

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021524\
 Data File : VN081042.D
 Acq On : 15 Feb 2024 16:19
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 16 00:25:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 07:59:19 2024
 Response via : Initial Calibration

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

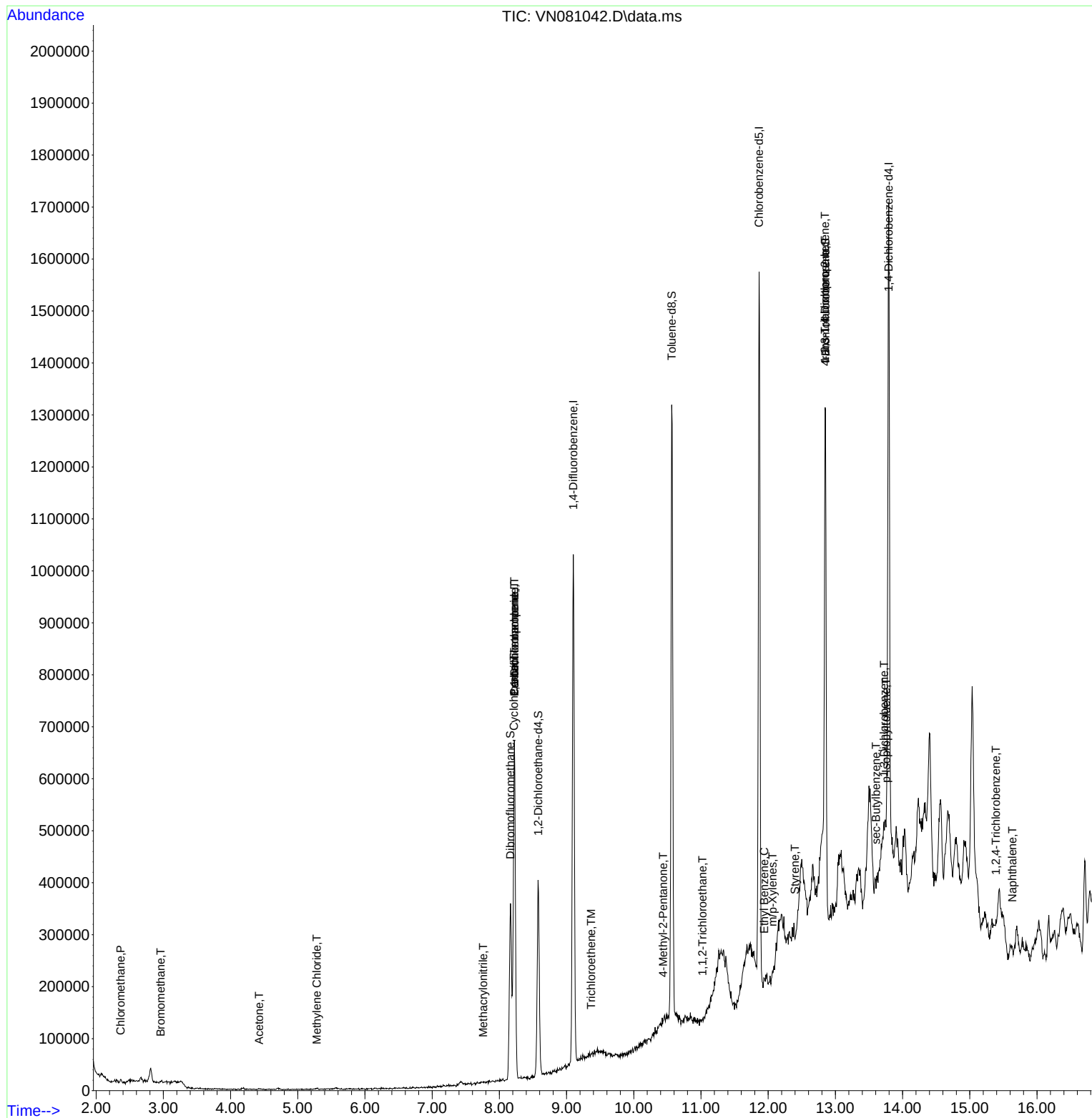
Internal Standards						
1) Pentafluorobenzene	8.224	168	460820	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	850894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	783423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	309677	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	285888	50.437	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.880%	
35) Dibromofluoromethane	8.165	113	239042	48.998	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.000%	
50) Toluene-d8	10.565	98	806340	46.865	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.720%	
62) 4-Bromofluorobenzene	12.853	95	322794	55.163	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 110.320%	
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	9418	1.127	ug/l	# 81
5) Bromomethane	2.959	94	1094	0.349	ug/l	# 49
13) Acrolein	4.171	56	1107	Below Cal	#	15
16) Acetone	4.424	43	1640	0.739	ug/l	# 44
20) Methylene Chloride	5.283	84	1445	0.250	ug/l	# 51
31) Cyclohexane	8.218	56	13062	1.327	ug/l	# 7
36) 1,1-Dichloropropene	8.224	75	38944	4.784	ug/l	# 53
38) Carbon Tetrachloride	8.224	117	49481	8.305	ug/l	# 17
41) Methacrylonitrile	7.759	41	1223	0.271	ug/l	# 47
44) Trichloroethene	9.365	130	1930	0.271	ug/l	90
49) 1,4-Dioxane	9.700	88	825	Below Cal	#	36
51) 4-Methyl-2-Pentanone	10.435	43	1886	0.242	ug/l	# 79
55) 1,1,2-Trichloroethane	11.024	97	1280	0.226	ug/l	# 19
67) Ethyl Benzene	11.941	91	6732	0.217	ug/l	# 50
68) m/p-Xylenes	12.065	106	2855	0.250	ug/l	# 58
70) Styrene	12.400	104	3685	0.209	ug/l	# 41
76) 1,2,3-Trichloropropane	12.847	75	174327	25.477	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	174327	59.306	ug/l	# 14
85) sec-Butylbenzene	13.606	105	7510	0.263	ug/l	80
86) p-Isopropyltoluene	13.753	119	10518	0.459	ug/l	# 53
87) 1,3-Dichlorobenzene	13.723	146	5581	0.518	ug/l	# 63
90) Hexachloroethane	14.394	117	851	Below Cal		84
92) 1,2-Dibromo-3-Chloropr...	14.988	75	632	Below Cal		80
93) 1,2,4-Trichlorobenzene	15.388	180	2602	0.416	ug/l	# 18
95) Naphthalene	15.635	128	13298	0.597	ug/l	# 1

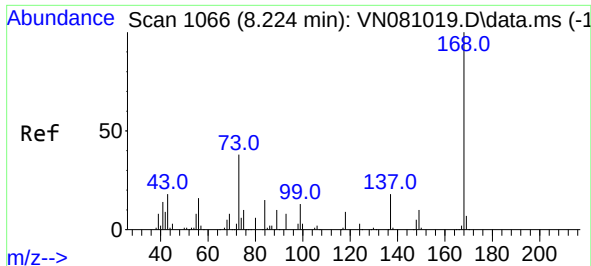
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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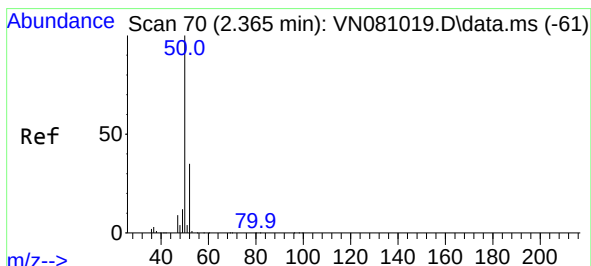
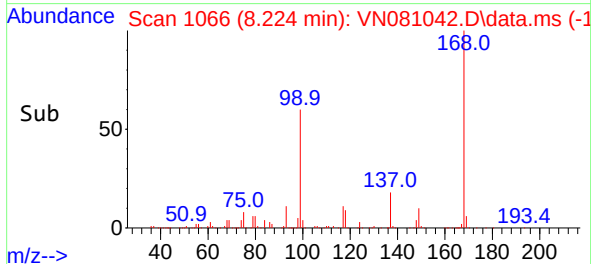
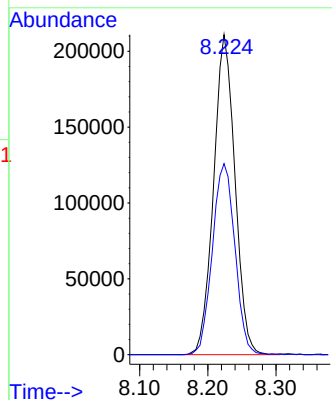
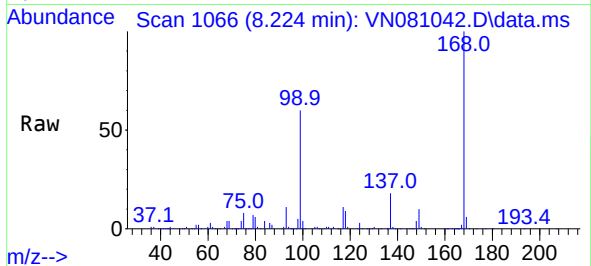




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

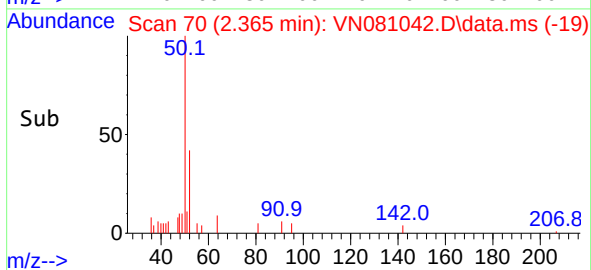
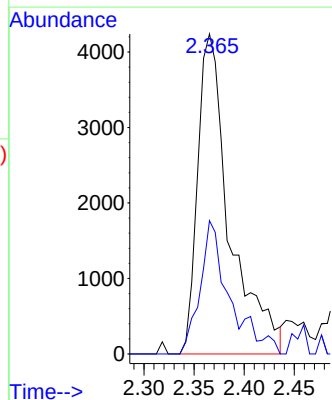
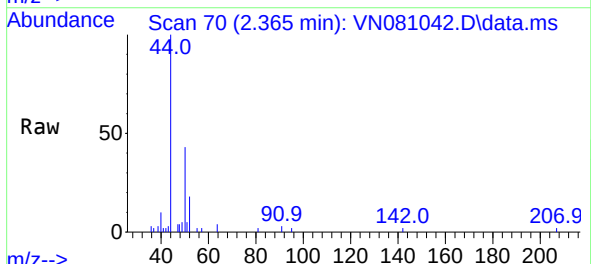
Instrument :
MSVOA_N
ClientSampleId :

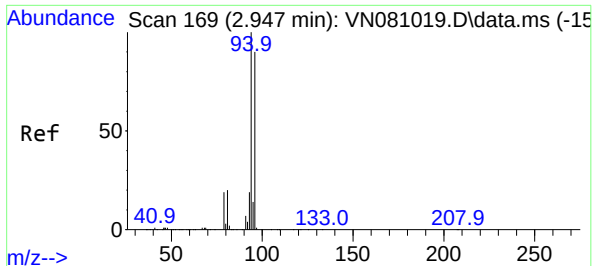
Tgt Ion:168 Resp: 460820
Ion Ratio Lower Upper
168 100
99 59.7 59.9 89.9#



#3
Chloromethane
Concen: 1.127 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

Tgt Ion: 50 Resp: 9418
Ion Ratio Lower Upper
50 100
52 41.7 25.0 37.4#

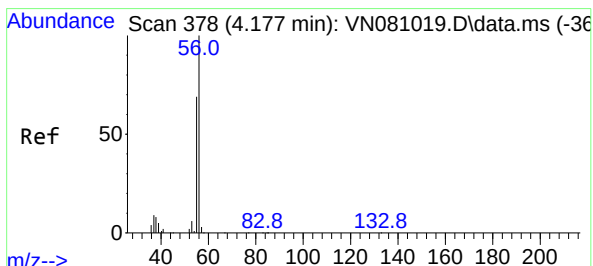
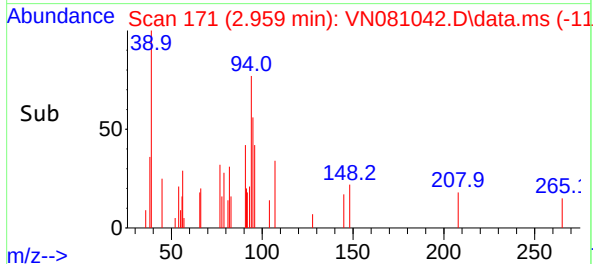
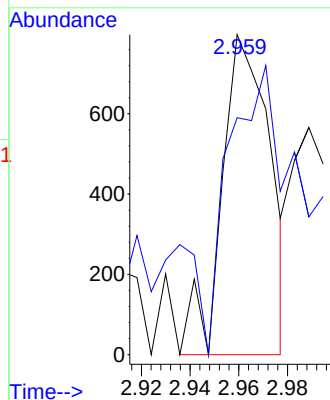
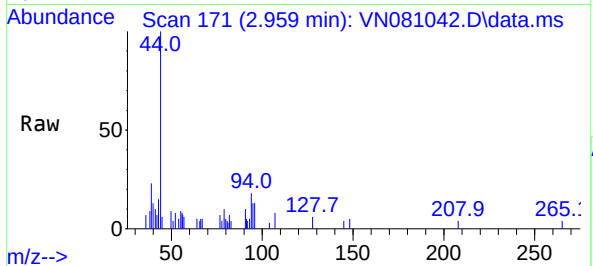




#5
Bromomethane
Concen: 0.349 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

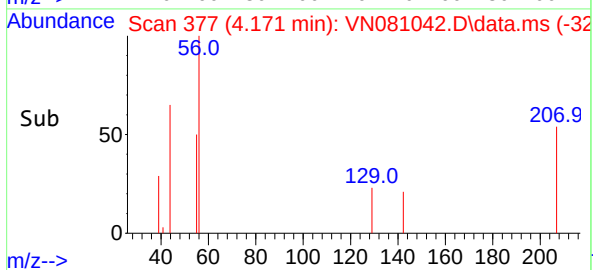
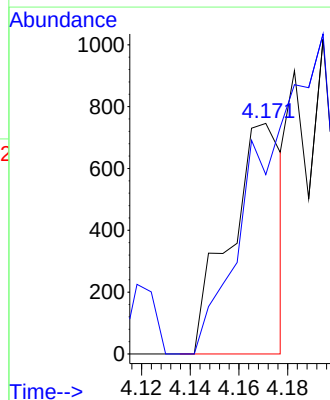
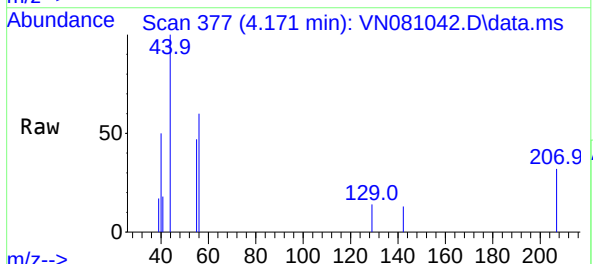
Instrument :
MSVOA_N
ClientSampleId :

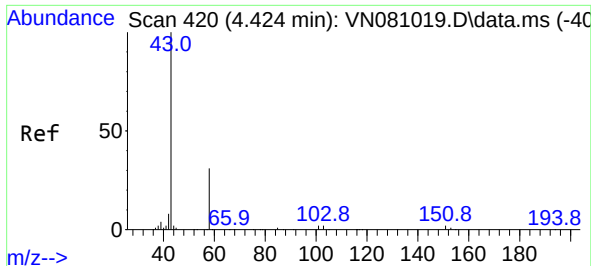
Tgt Ion: 94 Resp: 1094
Ion Ratio Lower Upper
94 100
96 39.6 69.2 103.8#



#13
Acrolein
Concen: Below Cal
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

Tgt Ion: 56 Resp: 1107
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#

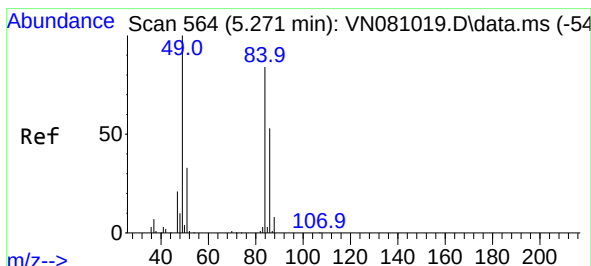
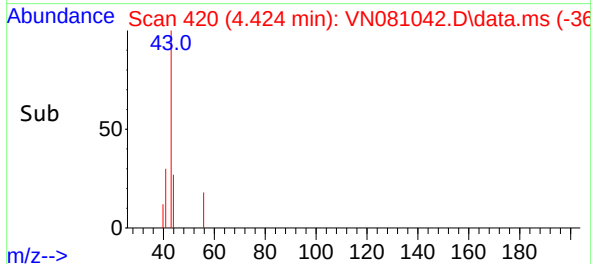
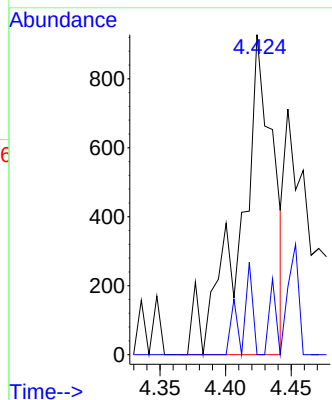
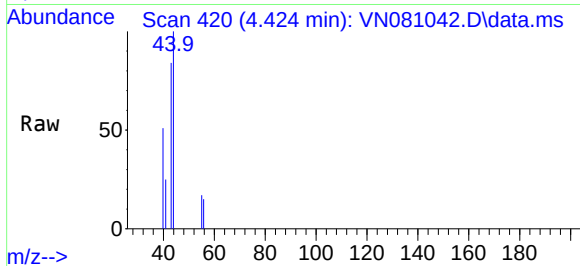




#16
Acetone
Concen: 0.739 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

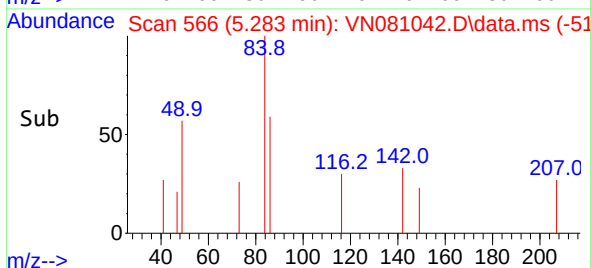
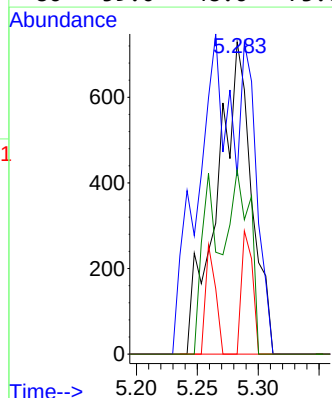
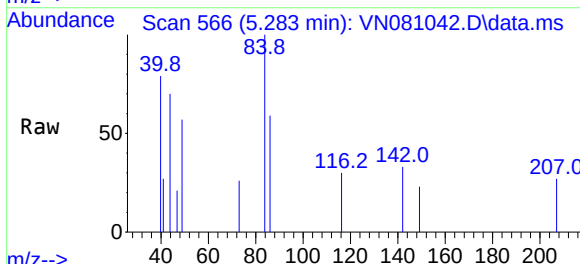
Instrument :
MSVOA_N
ClientSampleId :

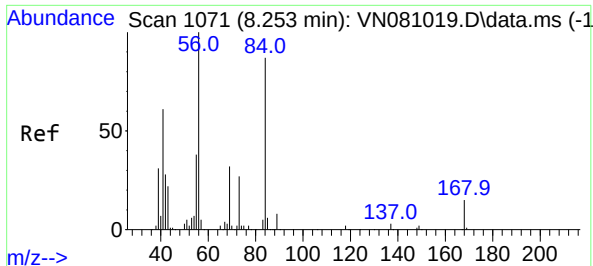
Tgt Ion: 43 Resp: 1640
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#20
Methylene Chloride
Concen: 0.250 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

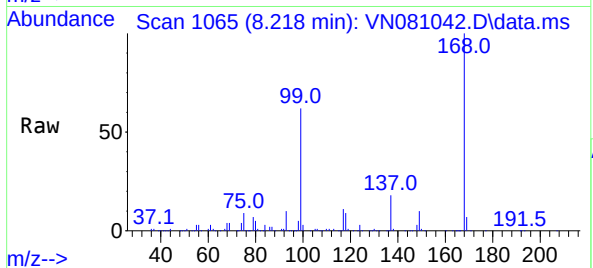
Tgt Ion: 84 Resp: 1445
Ion Ratio Lower Upper
84 100
49 57.2 108.1 162.1#
51 0.0 32.9 49.3#
86 59.0 48.6 73.0



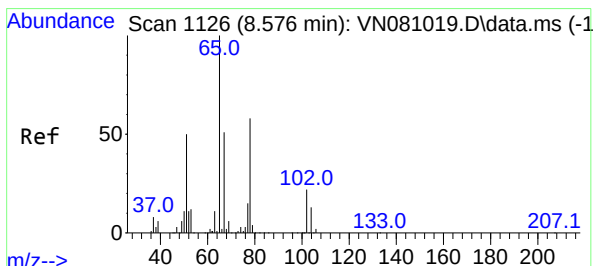
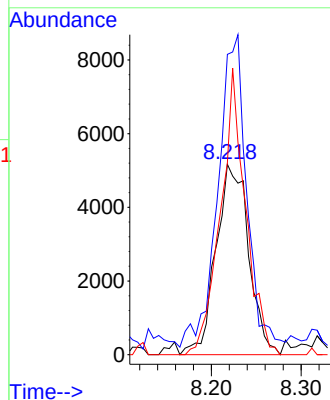
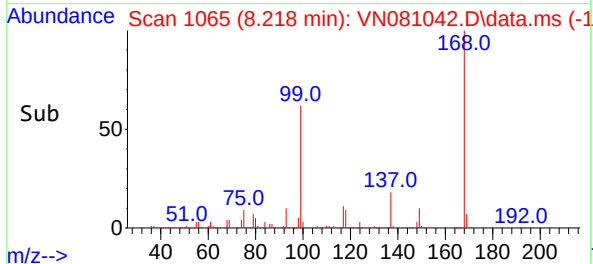


#31
Cyclohexane
Concen: 1.327 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :

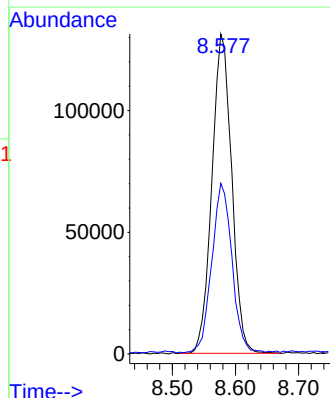
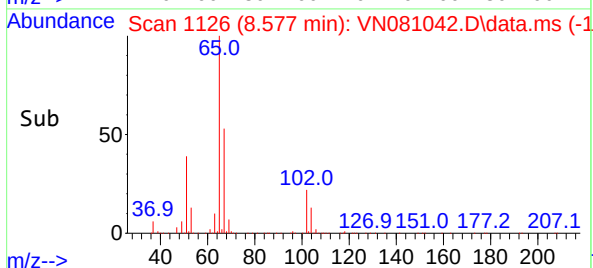
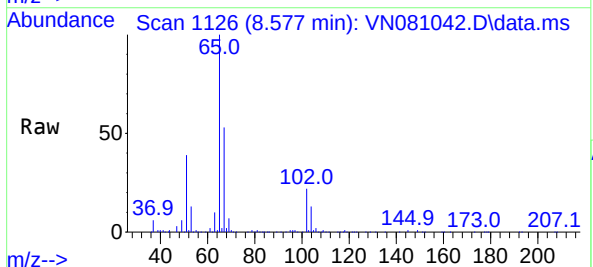


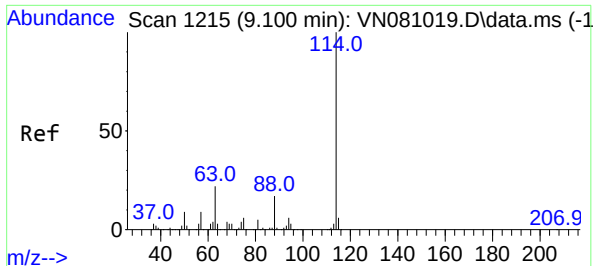
Tgt Ion: 56 Resp: 13062
Ion Ratio Lower Upper
56 100
69 153.8 20.1 30.1#
84 100.8 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 50.437 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

Tgt Ion: 65 Resp: 285888
Ion Ratio Lower Upper
65 100
67 53.9 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN081042.D

Acq: 15 Feb 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :

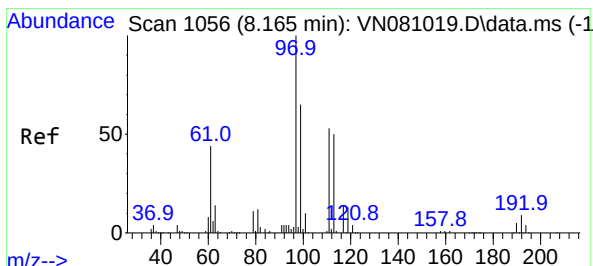
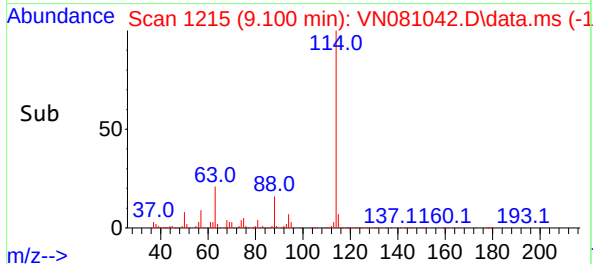
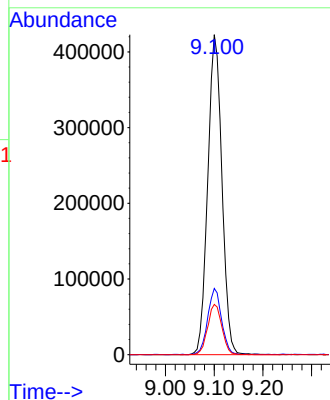
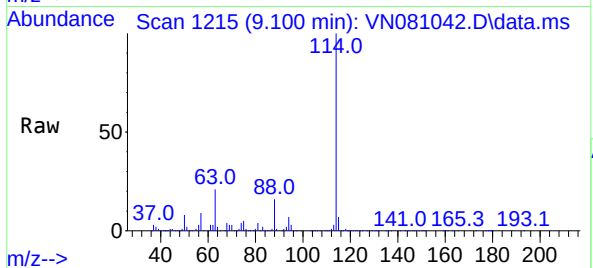
Tgt Ion:114 Resp: 850894

Ion Ratio Lower Upper

114 100

63 20.7 0.0 48.0

88 15.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.998 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN081042.D

Acq: 15 Feb 2024 16:19

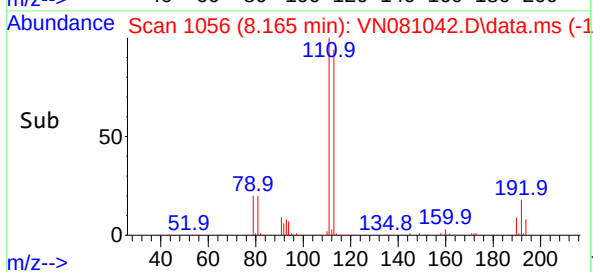
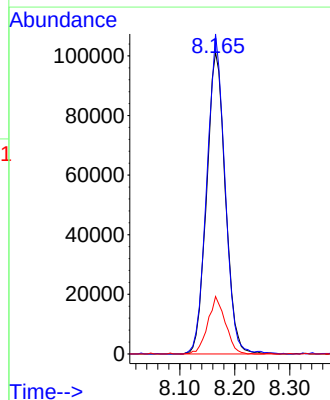
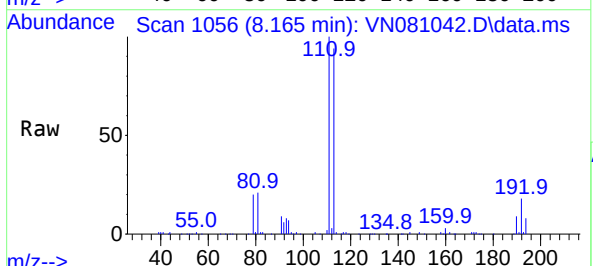
Tgt Ion:113 Resp: 239042

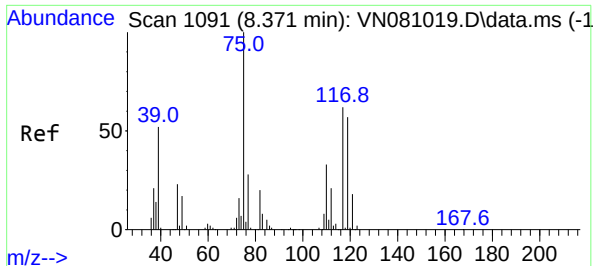
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

192 17.9 12.5 18.7

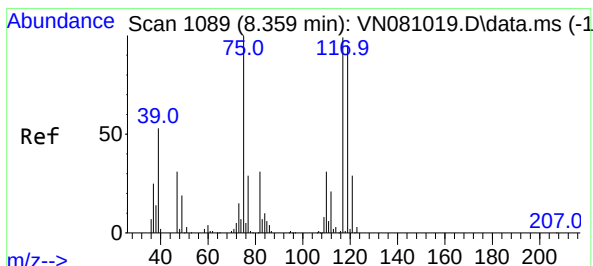
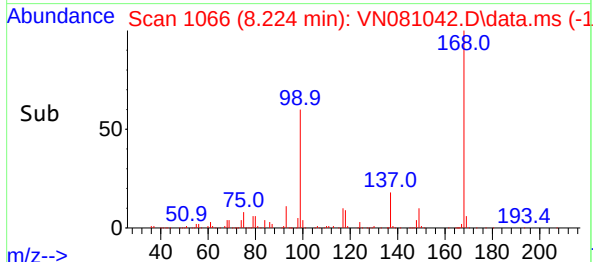
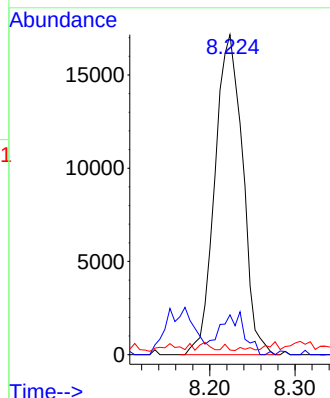
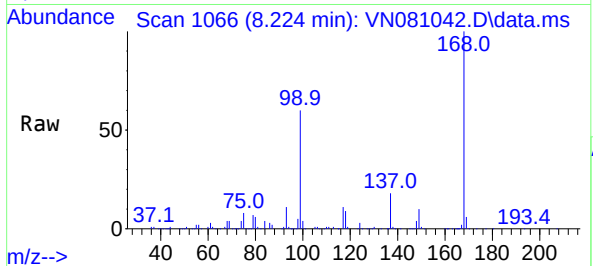




#36
1,1-Dichloropropene
Concen: 4.784 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

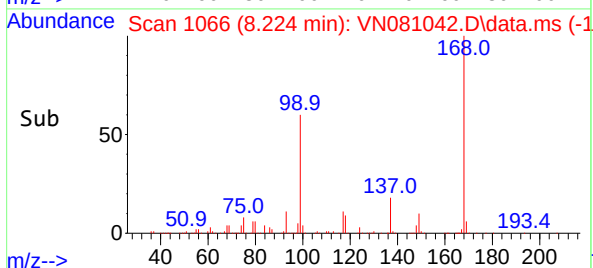
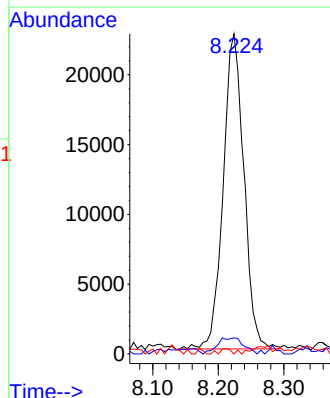
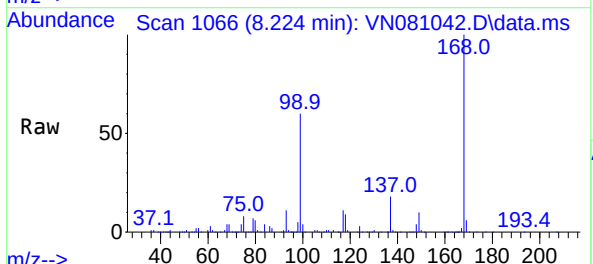
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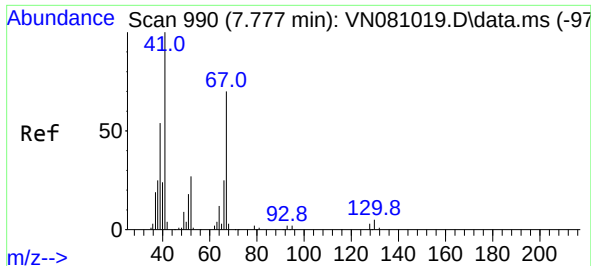
Tgt Ion: 75 Resp: 38944
Ion Ratio Lower Upper
75 100
110 11.7 16.0 48.0#
77 0.4 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 8.305 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

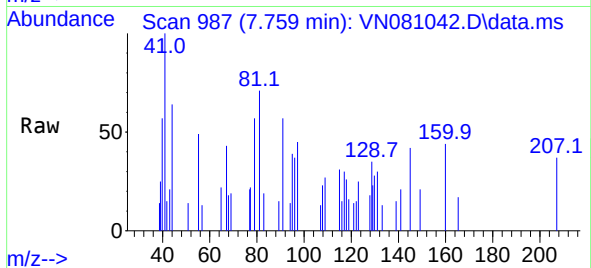
Tgt Ion: 117 Resp: 49481
Ion Ratio Lower Upper
117 100
119 4.0 73.4 110.2#
121 0.0 24.4 36.6#



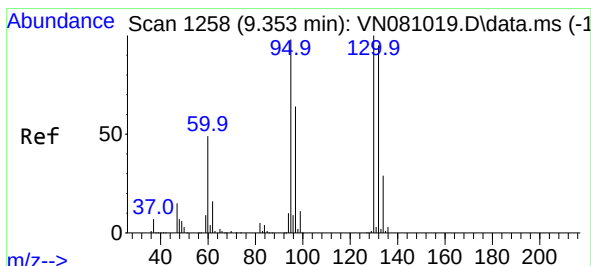
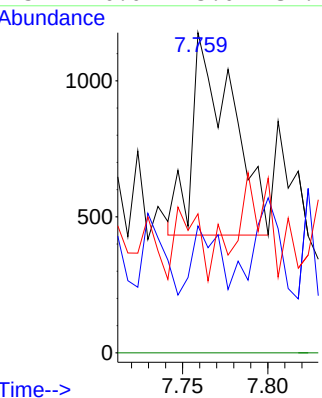
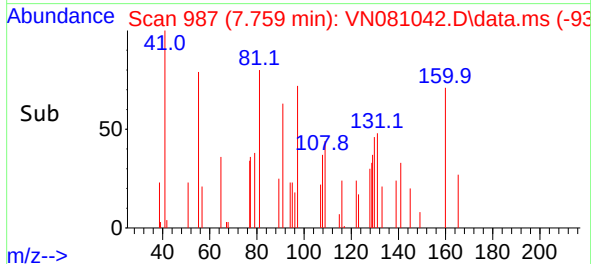


#41
Methacrylonitrile
Concen: 0.271 ug/l
RT: 7.759 min Scan# 91
Delta R.T. -0.018 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :

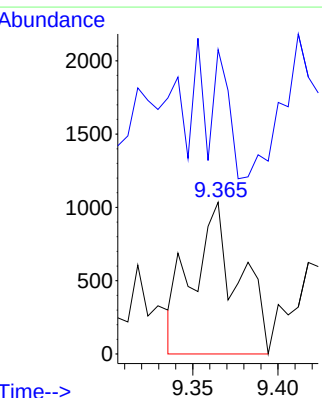
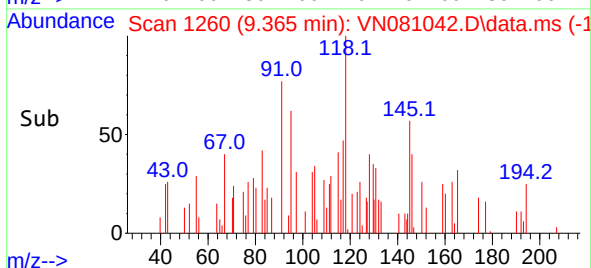
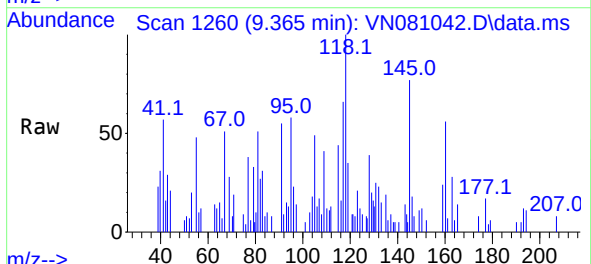


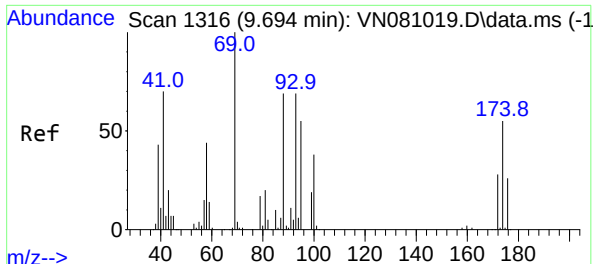
Tgt Ion: 41 Resp: 1223
Ion Ratio Lower Upper
41 100
39 29.3 48.4 72.6#
67 20.4 56.8 85.2#
52 0.0 25.0 37.4#



#44
Trichloroethene
Concen: 0.271 ug/l
RT: 9.365 min Scan# 1260
Delta R.T. 0.012 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

Tgt Ion:130 Resp: 1930
Ion Ratio Lower Upper
130 100
95 95.0 0.0 210.4

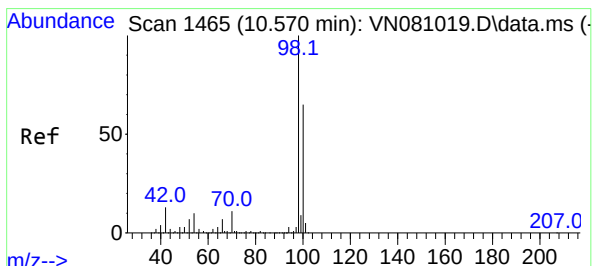
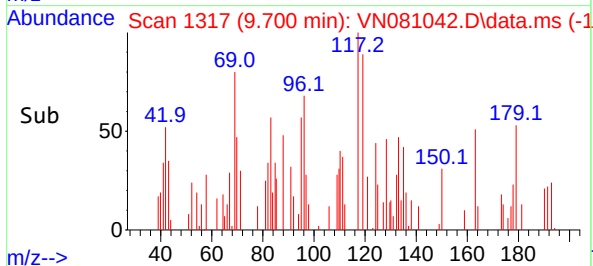
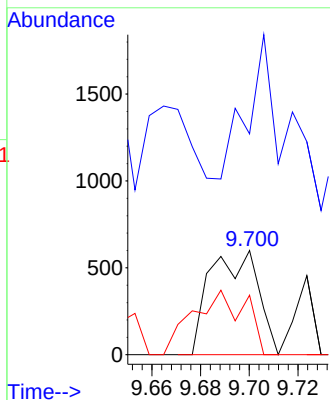
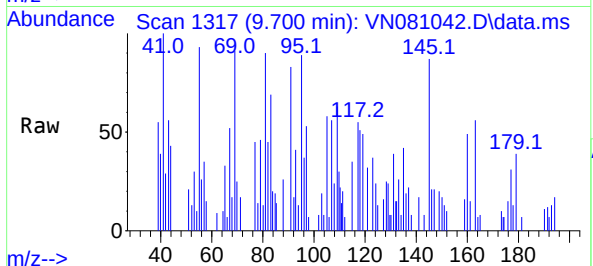




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.700 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

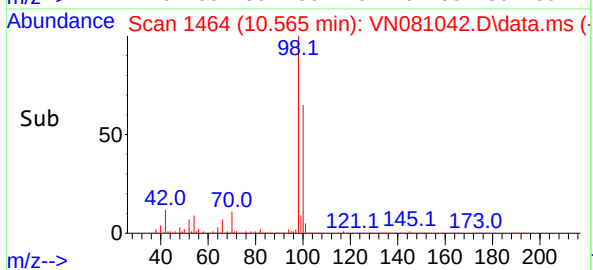
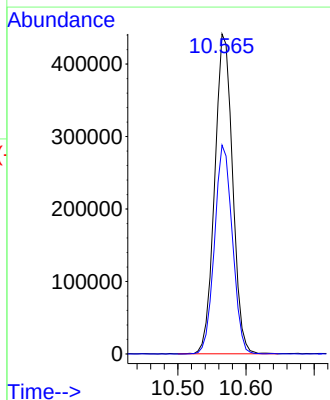
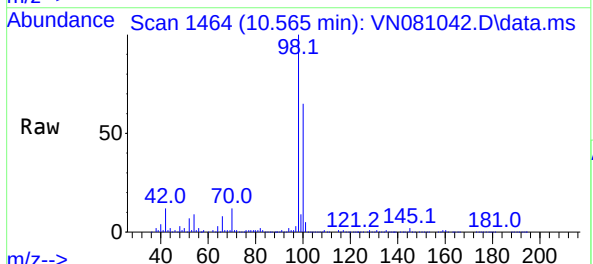
Instrument :
MSVOA_N
ClientSampleId :

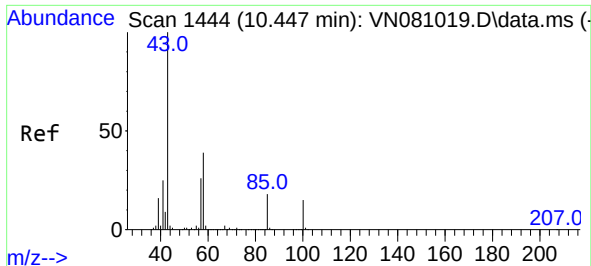
Tgt Ion: 88 Resp: 825
Ion Ratio Lower Upper
88 100
43 140.0 30.1 45.1#
58 67.3 63.9 95.9



#50
Toluene-d8
Concen: 46.865 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

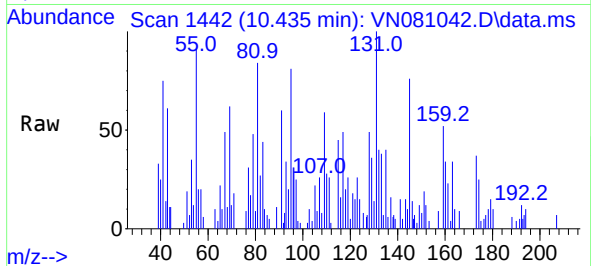
Tgt Ion: 98 Resp: 806340
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0



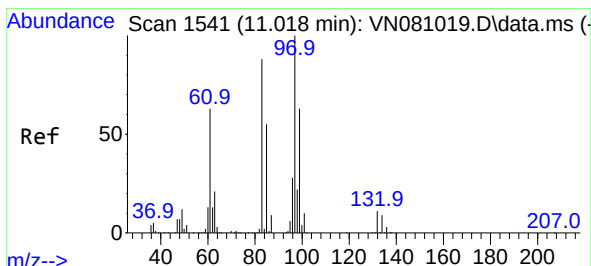
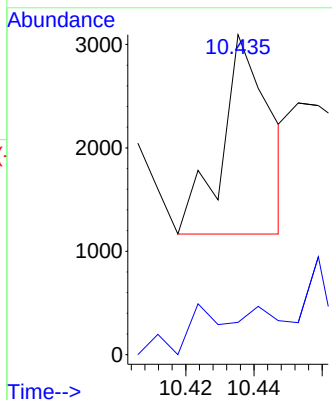
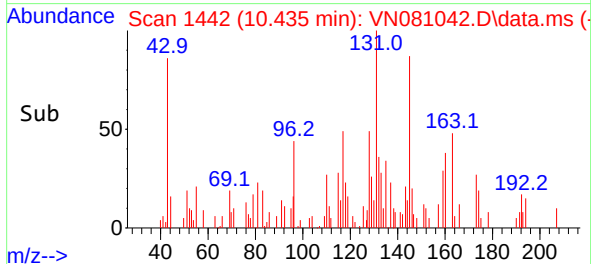


#51
4-Methyl-2-Pentanone
Concen: 0.242 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.012 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

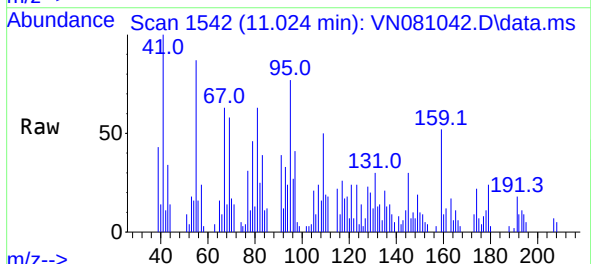
Instrument :
MSVOA_N
ClientSampleId :



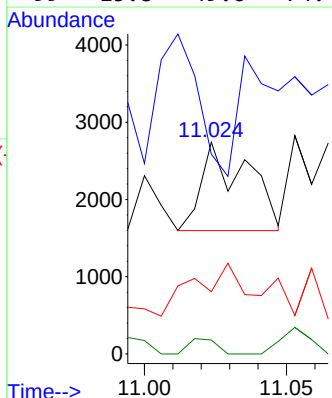
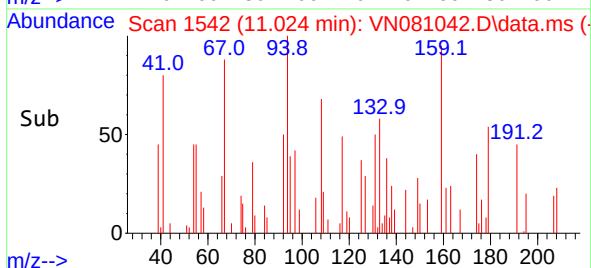
Tgt Ion: 43 Resp: 1886
Ion Ratio Lower Upper
43 100
58 24.2 29.4 44.0#

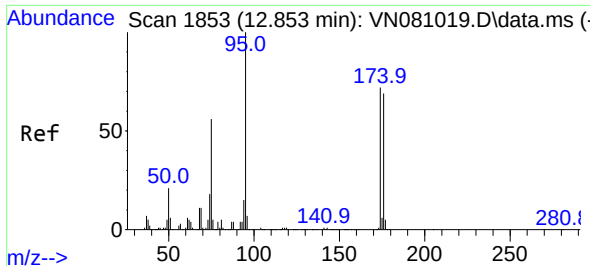


#55
1,1,2-Trichloroethane
Concen: 0.226 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19



Tgt Ion: 97 Resp: 1280
Ion Ratio Lower Upper
97 100
83 0.0 72.9 109.3#
85 0.0 50.2 75.2#
99 15.8 49.6 74.4#

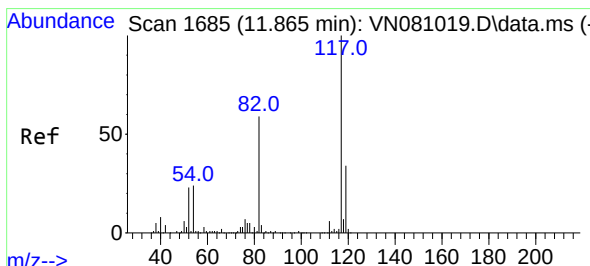
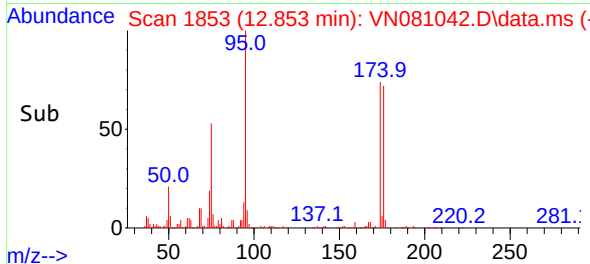
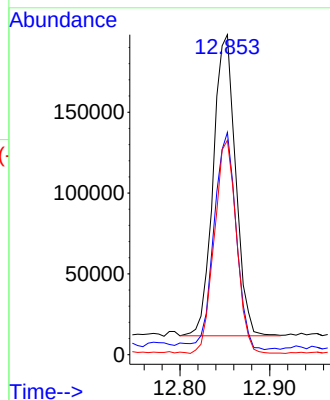
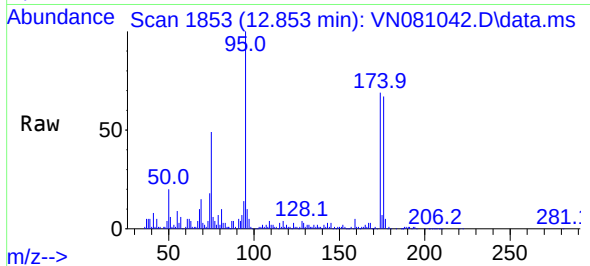




#62
4-Bromofluorobenzene
Concen: 55.163 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

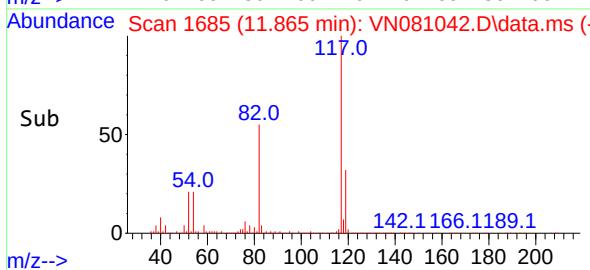
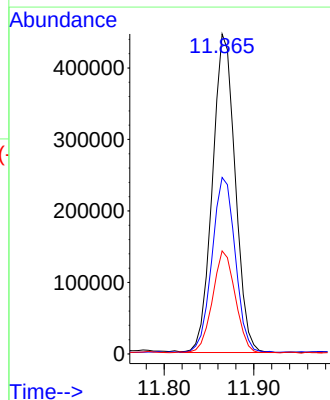
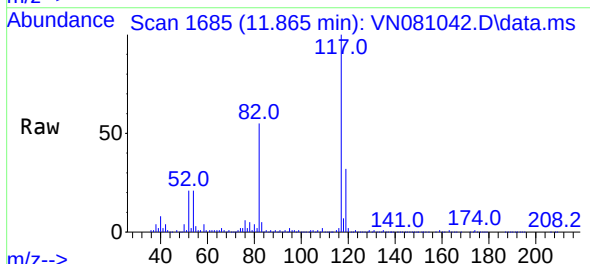
Instrument :
MSVOA_N
ClientSampleId :

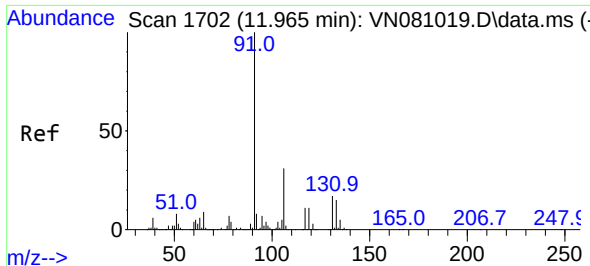
Tgt Ion: 95 Resp: 322794
Ion Ratio Lower Upper
95 100
174 71.8 0.0 120.4
176 70.1 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

Tgt Ion: 117 Resp: 783423
Ion Ratio Lower Upper
117 100
82 54.9 52.7 79.1
119 32.0 25.3 37.9

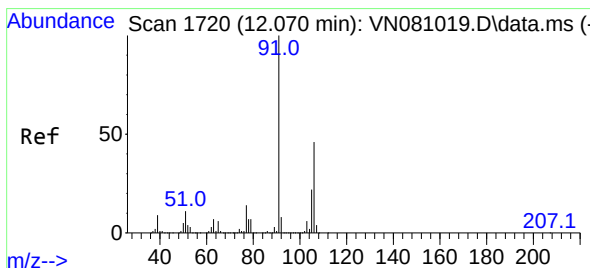
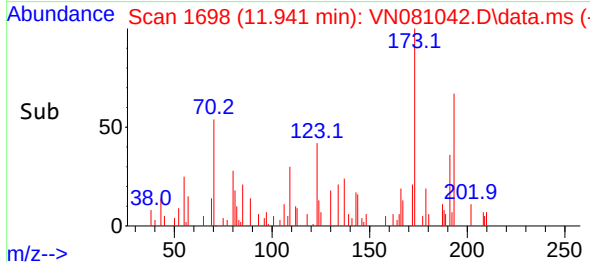
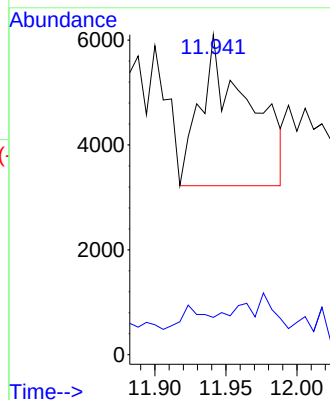
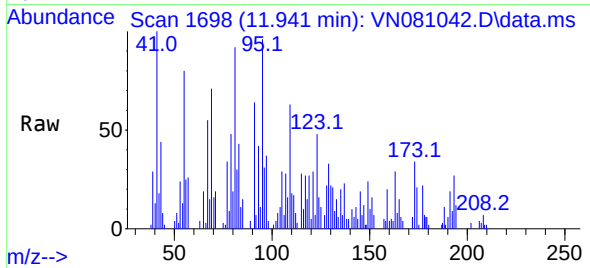




#67
Ethyl Benzene
Concen: 0.217 ug/l
RT: 11.941 min Scan# 1190
Delta R.T. -0.023 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

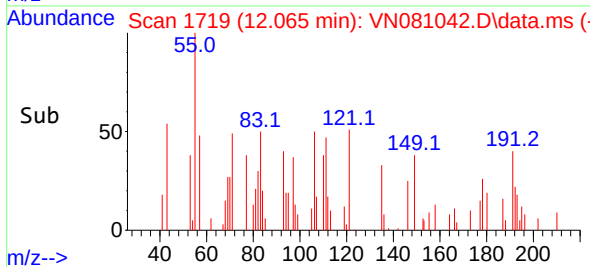
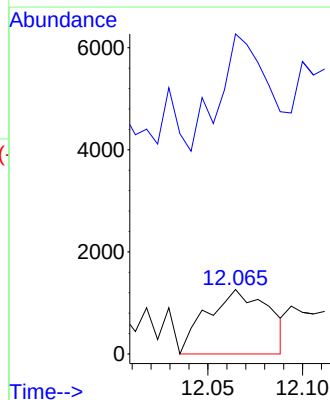
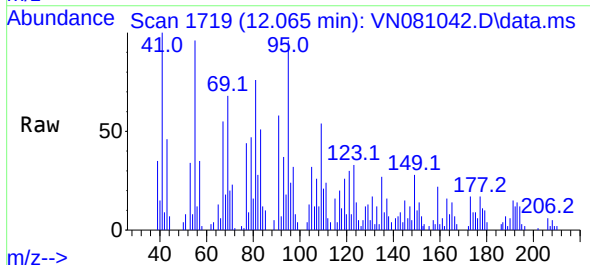
Instrument :
MSVOA_N
ClientSampleId :

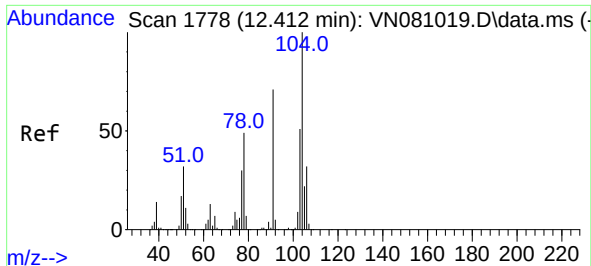
Tgt Ion: 91 Resp: 6732
Ion Ratio Lower Upper
91 100
106 2.8 23.8 35.6#



#68
m/p-Xylenes
Concen: 0.250 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

Tgt Ion: 106 Resp: 2855
Ion Ratio Lower Upper
106 100
91 145.3 169.0 253.6#

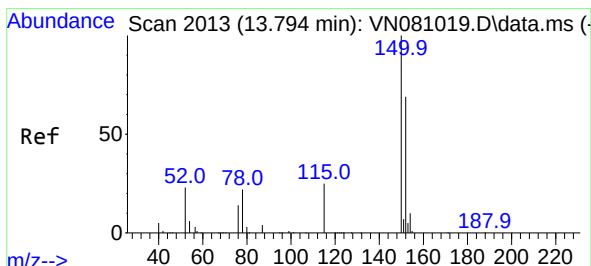
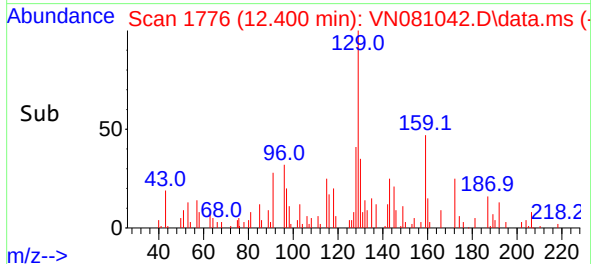
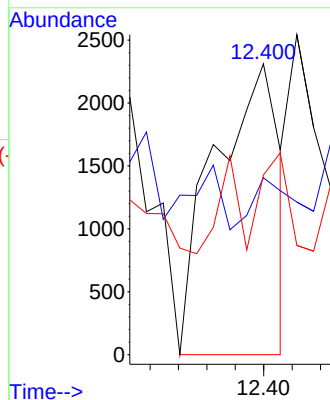
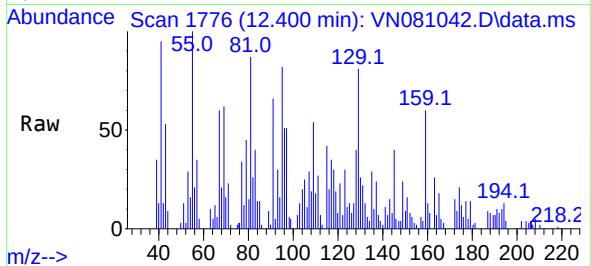




#70
Styrene
Concen: 0.209 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

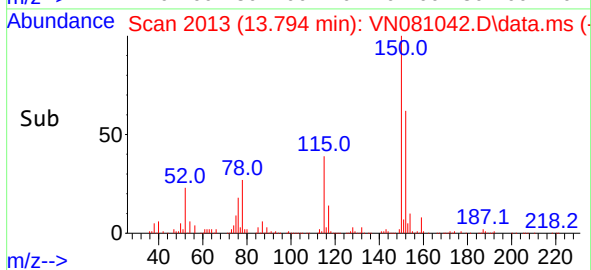
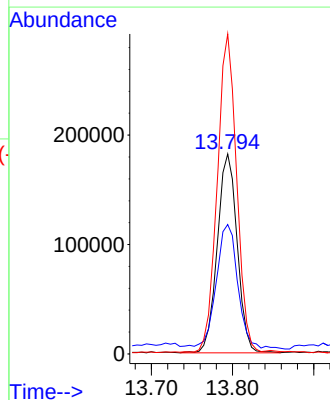
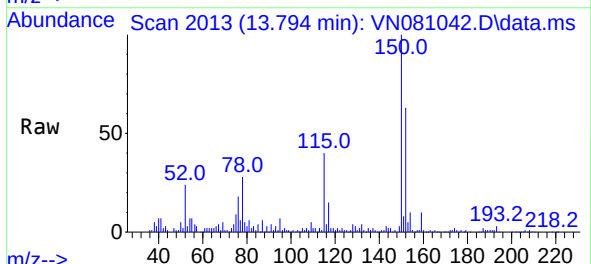
Instrument :
MSVOA_N
ClientSampleId :

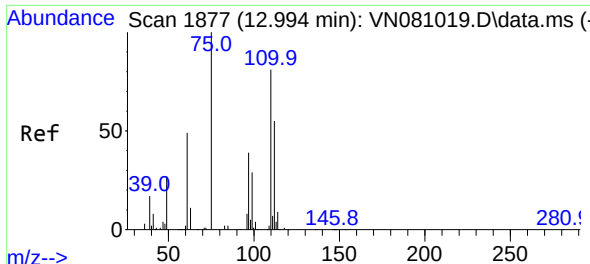
Tgt Ion:104 Resp: 3685
Ion Ratio Lower Upper
104 100
78 11.5 43.8 65.8#
103 13.7 44.2 66.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

Tgt Ion:152 Resp: 309677
Ion Ratio Lower Upper
152 100
115 68.4 32.3 96.8
150 156.2 0.0 339.8

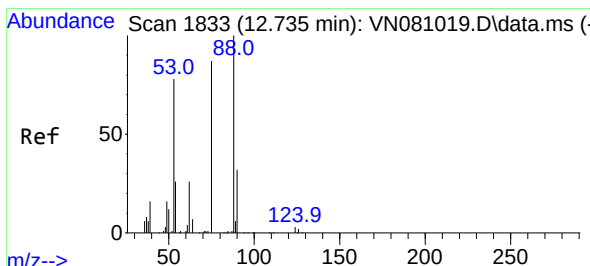
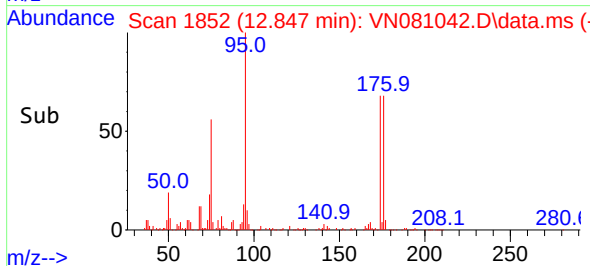
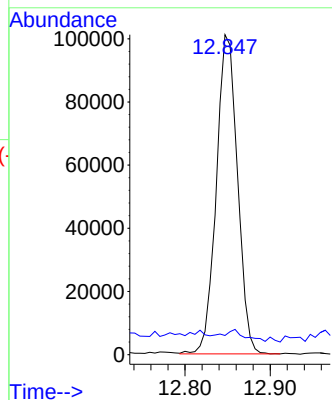
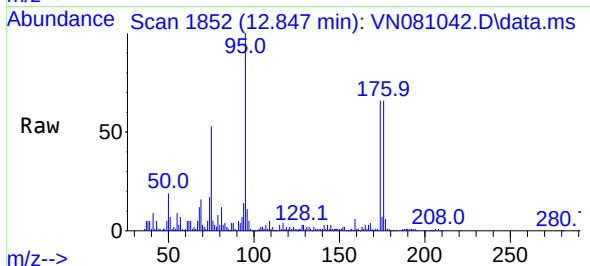




#76
1,2,3-Trichloropropane
Concen: 25.477 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

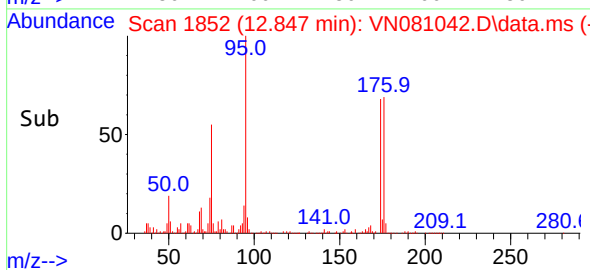
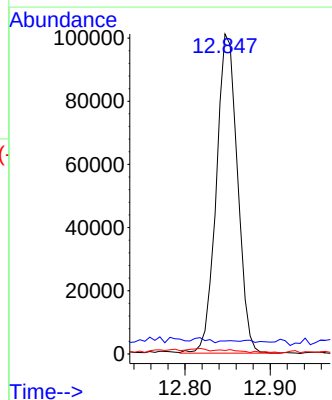
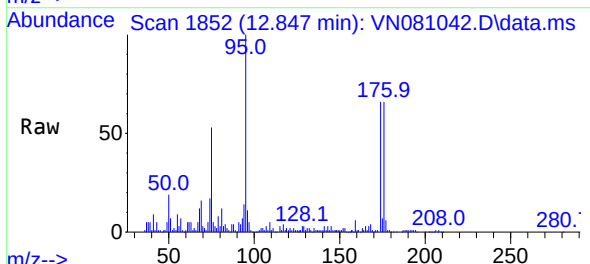
Instrument :
MSVOA_N
ClientSampleId :

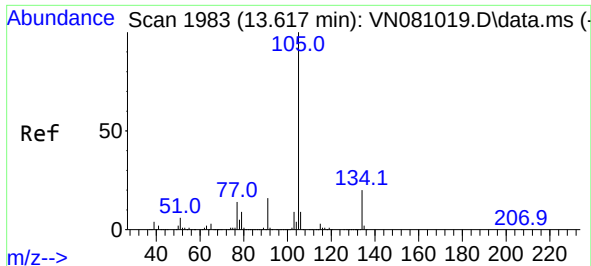
Tgt Ion: 75 Resp: 174327
Ion Ratio Lower Upper
75 100
77 2.6 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.306 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

Tgt Ion: 75 Resp: 174327
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#

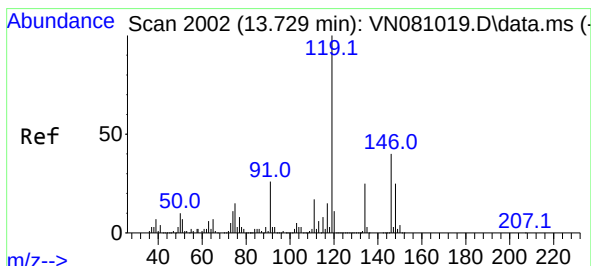
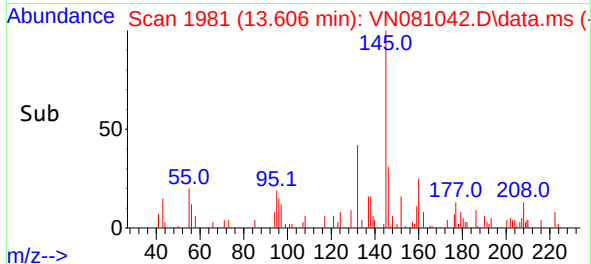
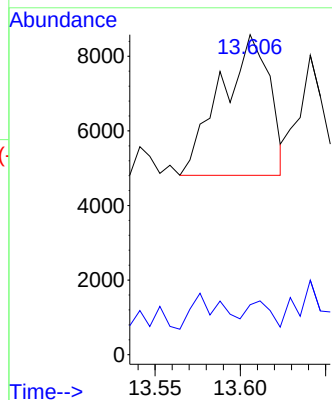
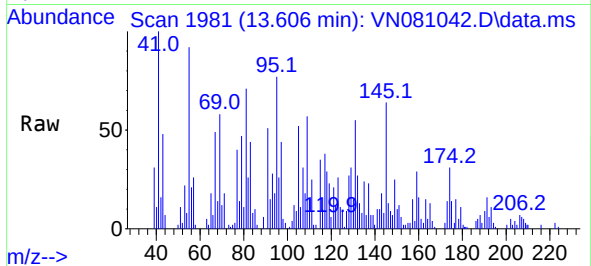




#85
sec-Butylbenzene
Concen: 0.263 ug/l
RT: 13.606 min Scan# 1983
Delta R.T. -0.012 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

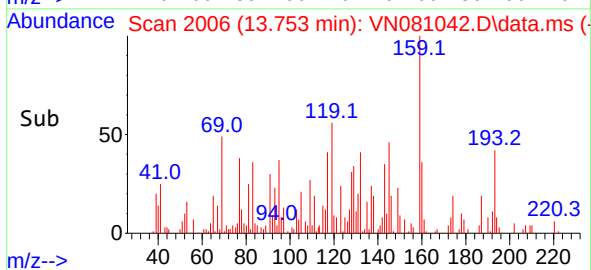
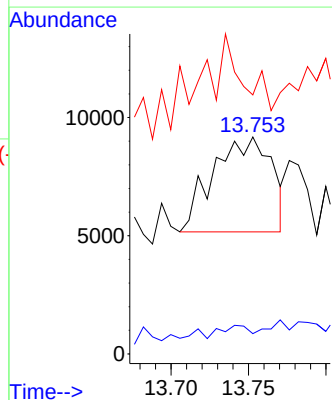
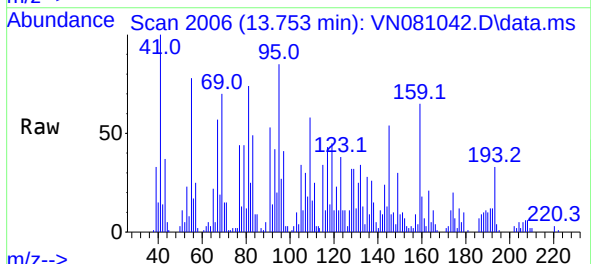
Instrument :
MSVOA_N
ClientSampleId :

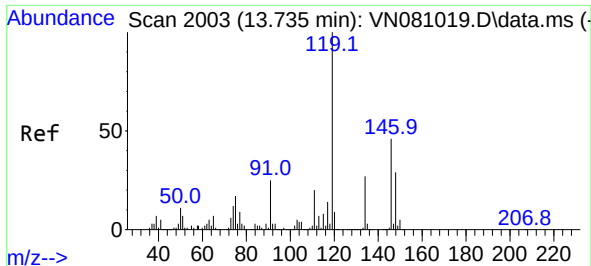
Tgt Ion:105 Resp: 7510
Ion Ratio Lower Upper
105 100
134 8.7 8.6 25.8



#86
p-Isopropyltoluene
Concen: 0.459 ug/l
RT: 13.753 min Scan# 2006
Delta R.T. 0.024 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

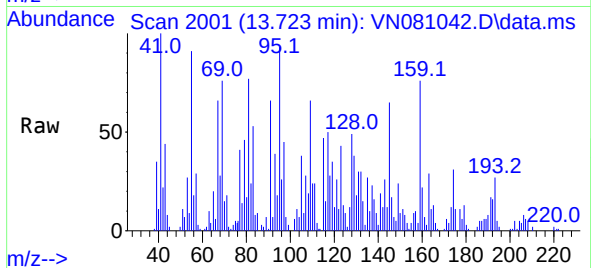
Tgt Ion:119 Resp: 10518
Ion Ratio Lower Upper
119 100
134 4.3 12.4 37.2#
91 0.0 13.5 40.4#



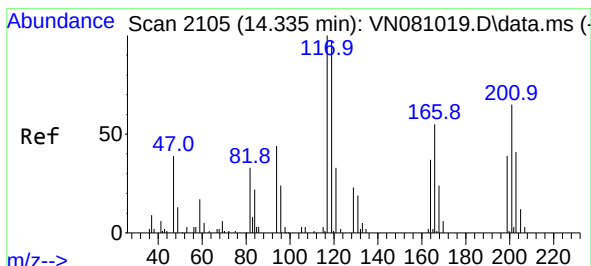
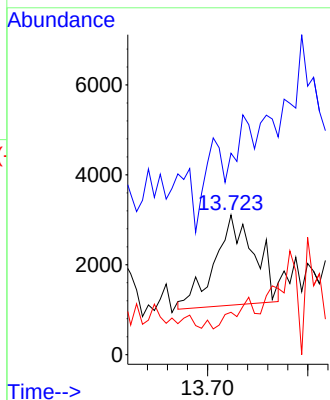
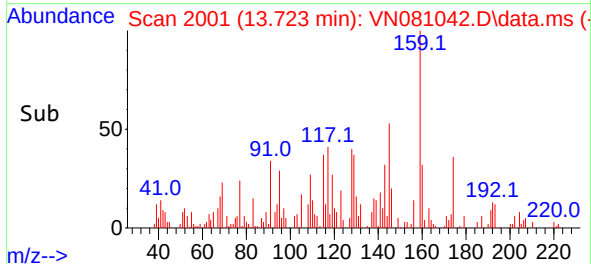


#87
1,3-Dichlorobenzene
Concen: 0.518 ug/l
RT: 13.723 min Scan# 20
Delta R.T. -0.012 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :

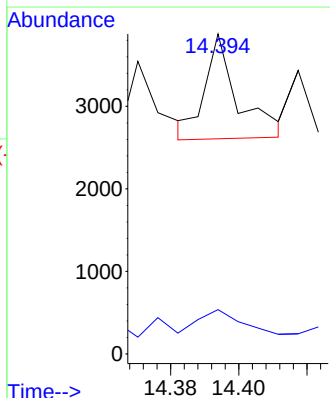
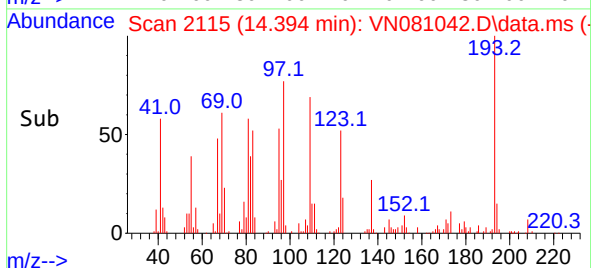
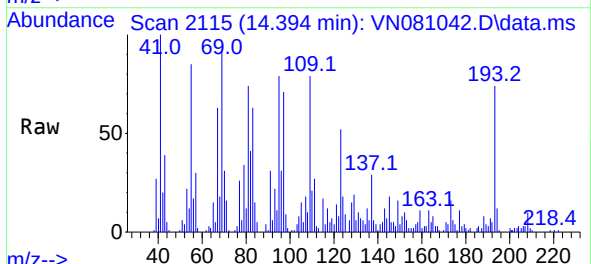


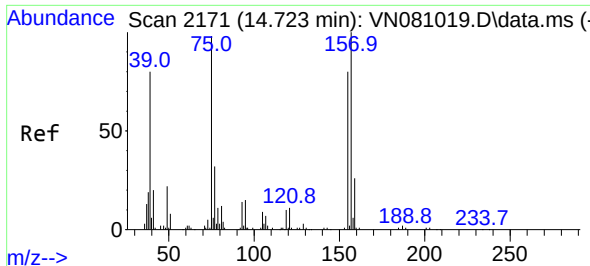
Tgt Ion:146 Resp: 5581
Ion Ratio Lower Upper
146 100
111 41.1 23.9 71.7
148 19.5 32.6 97.7#



#90
Hexachloroethane
Concen: Below Cal
RT: 14.394 min Scan# 2115
Delta R.T. 0.059 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

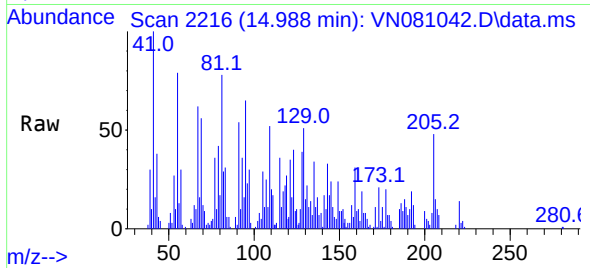
Tgt Ion:117 Resp: 851
Ion Ratio Lower Upper
117 100
201 48.2 30.0 90.0



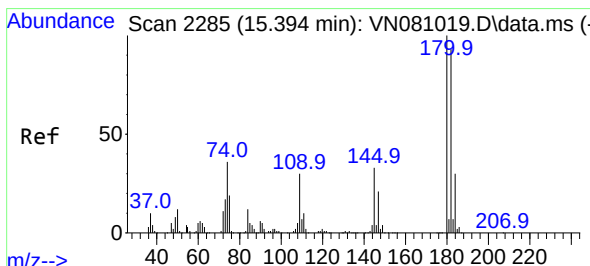
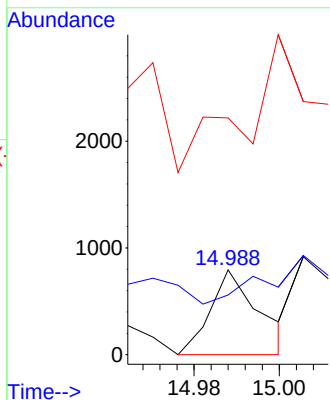
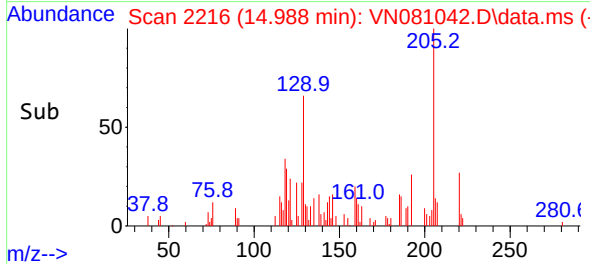


#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.988 min Scan# 2171
Delta R.T. 0.265 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19

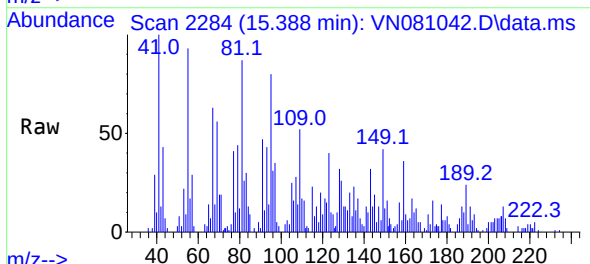
Instrument :
MSVOA_N
ClientSampleId :



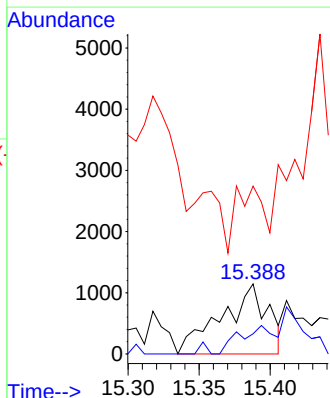
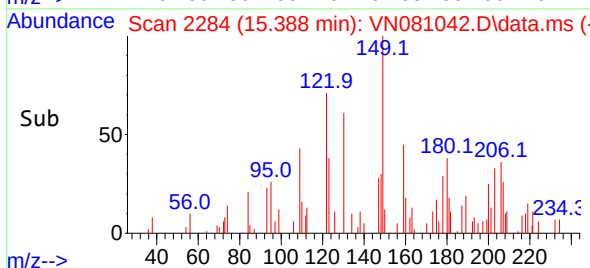
Tgt Ion: 75 Resp: 632
Ion Ratio Lower Upper
75 100
155 48.9 31.8 95.4
157 101.6 41.1 123.4

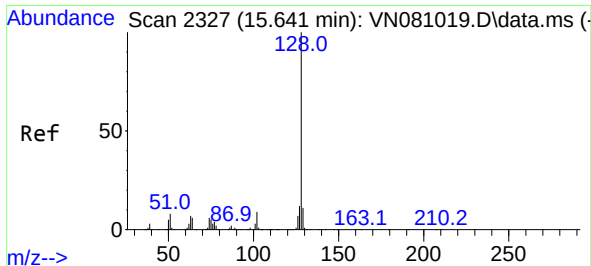


#93
1,2,4-Trichlorobenzene
Concen: 0.416 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.006 min
Lab File: VN081042.D
Acq: 15 Feb 2024 16:19



Tgt Ion: 180 Resp: 2602
Ion Ratio Lower Upper
180 100
182 0.0 46.6 139.7#
145 56.0 16.8 50.3#





#95

Naphthalene

Concen: 0.597 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

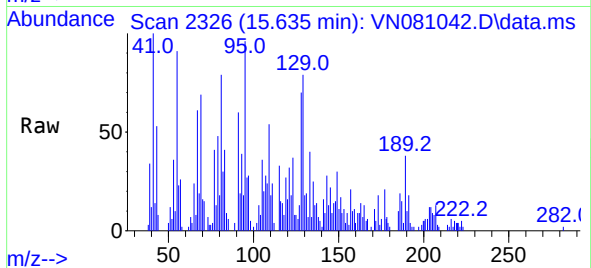
Lab File: VN081042.D

Acq: 15 Feb 2024 16:19

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 13298

Ion Ratio Lower Upper

128 100

127 8.9 10.0 15.0#

129 99.2 8.7 13.1#

