

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041725\
 Data File : VN086324.D
 Acq On : 17 Apr 2025 16:06
 Operator : JC\MD
 Sample : Q1818-01DL 10X
 Misc : 1.14g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 18 01:32:31 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)

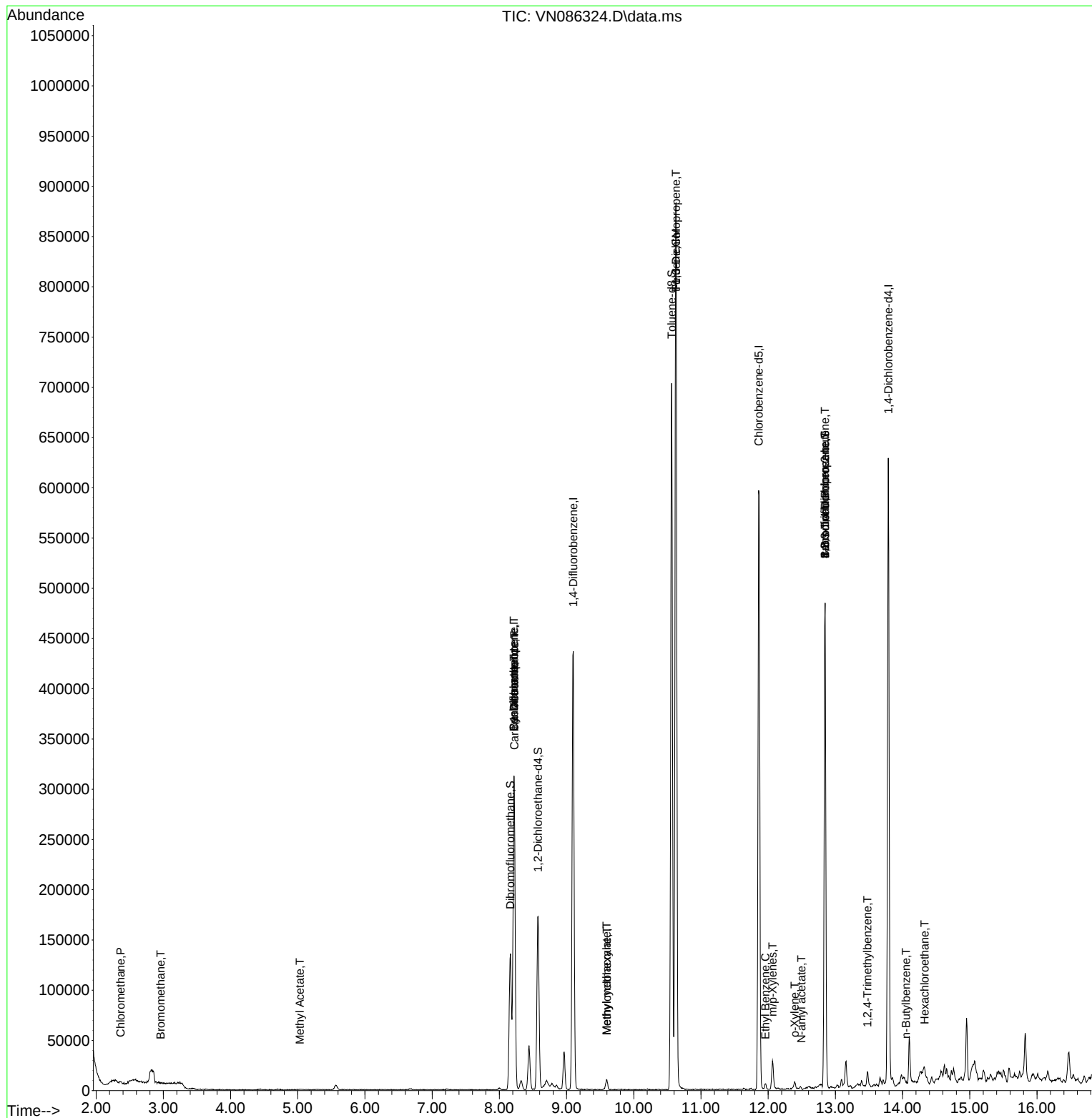
Internal Standards						
1) Pentafluorobenzene	8.218	168	201843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	389459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	358086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145270	49.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.260%			
35) Dibromofluoromethane	8.165	113	101768	56.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.600%			
50) Toluene-d8	10.565	98	491426	50.871	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.740%			
62) 4-Bromofluorobenzene	12.847	95	181993	51.651	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.300%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	2476	0.712	ug/l	98
5) Bromomethane	2.959	94	534	0.358	ug/l	95
13) Acrolein	4.189	56	191	Below Cal		96
16) Acetone	4.424	43	897	Below Cal #		43
18) Methyl Acetate	5.030	43	807	0.230	ug/l #	51
31) Cyclohexane	8.218	56	9879	2.083	ug/l #	57
36) 1,1-Dichloropropene	8.218	75	17193	4.762	ug/l #	50
38) Carbon Tetrachloride	8.224	117	21108	6.139	ug/l #	15
39) Methylcyclohexane	9.600	83	4438	1.034	ug/l	90
43) Isopropyl Acetate	8.706	43	10796	Below Cal #		55
48) Methyl methacrylate	9.594	41	2530	0.758	ug/l #	62
52) Toluene	10.629	92	402199	55.725	ug/l	98
53) t-1,3-Dichloropropene	10.629	75	4616	1.061	ug/l #	1
67) Ethyl Benzene	11.959	91	4941	0.343	ug/l	92
68) m/p-Xylenes	12.065	106	7213	1.335	ug/l	96
69) o-Xylene	12.394	106	1877	0.351	ug/l	77
71) Bromoform	12.847	173	1022	0.515	ug/l #	1
74) N-amyl acetate	12.494	43	1564	0.236	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	89481	23.268	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	89481	55.881	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.476	105	10058	0.906	ug/l	95
89) n-Butylbenzene	14.053	91	2492	0.260	ug/l #	73
90) Hexachloroethane	14.329	117	478	0.263	ug/l #	19

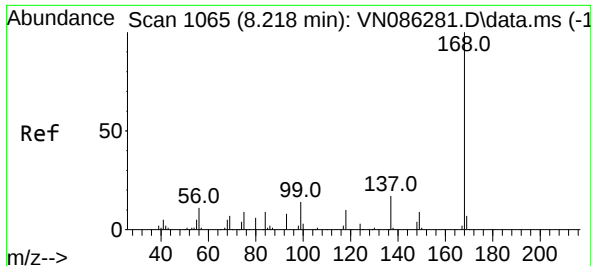
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041725\
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Quant Time: Apr 18 01:32:31 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

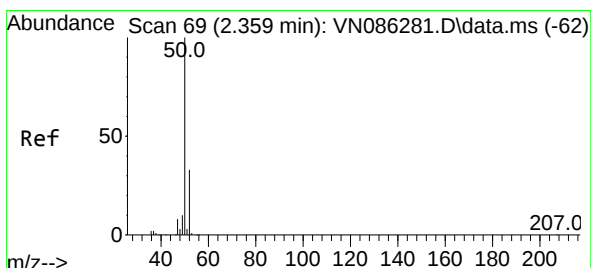
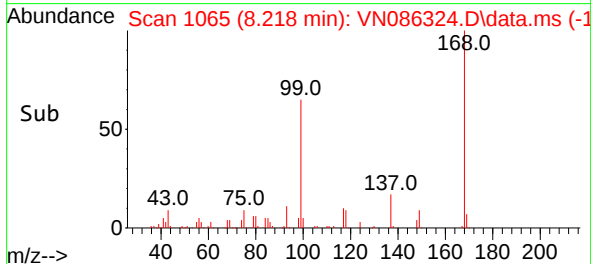
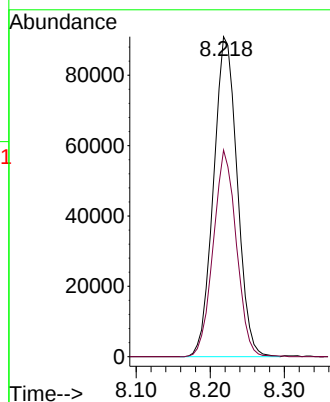
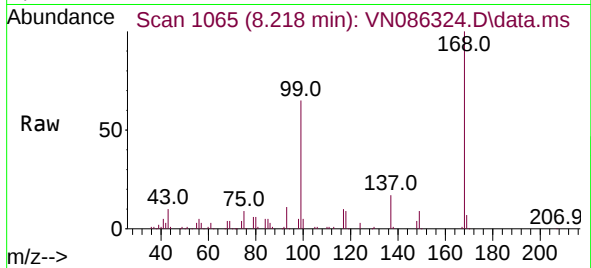




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

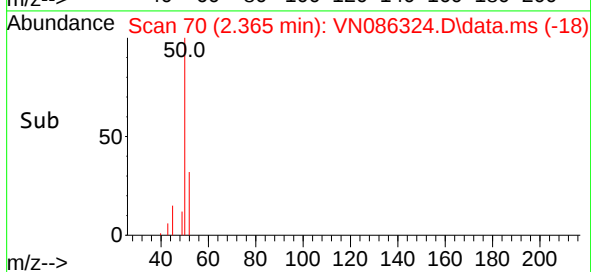
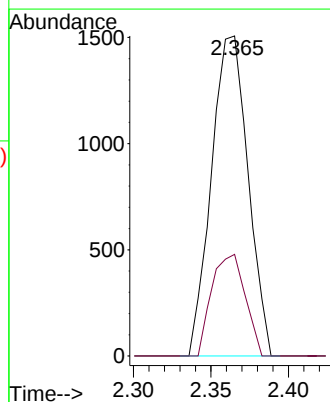
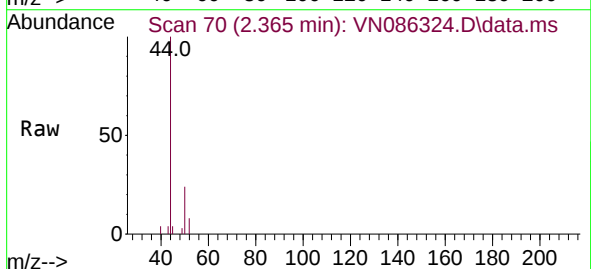
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 201843
Ion Ratio Lower Upper
168 100
99 64.5 52.5 78.7



#3
Chloromethane
Concen: 0.712 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

Tgt Ion: 50 Resp: 2476
Ion Ratio Lower Upper
50 100
52 31.8 26.5 39.7

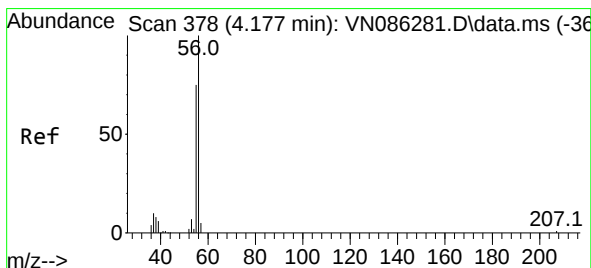
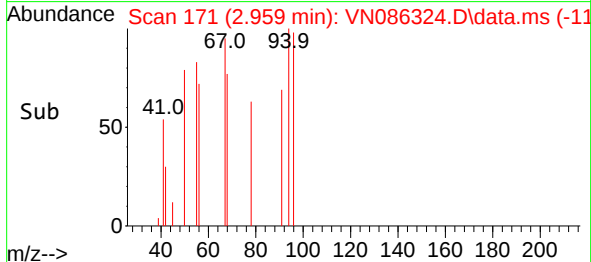
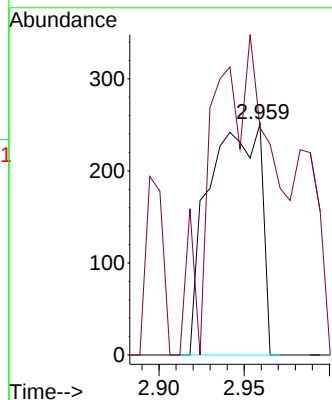
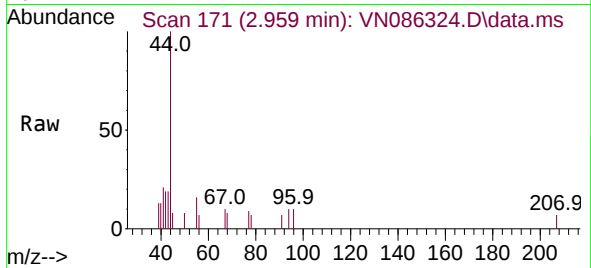




#5
Bromomethane
Concen: 0.358 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

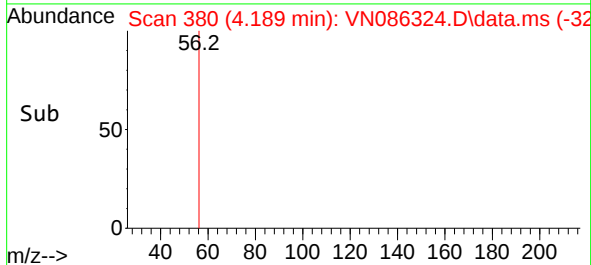
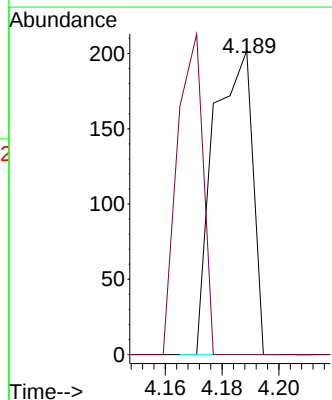
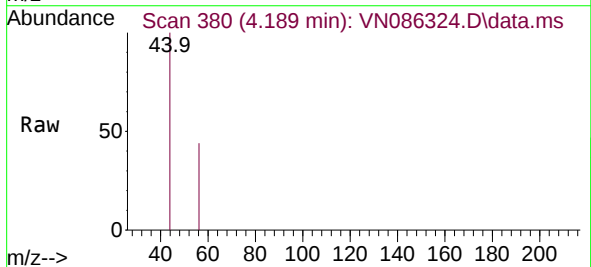
Instrument :
MSVOA_N
ClientSampleId :

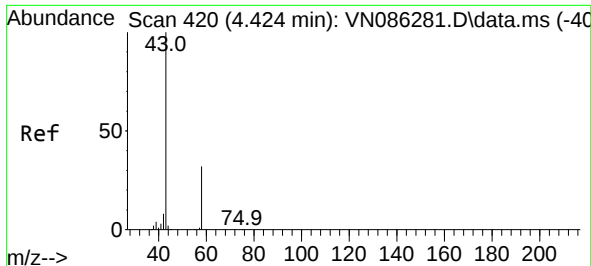
Tgt Ion: 94 Resp: 534
Ion Ratio Lower Upper
94 100
96 98.4 75.2 112.8



#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 69.6 58.5 87.7

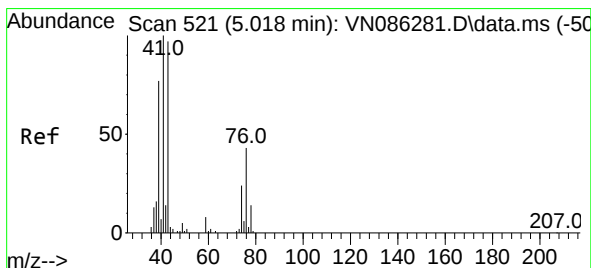
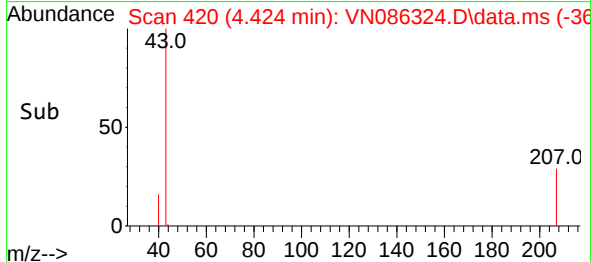
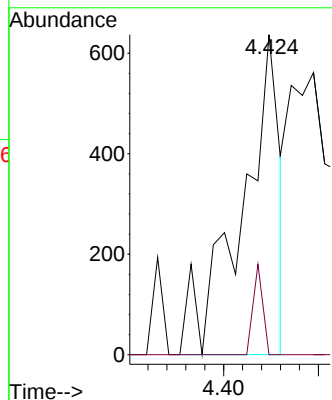
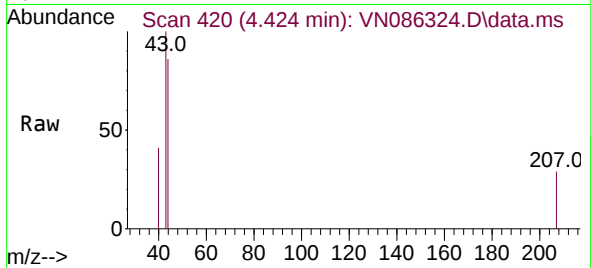




#16
Acetone
Concen: Below Cal
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

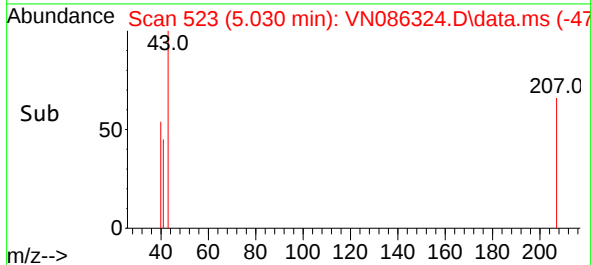
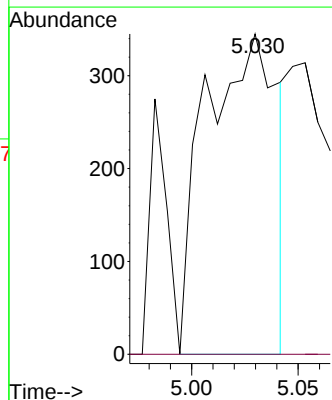
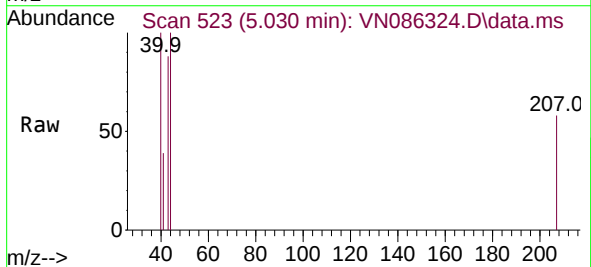
Instrument :
MSVOA_N
ClientSampleId :

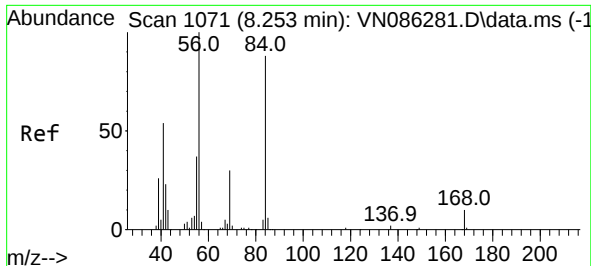
Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



#18
Methyl Acetate
Concen: 0.230 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

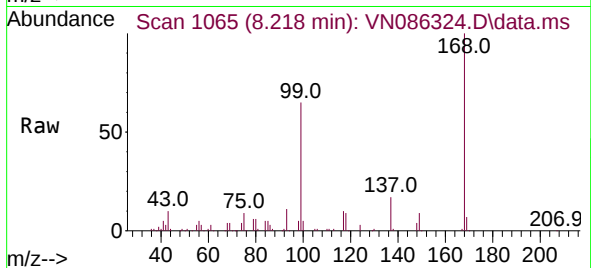
Tgt Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#



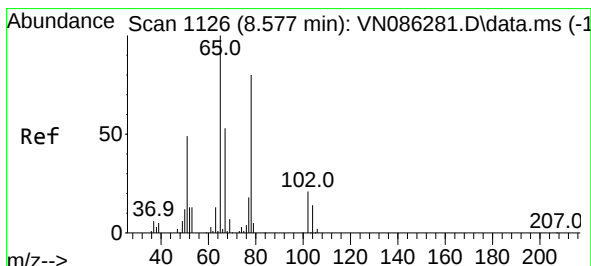
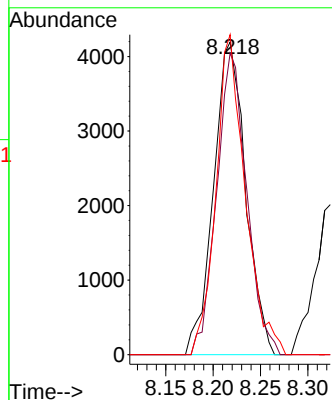
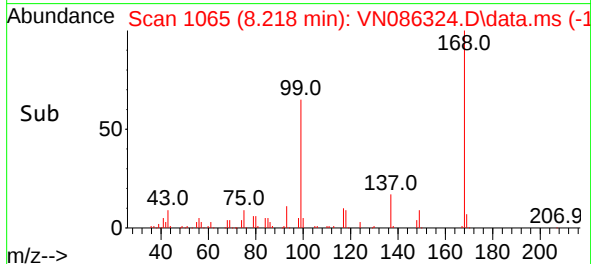


#31
Cyclohexane
Concen: 2.083 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

Instrument :
MSVOA_N
ClientSampleId :

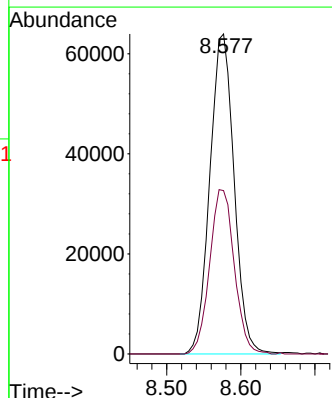
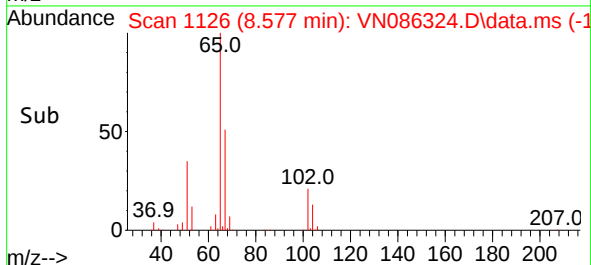
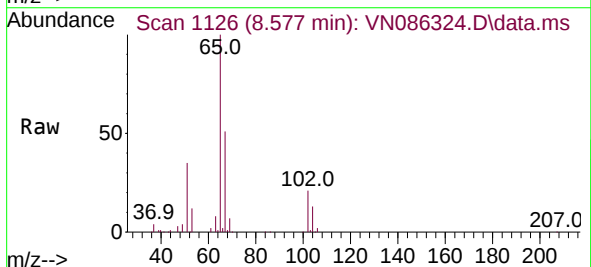


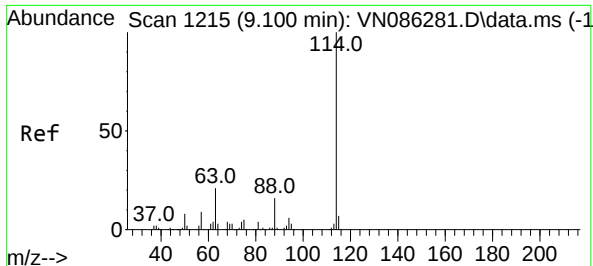
Tgt Ion: 56 Resp: 9879
Ion Ratio Lower Upper
56 100
69 96.5 24.2 36.2#
84 102.4 70.3 105.5



#33
1,2-Dichloroethane-d4
Concen: 49.633 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

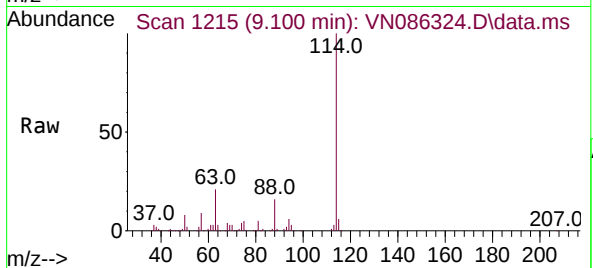
Tgt Ion: 65 Resp: 145270
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.0



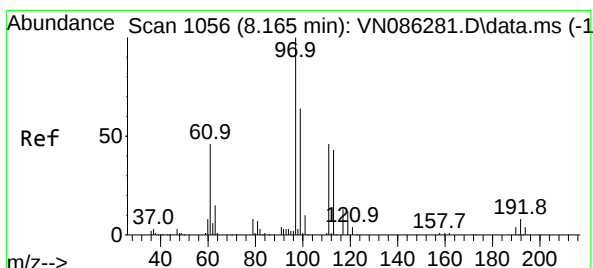
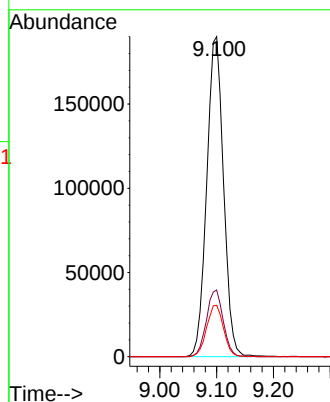
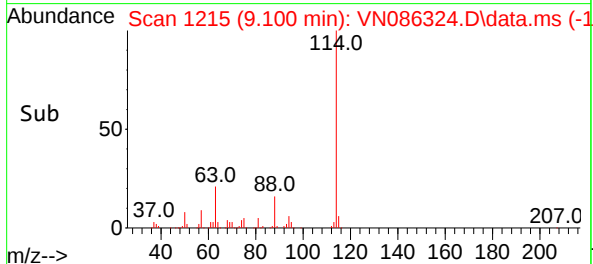


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

Instrument :
MSVOA_N
ClientSampleId :

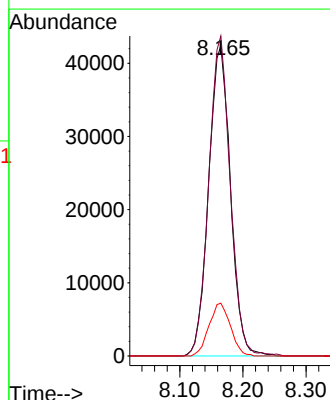
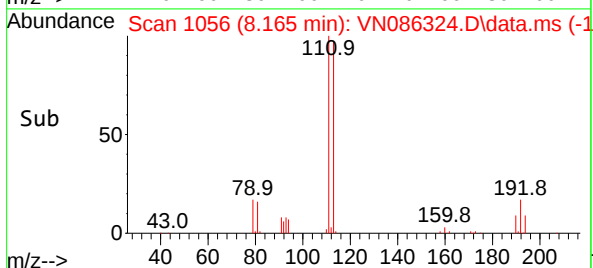
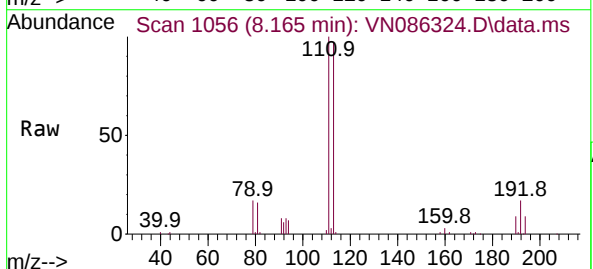


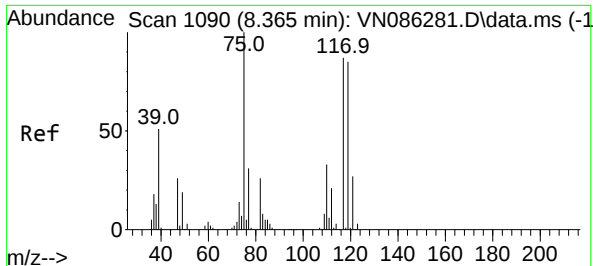
Tgt Ion:114 Resp: 389459
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.6
88 16.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 56.302 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

Tgt Ion:113 Resp: 101768
Ion Ratio Lower Upper
113 100
111 101.6 83.4 125.0
192 16.7 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.762 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086324.D

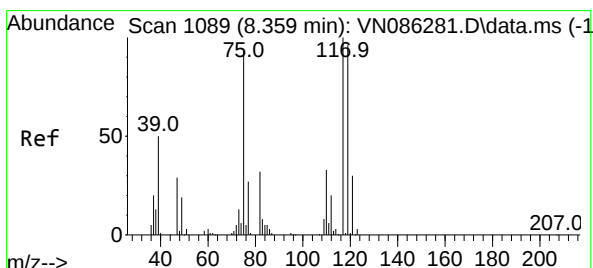
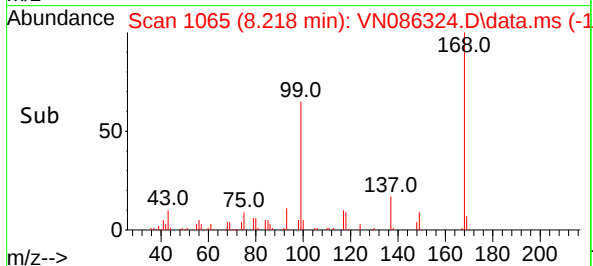
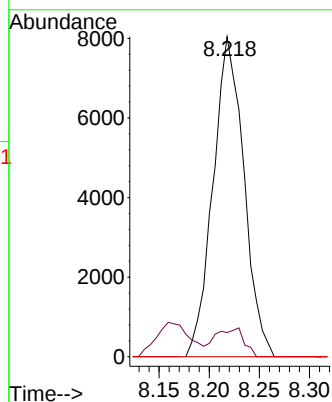
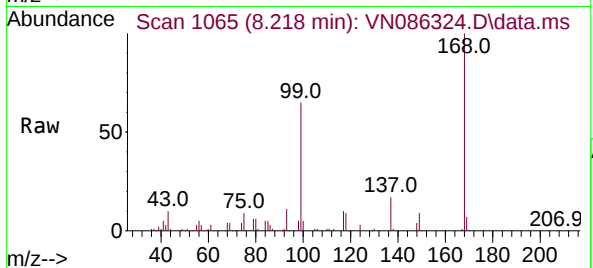
Acq: 17 Apr 2025 16:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	17193
Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.8	50.4#
77	0.0	24.9	37.3#



#38

Carbon Tetrachloride

Concen: 6.139 ug/l

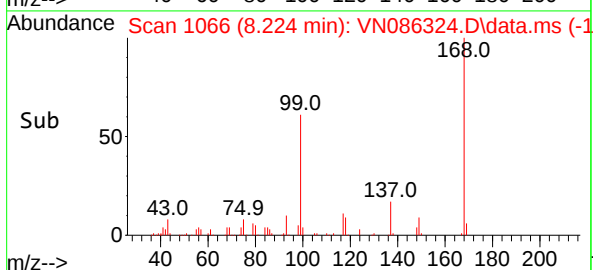
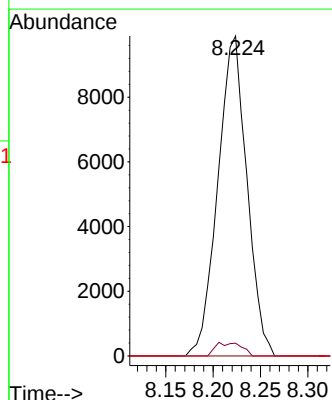
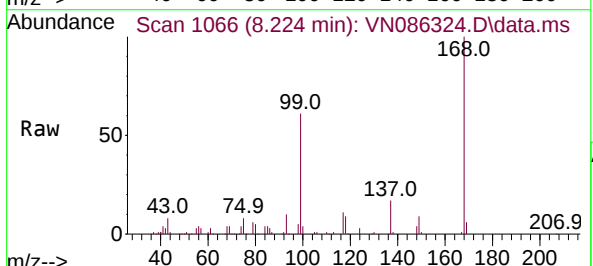
RT: 8.224 min Scan# 1066

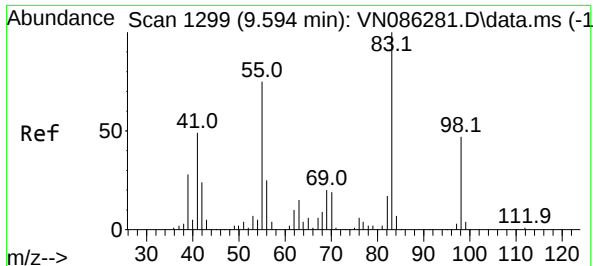
Delta R.T. -0.135 min

Lab File: VN086324.D

Acq: 17 Apr 2025 16:06

Tgt Ion:	117	Resp:	21108
Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.8	115.2#
121	0.0	23.8	35.8#





#39

Methylcyclohexane

Concen: 1.034 ug/l

RT: 9.600 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN086324.D

Acq: 17 Apr 2025 16:06

Instrument :

MSVOA_N

ClientSampleId :

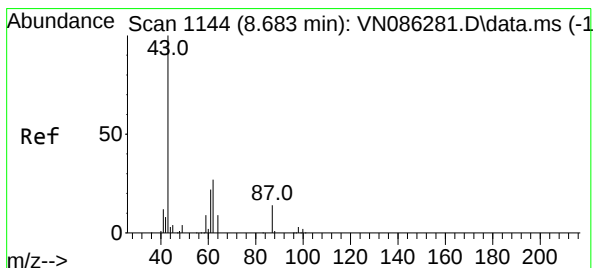
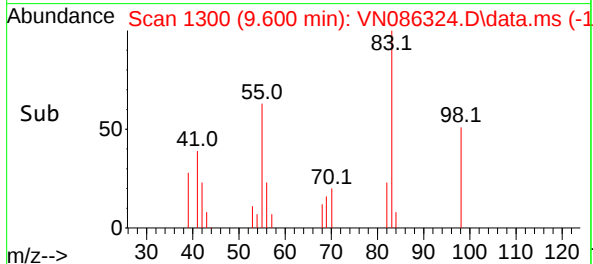
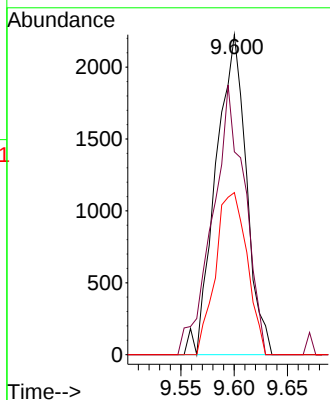
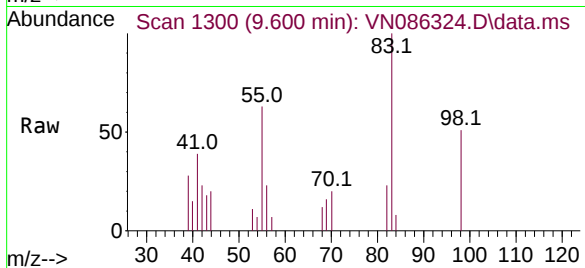
Tgt Ion: 83 Resp: 4438

Ion Ratio Lower Upper

83 100

55 63.4 59.8 89.8

98 50.6 37.9 56.9



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.706 min Scan# 1148

Delta R.T. 0.023 min

Lab File: VN086324.D

Acq: 17 Apr 2025 16:06

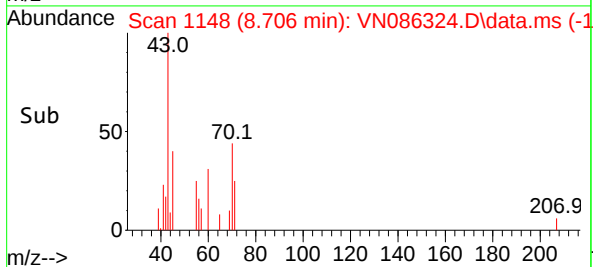
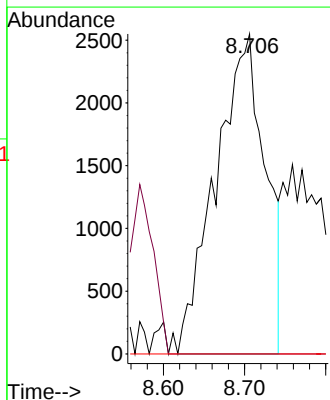
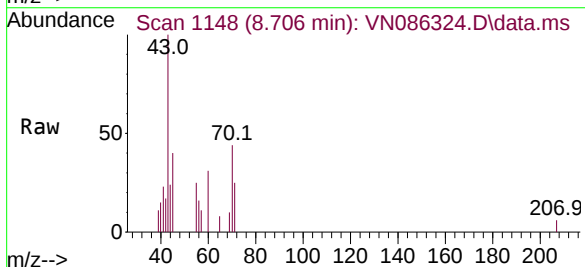
Tgt Ion: 43 Resp: 10796

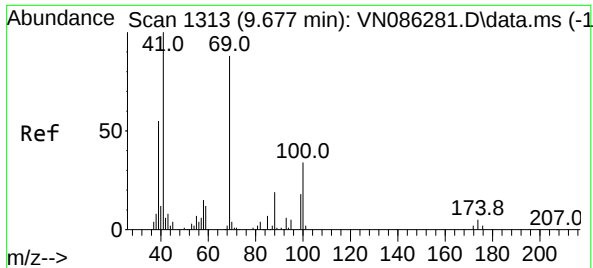
Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

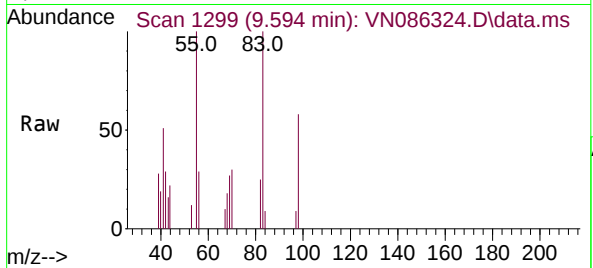
87 0.0 10.5 15.7#



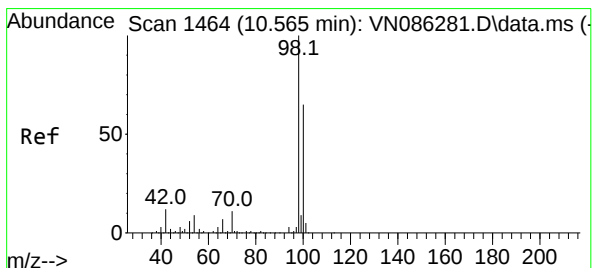
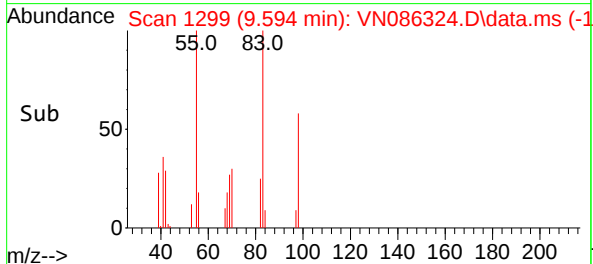
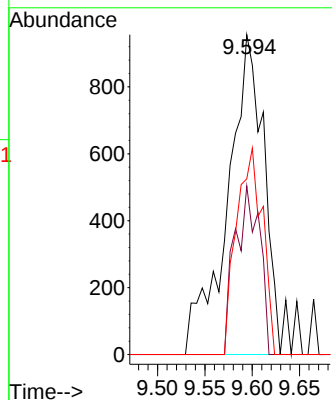


#48
Methyl methacrylate
Concen: 0.758 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.082 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

Instrument :
MSVOA_N
ClientSampleId :

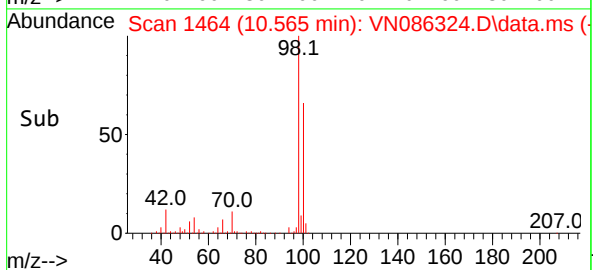
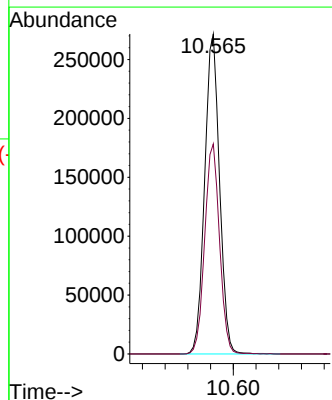
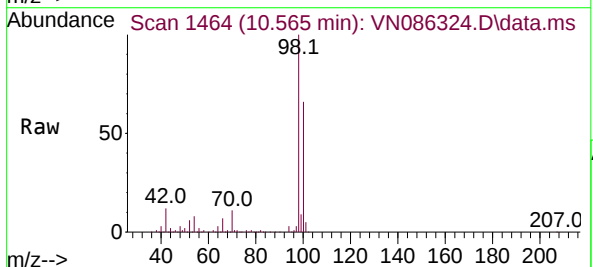


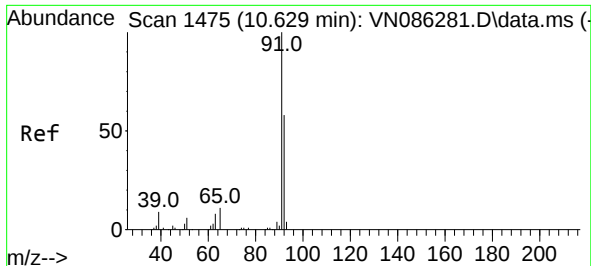
Tgt Ion: 41 Resp: 2530
Ion Ratio Lower Upper
41 100
69 36.0 68.2 102.2#
39 46.6 45.2 67.8



#50
Toluene-d8
Concen: 50.871 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

Tgt Ion: 98 Resp: 491426
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7

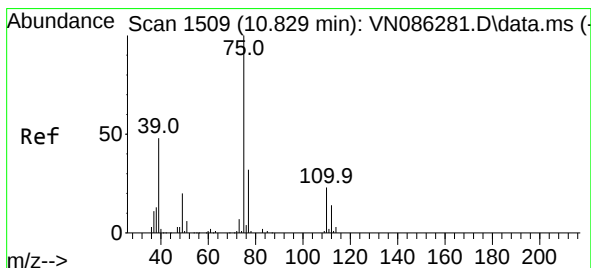
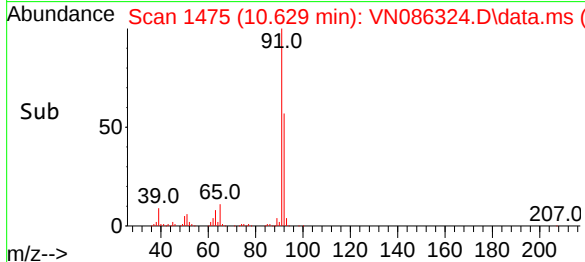
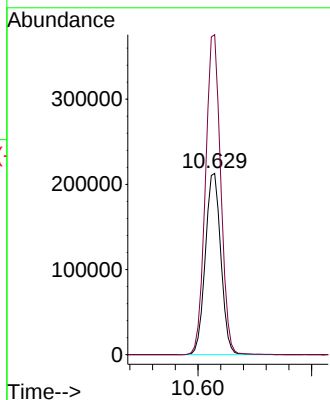
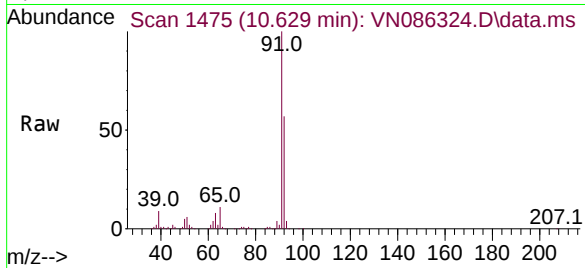




#52
Toluene
Concen: 55.725 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

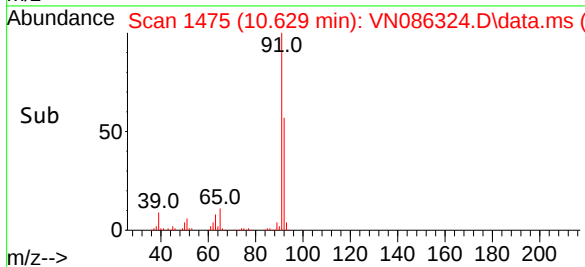
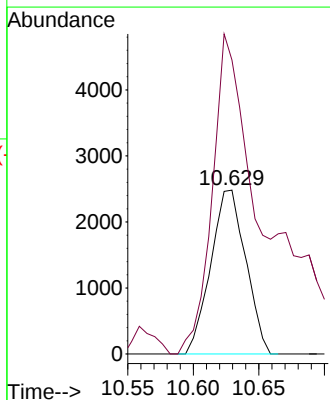
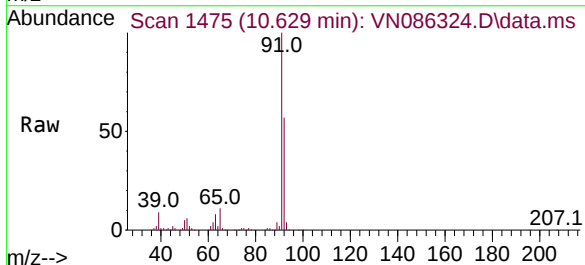
Instrument :
MSVOA_N
ClientSampleId :

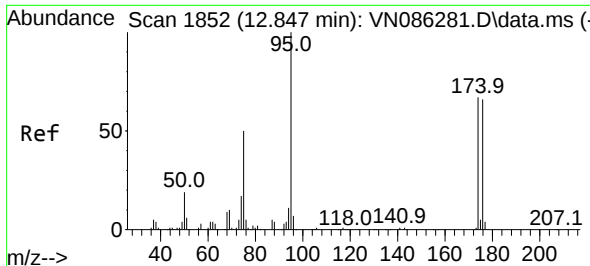
Tgt Ion: 92 Resp: 402199
Ion Ratio Lower Upper
92 100
91 173.7 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 1.061 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.200 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

Tgt Ion: 75 Resp: 4616
Ion Ratio Lower Upper
75 100
77 179.5 25.4 38.0#

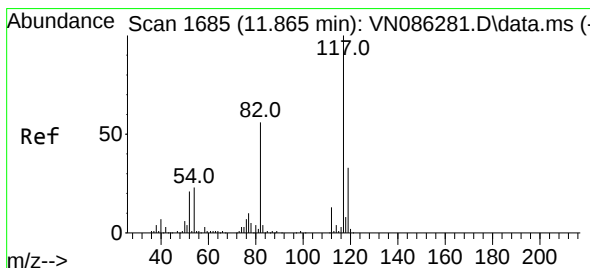
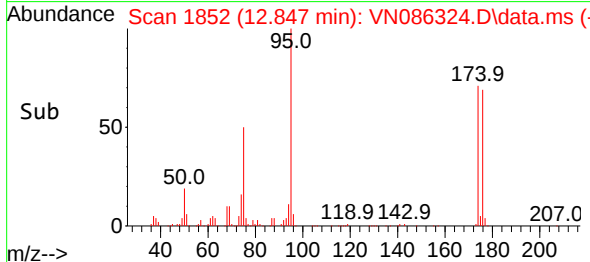
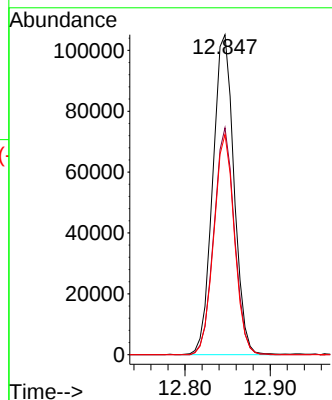
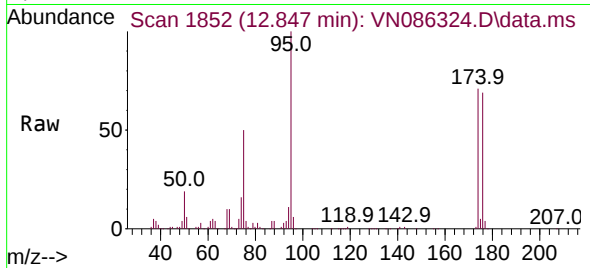




#62
4-Bromofluorobenzene
Concen: 51.651 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

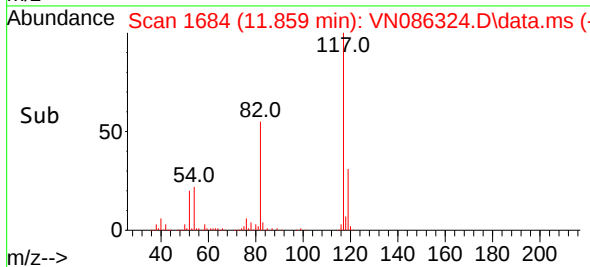
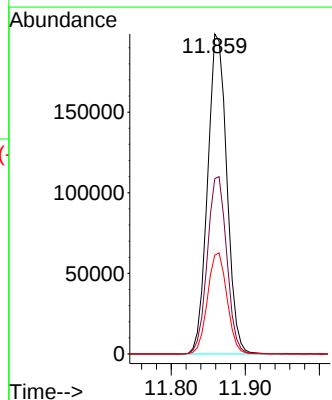
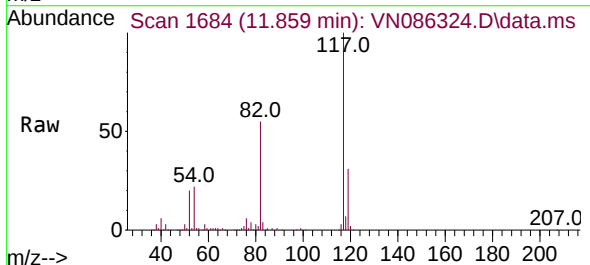
Instrument :
MSVOA_N
ClientSampleId :

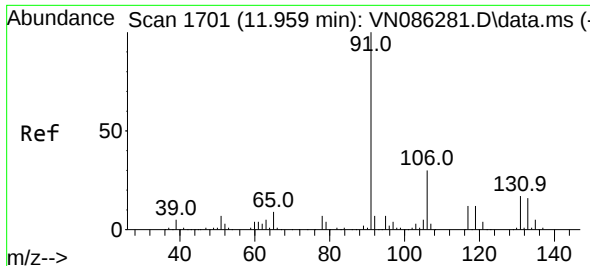
Tgt Ion: 95 Resp: 181993
Ion Ratio Lower Upper
95 100
174 68.5 0.0 133.4
176 66.5 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

Tgt Ion: 117 Resp: 358086
Ion Ratio Lower Upper
117 100
82 54.8 44.7 67.1
119 30.9 26.4 39.6

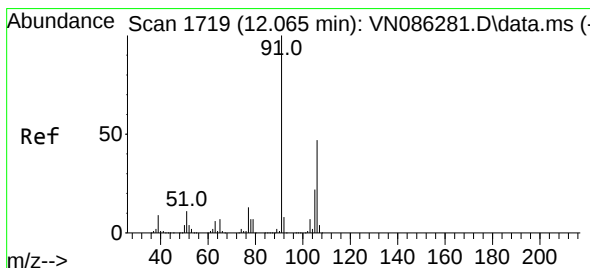
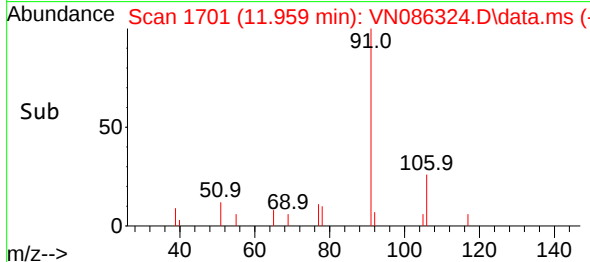
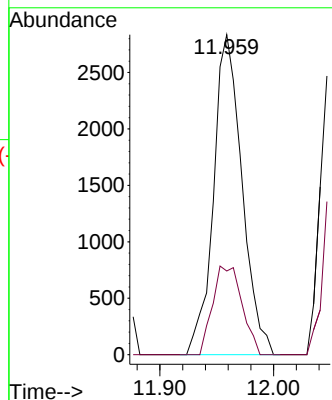
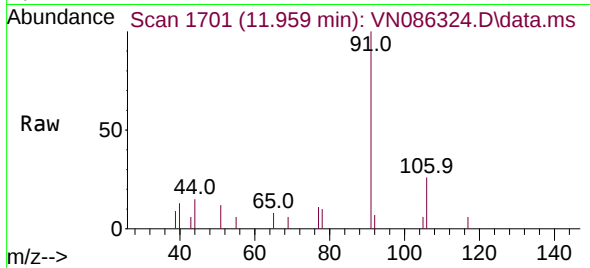




#67
Ethyl Benzene
Concen: 0.343 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

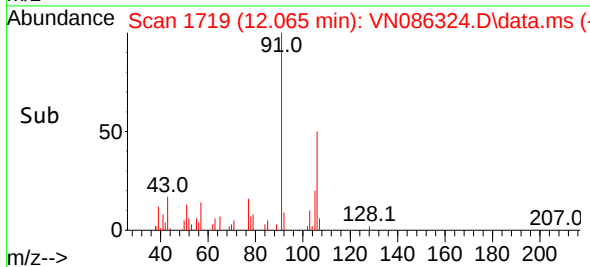
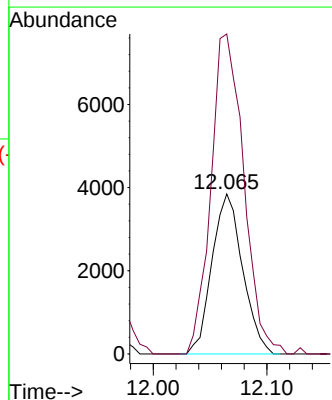
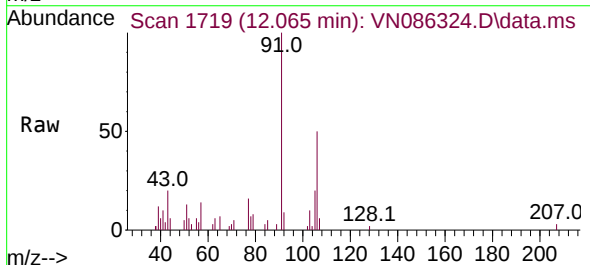
Instrument :
MSVOA_N
ClientSampleId :

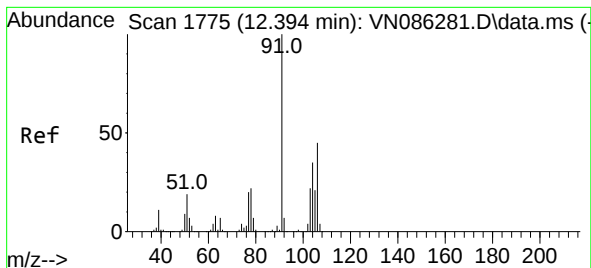
Tgt Ion: 91 Resp: 4941
Ion Ratio Lower Upper
91 100
106 26.2 24.3 36.5



#68
m/p-Xylenes
Concen: 1.335 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

Tgt Ion: 106 Resp: 7213
Ion Ratio Lower Upper
106 100
91 214.1 166.5 249.7





#69

o-Xylene

Concen: 0.351 ug/l

RT: 12.394 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086324.D

Acq: 17 Apr 2025 16:06

Instrument :

MSVOA_N

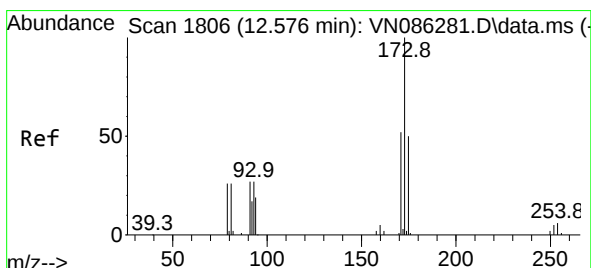
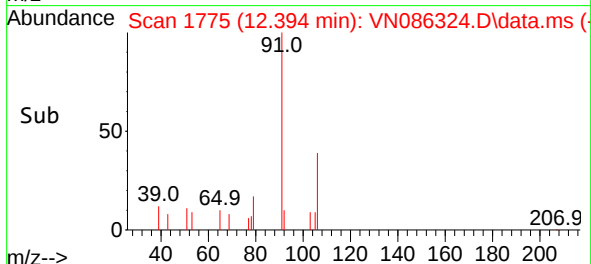
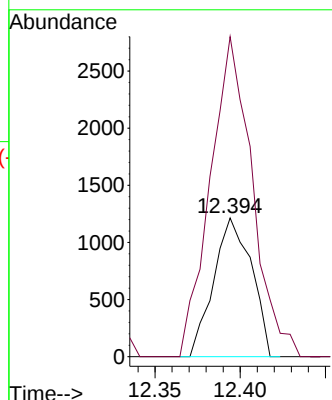
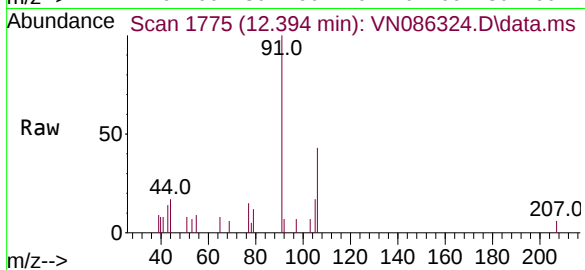
ClientSampleId :

Tgt Ion:106 Resp: 1877

Ion Ratio Lower Upper

106 100

91 255.5 109.7 329.0



#71

Bromoform

Concen: 0.515 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN086324.D

Acq: 17 Apr 2025 16:06

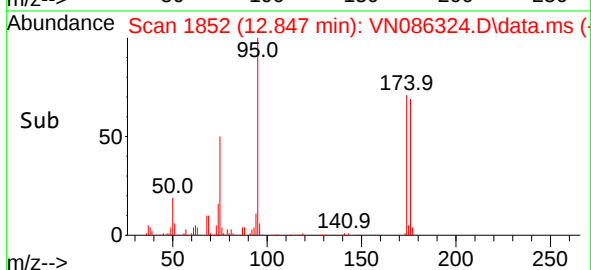
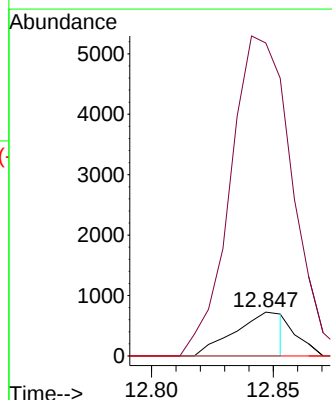
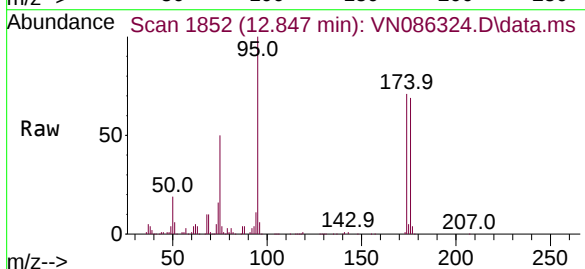
Tgt Ion:173 Resp: 1022

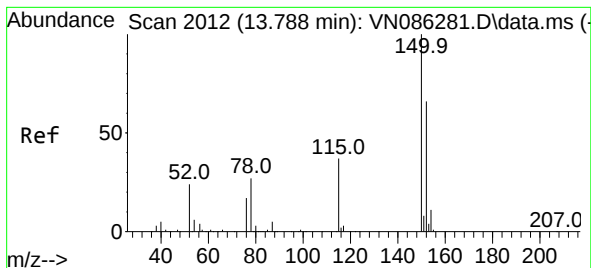
Ion Ratio Lower Upper

173 100

175 758.0 24.6 73.6#

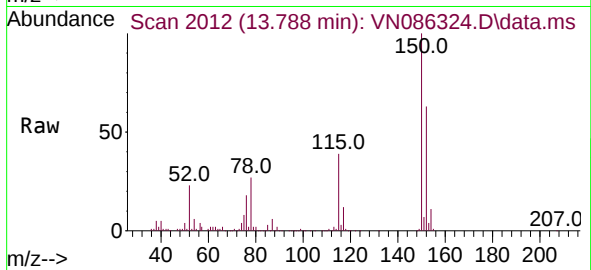
254 0.0 0.0 0.0



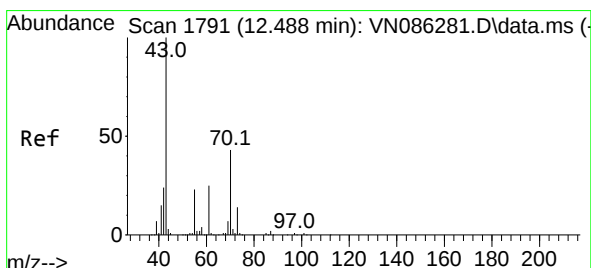
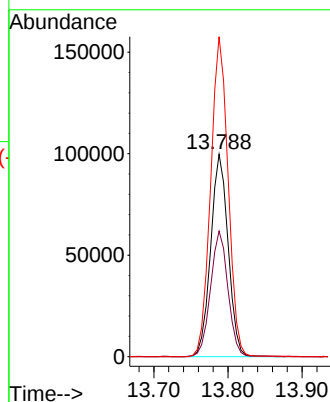
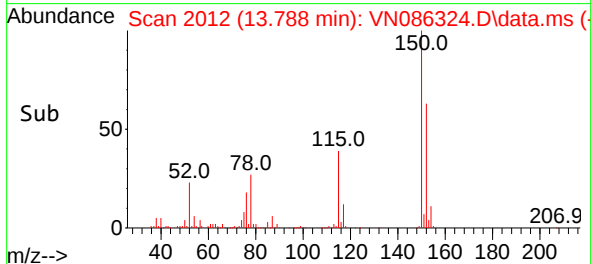


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

Instrument :
MSVOA_N
ClientSampleId :

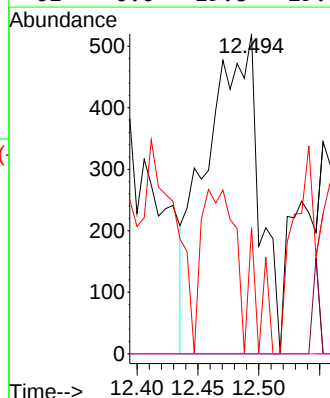
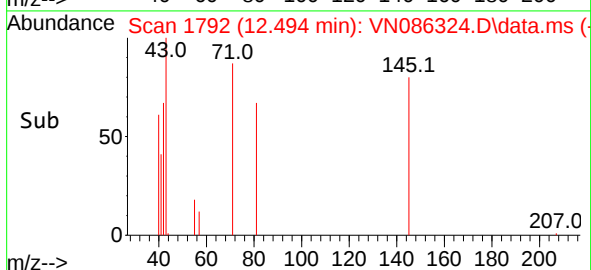
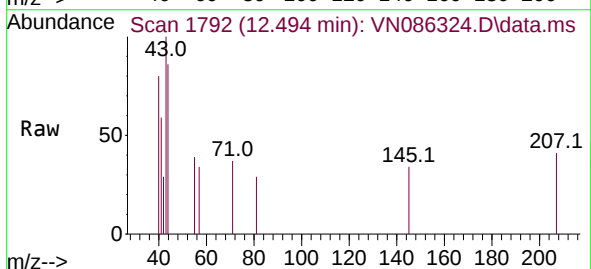


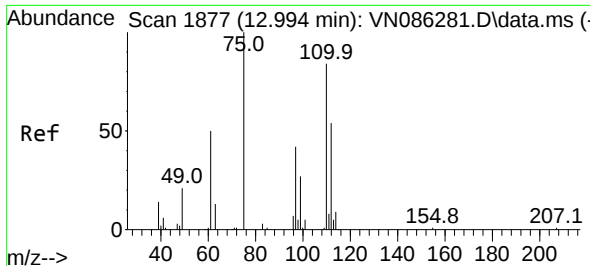
Tgt Ion:152 Resp: 162964
Ion Ratio Lower Upper
152 100
115 62.2 31.9 95.9
150 158.1 0.0 352.0



#74
N-ethyl acetate
Concen: 0.236 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

Tgt Ion: 43 Resp: 1564
Ion Ratio Lower Upper
43 100
70 0.0 35.0 52.4#
55 0.0 19.0 28.4#
61 0.0 19.8 29.8#

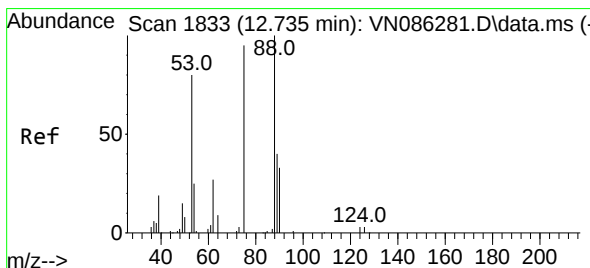
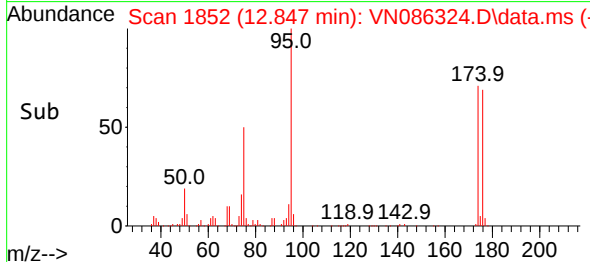
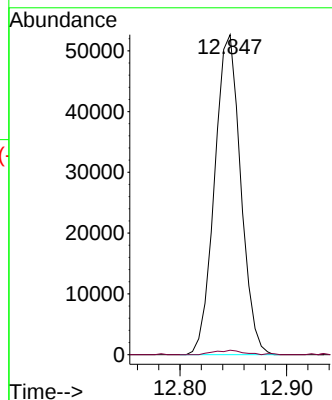
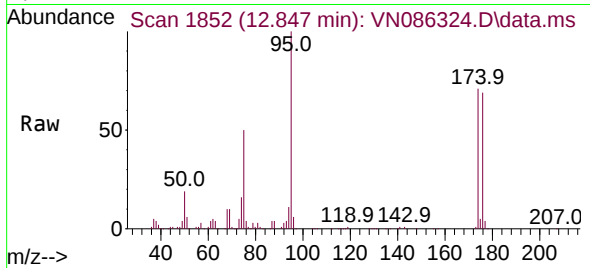




#76
1,2,3-Trichloropropane
Concen: 23.268 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

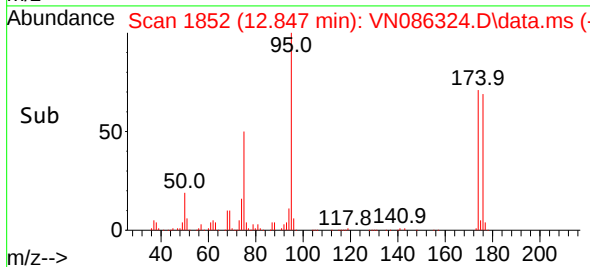
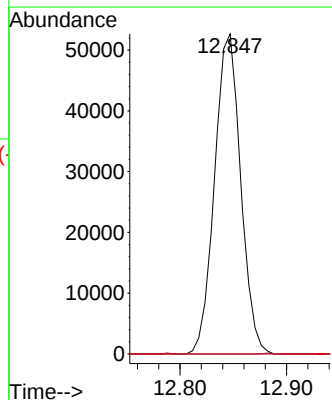
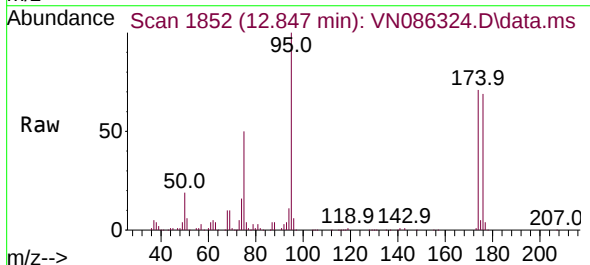
Instrument :
MSVOA_N
ClientSampleId :

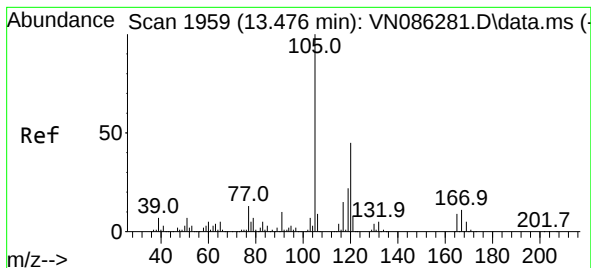
Tgt Ion: 75 Resp: 89481
Ion Ratio Lower Upper
75 100
77 1.5 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.881 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086324.D
Acq: 17 Apr 2025 16:06

Tgt Ion: 75 Resp: 89481
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#





#84

1,2,4-Trimethylbenzene

Concen: 0.906 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN086324.D

Acq: 17 Apr 2025 16:06

Instrument :

MSVOA_N

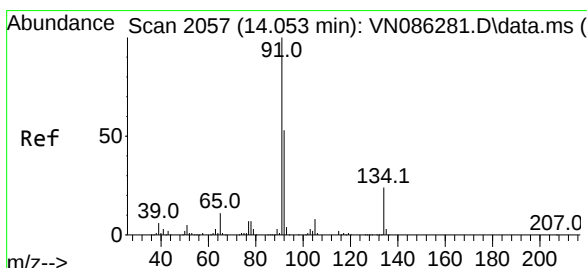
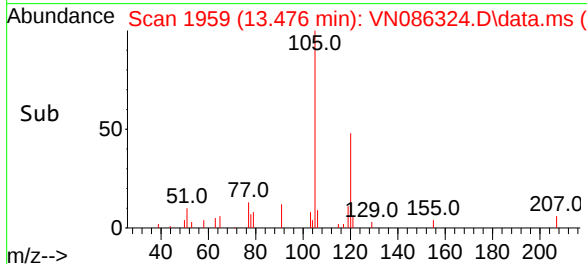
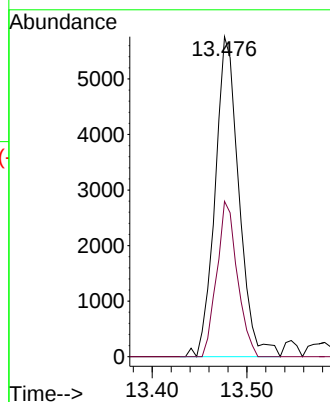
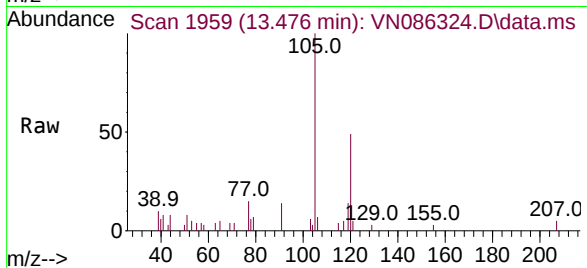
ClientSampleId :

Tgt Ion:105 Resp: 10058

Ion Ratio Lower Upper

105 100

120 41.7 22.4 67.3



#89

n-Butylbenzene

Concen: 0.260 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086324.D

Acq: 17 Apr 2025 16:06

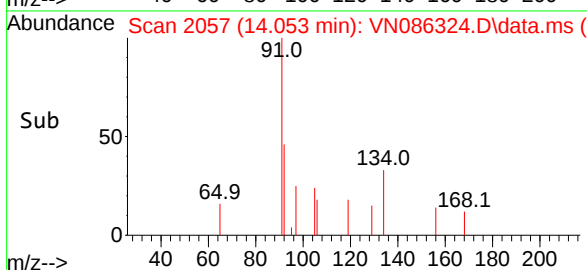
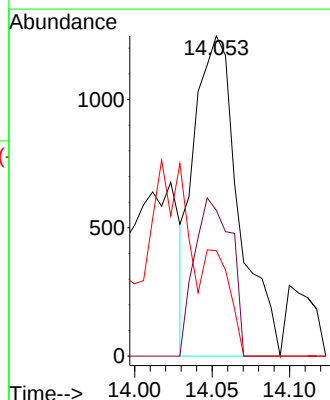
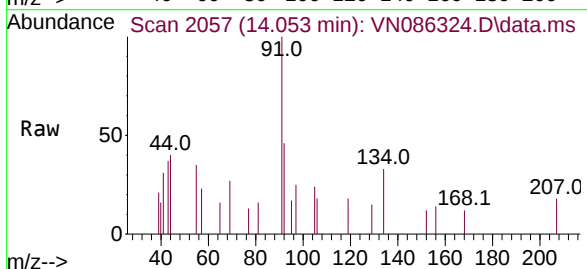
Tgt Ion: 91 Resp: 2492

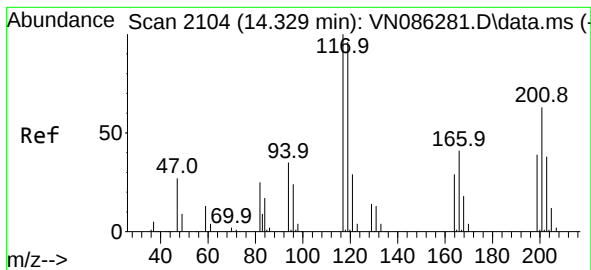
Ion Ratio Lower Upper

91 100

92 41.1 26.8 80.4

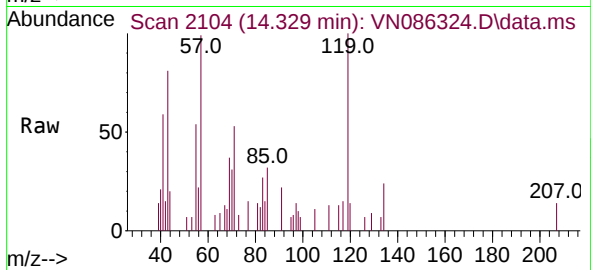
134 0.0 12.2 36.6#





#90
 Hexachloroethane
 Concen: 0.263 ug/l
 RT: 14.329 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN086324.D
 Acq: 17 Apr 2025 16:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:117 Resp: 478
 Ion Ratio Lower Upper
 117 100
 201 0.0 31.4 94.2#

