

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN077986.D
 Acq On : 31 May 2023 11:54
 Operator : JC\MD
 Sample : VN0531WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBL01

Quant Time: Jun 01 01:49:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

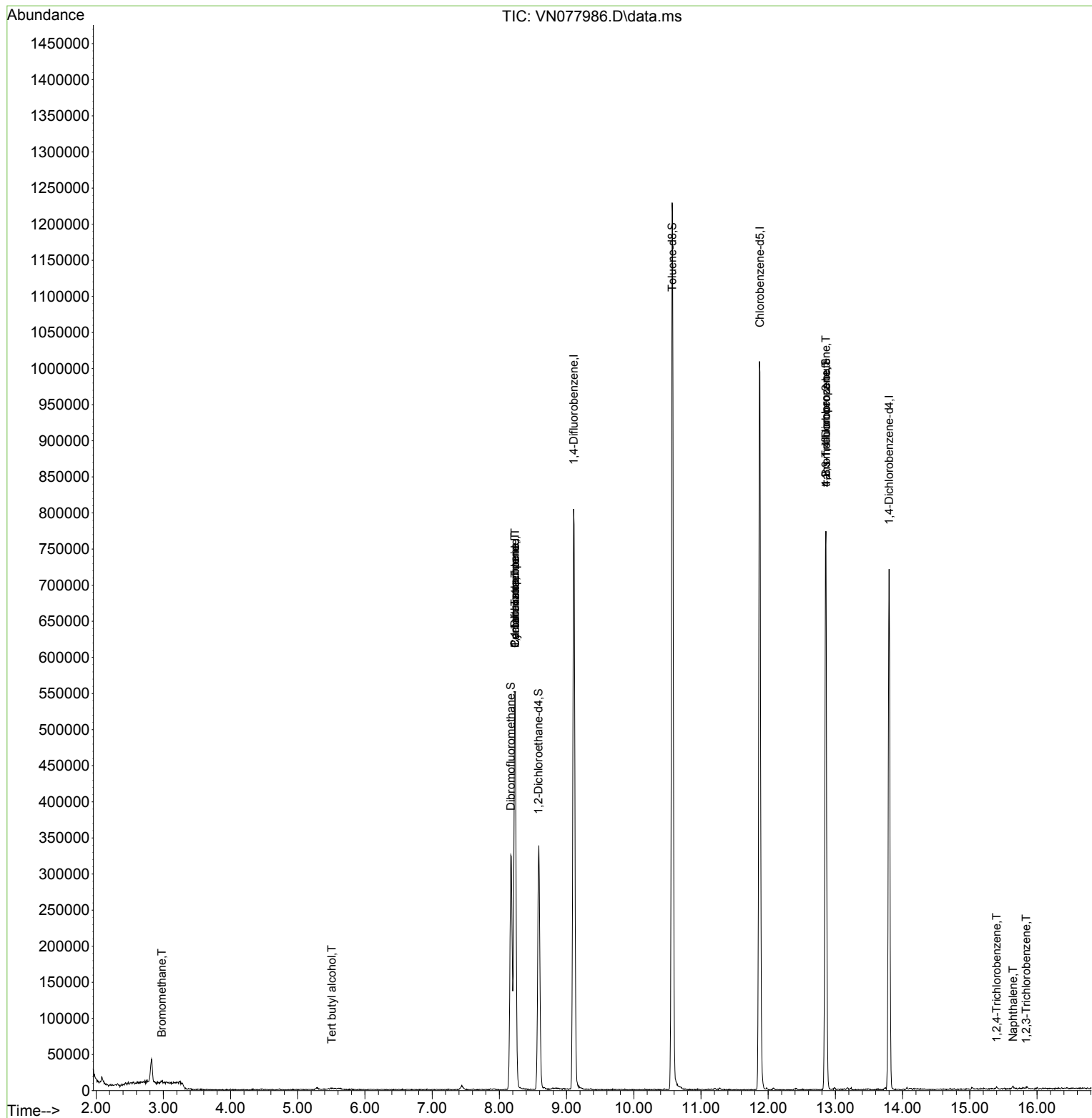
Internal Standards						
1) Pentafluorobenzene	8.235	168	397030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	715686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	623446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	191620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	276920	46.615	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.220%
35) Dibromofluoromethane	8.171	113	236473	50.670	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.340%
50) Toluene-d8	10.570	98	886938	49.375	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.760%
62) 4-Bromofluorobenzene	12.859	95	285691	45.031	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	920	Below Cal		89
5) Bromomethane	2.977	94	2192	0.520 ug/l	#	50
11) Tert butyl alcohol	5.506	59	210	0.256 ug/l	#	72
13) Acrolein	4.194	56	172	Below Cal	#	63
20) Methylene Chloride	5.306	84	1662	Below Cal	#	63
31) Cyclohexane	8.235	56	8887	1.101 ug/l	#	21
36) 1,1-Dichloropropene	8.229	75	33804	4.952 ug/l	#	47
38) Carbon Tetrachloride	8.235	117	43670	6.336 ug/l	#	16
76) 1,2,3-Trichloropropane	12.859	75	150722	31.408 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.859	75	150722	100.396 ug/l	#	15
93) 1,2,4-Trichlorobenzene	15.400	180	1253	0.329 ug/l	#	70
95) Naphthalene	15.647	128	4302	0.328 ug/l	#	79
96) 1,2,3-Trichlorobenzene	15.841	180	994	0.267 ug/l		83

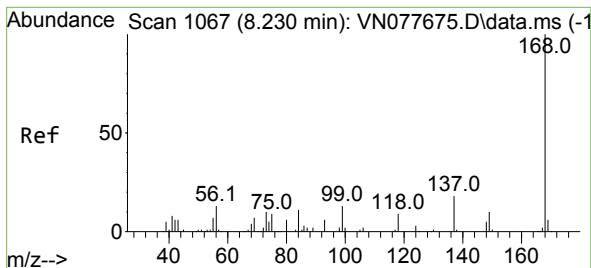
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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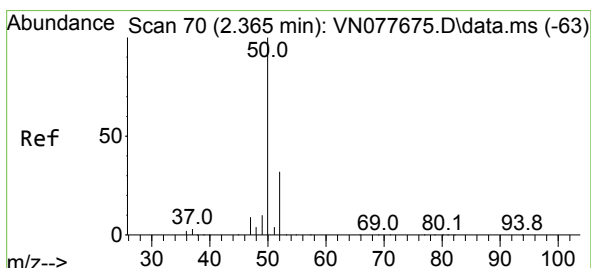
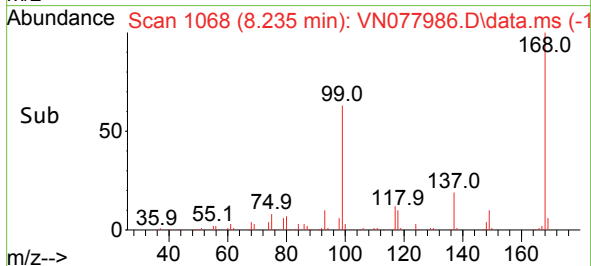
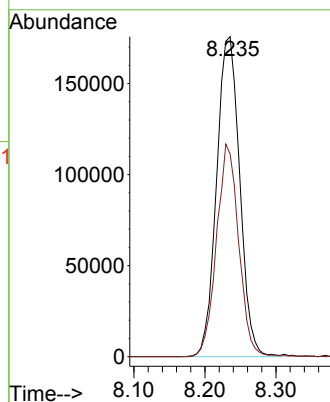
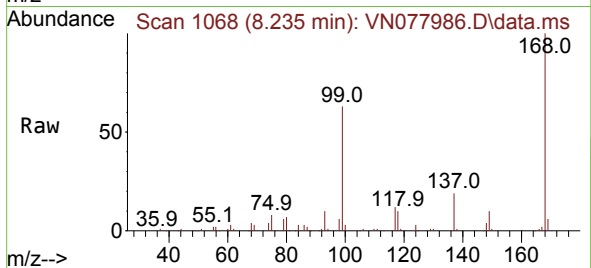




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077986.D
Acq: 31 May 2023 11:54

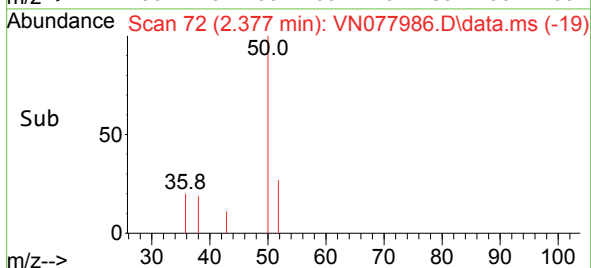
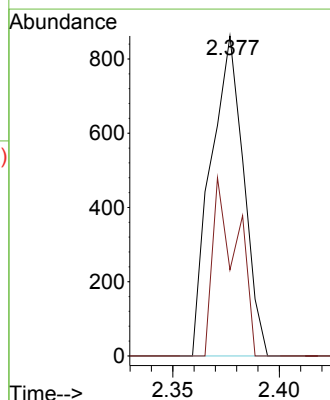
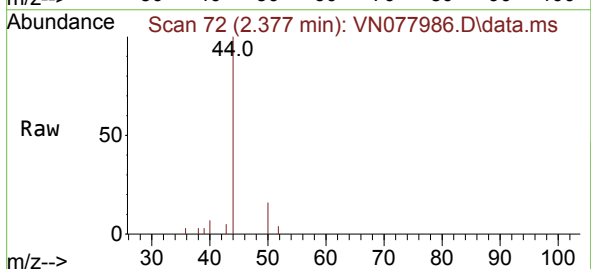
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBL01

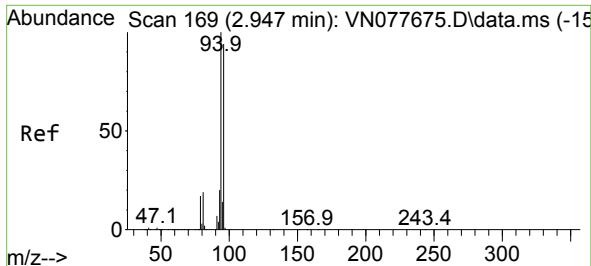
Tgt Ion:168 Resp: 397030
Ion Ratio Lower Upper
168 100
99 63.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077986.D
Acq: 31 May 2023 11:54

Tgt Ion: 50 Resp: 920
Ion Ratio Lower Upper
50 100
52 26.9 26.5 39.7

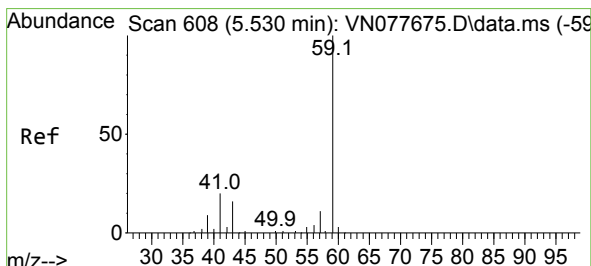
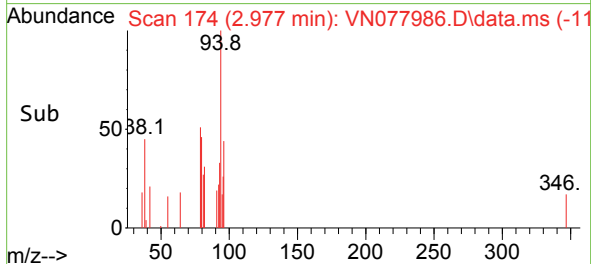
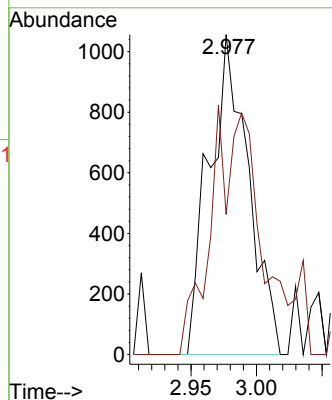
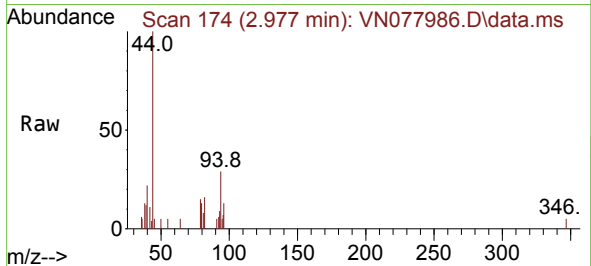




#5
Bromomethane
Concen: 0.520 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN077986.D
Acq: 31 May 2023 11:54

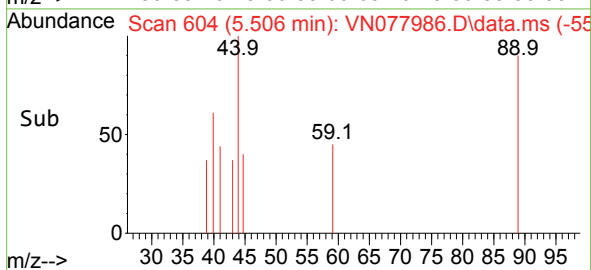
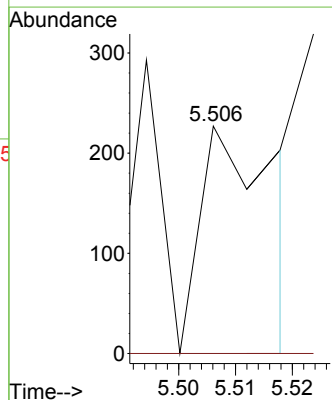
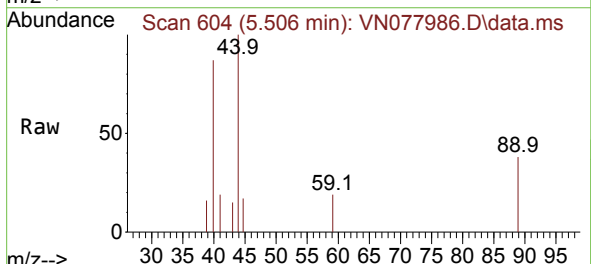
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBL01

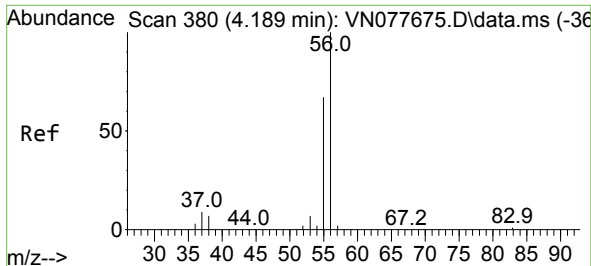
Tgt Ion: 94 Resp: 2192
Ion Ratio Lower Upper
94 100
96 43.8 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.256 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.024 min
Lab File: VN077986.D
Acq: 31 May 2023 11:54

Tgt Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 4.194 min Scan# 3

Delta R.T. 0.005 min

Lab File: VN077986.D

Acq: 31 May 2023 11:54

Instrument :

MSVOA_N

ClientSampleId :

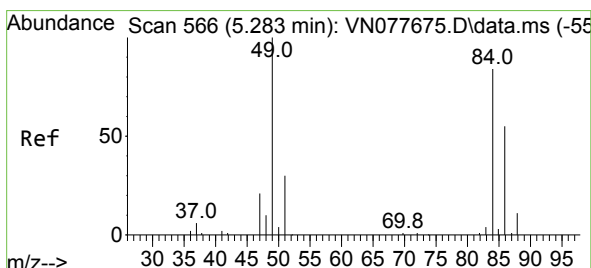
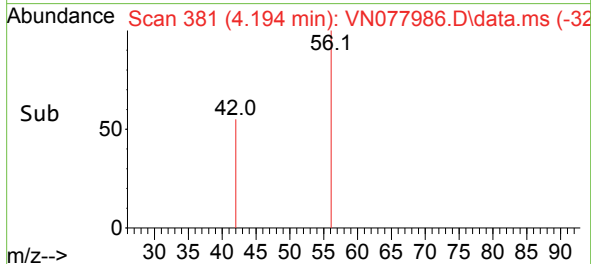
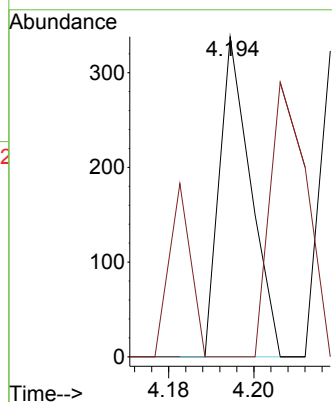
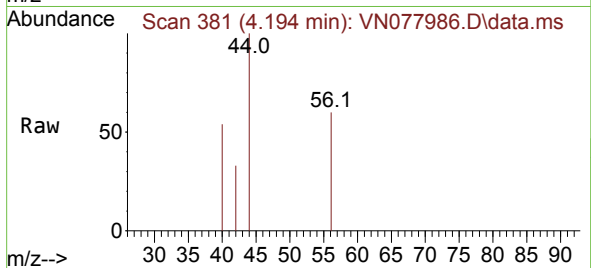
VN0531WBL01

Tgt Ion: 56 Resp: 172

Ion Ratio Lower Upper

56 100

55 37.8 54.5 81.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.306 min Scan# 570

Delta R.T. 0.023 min

Lab File: VN077986.D

Acq: 31 May 2023 11:54

Tgt Ion: 84 Resp: 1662

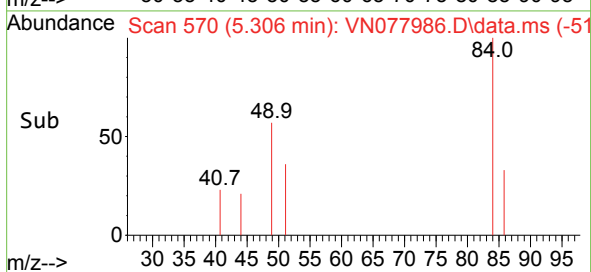
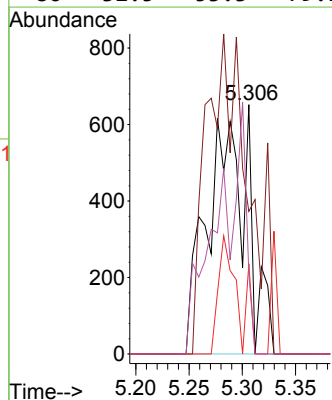
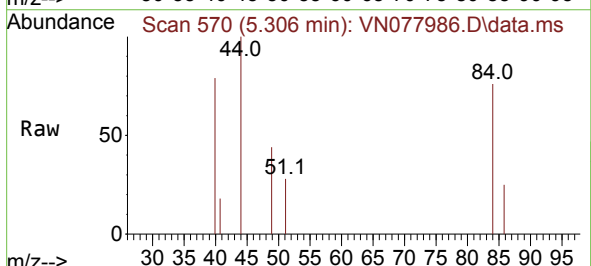
Ion Ratio Lower Upper

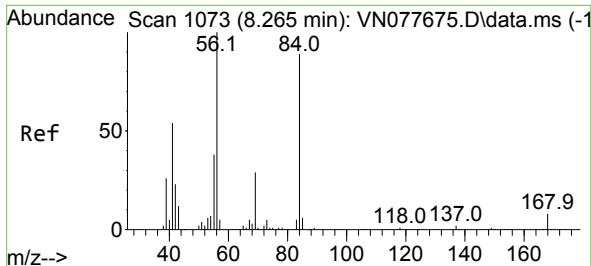
84 100

49 57.2 79.7 119.5#

51 36.2 25.2 37.8

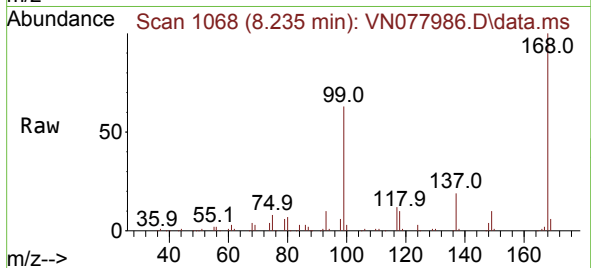
86 32.5 53.3 79.9#



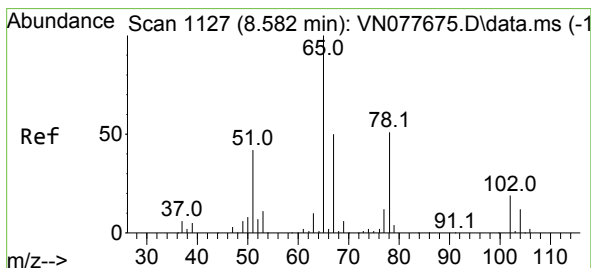
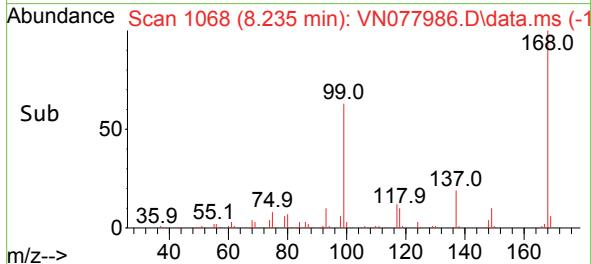
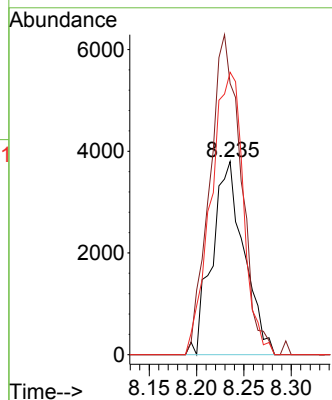


#31
Cyclohexane
Concen: 1.101 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077986.D
Acq: 31 May 2023 11:54

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBL01

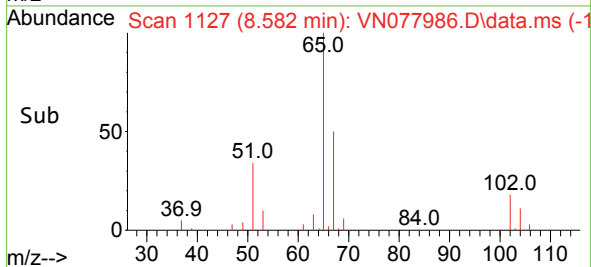
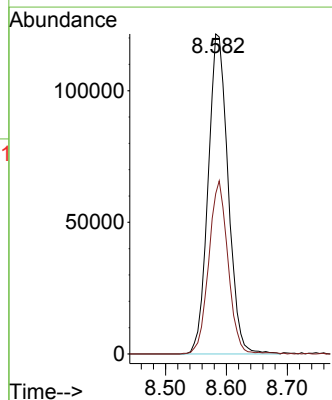
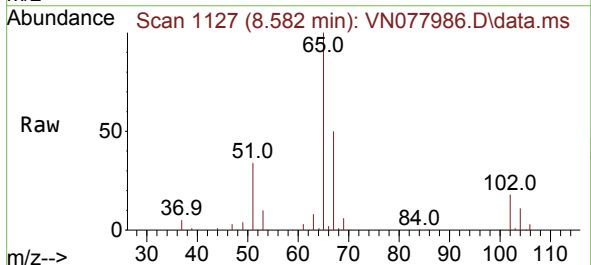


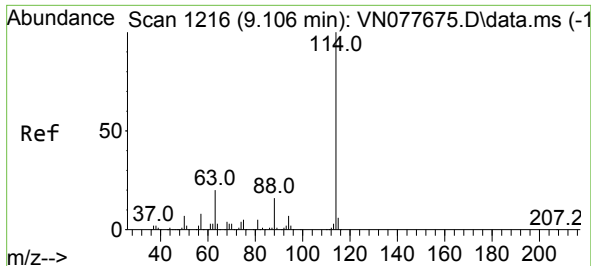
Tgt Ion: 56 Resp: 8887
Ion Ratio Lower Upper
56 100
69 140.5 26.8 40.2#
84 146.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 46.615 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN077986.D
Acq: 31 May 2023 11:54

Tgt Ion: 65 Resp: 276920
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.6

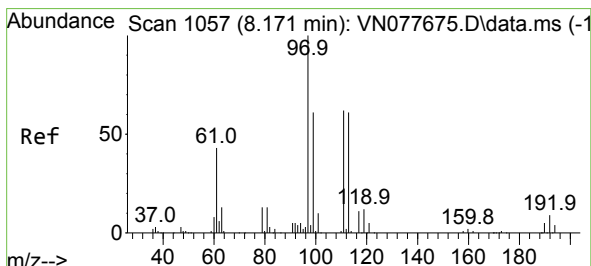
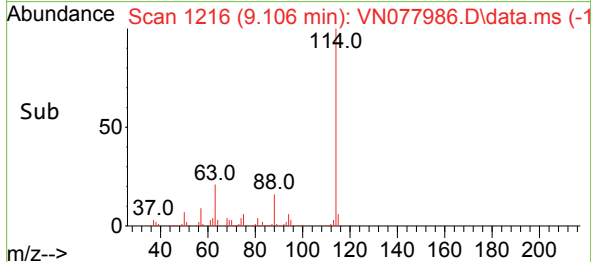
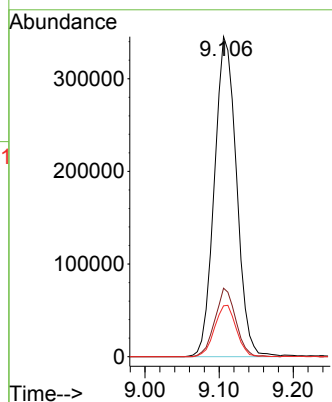
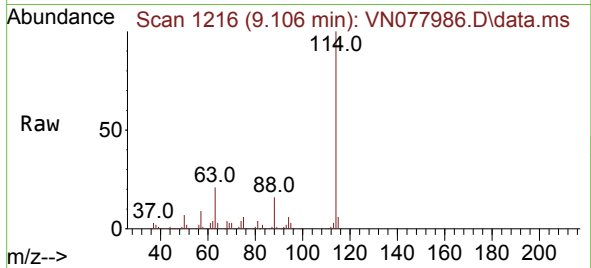




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077986.D
Acq: 31 May 2023 11:54

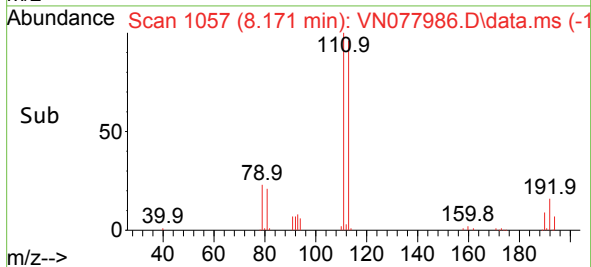
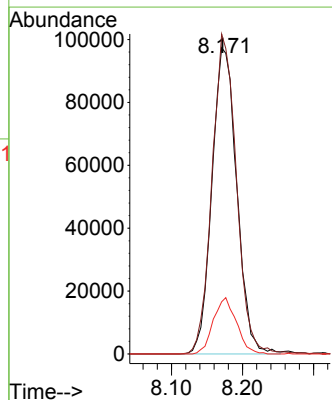
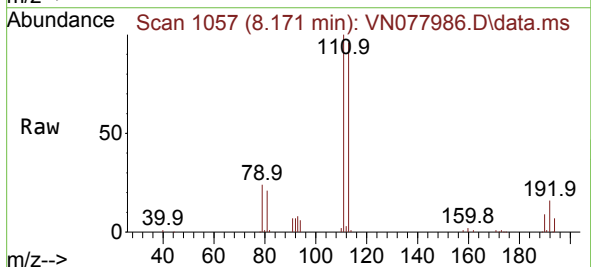
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MSVOA_N
ClientSampleId :
VN0531WBL01

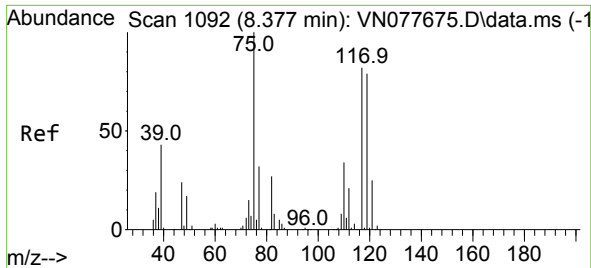
Tgt Ion:114 Resp: 715686
Ion Ratio Lower Upper
114 100
63 21.4 0.0 36.4
88 15.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.670 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077986.D
Acq: 31 May 2023 11:54

Tgt Ion:113 Resp: 236473
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 17.1 12.7 19.1

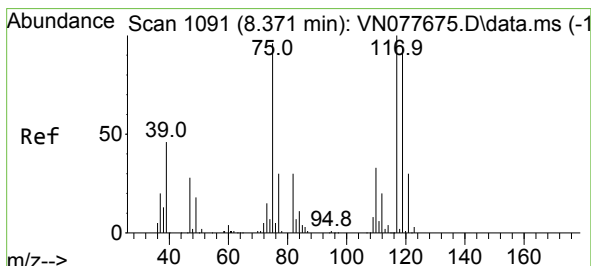
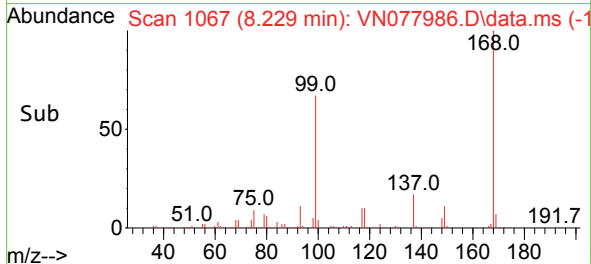
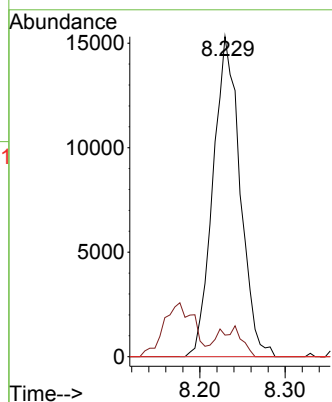
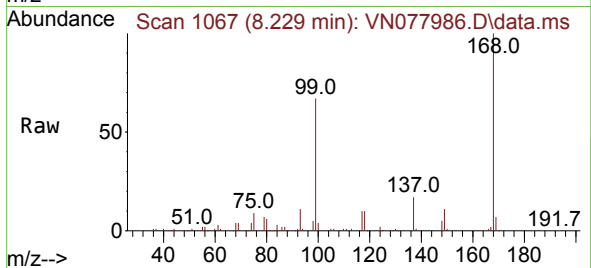




#36
1,1-Dichloropropene
Concen: 4.952 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.148 min
Lab File: VN077986.D
Acq: 31 May 2023 11:54

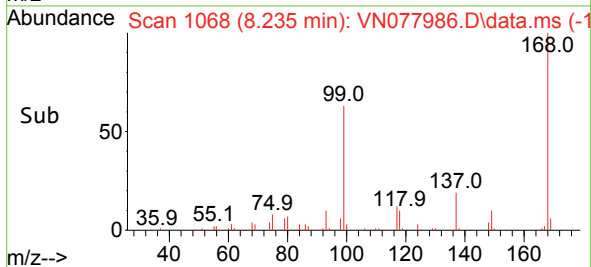
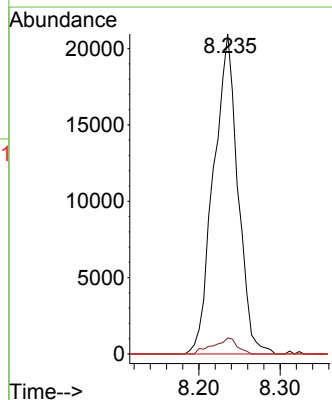
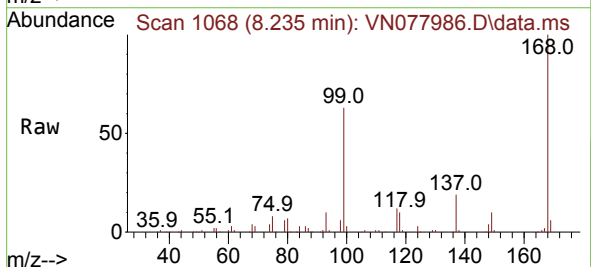
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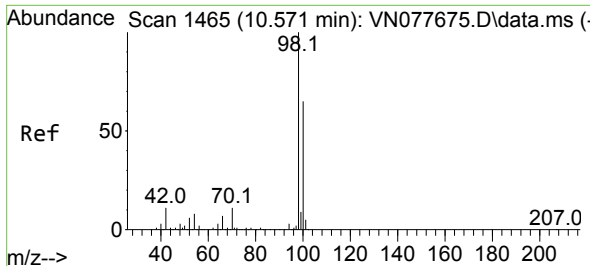
Tgt Ion: 75 Resp: 33804
Ion Ratio Lower Upper
75 100
110 8.5 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.336 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN077986.D
Acq: 31 May 2023 11:54

Tgt Ion: 117 Resp: 43670
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 23.3 34.9#

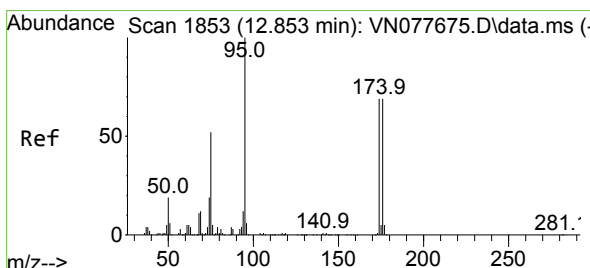
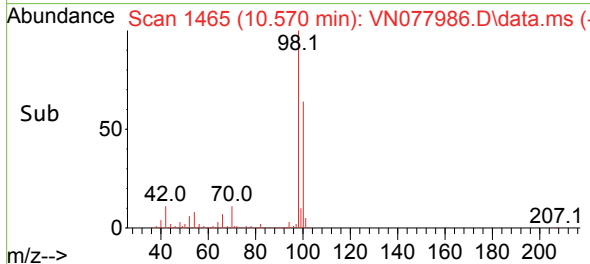
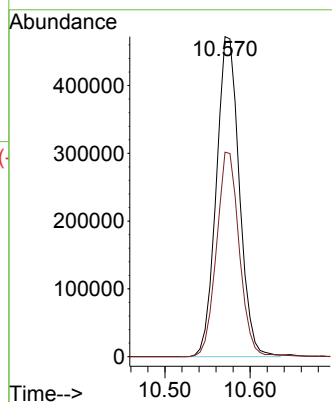
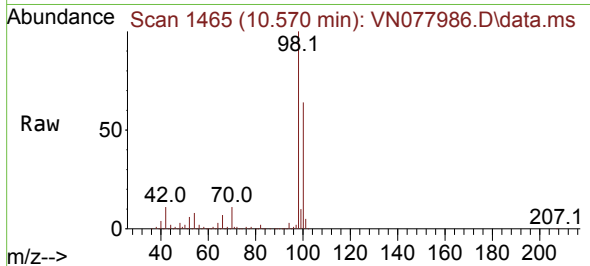




#50
Toluene-d8
Concen: 49.375 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN077986.D
Acq: 31 May 2023 11:54

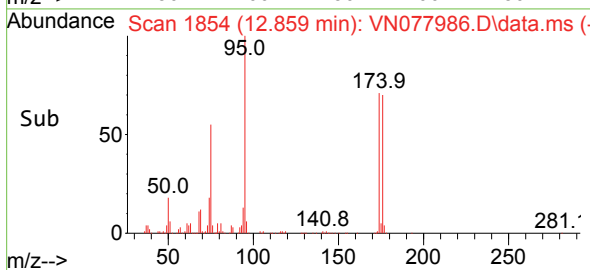
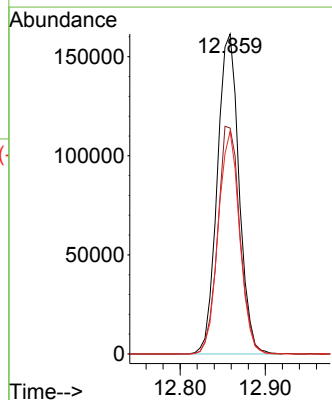
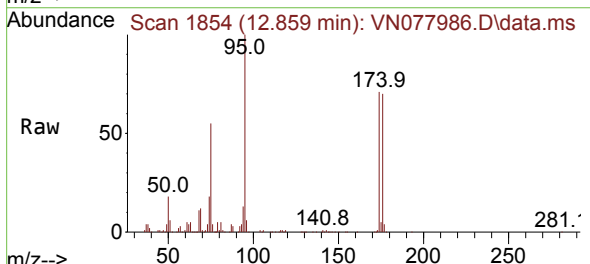
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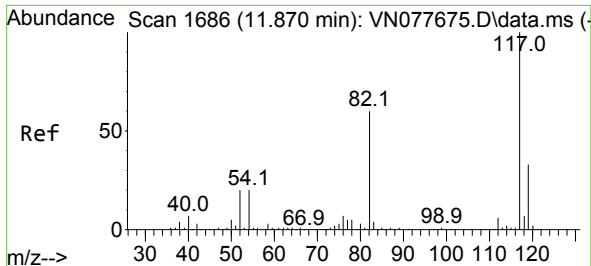
Tgt Ion: 98 Resp: 886938
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 45.031 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077986.D
Acq: 31 May 2023 11:54

Tgt Ion: 95 Resp: 285691
Ion Ratio Lower Upper
95 100
174 72.8 0.0 143.8
176 68.6 0.0 135.8

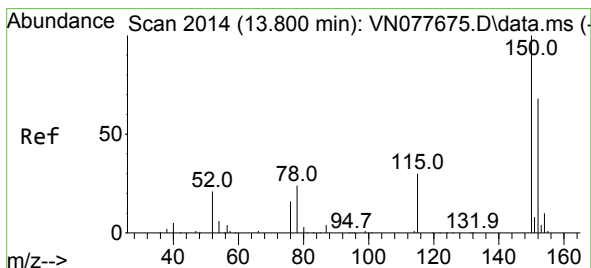
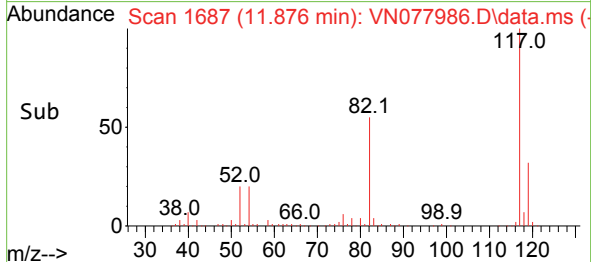
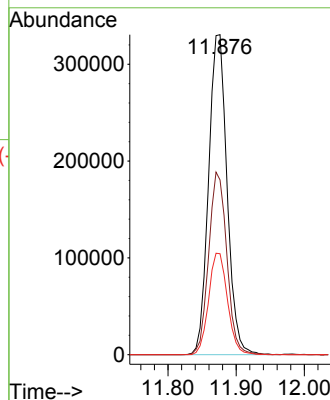
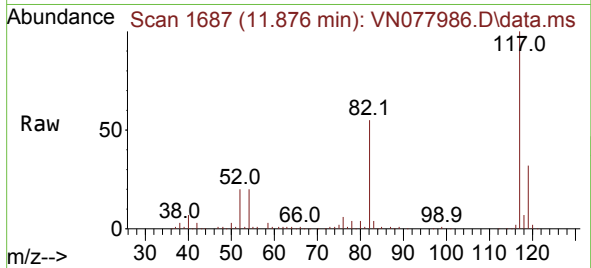




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077986.D
Acq: 31 May 2023 11:54

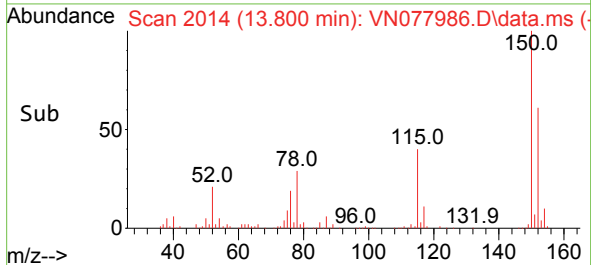
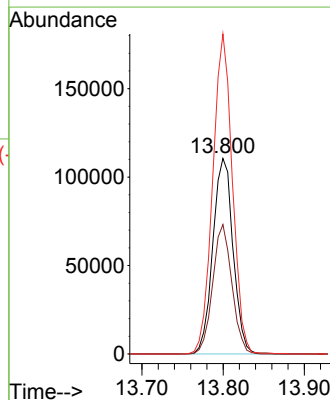
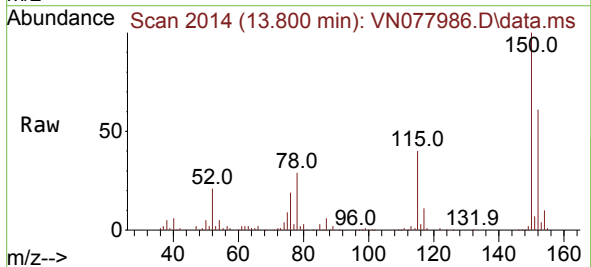
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBL01

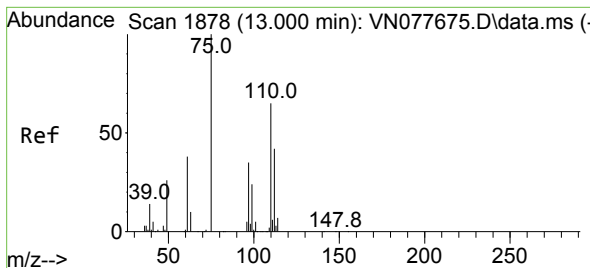
Tgt Ion:117 Resp: 623446
Ion Ratio Lower Upper
117 100
82 54.6 44.0 66.0
119 31.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077986.D
Acq: 31 May 2023 11:54

Tgt Ion:152 Resp: 191620
Ion Ratio Lower Upper
152 100
115 62.7 32.3 96.8
150 158.8 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 31.408 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN077986.D

Acq: 31 May 2023 11:54

Instrument :

MSVOA_N

ClientSampleId :

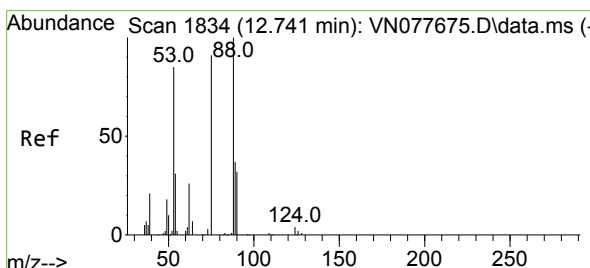
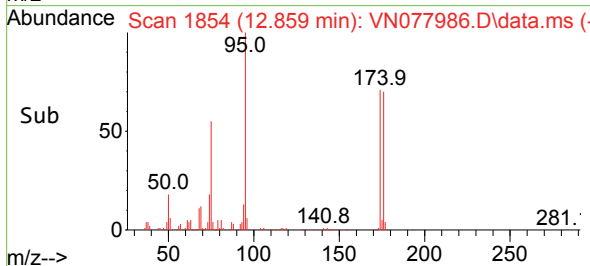
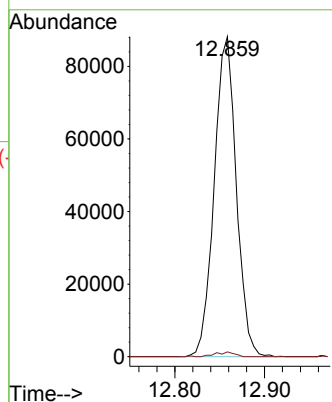
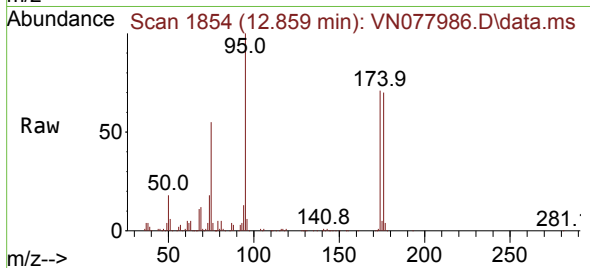
VN0531WBL01

Tgt Ion: 75 Resp: 150722

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 100.396 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN077986.D

Acq: 31 May 2023 11:54

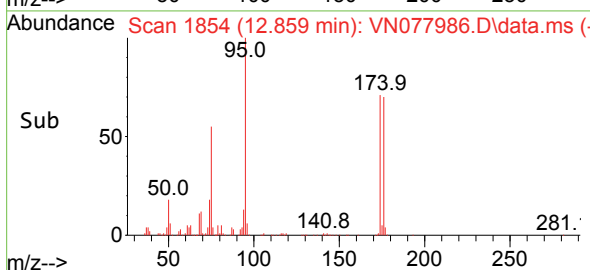
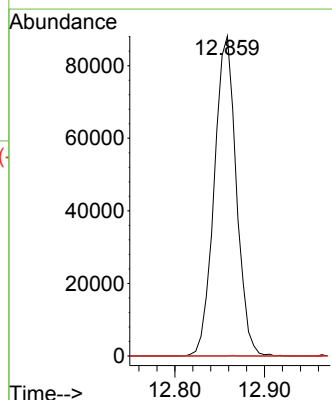
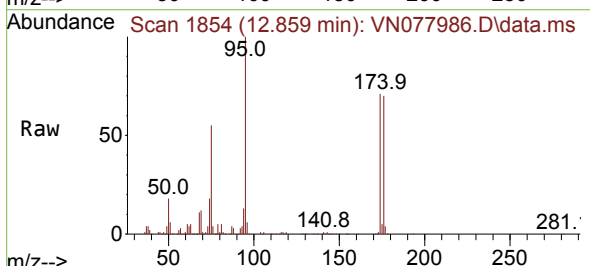
Tgt Ion: 75 Resp: 150722

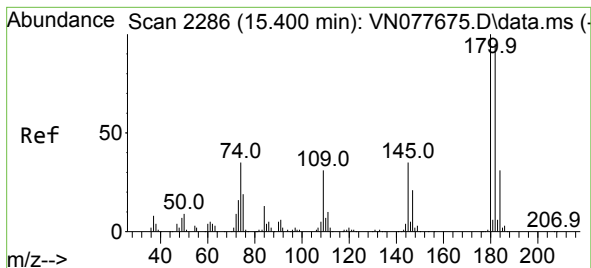
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.329 ug/l

RT: 15.400 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077986.D

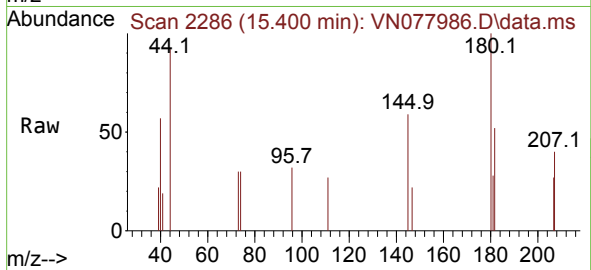
Acq: 31 May 2023 11:54

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBL01



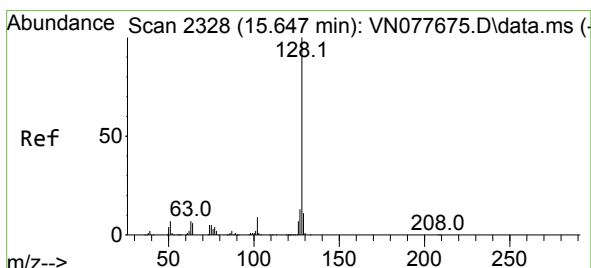
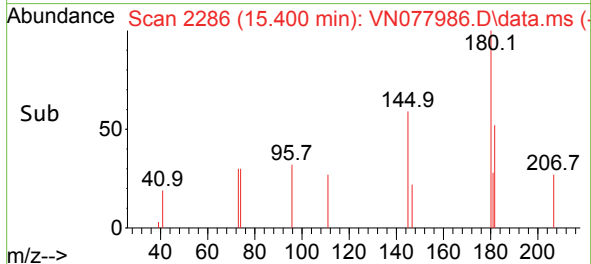
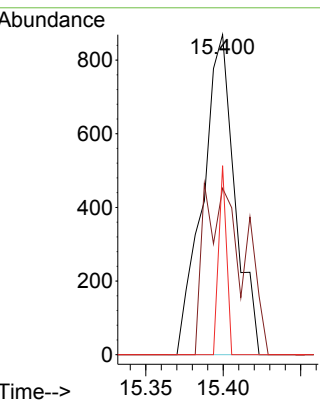
Tgt Ion:180 Resp: 1253

Ion Ratio Lower Upper

180 100

182 64.9 46.1 138.2

145 14.4 16.6 49.8#



#95

Naphthalene

Concen: 0.328 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN077986.D

Acq: 31 May 2023 11:54

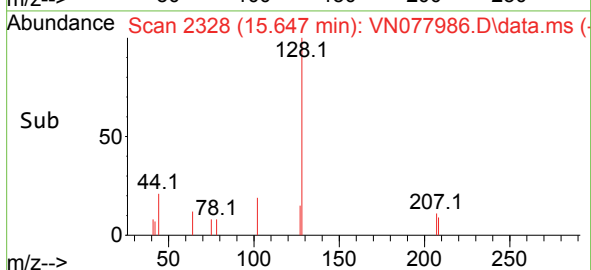
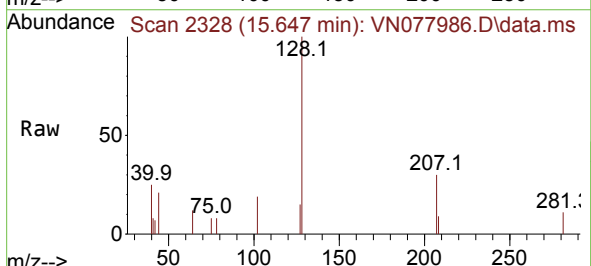
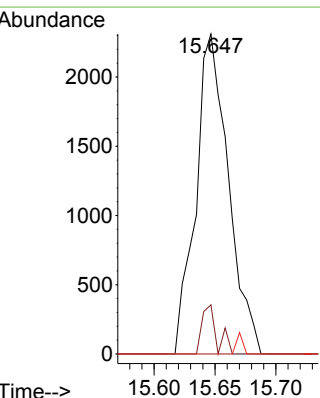
Tgt Ion:128 Resp: 4302

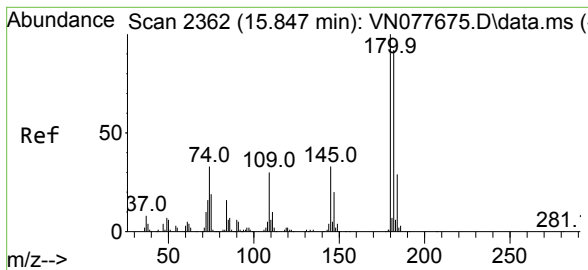
Ion Ratio Lower Upper

128 100

127 7.0 10.0 15.0#

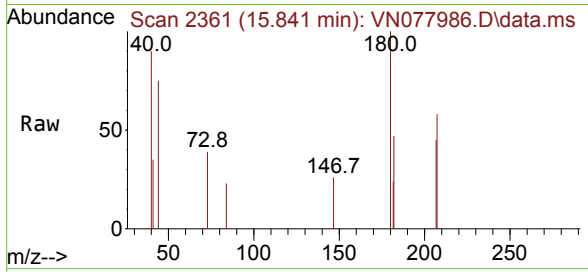
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.267 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN077986.D
 Acq: 31 May 2023 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBL01



Tgt Ion:	180	Resp:	994
Ion	Ratio	Lower	Upper
180	100		
182	105.3	46.2	138.6
145	19.9	17.5	52.6

