

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021523\
 Data File : VN076686.D
 Acq On : 15 Feb 2023 15:03
 Operator : JC\MD
 Sample : VN0215WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 16 04:32:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

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

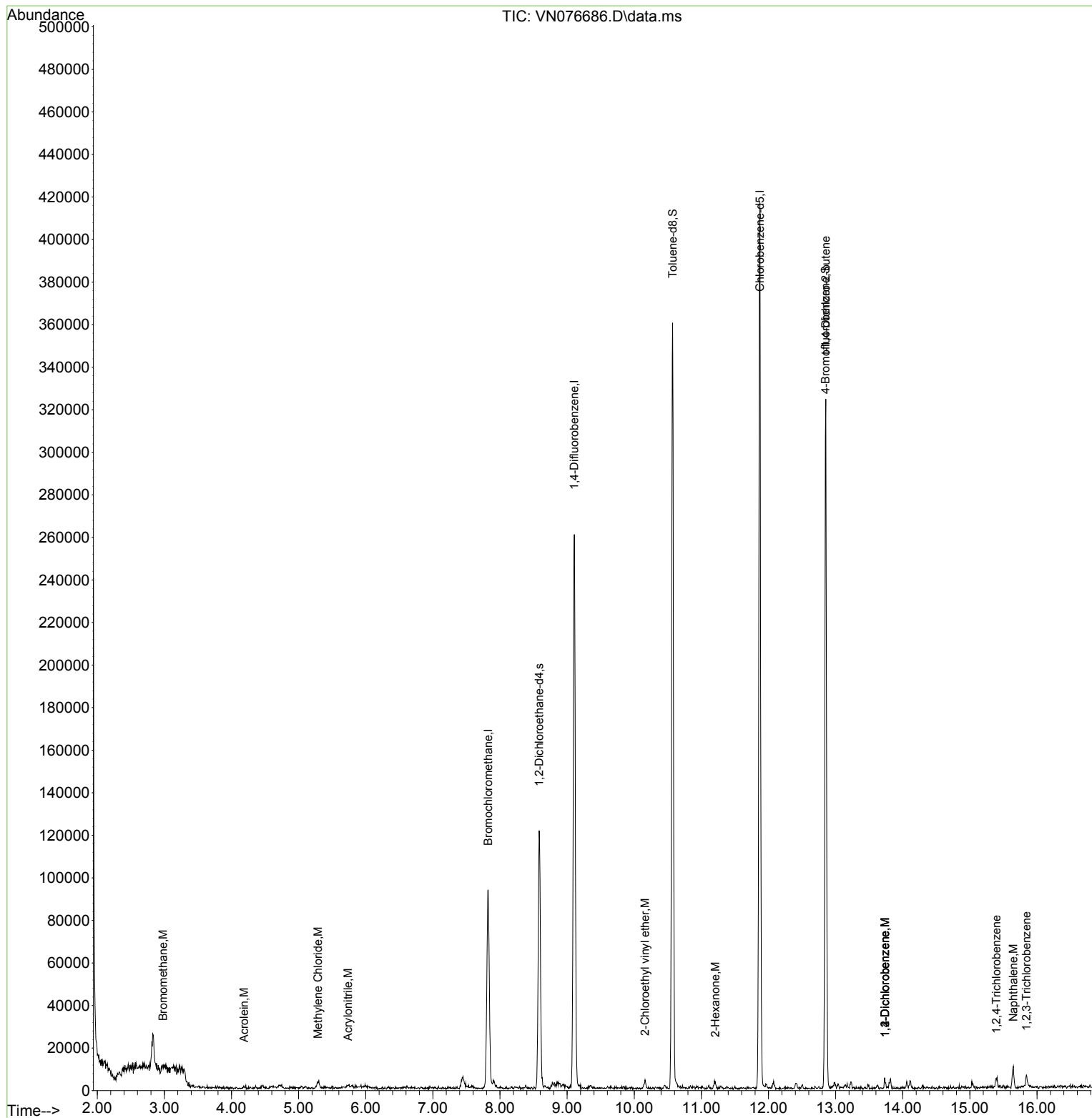
Internal Standards						
1) Bromochloromethane	7.825	128	31943	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	218754	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.872	117	226785	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	96507	33.033	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.100%#
60) 4-Bromofluorobenzene	12.848	95	103097	25.701	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.667%
63) Toluene-d8	10.572	98	245596	30.918	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.067%
Target Compounds						
					Qvalue	
5) Bromomethane	2.978	94	1042	0.341	ug/l #	80
13) Acrolein	4.190	56	580	0.756	ug/l #	15
14) Acrylonitrile	5.737	53	1405	0.708	ug/l #	40
18) Methylene Chloride	5.290	84	1396	0.351	ug/l #	52
55) 2-Chloroethyl vinyl ether	10.160	63	1118	0.453	ug/l #	71
59) 2-Hexanone	11.207	43	2897	0.722	ug/l #	46
77) t-1,4-Dichloro-2-butene	12.854	75	56182	36.629	ug/l #	9
83) 1,3-Dichlorobenzene	13.736	146	1636	0.223	ug/l	83
84) 1,4-Dichlorobenzene	13.736	146	1636	0.228	ug/l	78
87) 1,2-Dichlorobenzene	13.736	146	1636	0.222	ug/l	84
89) 1,2,4-Trichlorobenzene	15.395	180	1666	0.442	ug/l #	91
91) Naphthalene	15.648	128	9110	0.752	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.842	180	1331	0.348	ug/l	88

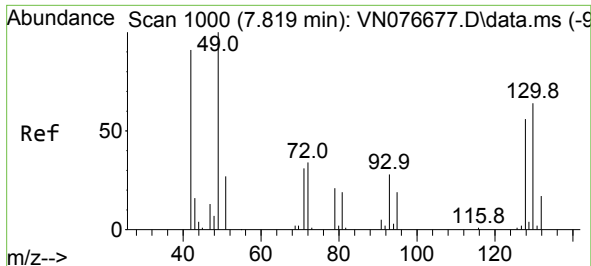
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021523\
Data File : VN076686.D
Acq On : 15 Feb 2023 15:03
Operator : JC\MD
Sample : VN0215WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 16 04:32:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Feb 16 01:08:46 2023
Response via : Initial Calibration

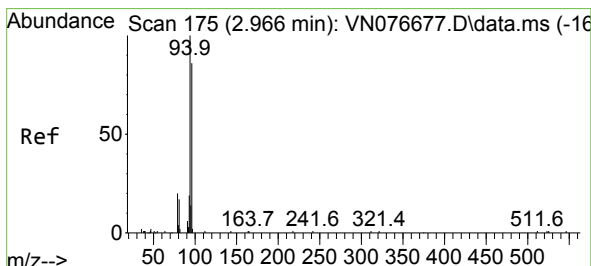
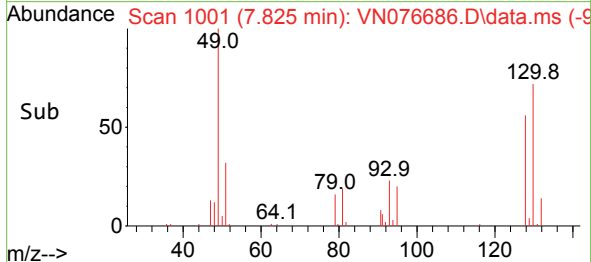
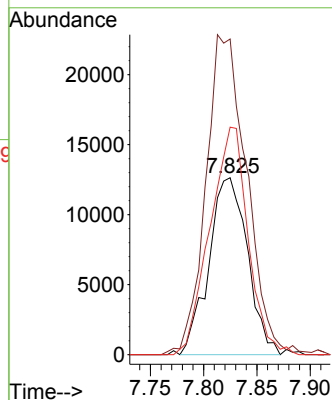
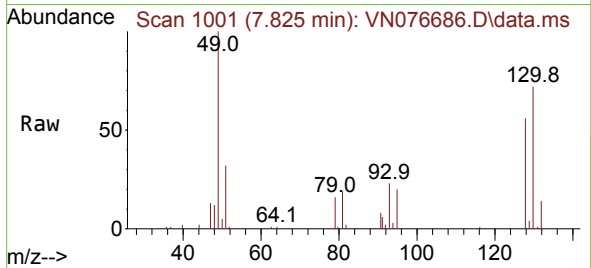




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.825 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN076686.D
Acq: 15 Feb 2023 15:03

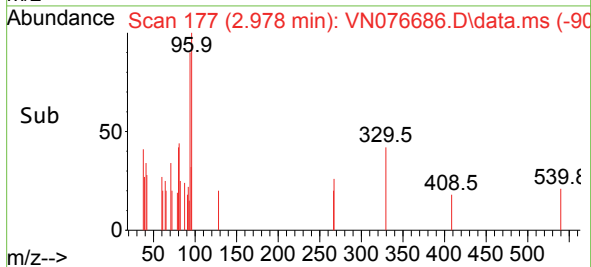
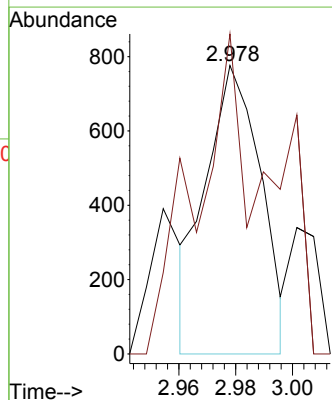
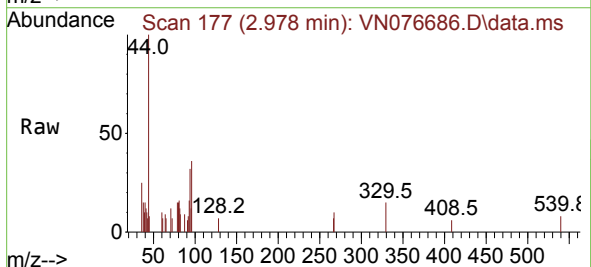
Instrument :
MSVOA_N
ClientSampleId :

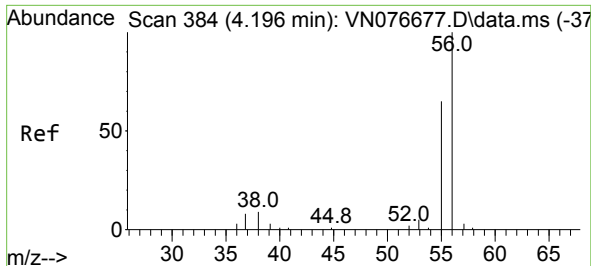
Tgt Ion:128 Resp: 31943
Ion Ratio Lower Upper
128 100
49 187.9 0.0 461.8
130 127.0 0.0 295.3



#5
Bromomethane
Concen: 0.341 ug/l
RT: 2.978 min Scan# 177
Delta R.T. 0.012 min
Lab File: VN076686.D
Acq: 15 Feb 2023 15:03

Tgt Ion: 94 Resp: 1042
Ion Ratio Lower Upper
94 100
96 67.1 68.6 103.0#





#13

Acrolein

Concen: 0.756 ug/l

RT: 4.190 min Scan# 384

Delta R.T. -0.006 min

Lab File: VN076686.D

Acq: 15 Feb 2023 15:03

Instrument :

MSVOA_N

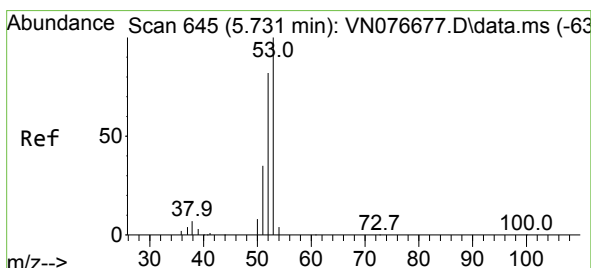
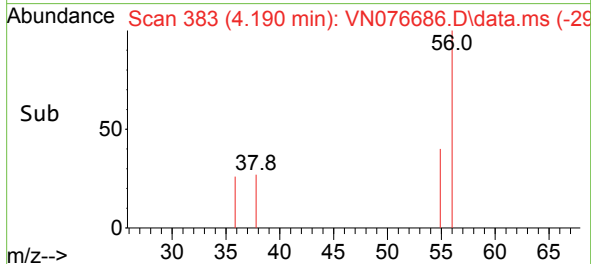
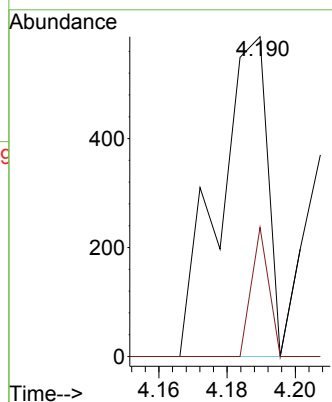
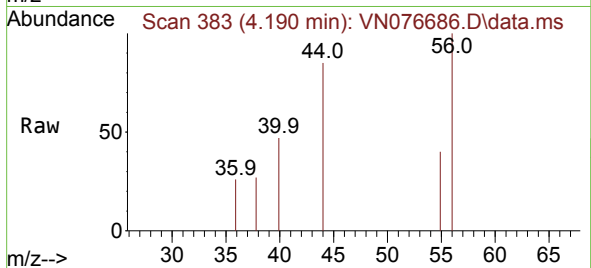
ClientSampleId :

Tgt Ion: 56 Resp: 580

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.4#



#14

Acrylonitrile

Concen: 0.708 ug/l

RT: 5.737 min Scan# 646

Delta R.T. 0.006 min

Lab File: VN076686.D

Acq: 15 Feb 2023 15:03

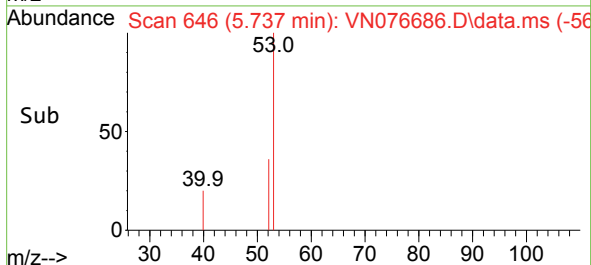
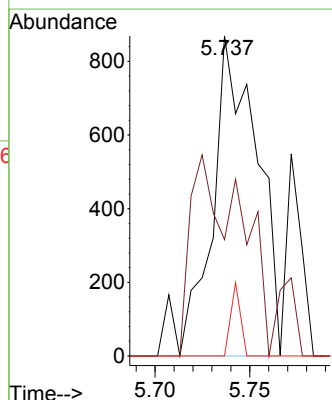
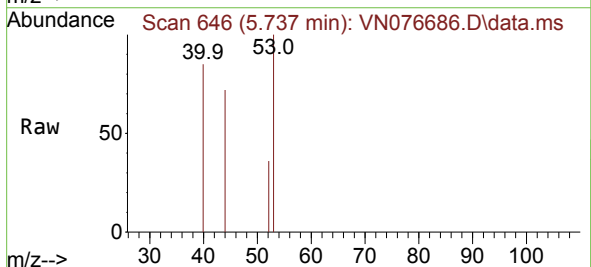
Tgt Ion: 53 Resp: 1405

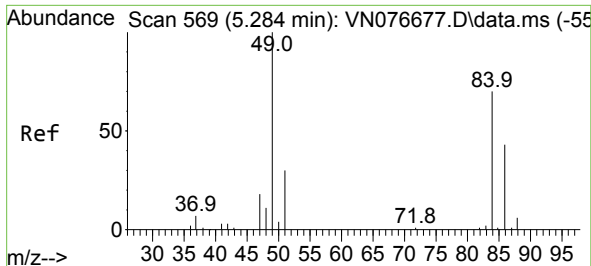
Ion Ratio Lower Upper

53 100

52 29.5 41.5 124.6#

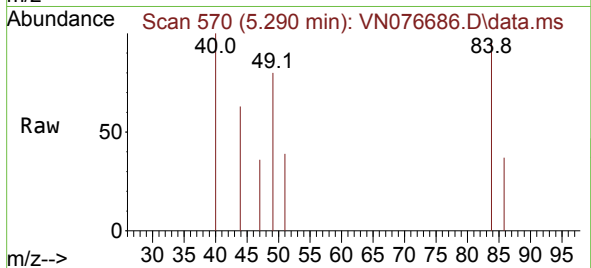
51 0.0 17.6 52.8#



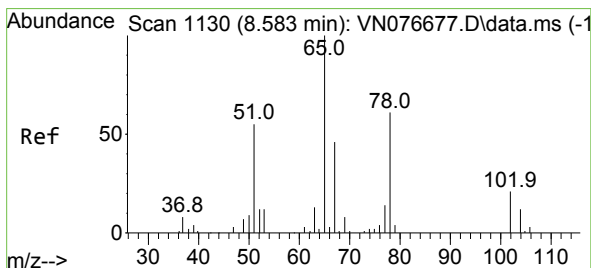
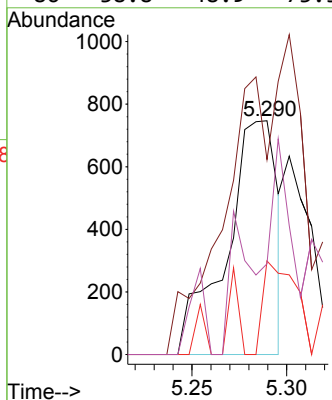
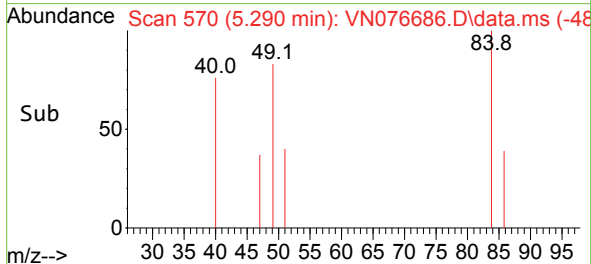


#18
Methylene Chloride
Concen: 0.351 ug/l
RT: 5.290 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN076686.D
Acq: 15 Feb 2023 15:03

Instrument :
MSVOA_N
ClientSampleId :

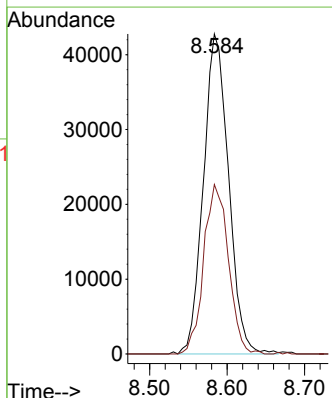
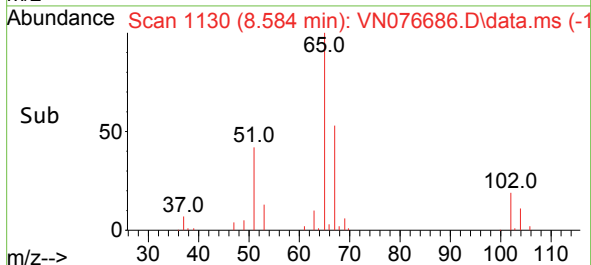
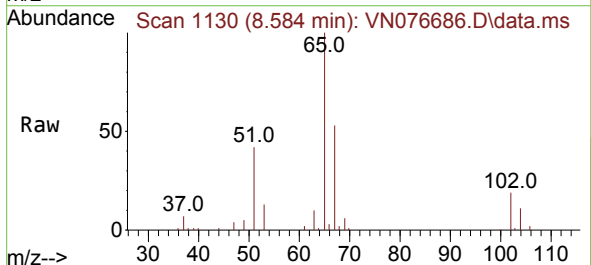


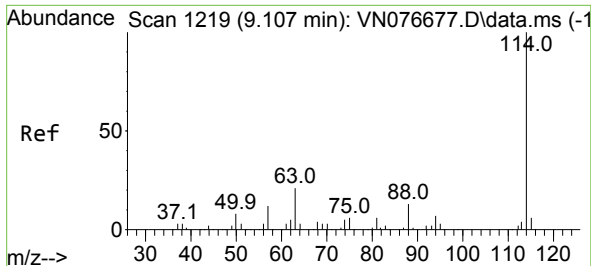
Tgt Ion: 84 Resp: 1396
Ion Ratio Lower Upper
84 100
49 56.5 113.8 170.6#
51 40.0 34.2 51.4
86 38.8 48.9 73.3#



#27
1,2-Dichloroethane-d4
Concen: 33.033 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN076686.D
Acq: 15 Feb 2023 15:03

Tgt Ion: 65 Resp: 96507
Ion Ratio Lower Upper
65 100
67 51.7 40.9 61.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

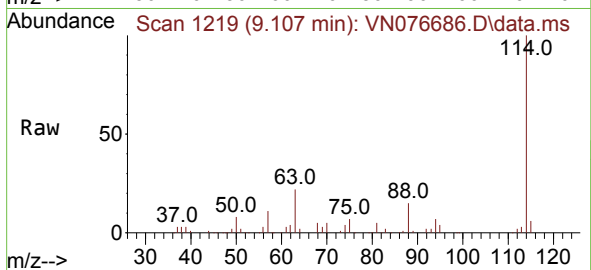
Lab File: VN076686.D

Acq: 15 Feb 2023 15:03

Instrument :

MSVOA_N

ClientSampleId :



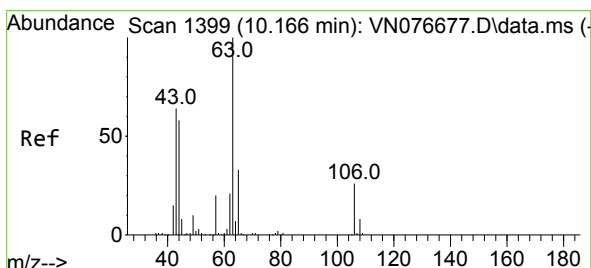
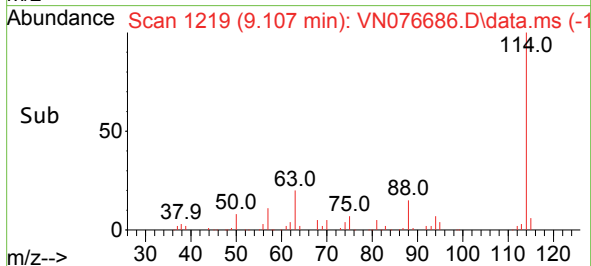
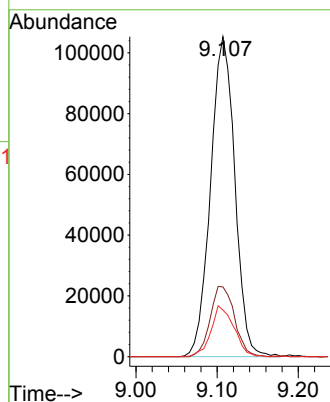
Tgt Ion:114 Resp: 218754

Ion Ratio Lower Upper

114 100

63 22.0 17.0 25.4

88 15.0 11.6 17.4



#55

2-Chloroethyl vinyl ether

Concen: 0.453 ug/l

RT: 10.160 min Scan# 1398

Delta R.T. -0.006 min

Lab File: VN076686.D

Acq: 15 Feb 2023 15:03

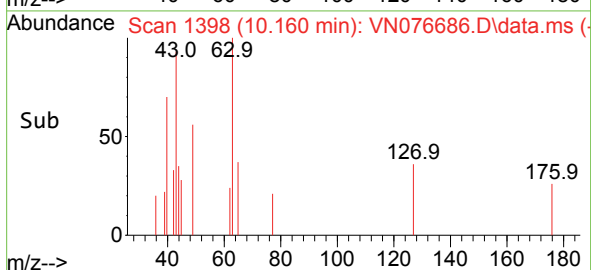
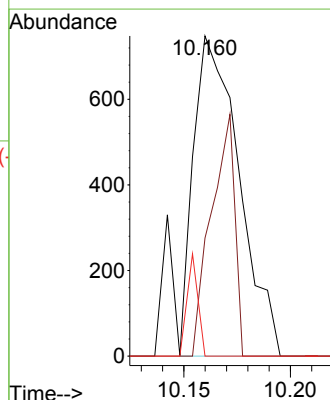
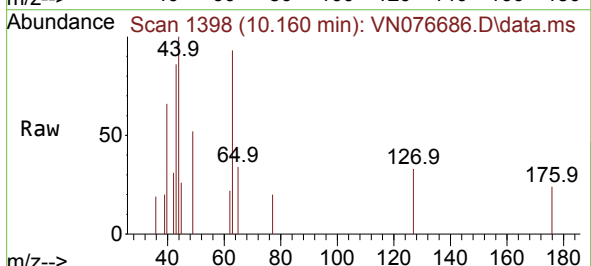
Tgt Ion: 63 Resp: 1118

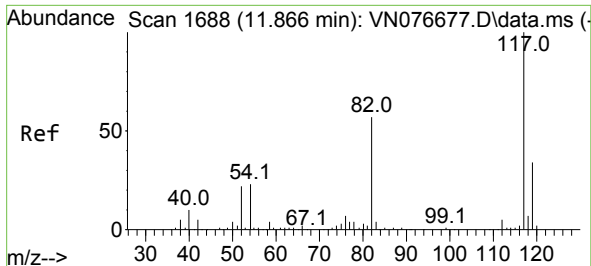
Ion Ratio Lower Upper

63 100

65 39.0 26.3 39.5

106 0.0 21.6 32.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.872 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076686.D

Acq: 15 Feb 2023 15:03

Instrument :

MSVOA_N

ClientSampleId :

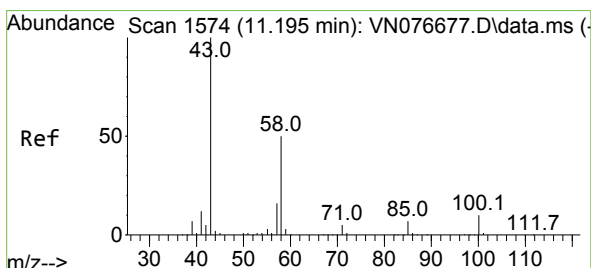
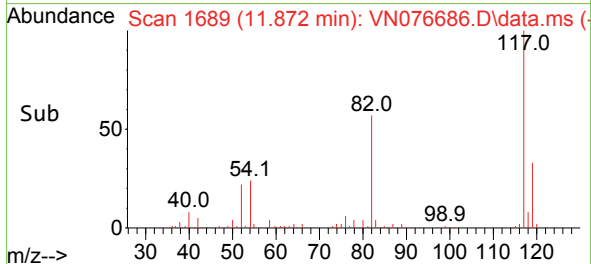
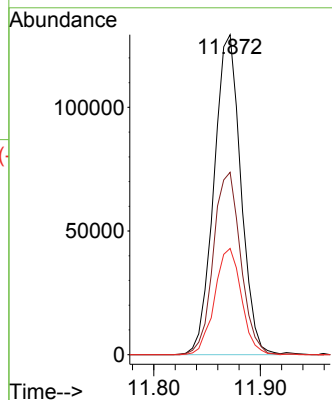
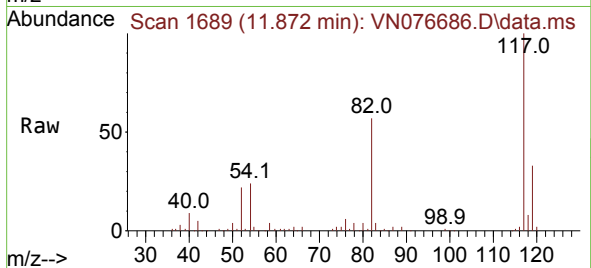
Tgt Ion:117 Resp: 226785

Ion Ratio Lower Upper

117 100

82 57.9 45.4 68.0

119 33.1 26.8 40.2



#59

2-Hexanone

Concen: 0.722 ug/l

RT: 11.207 min Scan# 1576

Delta R.T. 0.012 min

Lab File: VN076686.D

Acq: 15 Feb 2023 15:03

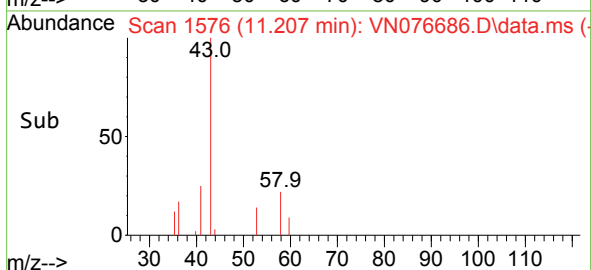
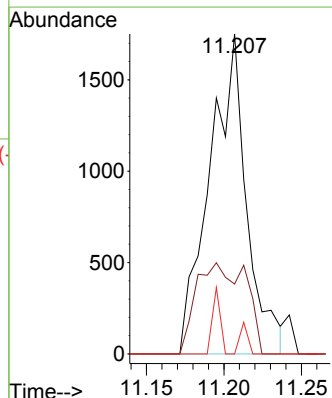
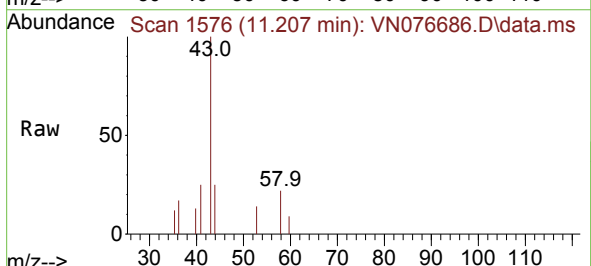
Tgt Ion: 43 Resp: 2897

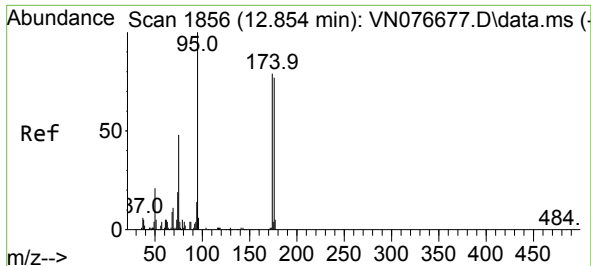
Ion Ratio Lower Upper

43 100

58 9.6 40.6 60.8#

57 0.0 13.1 19.7#

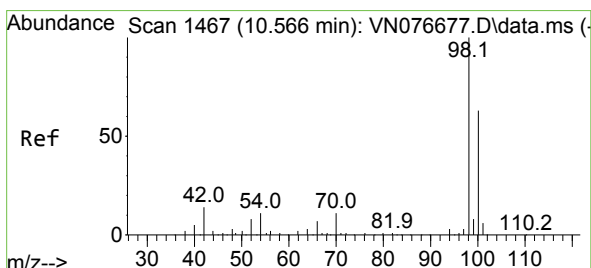
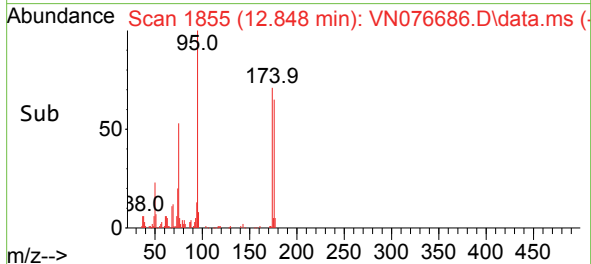
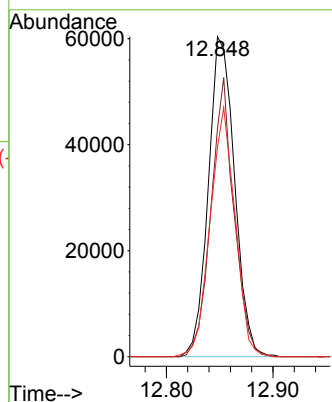
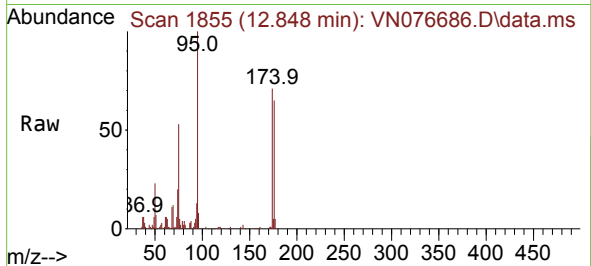




#60
4-Bromofluorobenzene
Concen: 25.701 ug/l
RT: 12.848 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076686.D
Acq: 15 Feb 2023 15:03

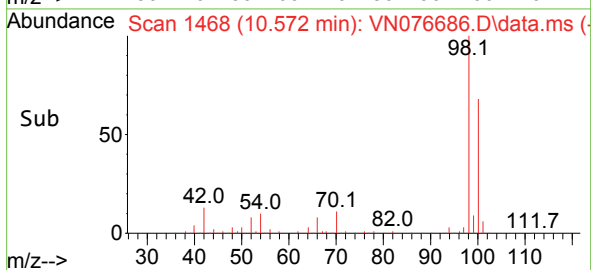
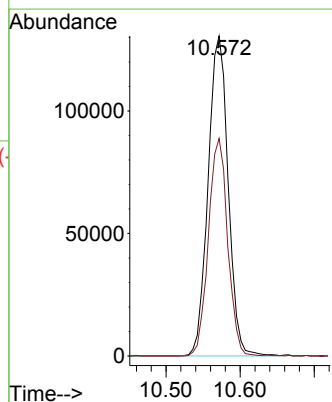
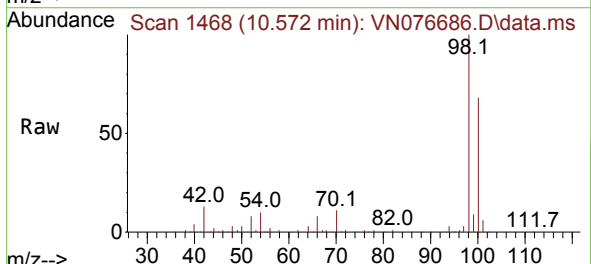
Instrument :
MSVOA_N
ClientSampleId :

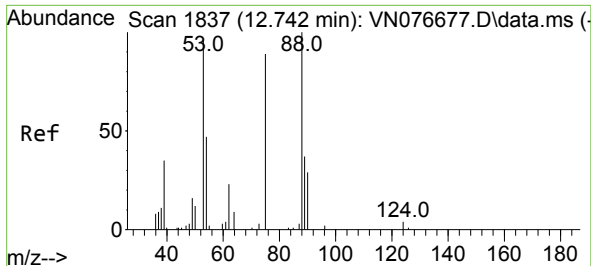
Tgt Ion: 95 Resp: 103097
Ion Ratio Lower Upper
95 100
174 76.5 64.2 96.4
176 74.0 61.4 92.0



#63
Toluene-d8
Concen: 30.918 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076686.D
Acq: 15 Feb 2023 15:03

Tgt Ion: 98 Resp: 245596
Ion Ratio Lower Upper
98 100
100 65.1 53.8 80.6

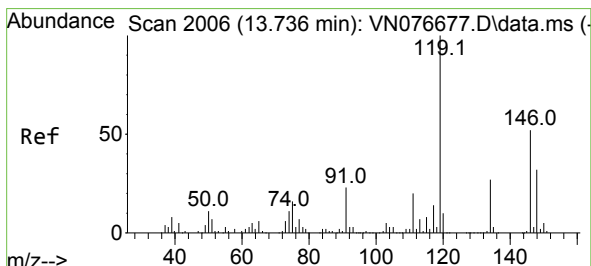
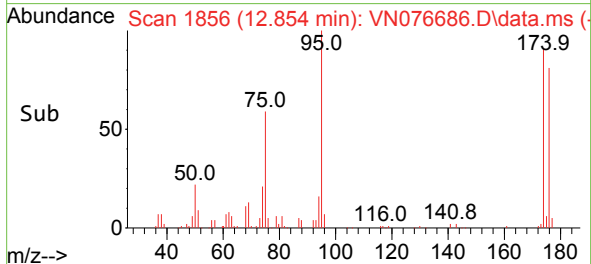
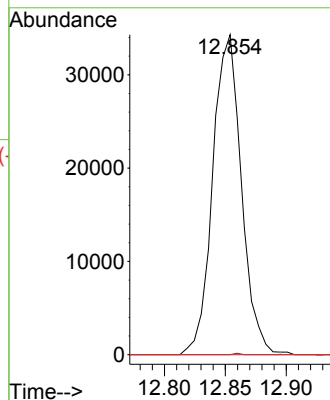
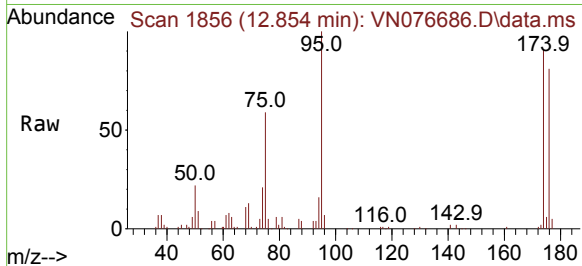




#77
t-1,4-Dichloro-2-butene
Concen: 36.629 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN076686.D
Acq: 15 Feb 2023 15:03

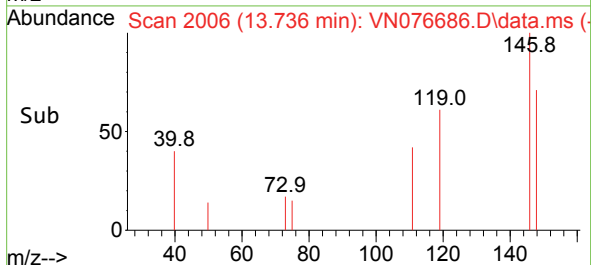
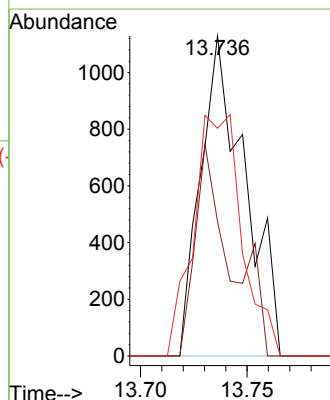
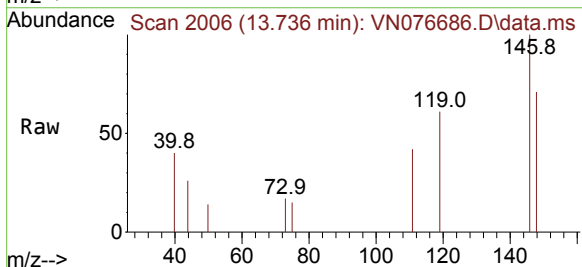
Instrument :
MSVOA_N
ClientSampleId :

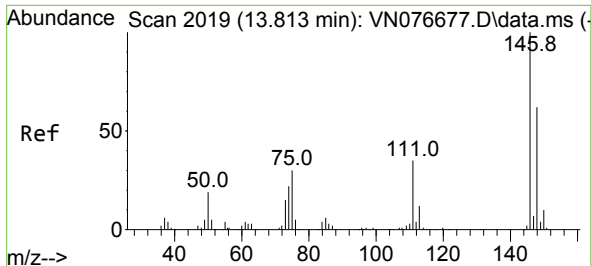
Tgt Ion: 75 Resp: 56182
Ion Ratio Lower Upper
75 100
53 0.0 50.4 151.3#
89 0.0 22.1 66.5#



#83
1,3-Dichlorobenzene
Concen: 0.223 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN076686.D
Acq: 15 Feb 2023 15:03

Tgt Ion:146 Resp: 1636
Ion Ratio Lower Upper
146 100
111 44.6 20.3 60.8
148 82.3 31.9 95.5

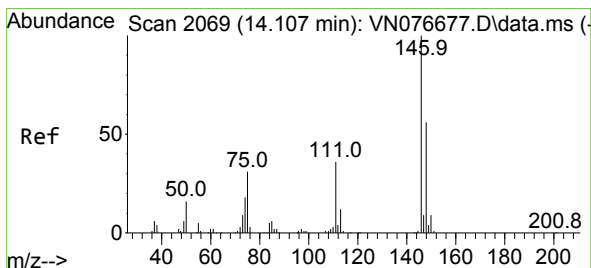
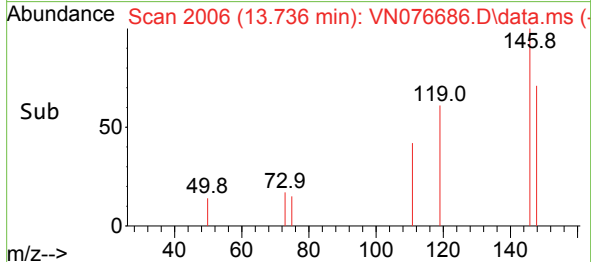
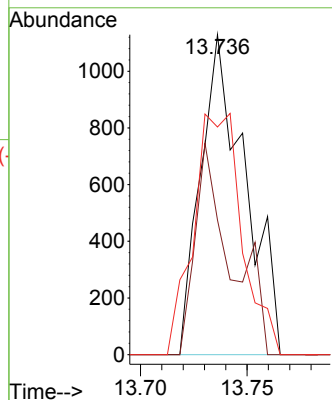
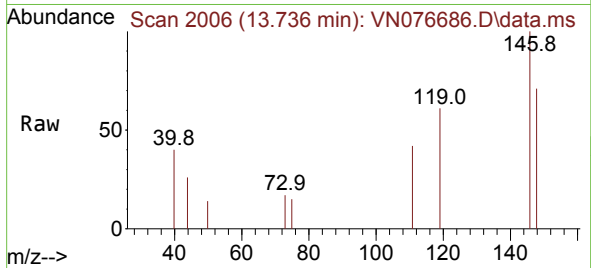




#84
1,4-Dichlorobenzene
Concen: 0.228 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.076 min
Lab File: VN076686.D
Acq: 15 Feb 2023 15:03

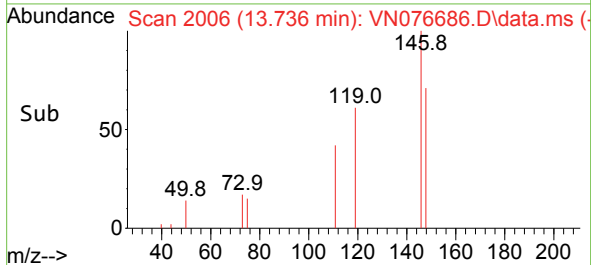
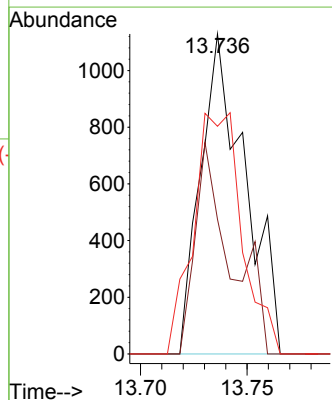
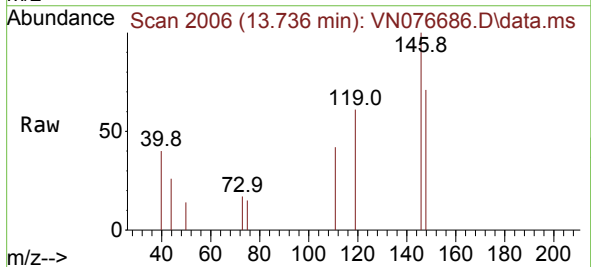
Instrument :
MSVOA_N
ClientSampleId :

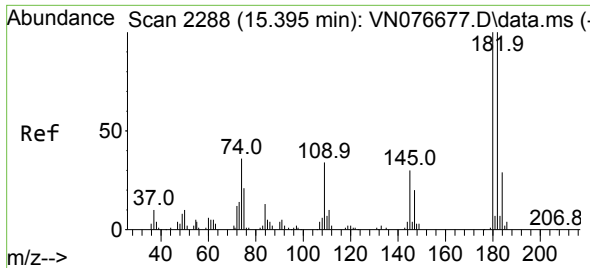
Tgt Ion:146 Resp: 1636
Ion Ratio Lower Upper
146 100
111 44.6 18.2 54.6
148 82.3 31.1 93.2



#87
1,2-Dichlorobenzene
Concen: 0.222 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. -0.371 min
Lab File: VN076686.D
Acq: 15 Feb 2023 15:03

Tgt Ion:146 Resp: 1636
Ion Ratio Lower Upper
146 100
111 44.6 20.5 61.6
148 82.3 32.5 97.5

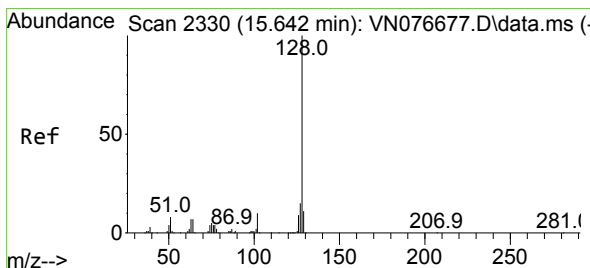
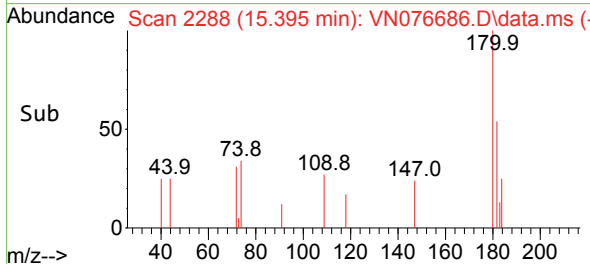
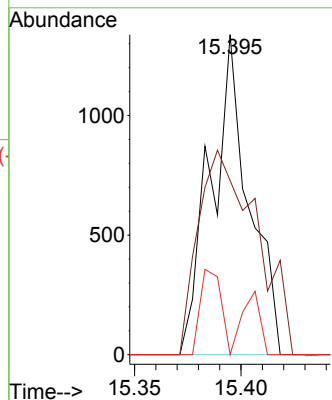
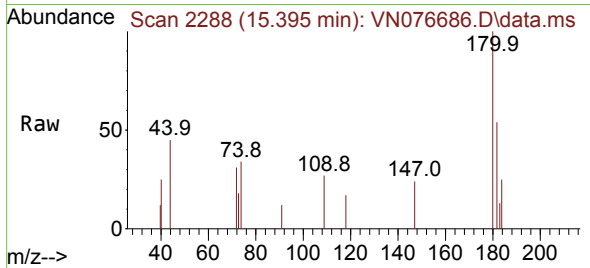




#89
1,2,4-Trichlorobenzene
Concen: 0.442 ug/l
RT: 15.395 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN076686.D
Acq: 15 Feb 2023 15:03

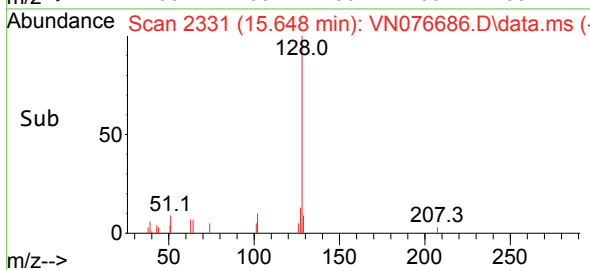
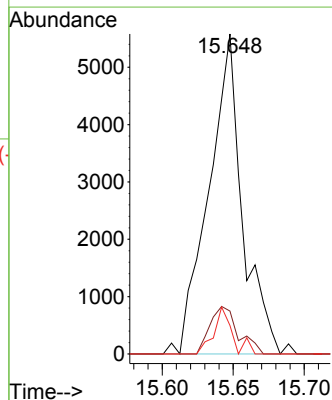
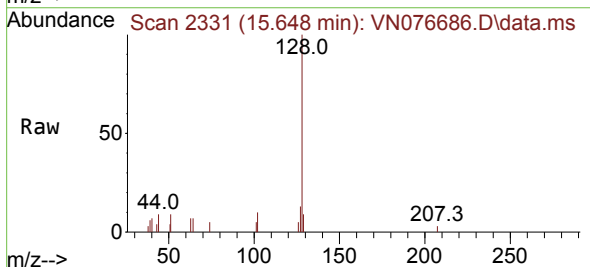
Instrument :
MSVOA_N
ClientSampleId :

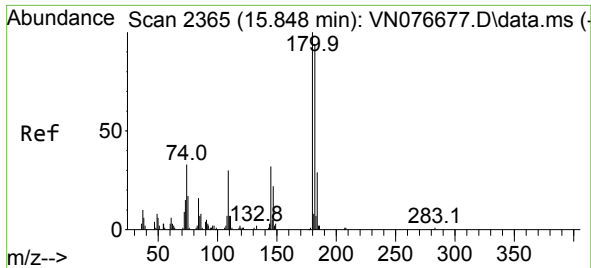
Tgt Ion:180 Resp: 1666
Ion Ratio Lower Upper
180 100
182 97.7 76.6 115.0
145 14.5 24.6 36.8#



#91
Naphthalene
Concen: 0.752 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN076686.D
Acq: 15 Feb 2023 15:03

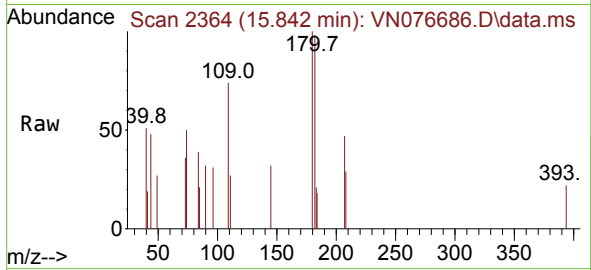
Tgt Ion:128 Resp: 9110
Ion Ratio Lower Upper
128 100
127 10.7 11.0 16.6#
129 7.0 8.9 13.3#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.348 ug/l
 RT: 15.842 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN076686.D
 Acq: 15 Feb 2023 15:03

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1331
Ion	Ratio	Lower	Upper
180	100		
182	95.5	0.0	190.8
145	5.5	0.0	65.0

