

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041725\
 Data File : VN086328.D
 Acq On : 17 Apr 2025 17:42
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

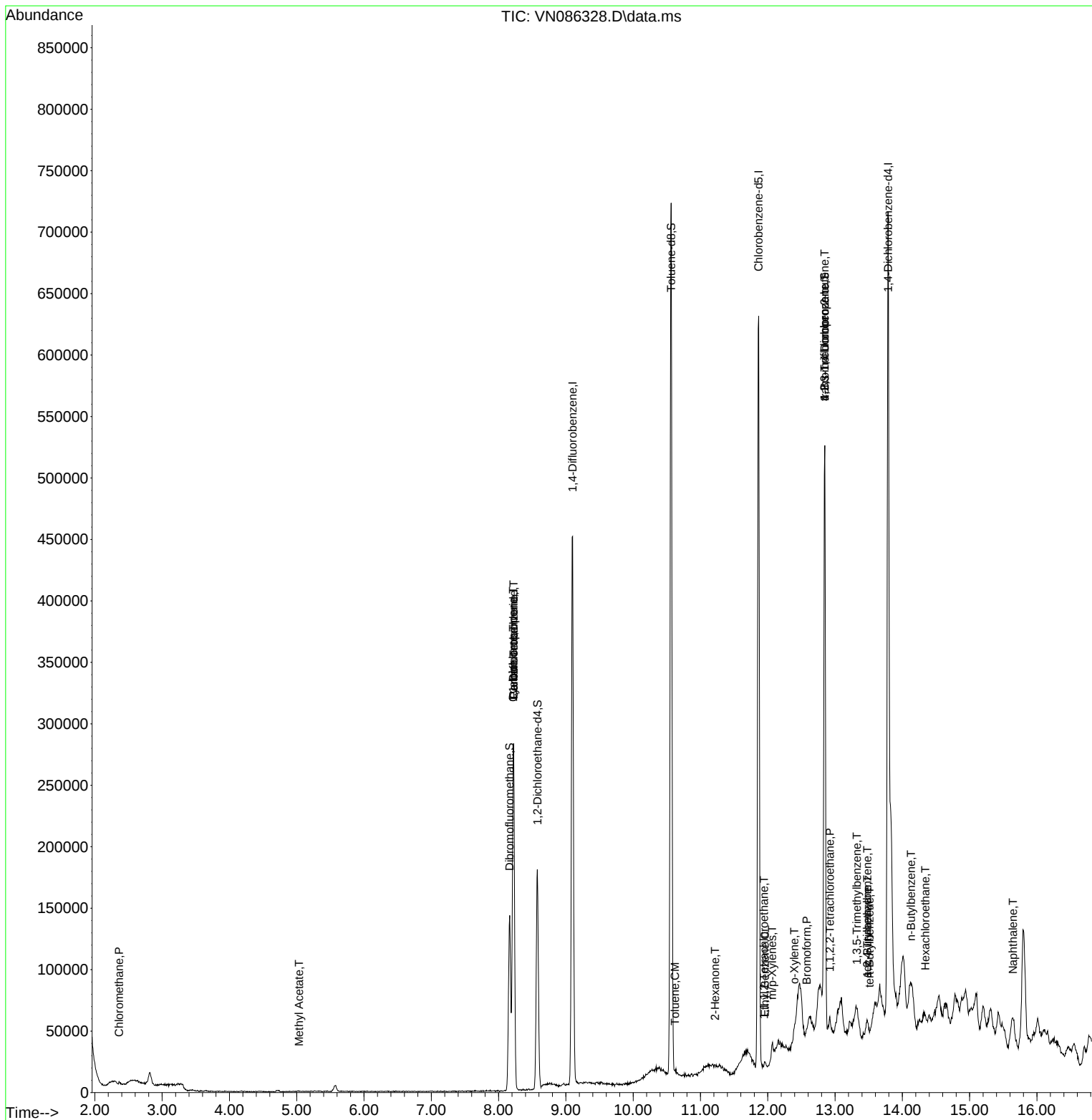
Quant Time: Apr 18 01:33:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

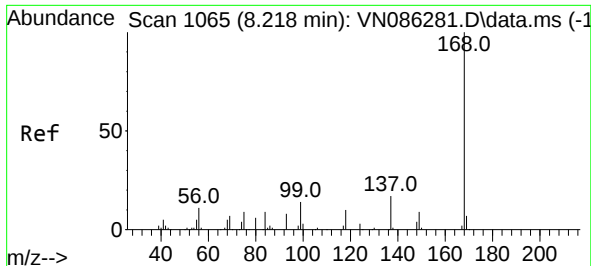
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	209609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	399764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	362053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	159190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146466	48.187	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.380%		
35) Dibromofluoromethane	8.165	113	104504	56.326	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	112.660%		
50) Toluene-d8	10.565	98	501196	50.545	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.080%		
62) 4-Bromofluorobenzene	12.847	95	181530	50.191	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.380%		
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1224	0.339	ug/l	89
13) Acrolein	4.183	56	166	Below Cal	#	55
16) Acetone	4.436	43	557	Below Cal	#	43
18) Methyl Acetate	5.036	43	884	0.242	ug/l #	51
31) Cyclohexane	8.218	56	5114	1.038	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17397	4.695	ug/l #	49
38) Carbon Tetrachloride	8.224	117	21928	6.214	ug/l #	16
43) Isopropyl Acetate	8.688	43	3444	Below Cal	#	55
52) Toluene	10.623	92	1569	0.212	ug/l #	75
59) 2-Hexanone	11.218	43	665	0.224	ug/l #	23
66) 1,1,1,2-Tetrachloroethane	11.947	131	627	0.235	ug/l #	20
67) Ethyl Benzene	11.959	91	3246	0.223	ug/l	99
68) m/p-Xylenes	12.065	106	4405	0.806	ug/l	87
69) o-Xylene	12.394	106	1311	0.243	ug/l	71
71) Bromoform	12.582	173	555	0.277	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.923	83	1227	0.328	ug/l #	40
76) 1,2,3-Trichloropropane	12.847	75	92990	24.753	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.323	105	9136	0.857	ug/l	65
81) trans-1,4-Dichloro-2-b...	12.847	75	92990	59.449	ug/l #	10
83) tert-Butylbenzene	13.512	119	2877	0.312	ug/l #	26
84) 1,2,4-Trimethylbenzene	13.482	105	3059	0.282	ug/l	72
85) sec-Butylbenzene	13.482	105	3059	0.239	ug/l	94
89) n-Butylbenzene	14.129	91	2811	0.300	ug/l #	33
90) Hexachloroethane	14.341	117	1787	1.006	ug/l #	19
95) Naphthalene	15.647	128	4130	0.463	ug/l #	69

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

Quant Time: Apr 18 01:33:16 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

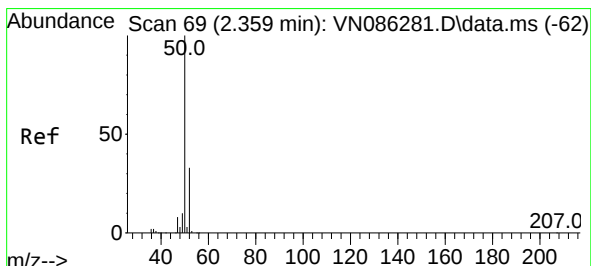
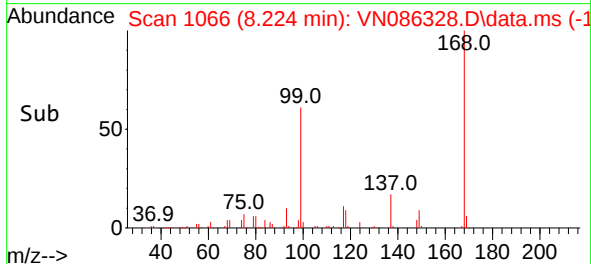
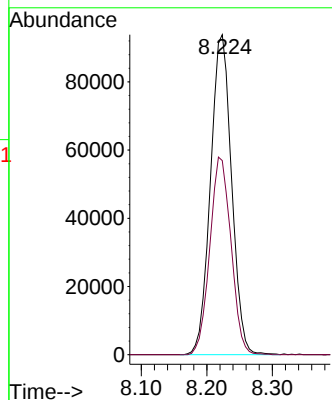
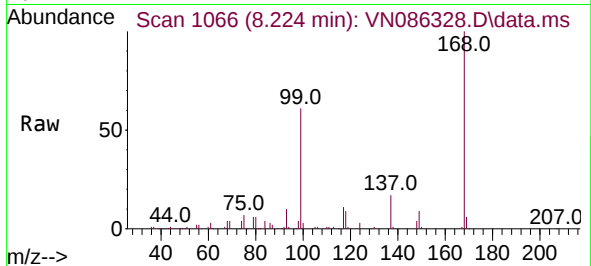




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

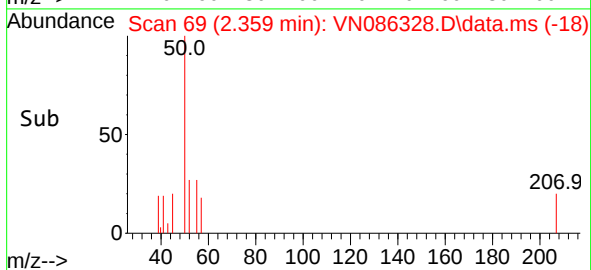
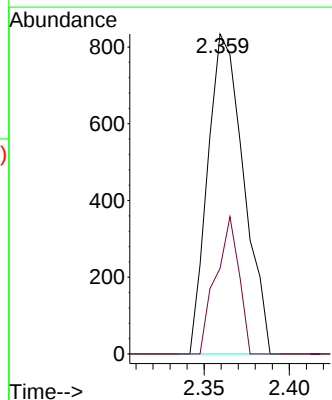
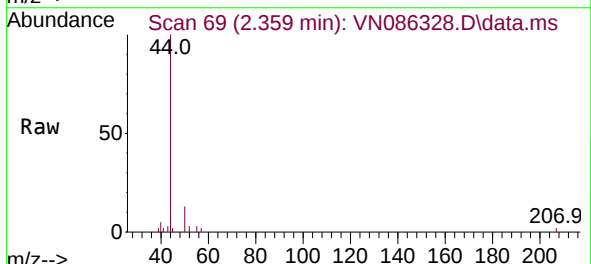
Instrument :
MSVOA_N
ClientSampleId :

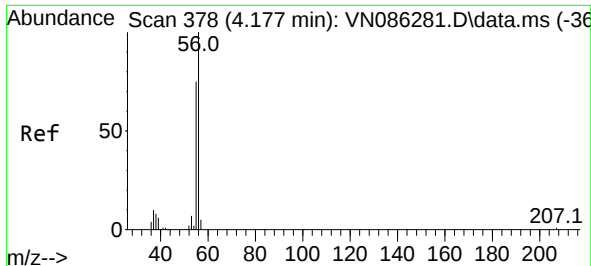
Tgt Ion:168 Resp: 209609
Ion Ratio Lower Upper
168 100
99 60.6 52.5 78.7



#3
Chloromethane
Concen: 0.339 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

Tgt Ion: 50 Resp: 1224
Ion Ratio Lower Upper
50 100
52 26.7 26.5 39.7

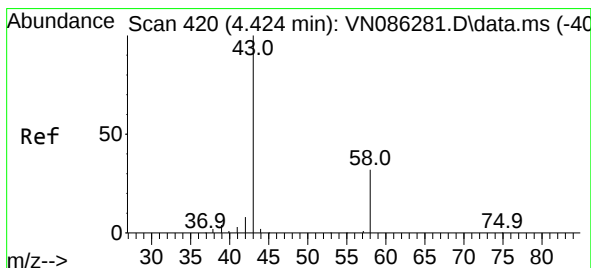
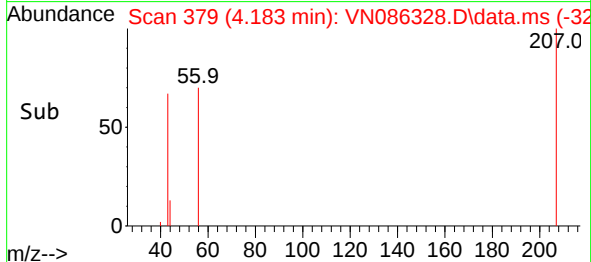
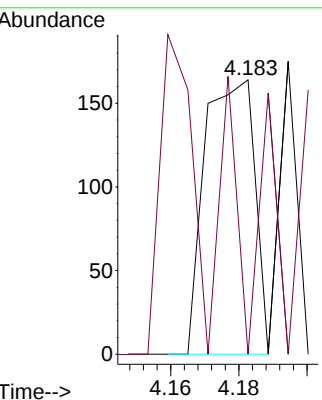
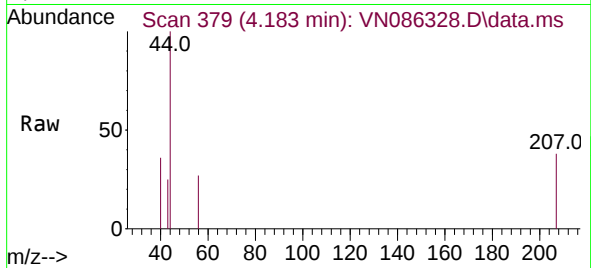




#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

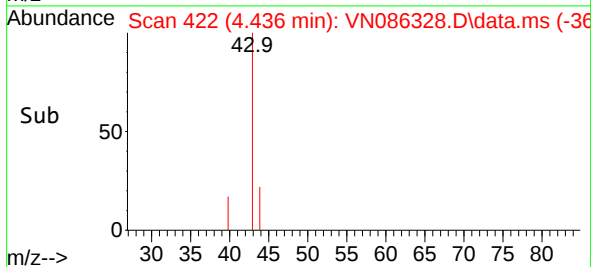
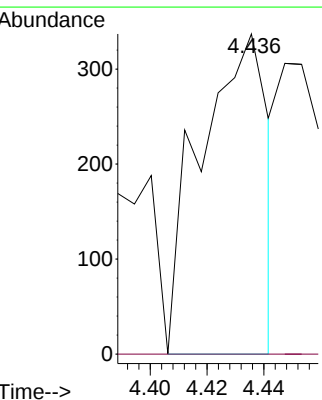
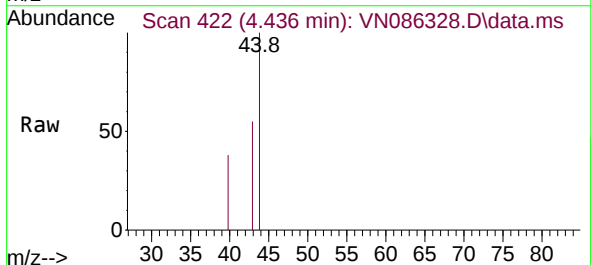
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 166
Ion Ratio Lower Upper
56 100
55 35.5 58.5 87.7#



#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

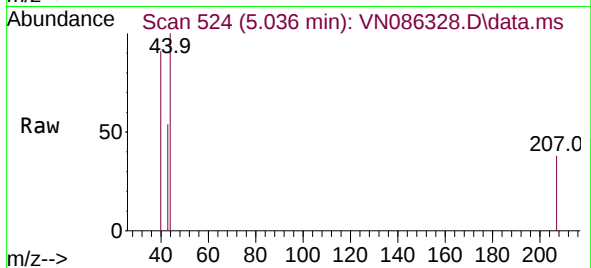
Tgt Ion: 43 Resp: 557
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



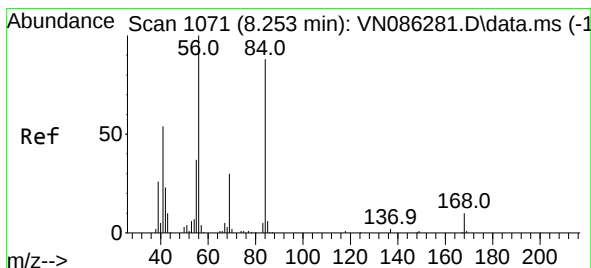
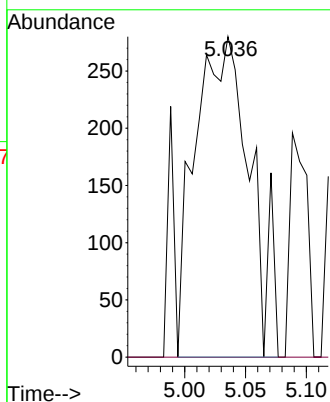
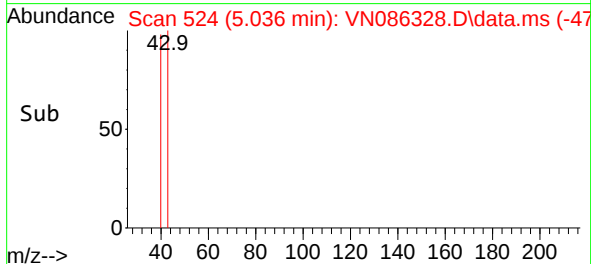


#18
Methyl Acetate
Concen: 0.242 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

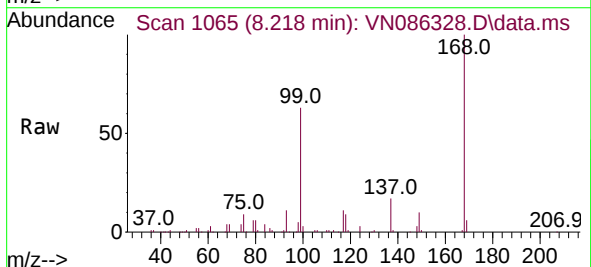
Instrument :
MSVOA_N
ClientSampleId :



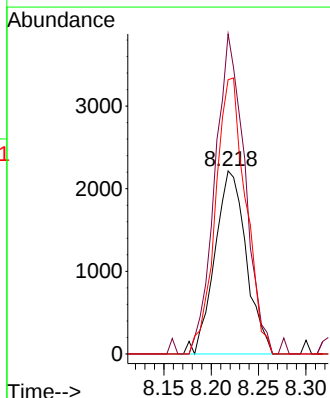
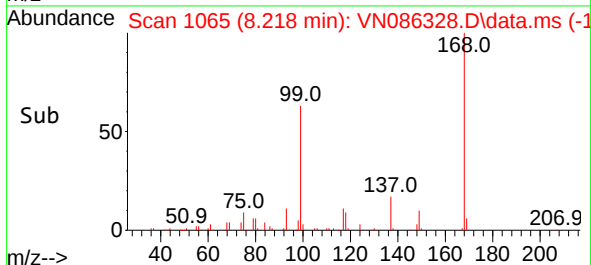
Tgt Ion: 43 Resp: 884
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#

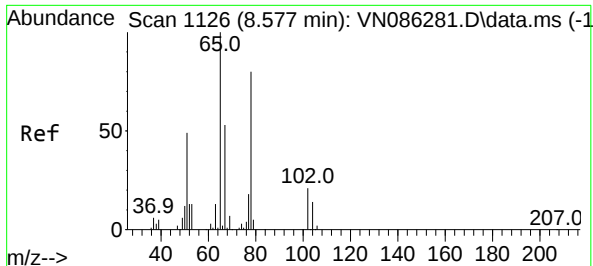


#31
Cyclohexane
Concen: 1.038 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42



Tgt Ion: 56 Resp: 5114
Ion Ratio Lower Upper
56 100
69 174.9 24.2 36.2#
84 149.9 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 48.187 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086328.D

Acq: 17 Apr 2025 17:42

Instrument :

MSVOA_N

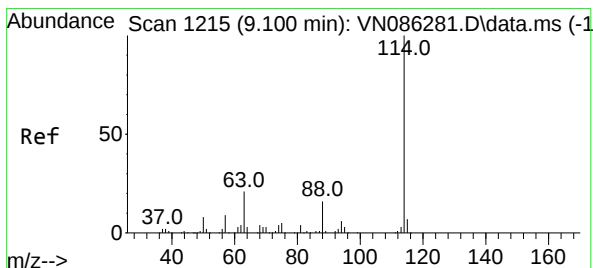
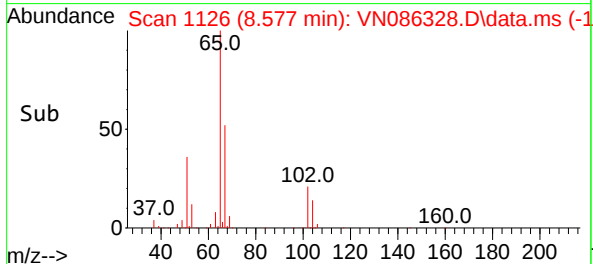
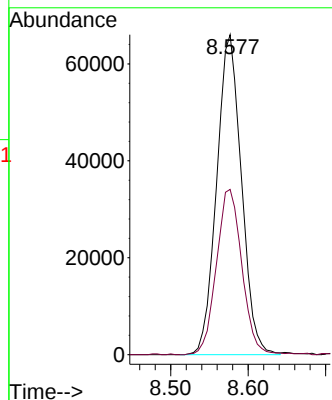
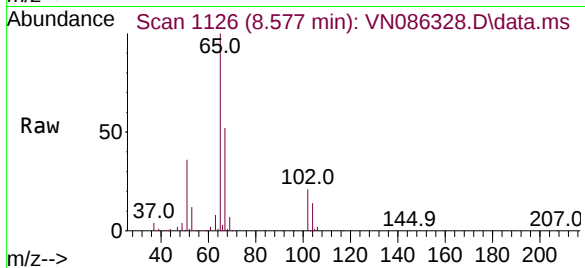
ClientSampleId :

Tgt Ion: 65 Resp: 146466

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086328.D

Acq: 17 Apr 2025 17:42

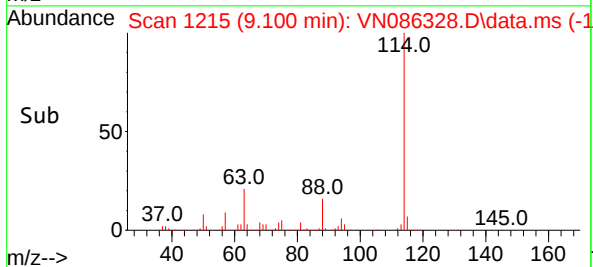
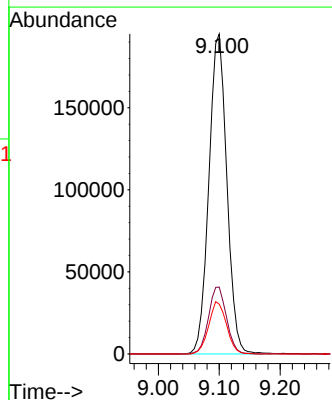
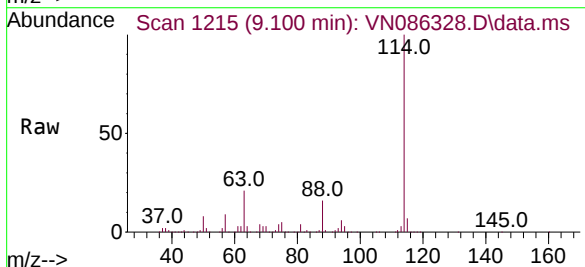
Tgt Ion: 114 Resp: 399764

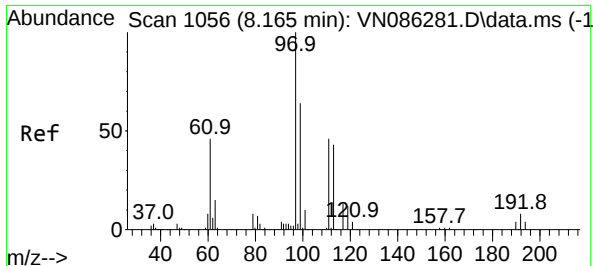
Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 56.326 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

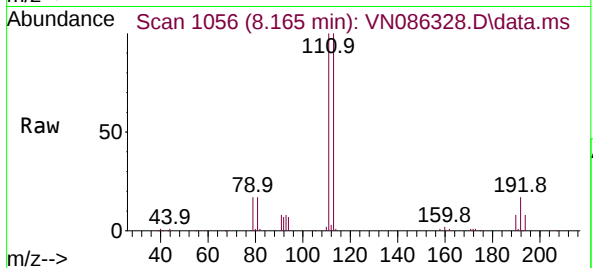
Lab File: VN086328.D

Acq: 17 Apr 2025 17:42

Instrument :

MSVOA_N

ClientSampleId :



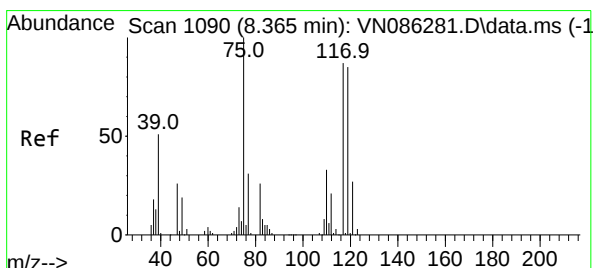
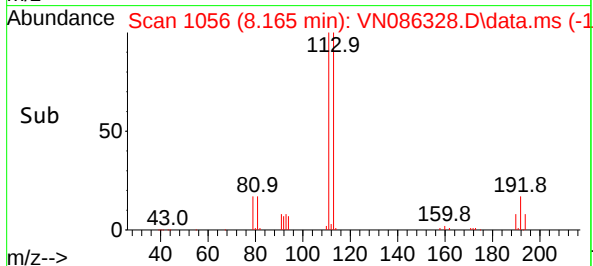
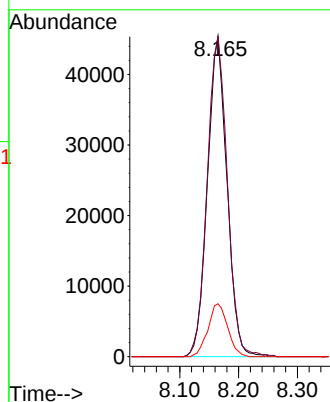
Tgt Ion:113 Resp: 104504

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.0

192 16.7 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.695 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086328.D

Acq: 17 Apr 2025 17:42

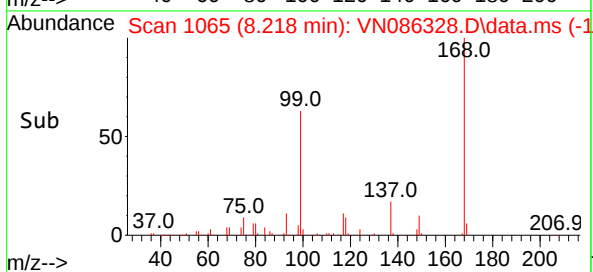
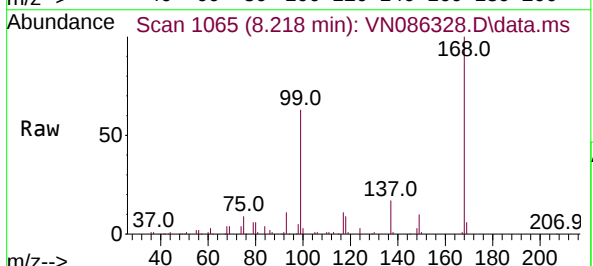
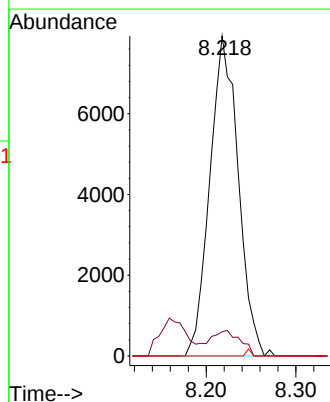
Tgt Ion: 75 Resp: 17397

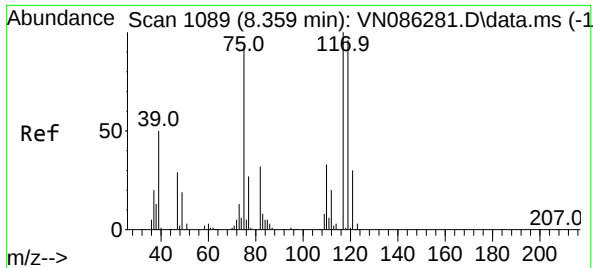
Ion Ratio Lower Upper

75 100

110 7.6 16.8 50.4#

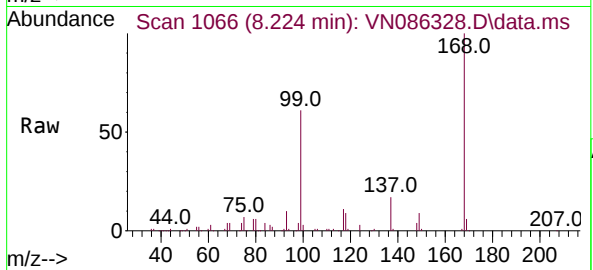
77 0.0 24.9 37.3#



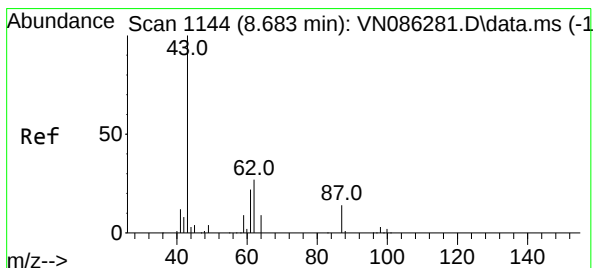
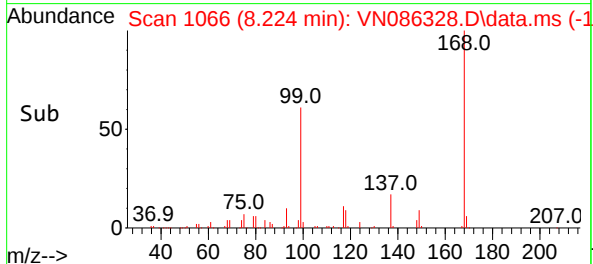
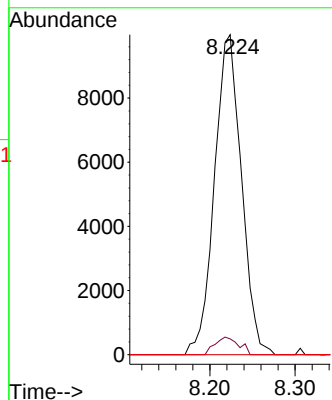


#38
Carbon Tetrachloride
Concen: 6.214 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

Instrument :
MSVOA_N
ClientSampleId :

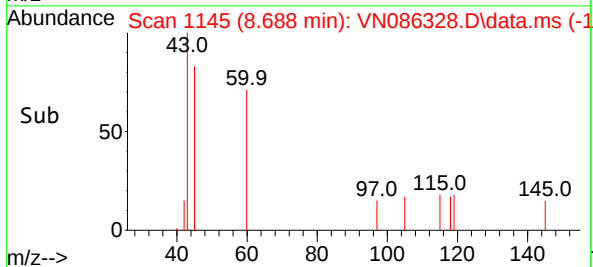
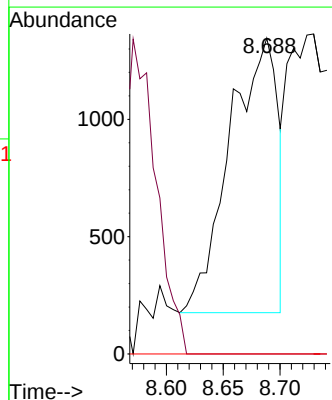
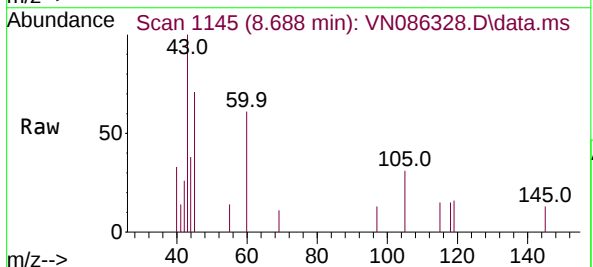


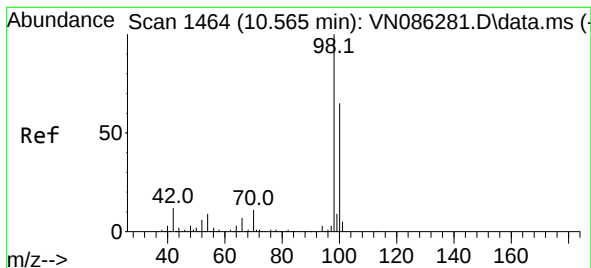
Tgt Ion:117 Resp: 21928
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.688 min Scan# 1145
Delta R.T. 0.005 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

Tgt Ion: 43 Resp: 3444
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

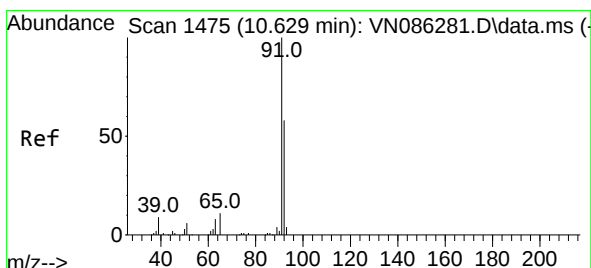
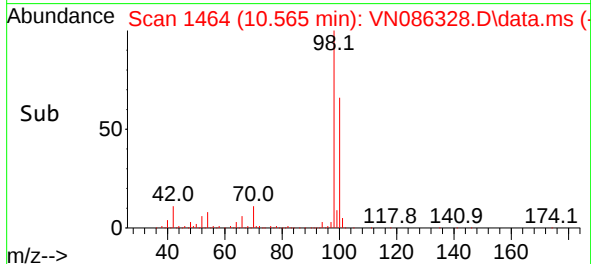
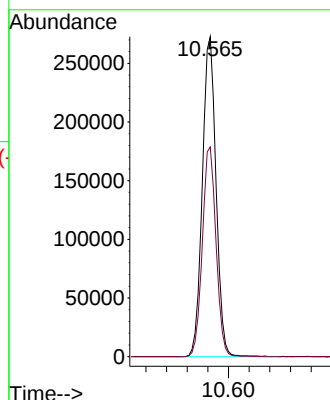
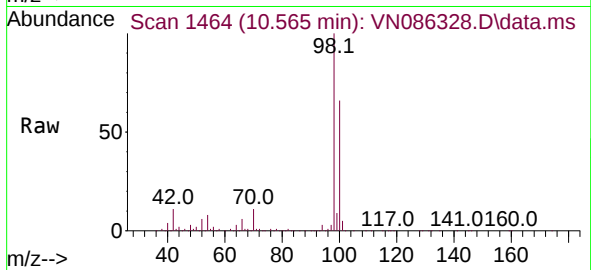




#50
Toluene-d8
Concen: 50.545 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

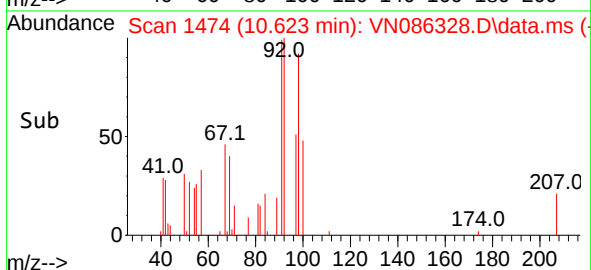
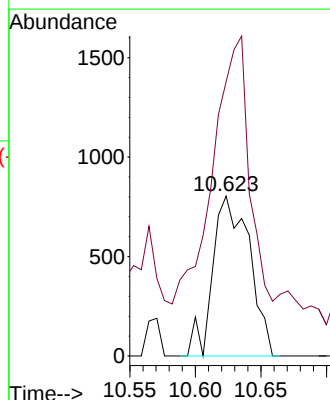
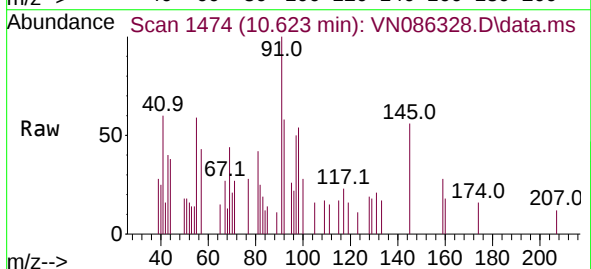
Instrument :
MSVOA_N
ClientSampleId :

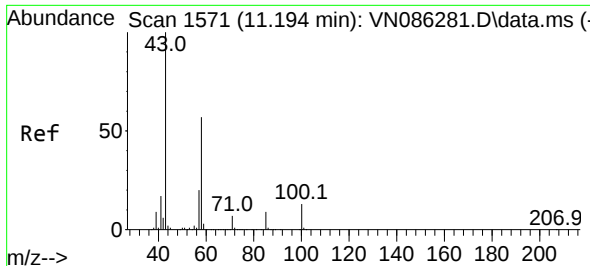
Tgt Ion: 98 Resp: 501196
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#52
Toluene
Concen: 0.212 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

Tgt Ion: 92 Resp: 1569
Ion Ratio Lower Upper
92 100
91 206.4 137.3 205.9#

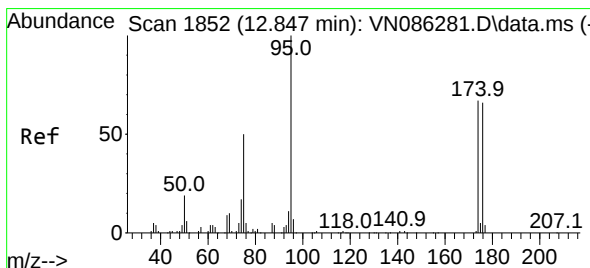
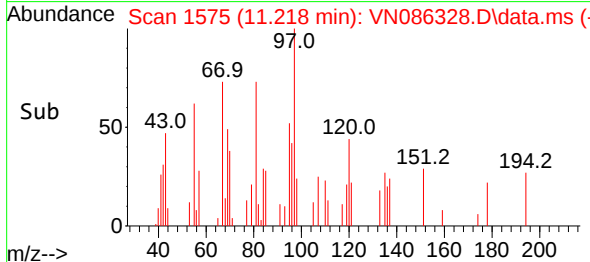
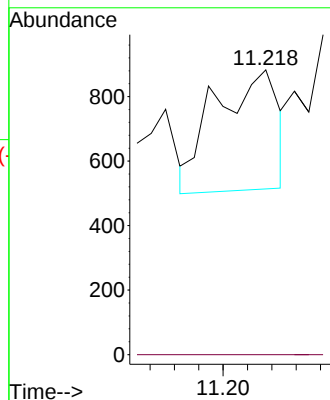
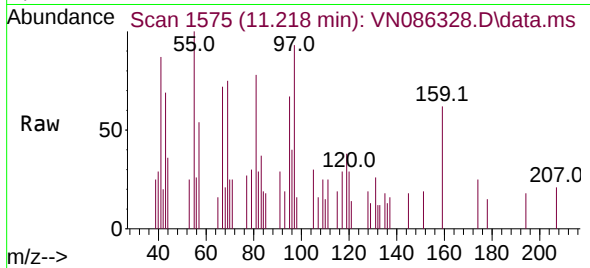




#59
2-Hexanone
Concen: 0.224 ug/l
RT: 11.218 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

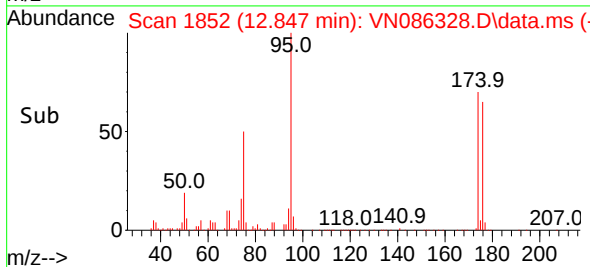
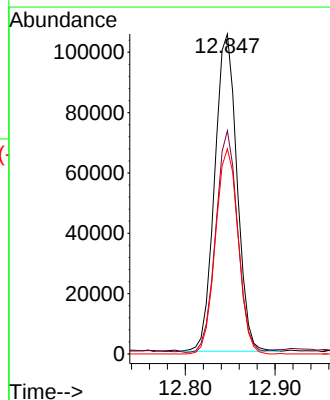
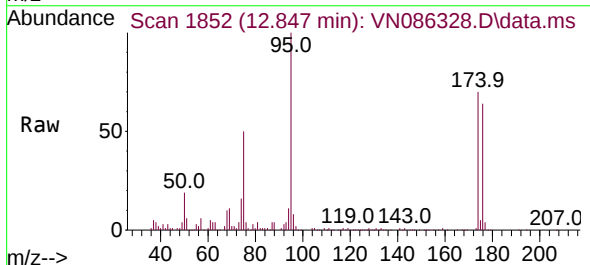
Instrument :
MSVOA_N
ClientSampleId :

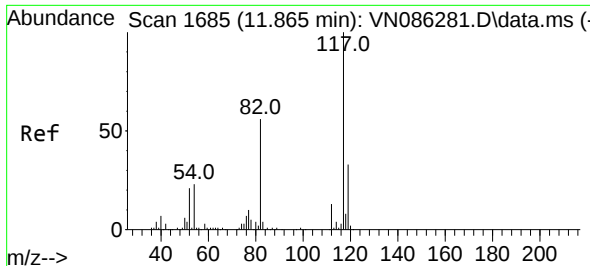
Tgt Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
58 0.0 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 50.191 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

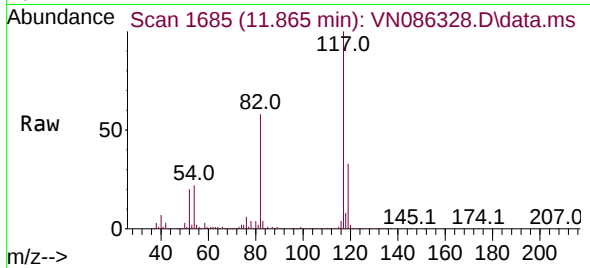
Tgt Ion: 95 Resp: 181530
Ion Ratio Lower Upper
95 100
174 68.5 0.0 133.4
176 66.0 0.0 129.2



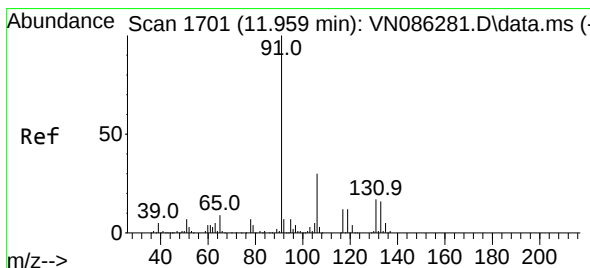
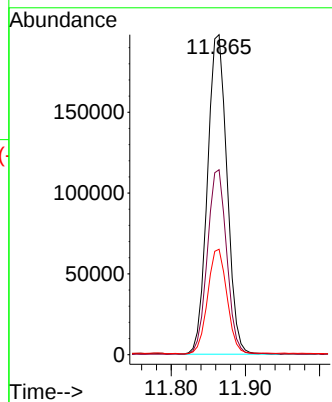
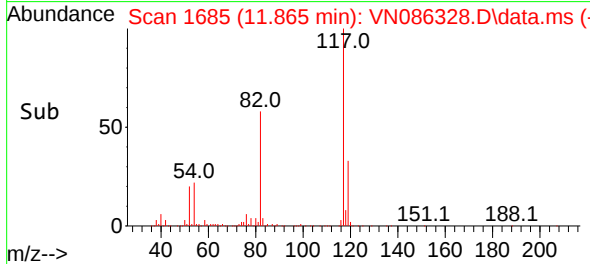


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

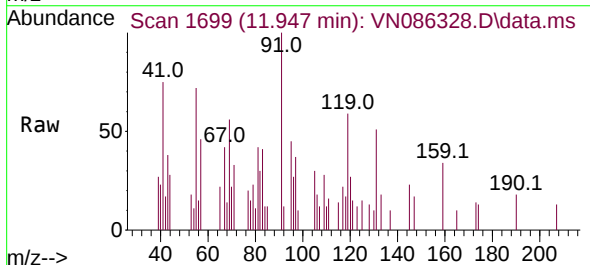
Instrument :
MSVOA_N
ClientSampleId :



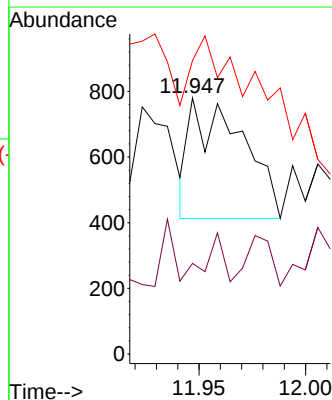
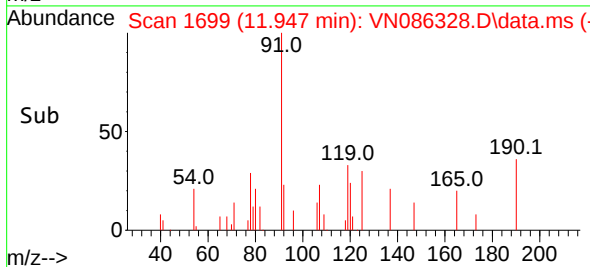
Tgt Ion:117 Resp: 362053
Ion Ratio Lower Upper
117 100
82 57.7 44.7 67.1
119 32.7 26.4 39.6

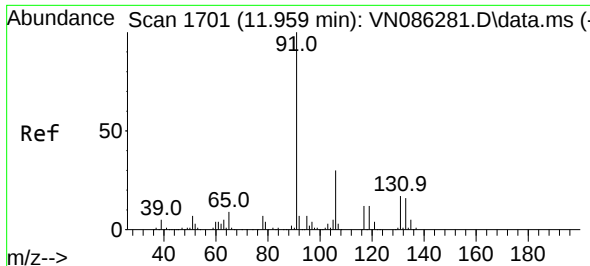


#66
1,1,1,2-Tetrachloroethane
Concen: 0.235 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. -0.012 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42



Tgt Ion:131 Resp: 627
Ion Ratio Lower Upper
131 100
133 19.0 47.1 141.3#
119 0.0 33.8 101.4#

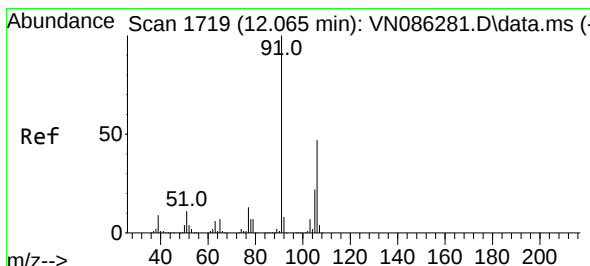
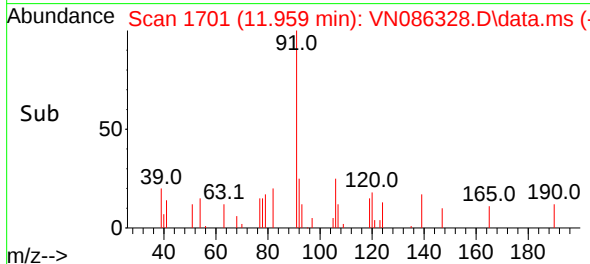
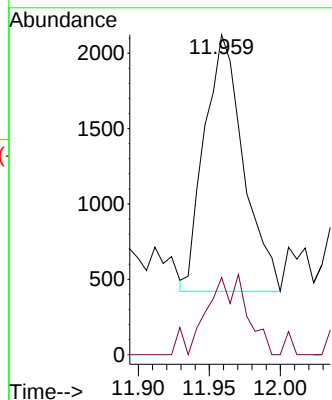
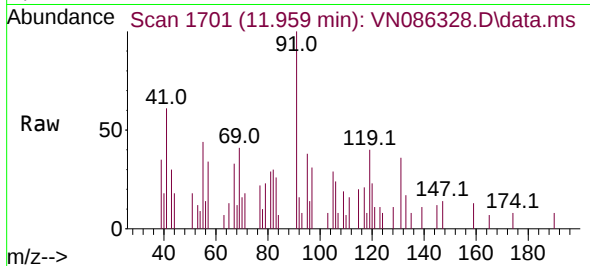




#67
Ethyl Benzene
Concen: 0.223 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

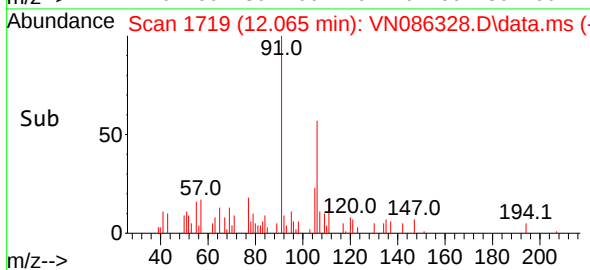
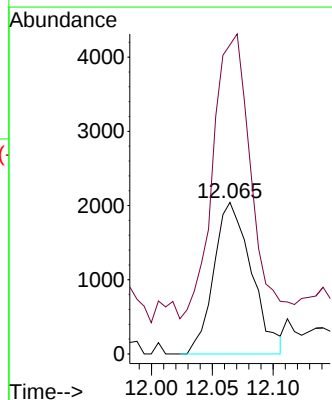
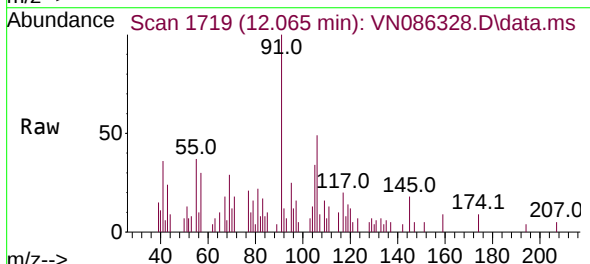
Instrument :
MSVOA_N
ClientSampleId :

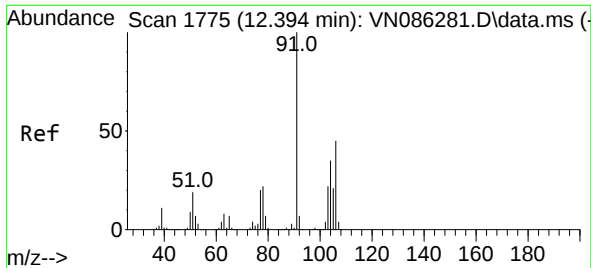
Tgt Ion: 91 Resp: 3246
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5



#68
m/p-Xylenes
Concen: 0.806 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

Tgt Ion: 106 Resp: 4405
Ion Ratio Lower Upper
106 100
91 188.5 166.5 249.7

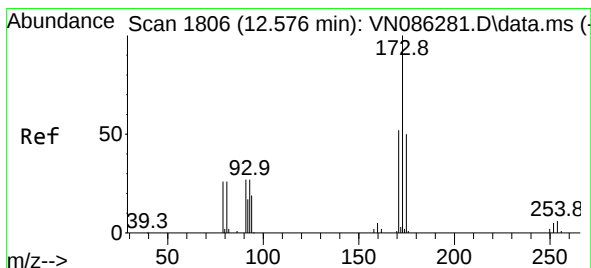
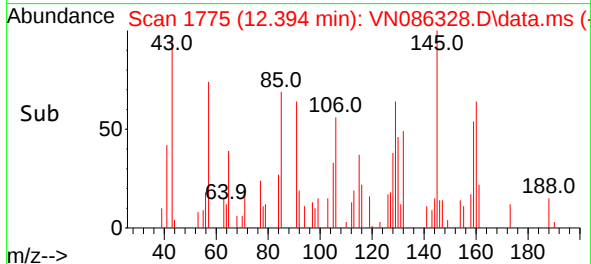
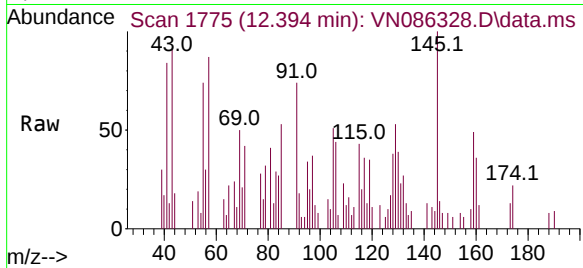




#69
o-Xylene
Concen: 0.243 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

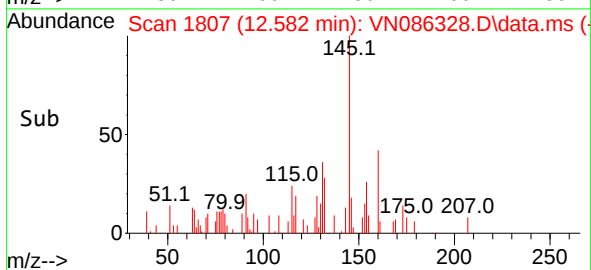
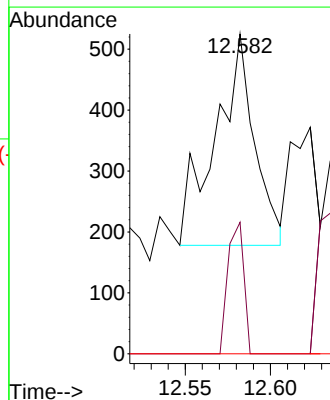
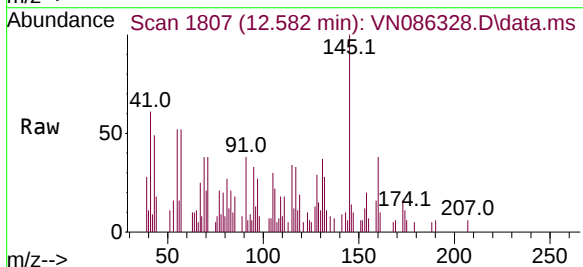
Instrument :
MSVOA_N
ClientSampleId :

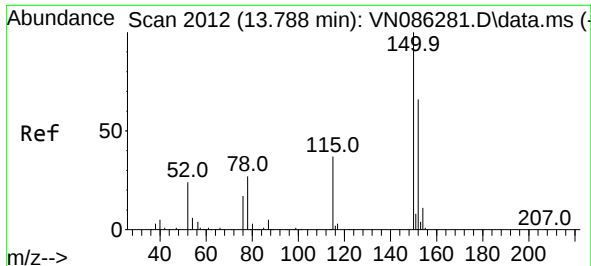
Tgt Ion:106 Resp: 1311
Ion Ratio Lower Upper
106 100
91 172.2 109.7 329.0



#71
Bromoform
Concen: 0.277 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

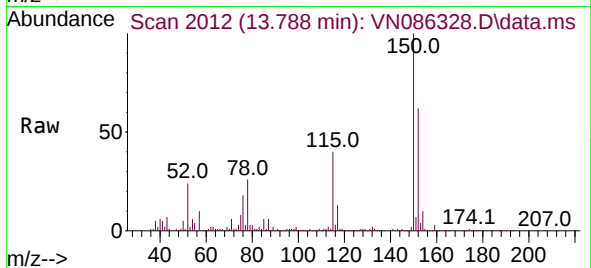
Tgt Ion:173 Resp: 555
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.0 0.0



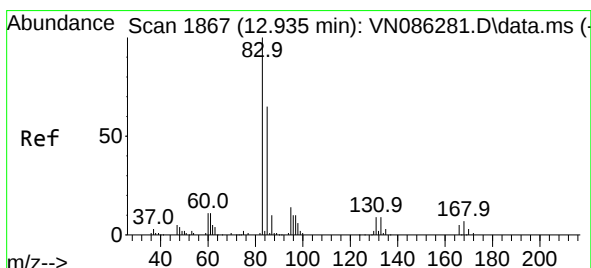
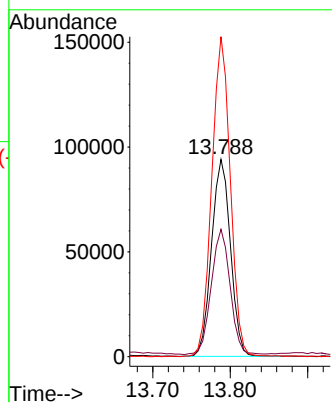
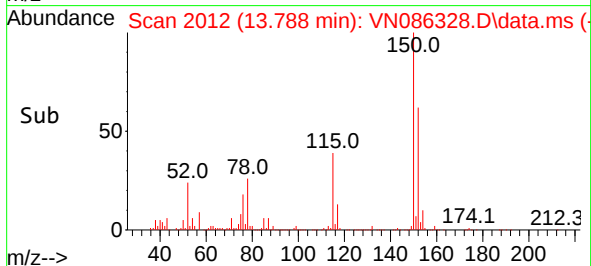


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086328.D
 Acq: 17 Apr 2025 17:42

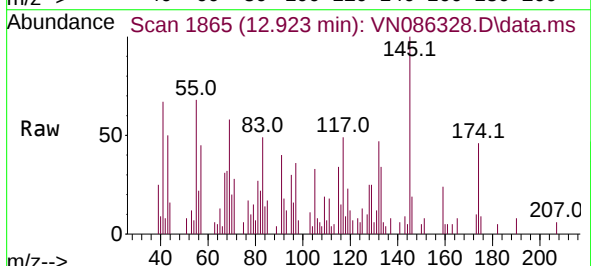
Instrument :
 MSVOA_N
 ClientSampleId :



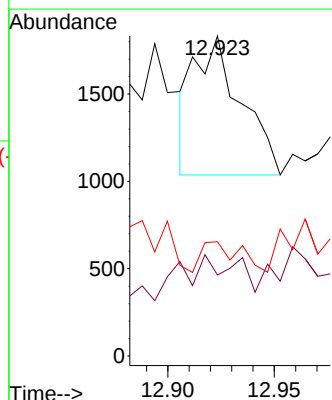
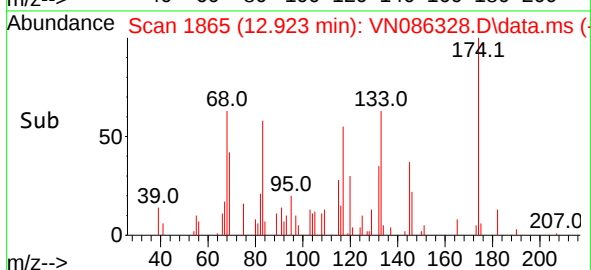
Tgt Ion:152 Resp: 159190
 Ion Ratio Lower Upper
 152 100
 115 63.2 31.9 95.9
 150 159.3 0.0 352.0

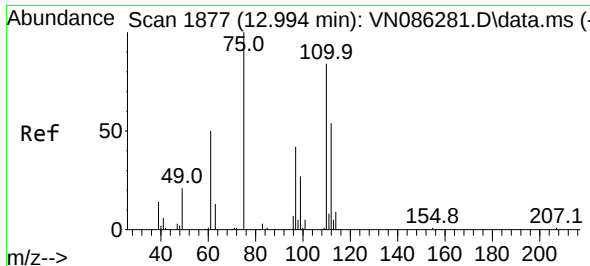


#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.328 ug/l
 RT: 12.923 min Scan# 1865
 Delta R.T. -0.012 min
 Lab File: VN086328.D
 Acq: 17 Apr 2025 17:42



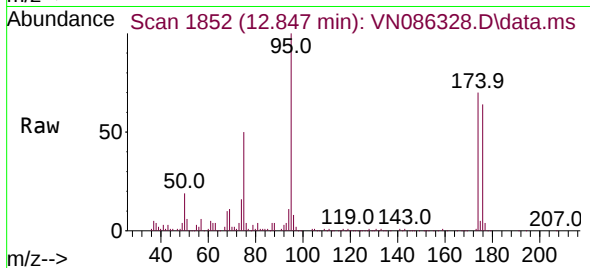
Tgt Ion: 83 Resp: 1227
 Ion Ratio Lower Upper
 83 100
 131 29.8 4.7 14.1#
 85 17.7 32.7 98.1#



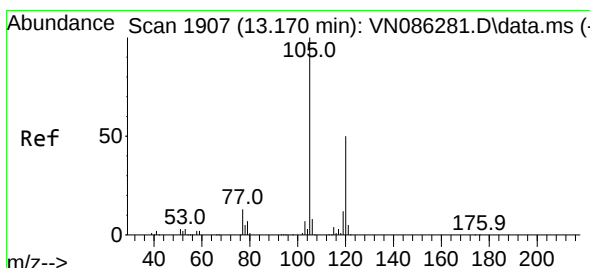
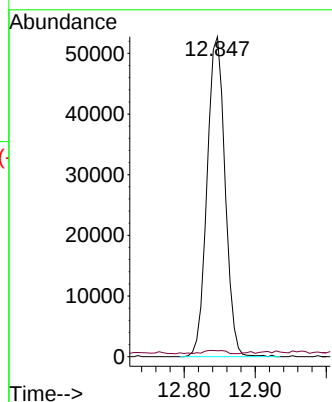
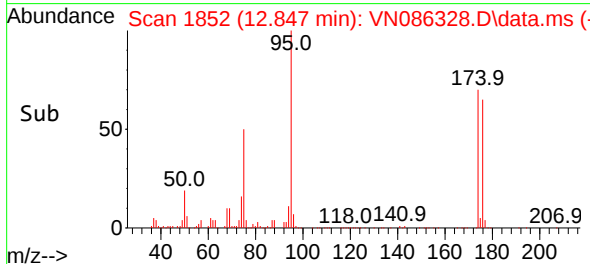


#76
 1,2,3-Trichloropropane
 Concen: 24.753 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. -0.147 min
 Lab File: VN086328.D
 Acq: 17 Apr 2025 17:42

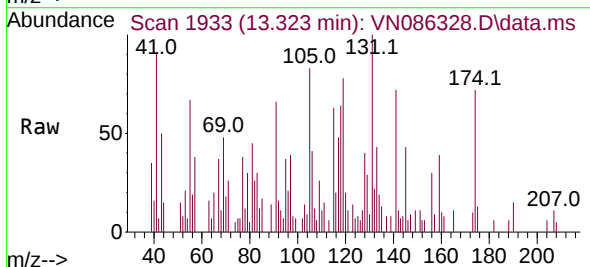
Instrument :
 MSVOA_N
 ClientSampleId :



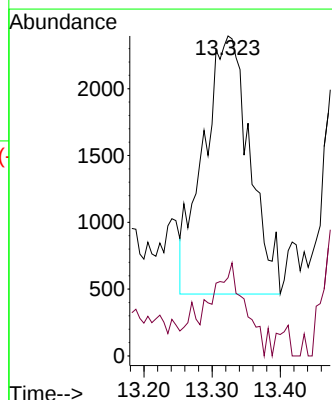
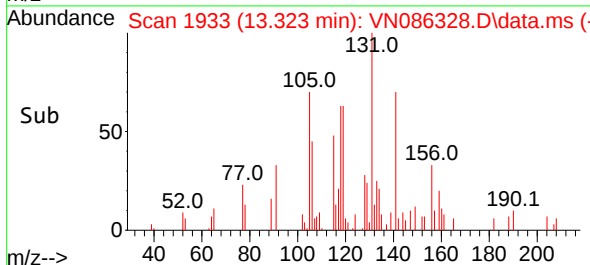
Tgt Ion: 75 Resp: 92990
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.8 296.4#

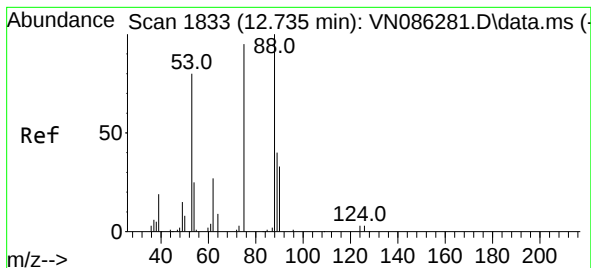


#80
 1,3,5-Trimethylbenzene
 Concen: 0.857 ug/l
 RT: 13.323 min Scan# 1933
 Delta R.T. 0.153 min
 Lab File: VN086328.D
 Acq: 17 Apr 2025 17:42



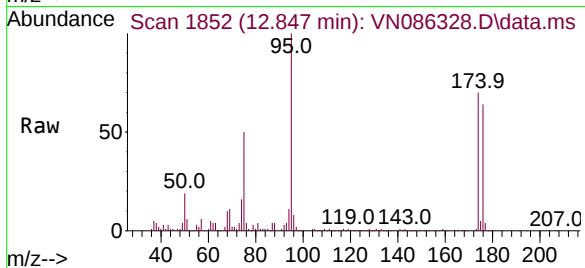
Tgt Ion: 105 Resp: 9136
 Ion Ratio Lower Upper
 105 100
 120 25.1 24.5 73.5



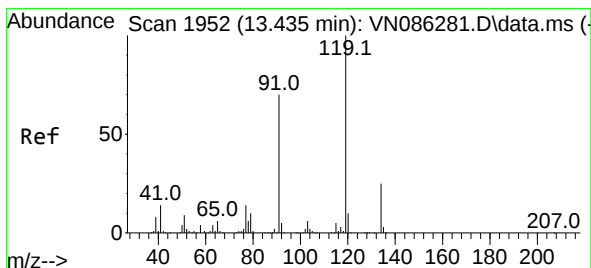
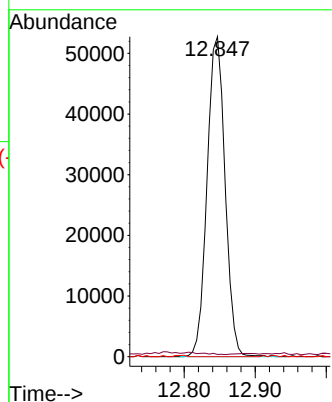
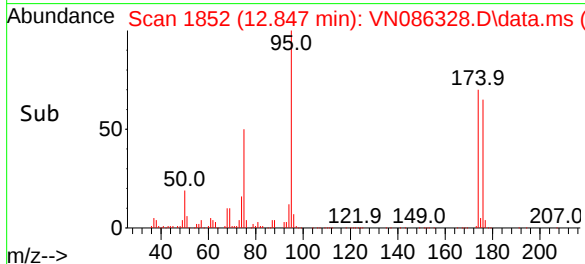


#81
trans-1,4-Dichloro-2-butene
Concen: 59.449 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42

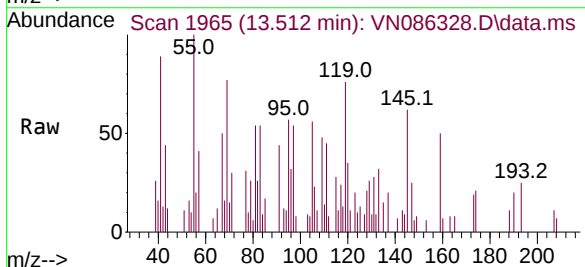
Instrument :
MSVOA_N
ClientSampleId :



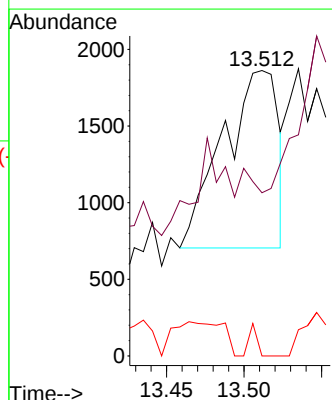
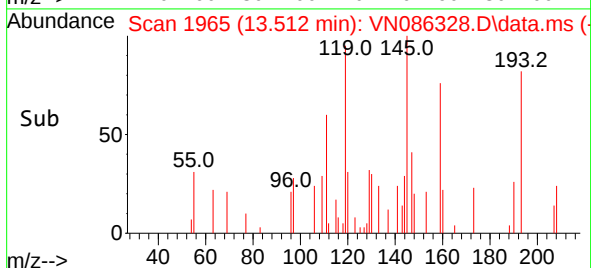
Tgt Ion: 75 Resp: 92990
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#

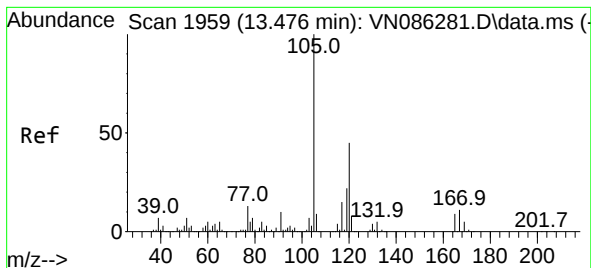


#83
tert-Butylbenzene
Concen: 0.312 ug/l
RT: 13.512 min Scan# 1965
Delta R.T. 0.076 min
Lab File: VN086328.D
Acq: 17 Apr 2025 17:42



Tgt Ion: 119 Resp: 2877
Ion Ratio Lower Upper
119 100
91 0.0 34.4 103.3#
134 2.6 13.0 39.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.282 ug/l

RT: 13.482 min Scan# 1959

Delta R.T. 0.006 min

Lab File: VN086328.D

Acq: 17 Apr 2025 17:42

Instrument :

MSVOA_N

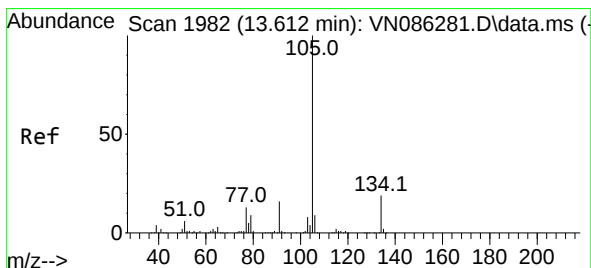
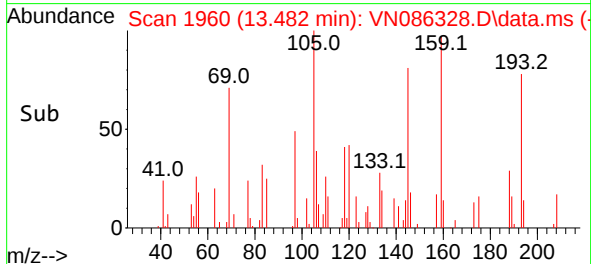
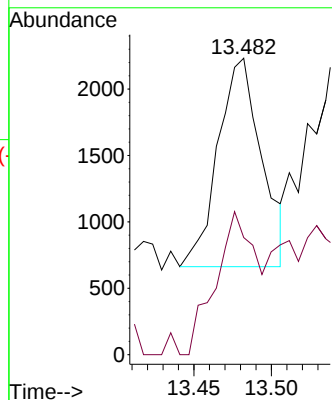
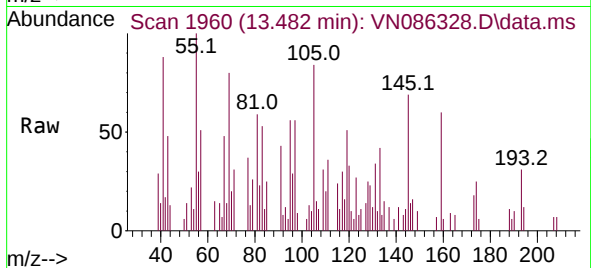
ClientSampleId :

Tgt Ion:105 Resp: 3059

Ion Ratio Lower Upper

105 100

120 63.0 22.4 67.3



#85

sec-Butylbenzene

Concen: 0.239 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.130 min

Lab File: VN086328.D

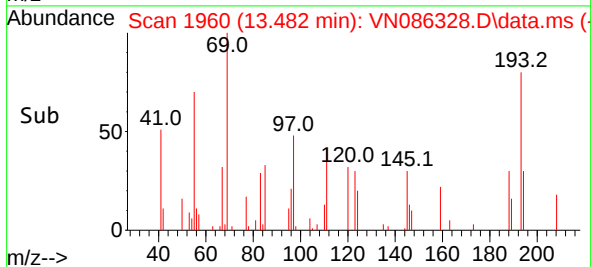
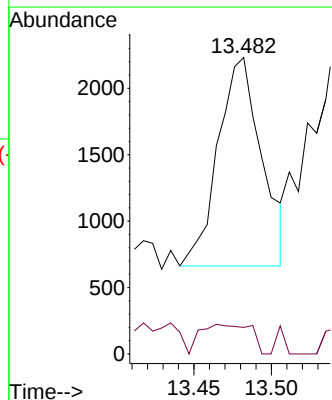
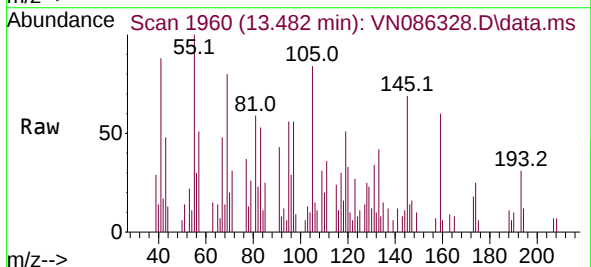
Acq: 17 Apr 2025 17:42

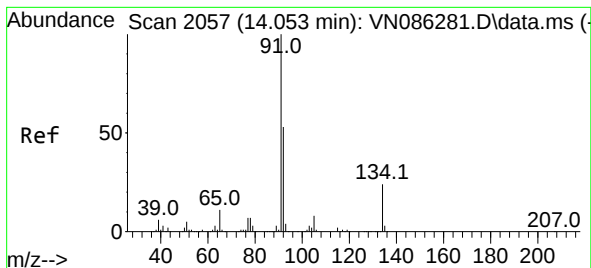
Tgt Ion:105 Resp: 3059

Ion Ratio Lower Upper

105 100

134 16.5 9.7 29.1





#89

n-Butylbenzene

Concen: 0.300 ug/l

RT: 14.129 min Scan# 2057

Delta R.T. 0.076 min

Lab File: VN086328.D

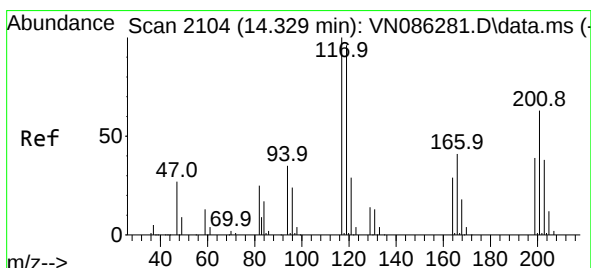
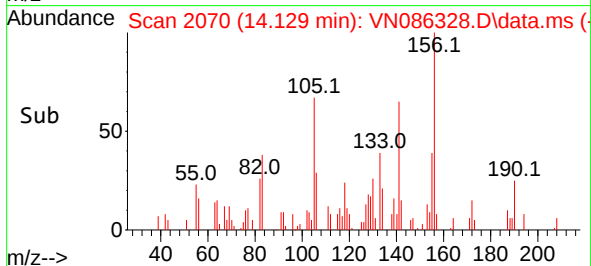
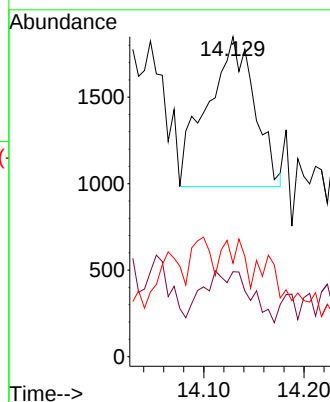
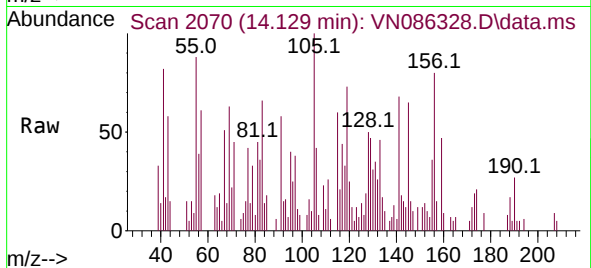
Acq: 17 Apr 2025 17:42

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp: 2811
Ion Ratio	Lower Upper
91	100
92	0.0 26.8 80.4#
134	0.0 12.2 36.6#



#90

Hexachloroethane

Concen: 1.006 ug/l

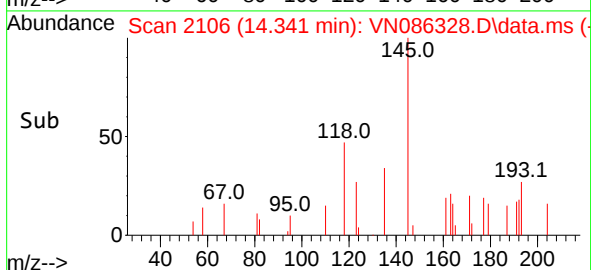
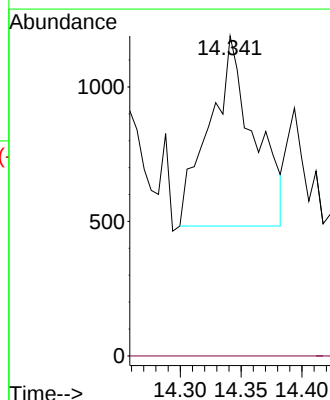
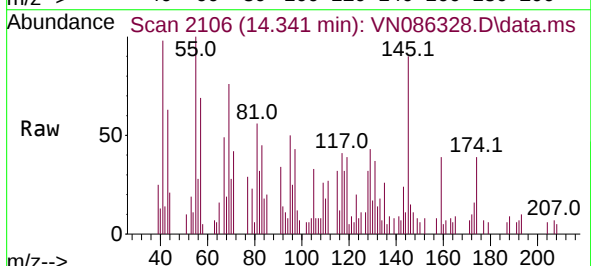
RT: 14.341 min Scan# 2106

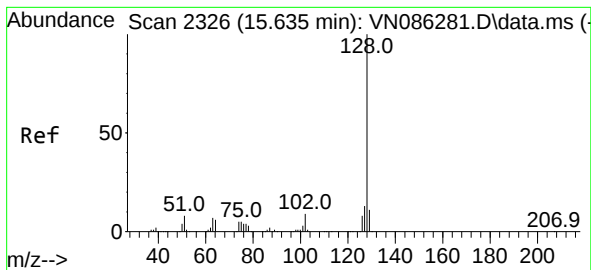
Delta R.T. 0.012 min

Lab File: VN086328.D

Acq: 17 Apr 2025 17:42

Tgt Ion: 117	Resp: 1787
Ion Ratio	Lower Upper
117	100
201	0.0 31.4 94.2#





#95

Naphthalene

Concen: 0.463 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.012 min

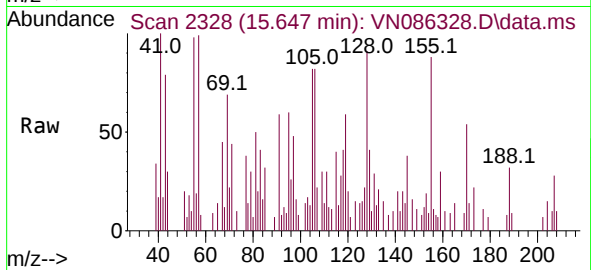
Lab File: VN086328.D

Acq: 17 Apr 2025 17:42

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 4130

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.6 13.0#

