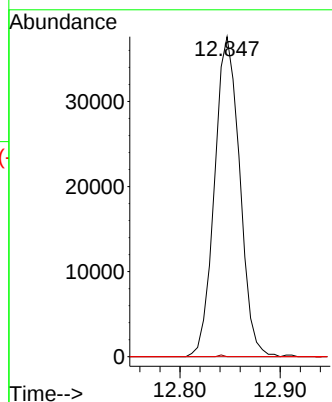
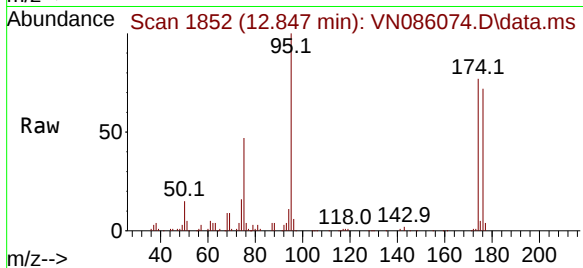




#81
trans-1,4-Dichloro-2-butene
Concen: 60.560 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086074.D
Acq: 24 Mar 2025 16:00

Instrument :
MSVOA_N
ClientSampleId :
CHRT24743

Tgt Ion: 75 Resp: 65559
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 1.030 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086074.D
Acq: 24 Mar 2025 16:00

Tgt Ion: 128 Resp: 6540
Ion Ratio Lower Upper
128 100
127 10.5 10.2 15.4
129 19.2 9.0 13.6#

