

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041725\
 Data File : VN086326.D
 Acq On : 17 Apr 2025 16:54
 Operator : JC\MD
 Sample : Q1818-02DL 40X
 Misc : 1.05g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 18 01:32:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	206841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	390449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	360935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	161003	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143664	47.898	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.800%
35) Dibromofluoromethane	8.165	113	102355	56.483	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	112.960%
50) Toluene-d8	10.565	98	494725	51.082	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.160%
62) 4-Bromofluorobenzene	12.847	95	181003	51.240	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.480%

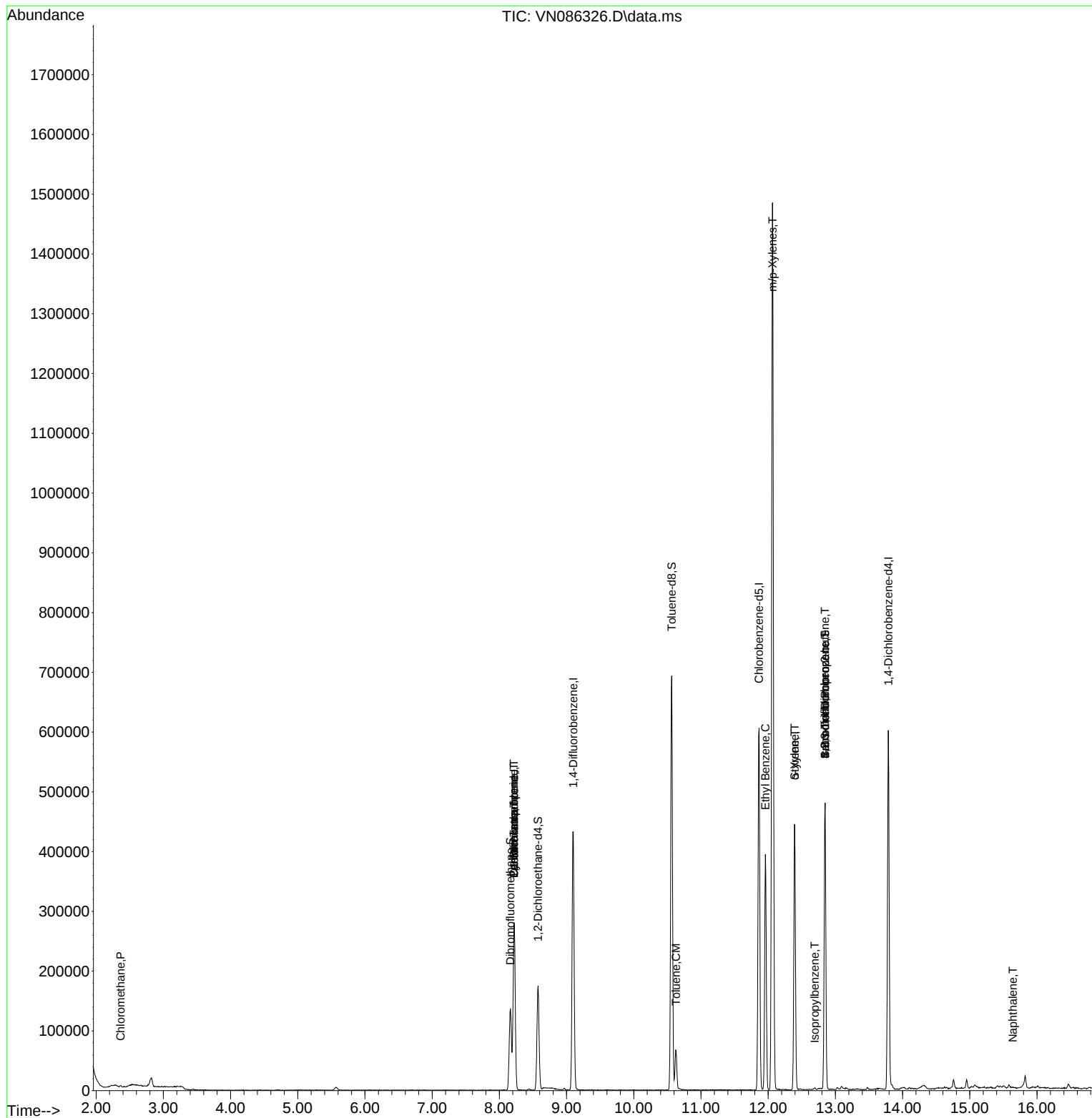
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	1693	0.475	ug/l	89
13) Acrolein	4.183	56	87	Below Cal	#	1
16) Acetone	4.447	43	897	Below Cal	#	43
31) Cyclohexane	8.218	56	4952	1.019	ug/l	# 1
36) 1,1-Dichloropropene	8.218	75	17587	4.859	ug/l	# 49
38) Carbon Tetrachloride	8.218	117	21095	6.120	ug/l	# 16
43) Isopropyl Acetate	8.653	43	2504	Below Cal	#	55
52) Toluene	10.629	92	29776	4.115	ug/l	100
67) Ethyl Benzene	11.959	91	294096	20.233	ug/l	100
68) m/p-Xylenes	12.065	106	475884	87.378	ug/l	99
69) o-Xylene	12.394	106	126552	23.496	ug/l	99
70) Styrene	12.394	104	6083	0.678	ug/l	# 1
71) Bromoform	12.847	173	706	0.353	ug/l	# 1
73) Isopropylbenzene	12.694	105	2686	0.204	ug/l	93
76) 1,2,3-Trichloropropane	12.847	75	90395	23.792	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	90395	57.139	ug/l	# 10
95) Naphthalene	15.641	128	1913	0.212	ug/l	# 79

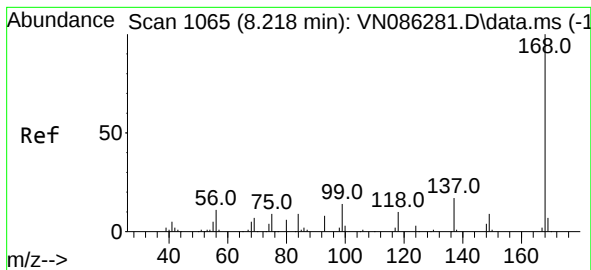
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :

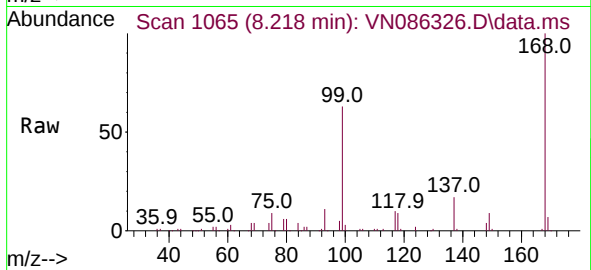
Quant Time: Apr 18 01:32:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
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Response via : Initial Calibration



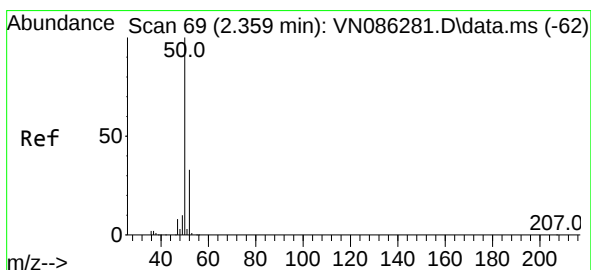
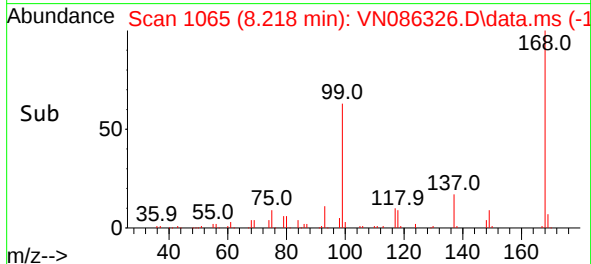
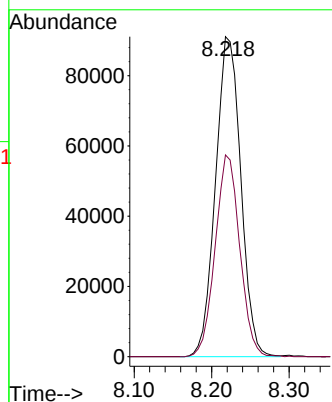


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

Instrument :
MSVOA_N
ClientSampleId :

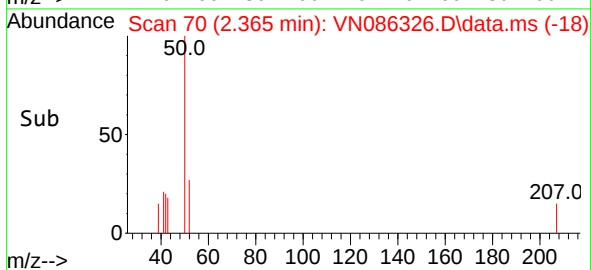
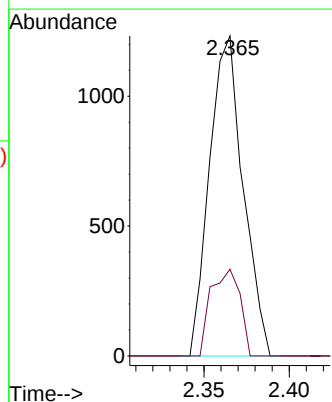
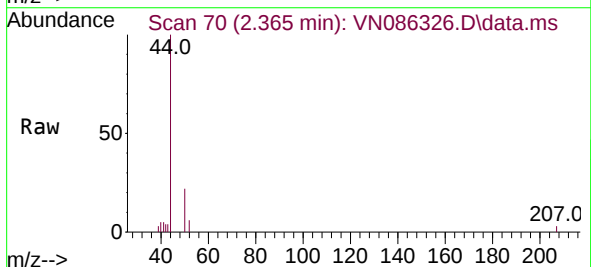


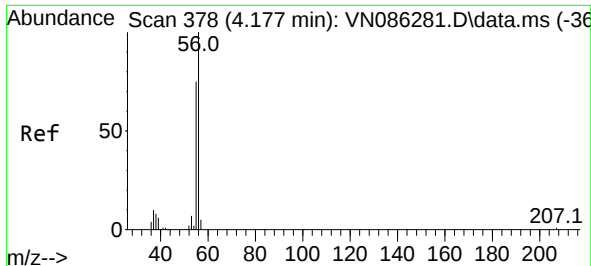
Tgt Ion:168 Resp: 206841
Ion Ratio Lower Upper
168 100
99 63.1 52.5 78.7



#3
Chloromethane
Concen: 0.475 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

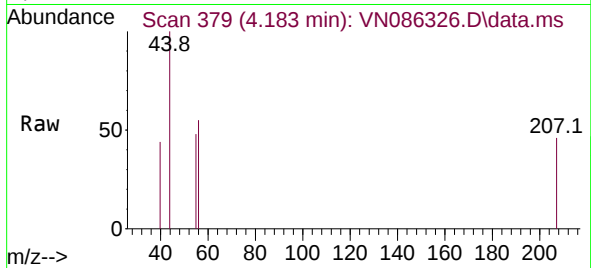
Tgt Ion: 50 Resp: 1693
Ion Ratio Lower Upper
50 100
52 27.1 26.5 39.7



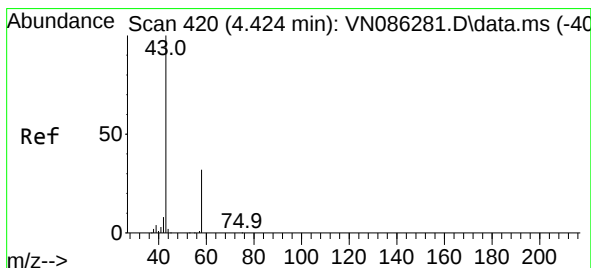
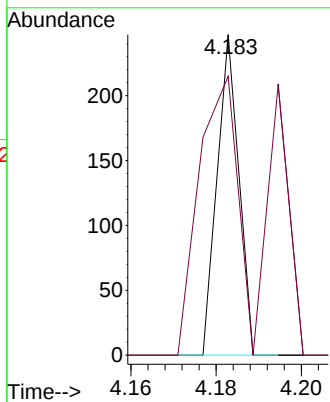
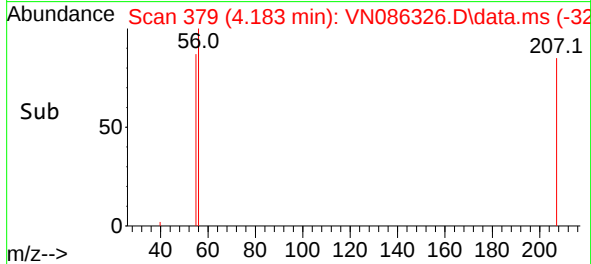


#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

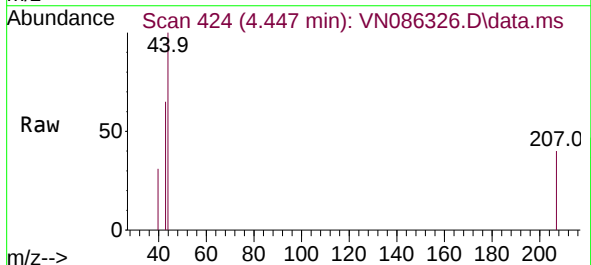
Instrument :
MSVOA_N
ClientSampleId :



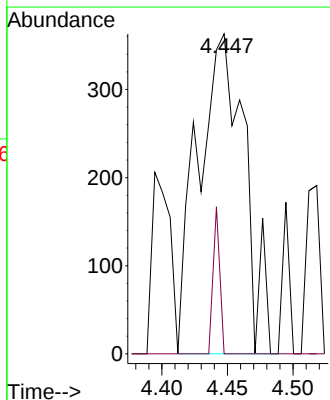
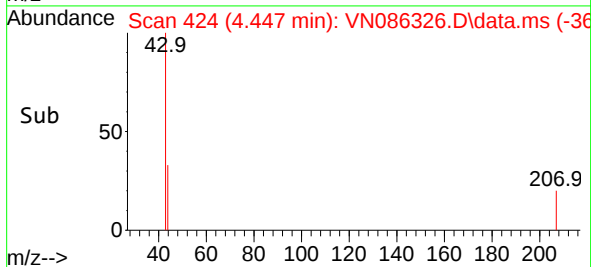
Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 240.2 58.5 87.7#

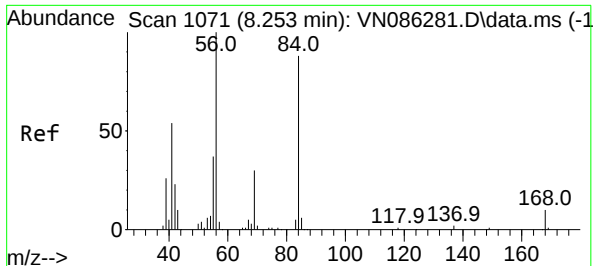


#16
Acetone
Concen: Below Cal
RT: 4.447 min Scan# 424
Delta R.T. 0.023 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54



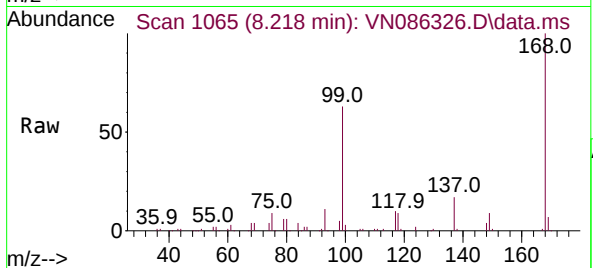
Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



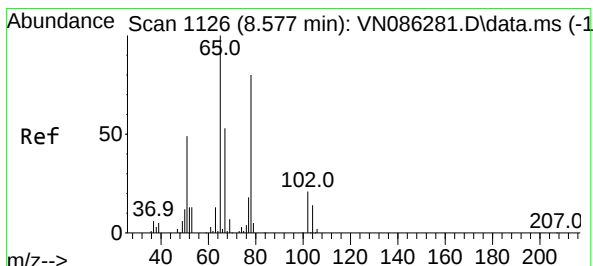
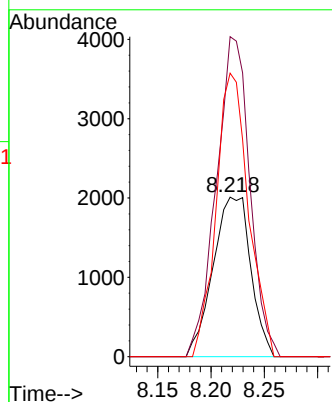
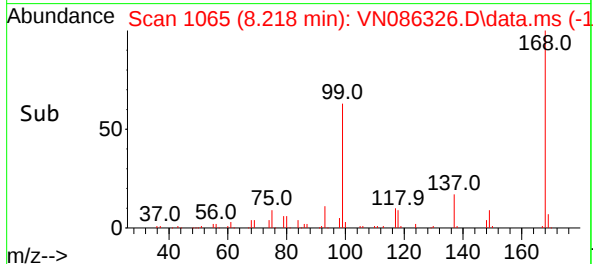


#31
Cyclohexane
Concen: 1.019 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

Instrument :
MSVOA_N
ClientSampleId :

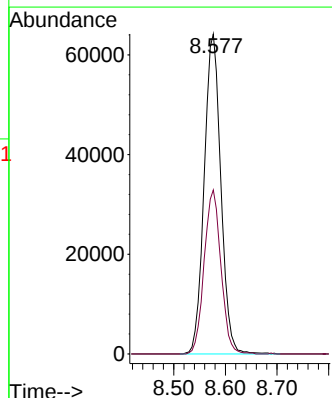
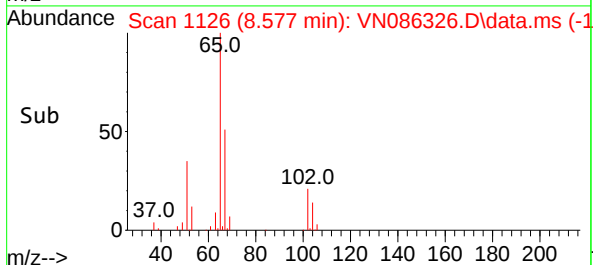
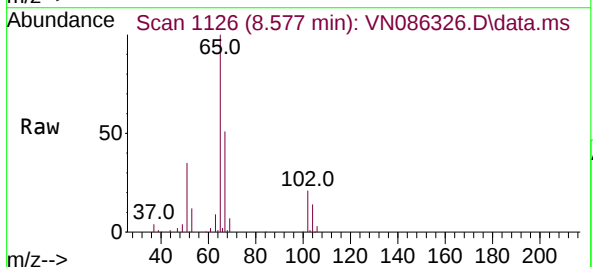


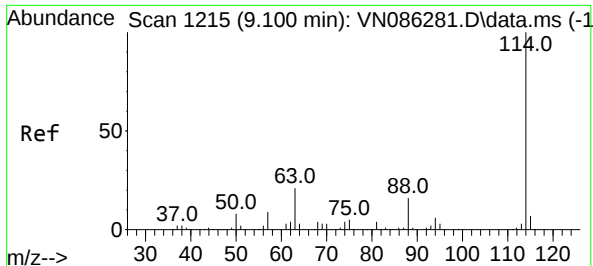
Tgt Ion: 56 Resp: 4952
Ion Ratio Lower Upper
56 100
69 200.6 24.2 36.2#
84 177.7 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 47.898 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

Tgt Ion: 65 Resp: 143664
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.0

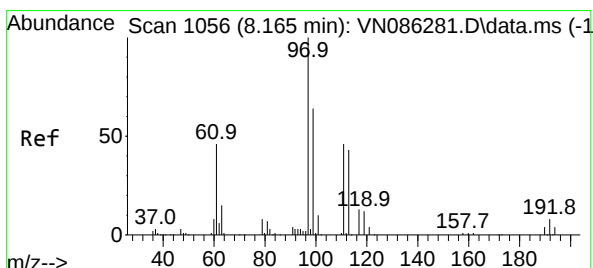
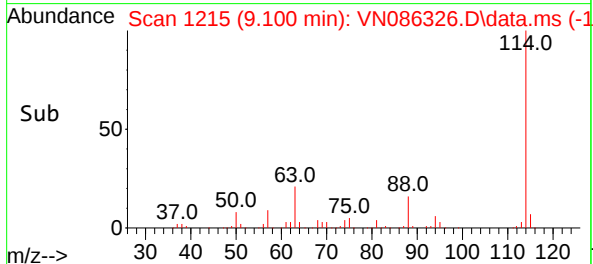
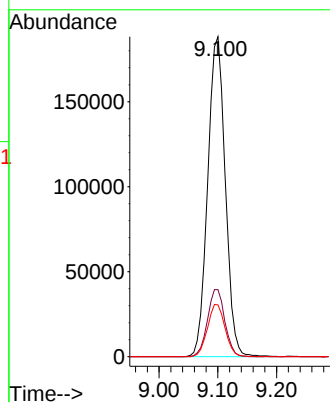
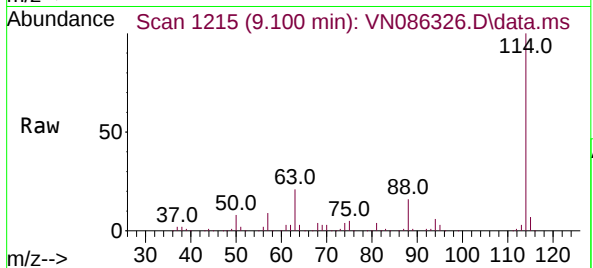




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

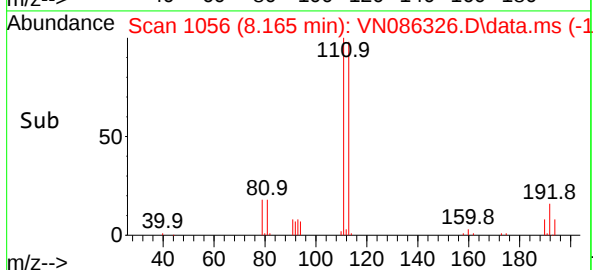
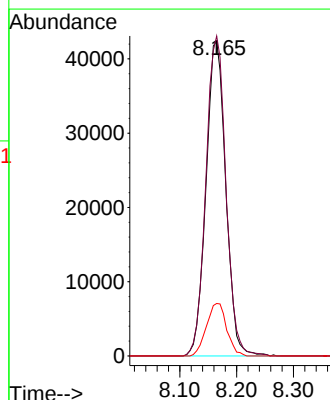
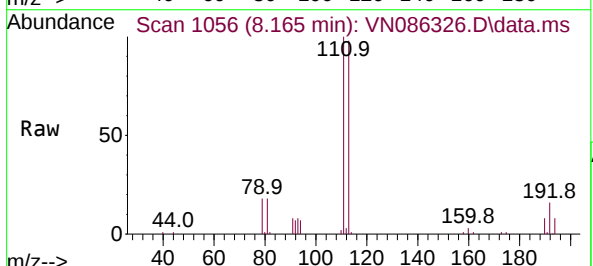
Instrument :
MSVOA_N
ClientSampleId :

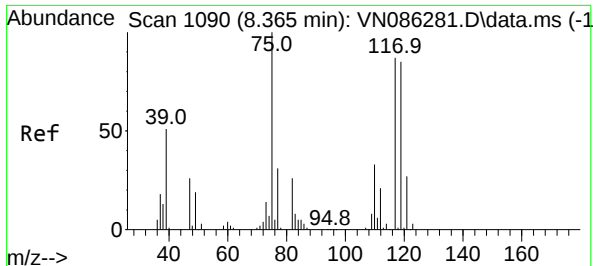
Tgt Ion:114 Resp: 390449
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.6
88 16.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 56.483 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

Tgt Ion:113 Resp: 102355
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.0
192 17.1 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.859 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086326.D

Acq: 17 Apr 2025 16:54

Instrument :

MSVOA_N

ClientSampleId :

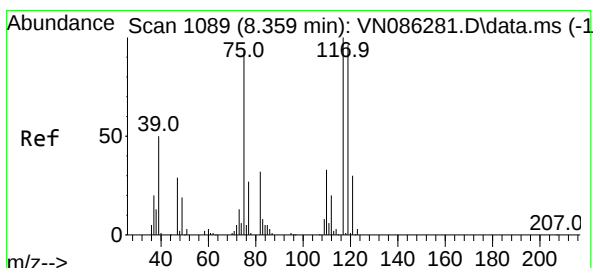
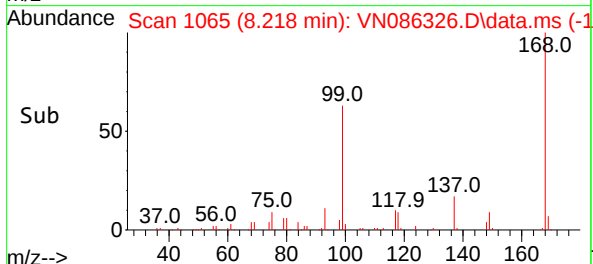
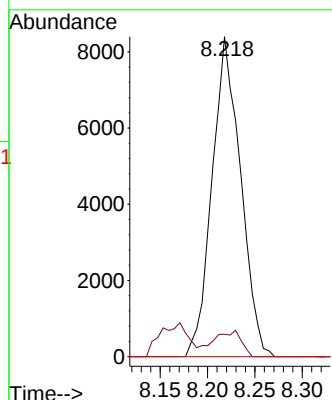
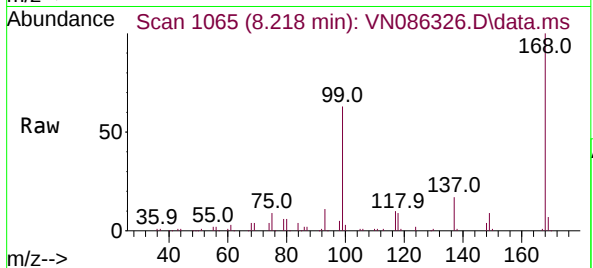
Tgt Ion: 75 Resp: 17587

Ion Ratio Lower Upper

75 100

110 6.9 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.120 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086326.D

Acq: 17 Apr 2025 16:54

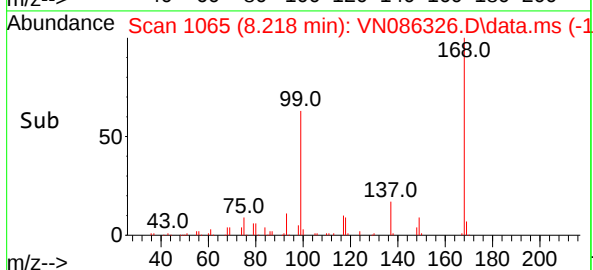
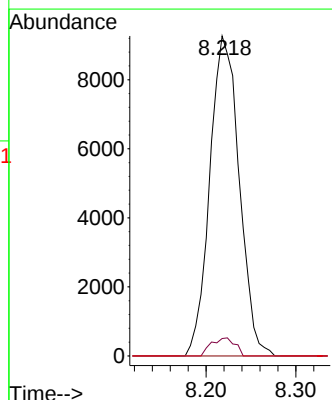
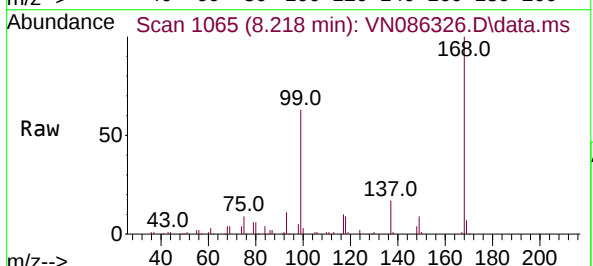
Tgt Ion: 117 Resp: 21095

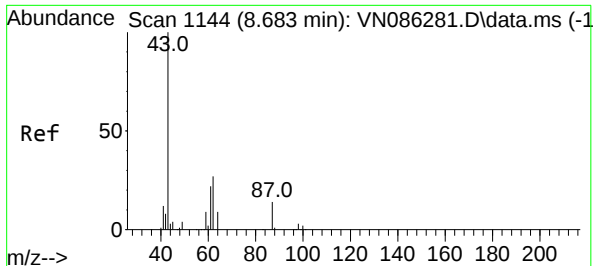
Ion Ratio Lower Upper

117 100

119 5.5 76.8 115.2#

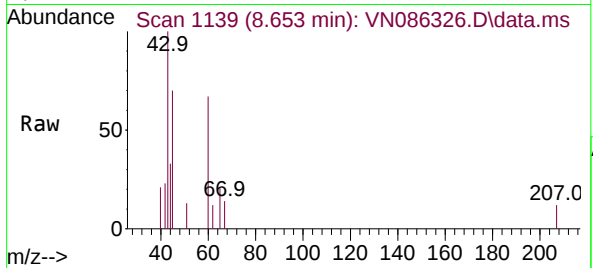
121 0.0 23.8 35.8#



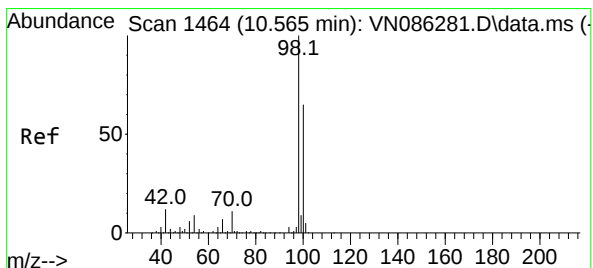
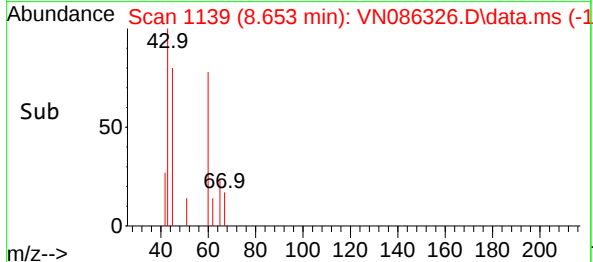
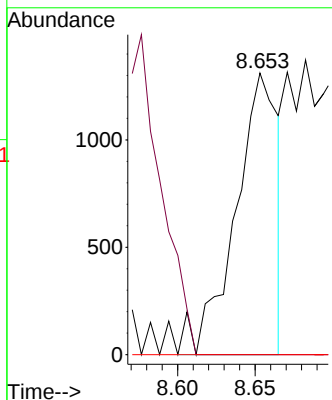


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.653 min Scan# 1144
Delta R.T. -0.030 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

Instrument :
MSVOA_N
ClientSampleId :

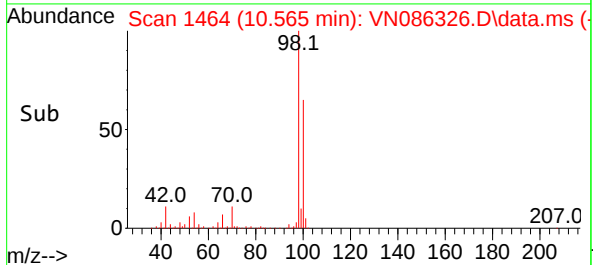
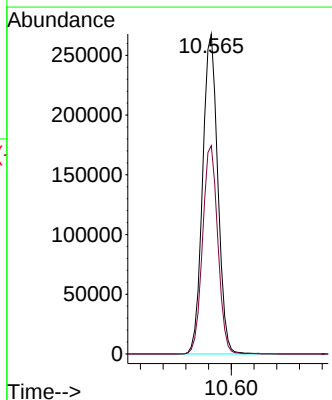
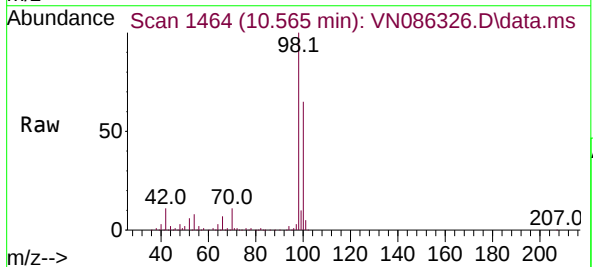


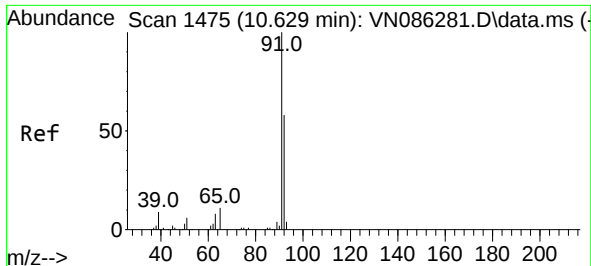
Tgt Ion: 43 Resp: 2504
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#



#50
Toluene-d8
Concen: 51.082 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

Tgt Ion: 98 Resp: 494725
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7

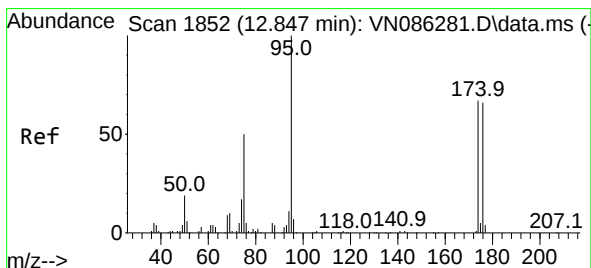
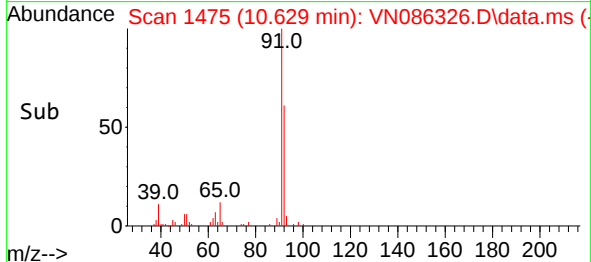
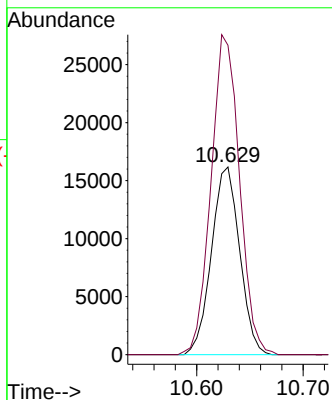
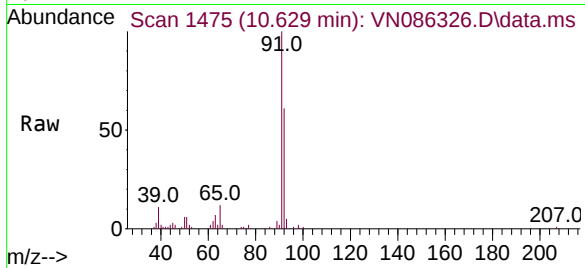




#52
Toluene
Concen: 4.115 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

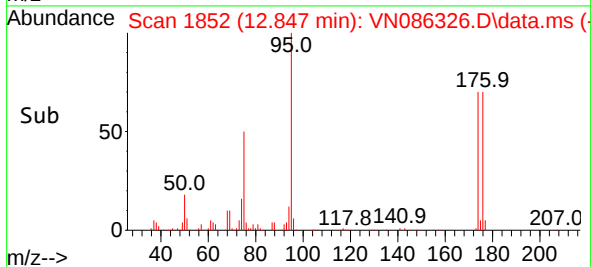
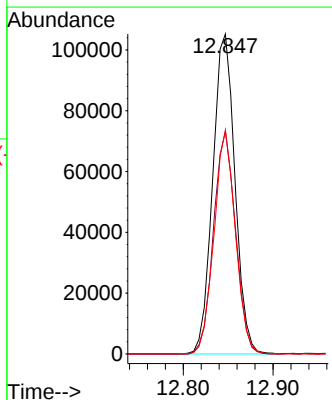
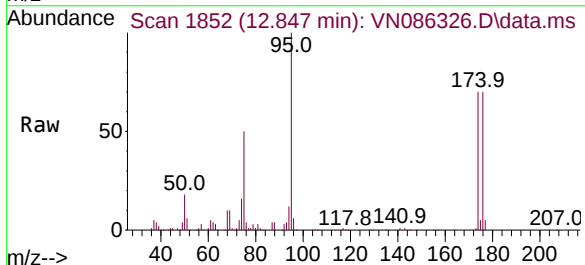
Instrument :
MSVOA_N
ClientSampleId :

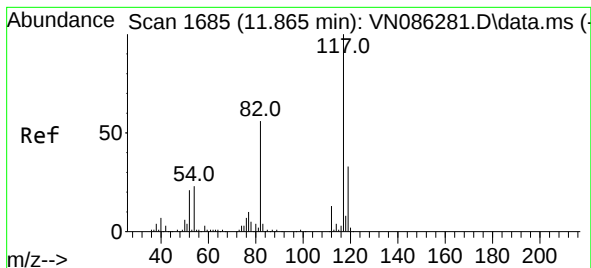
Tgt Ion: 92 Resp: 29776
Ion Ratio Lower Upper
92 100
91 171.9 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 51.240 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

Tgt Ion: 95 Resp: 181003
Ion Ratio Lower Upper
95 100
174 68.8 0.0 133.4
176 67.2 0.0 129.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086326.D

Acq: 17 Apr 2025 16:54

Instrument :

MSVOA_N

ClientSampleId :

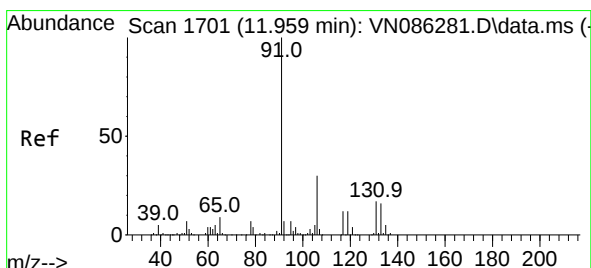
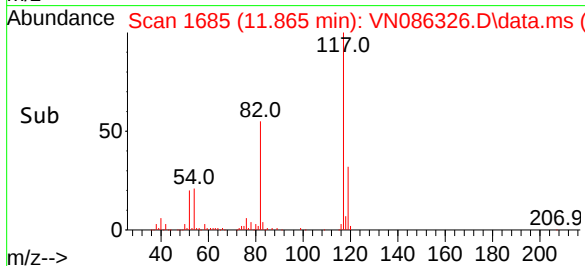
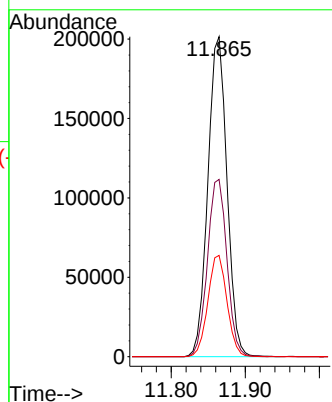
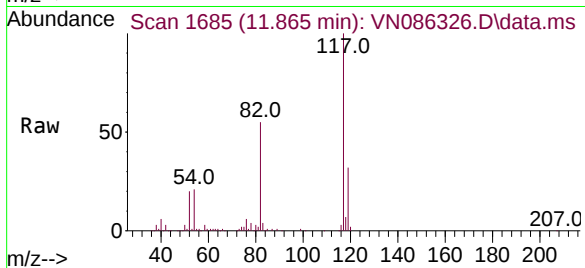
Tgt Ion:117 Resp: 360935

Ion Ratio Lower Upper

117 100

82 55.4 44.7 67.1

119 31.6 26.4 39.6



#67

Ethyl Benzene

Concen: 20.233 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086326.D

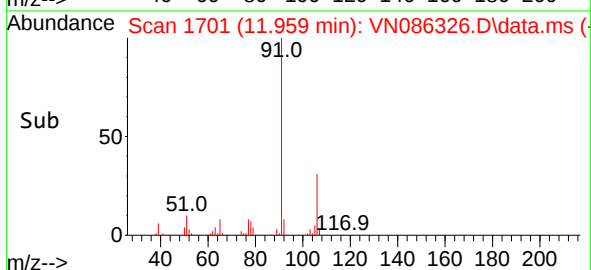
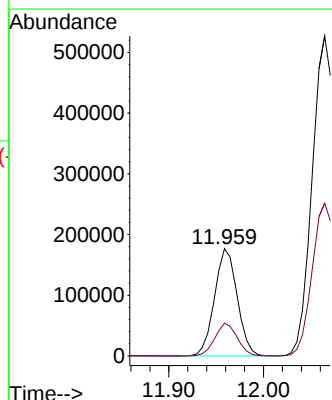
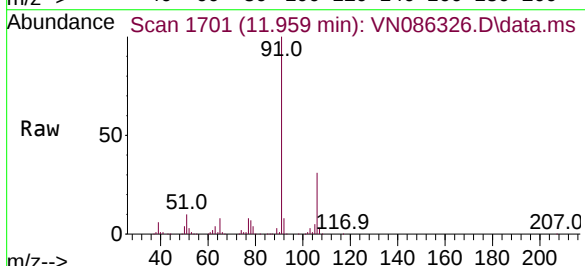
Acq: 17 Apr 2025 16:54

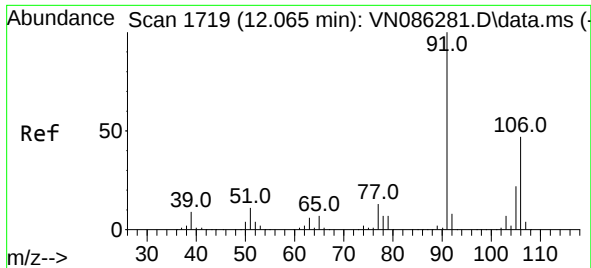
Tgt Ion: 91 Resp: 294096

Ion Ratio Lower Upper

91 100

106 30.5 24.3 36.5

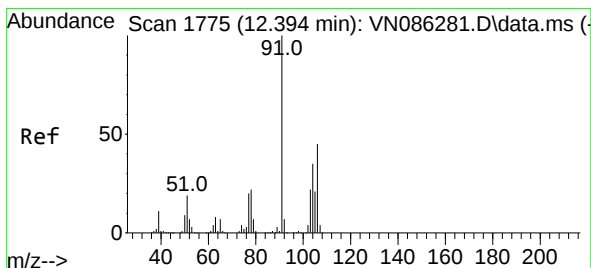
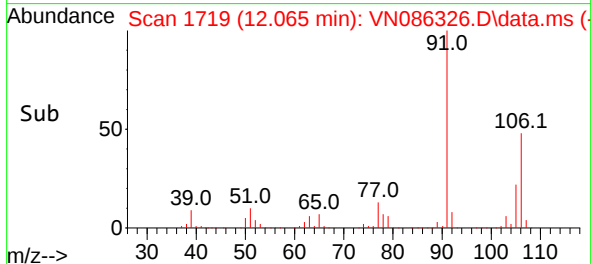
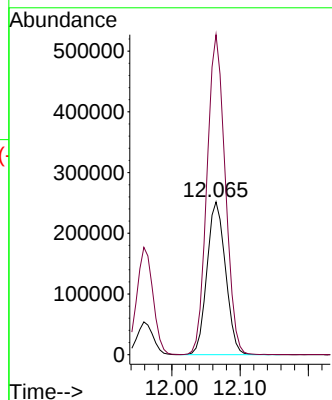
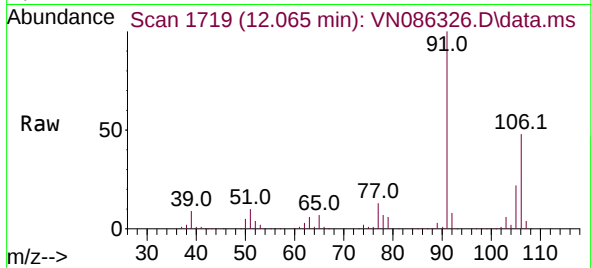




#68
m/p-Xylenes
Concen: 87.378 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

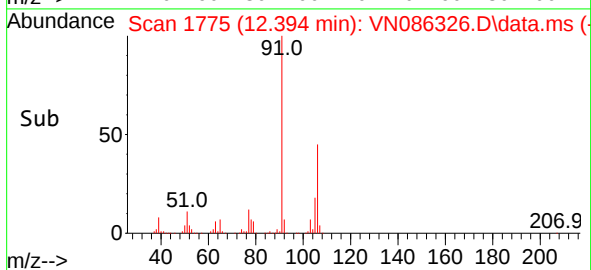
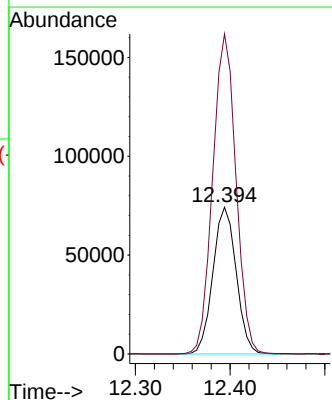
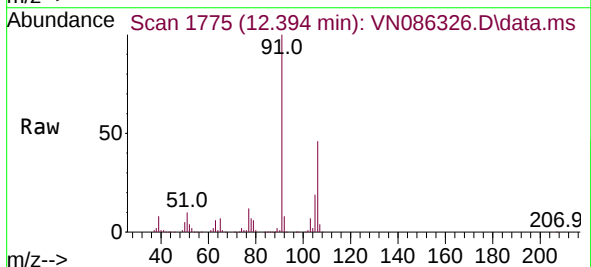
Instrument :
MSVOA_N
ClientSampleId :

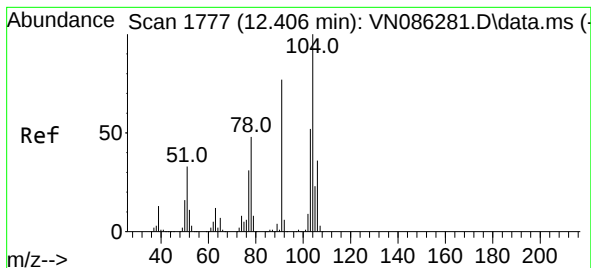
Tgt Ion:106 Resp: 475884
Ion Ratio Lower Upper
106 100
91 206.3 166.5 249.7



#69
o-Xylene
Concen: 23.496 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

Tgt Ion:106 Resp: 126552
Ion Ratio Lower Upper
106 100
91 218.2 109.7 329.0





#70

Styrene

Concen: 0.678 ug/l

RT: 12.394 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN086326.D

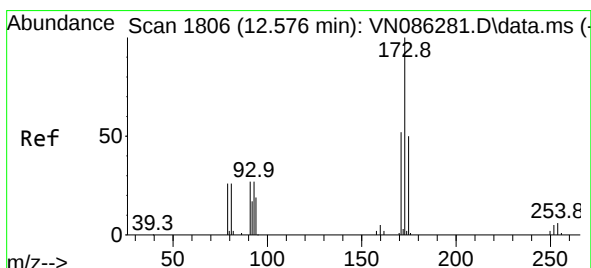
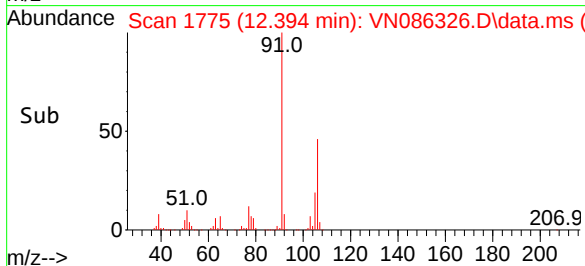
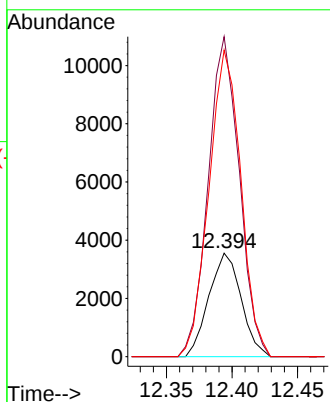
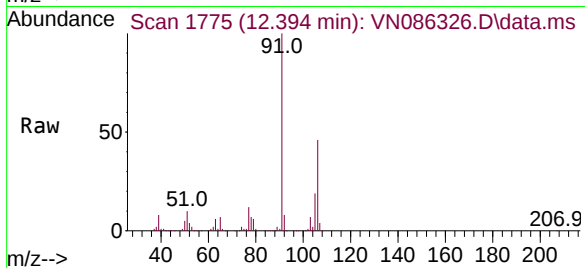
Acq: 17 Apr 2025 16:54

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
104	100		
78	298.3	40.6	61.0#
103	293.1	43.6	65.4#



#71

Bromoform

Concen: 0.353 ug/l

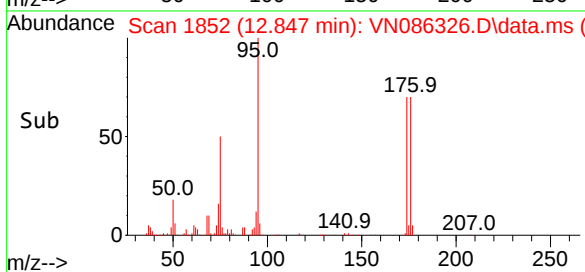
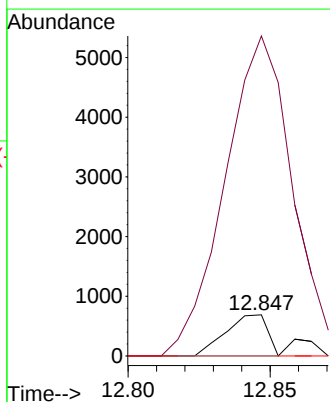
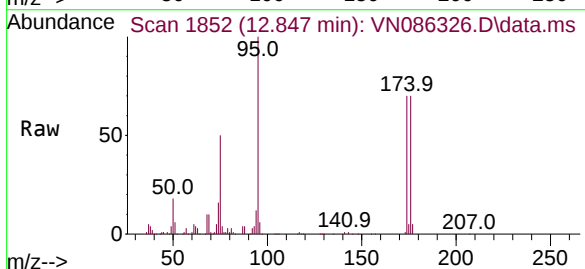
RT: 12.847 min Scan# 1852

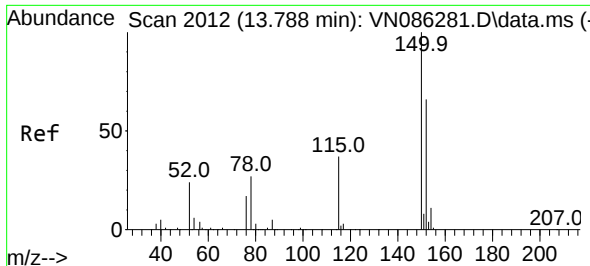
Delta R.T. 0.271 min

Lab File: VN086326.D

Acq: 17 Apr 2025 16:54

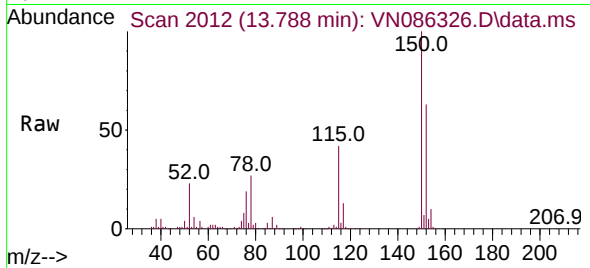
Tgt Ion	Ratio	Lower	Upper
173	100		
175	1032.9	24.6	73.6#
254	0.0	0.0	0.0



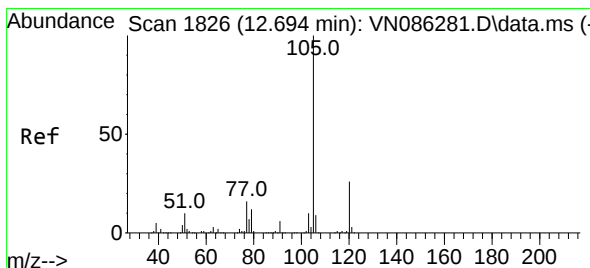
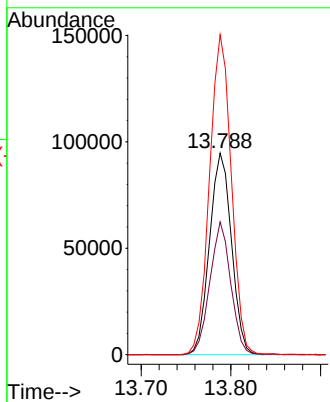
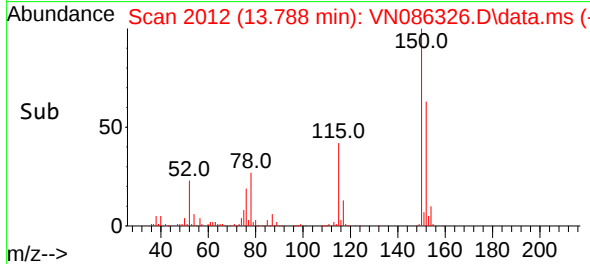


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

Instrument :
MSVOA_N
ClientSampleId :

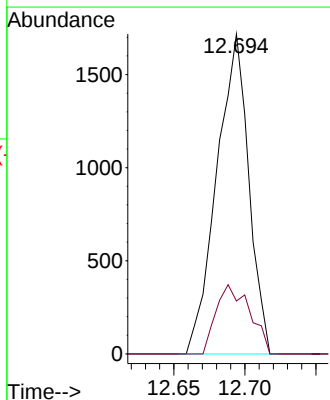
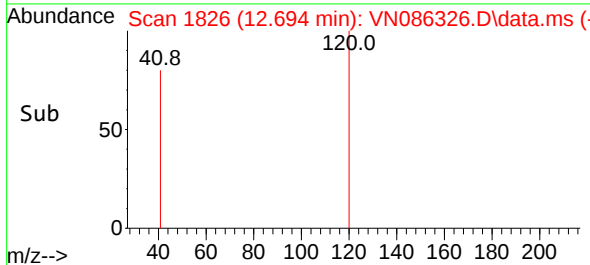
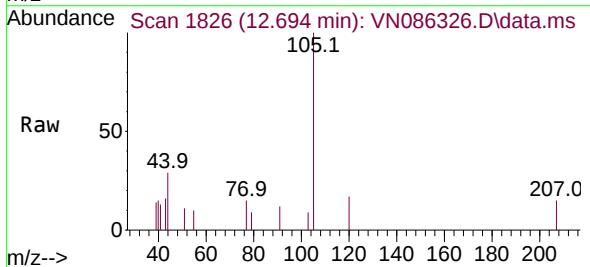


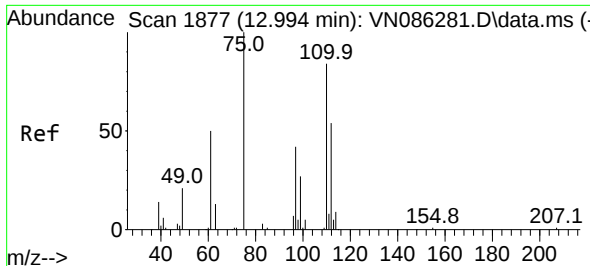
Tgt Ion:152 Resp: 161003
Ion Ratio Lower Upper
152 100
115 62.7 31.9 95.9
150 157.3 0.0 352.0



#73
Isopropylbenzene
Concen: 0.204 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

Tgt Ion:105 Resp: 2686
Ion Ratio Lower Upper
105 100
120 22.7 13.1 39.3

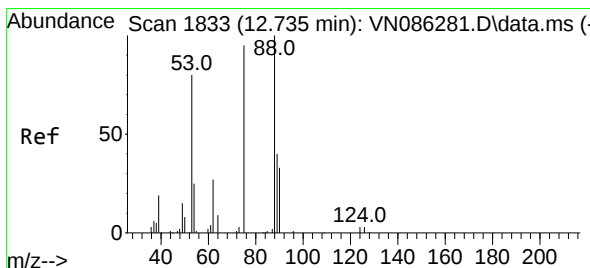
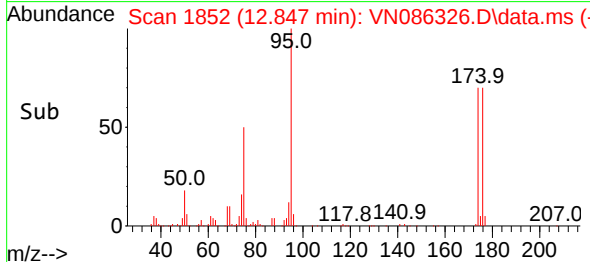
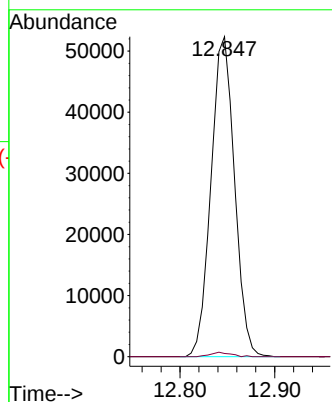
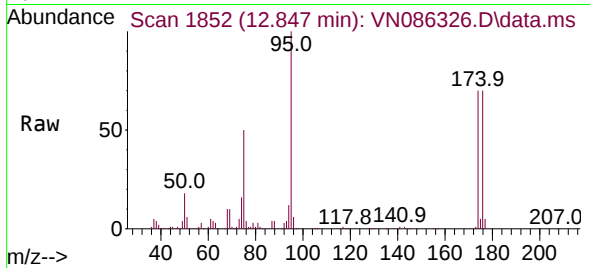




#76
1,2,3-Trichloropropane
Concen: 23.792 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

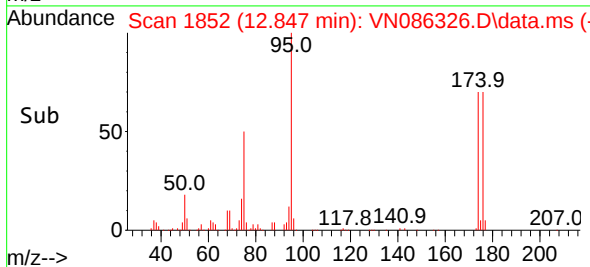
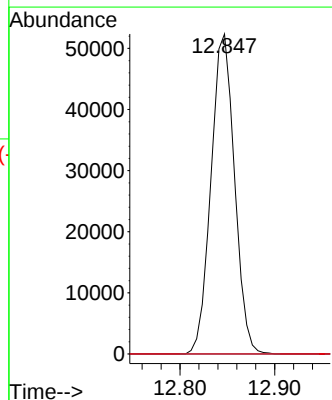
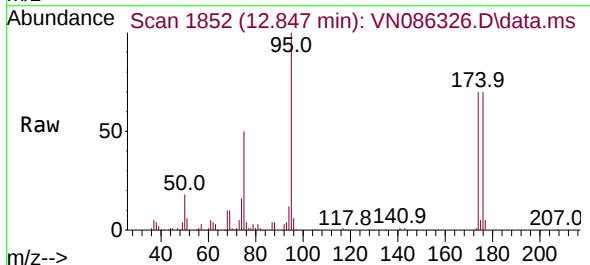
Instrument :
MSVOA_N
ClientSampleId :

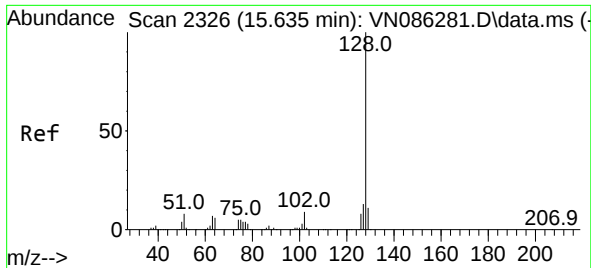
Tgt Ion: 75 Resp: 90395
Ion Ratio Lower Upper
75 100
77 1.2 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.139 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086326.D
Acq: 17 Apr 2025 16:54

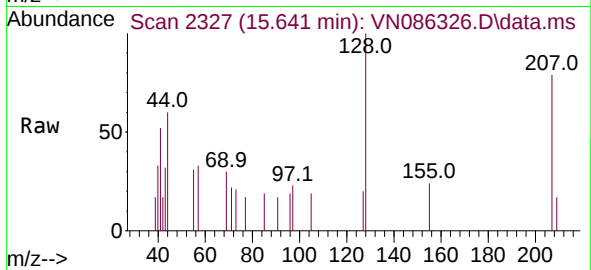
Tgt Ion: 75 Resp: 90395
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#





#95
 Naphthalene
 Concen: 0.212 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN086326.D
 Acq: 17 Apr 2025 16:54

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	1913
Ion	Ratio	Lower	Upper
128	100		
127	3.2	10.2	15.4#
129	4.1	8.6	13.0#

