

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021523\
 Data File : VN076688.D
 Acq On : 15 Feb 2023 16:28
 Operator : JC\MD
 Sample : 01535-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 16 04:33:17 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)

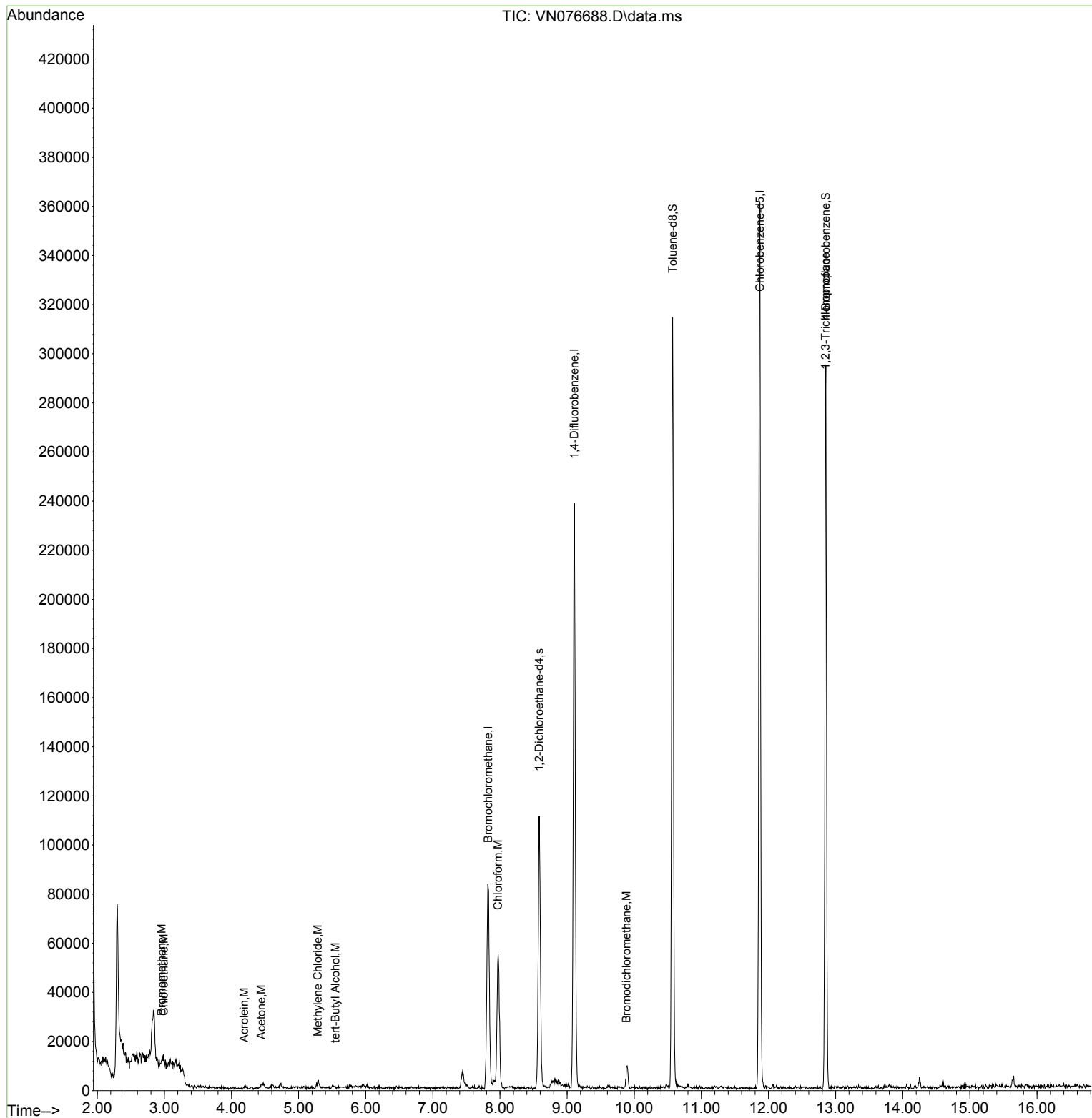
Internal Standards						
1) Bromochloromethane	7.825	128	28175	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	195820	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.872	117	198688	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	82752	32.113	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.033%
60) 4-Bromofluorobenzene	12.854	95	91576	26.058	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.867%
63) Toluene-d8	10.572	98	210009	30.176	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.600%
Target Compounds						
					Qvalue	
5) Bromomethane	2.960	94	784	0.291	ug/l	92
6) Chloroethane	2.990	64	1530	0.604	ug/l	92
13) Acrolein	4.190	56	234	0.346	ug/l #	15
15) Acetone	4.443	58	280	0.494	ug/l #	43
18) Methylene Chloride	5.284	84	1386	0.395	ug/l #	45
23) tert-Butyl Alcohol	5.549	59	133	0.263	ug/l #	100
25) Chloroform	7.972	83	51830	8.586	ug/l	96
41) Bromodichloromethane	9.884	83	4254	0.897	ug/l #	90
72) 1,2,3-Trichloropropane	12.848	75	51172	12.235	ug/l	1

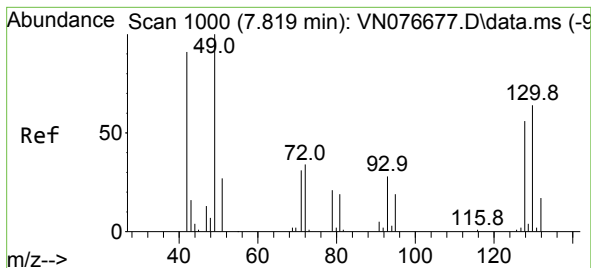
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

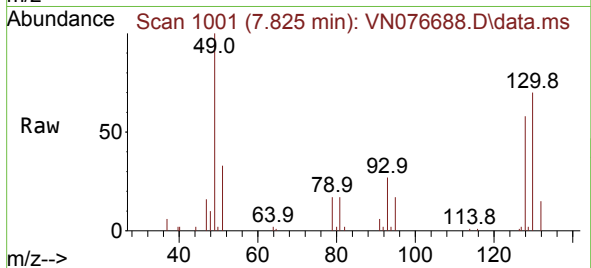
Lab File: VN076688.D

Acq: 15 Feb 2023 16:28

Instrument :

MSVOA_N

ClientSampleId :



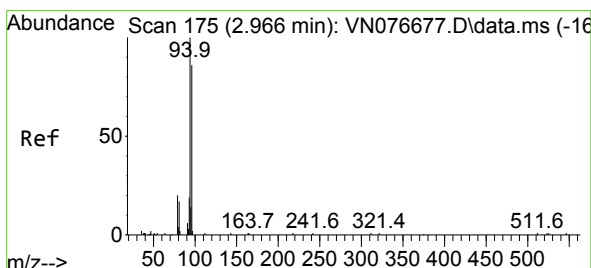
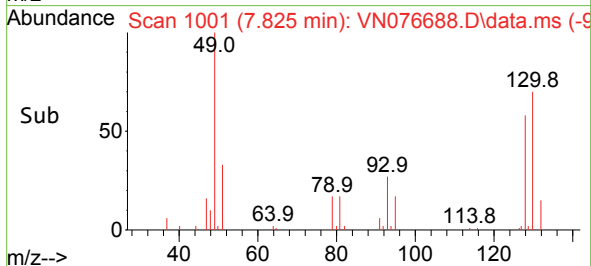
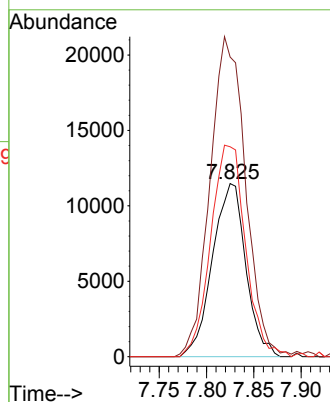
Tgt Ion:128 Resp: 28175

Ion Ratio Lower Upper

128 100

49 196.0 0.0 461.8

130 127.3 0.0 295.3



#5

Bromomethane

Concen: 0.291 ug/l

RT: 2.960 min Scan# 174

Delta R.T. -0.006 min

Lab File: VN076688.D

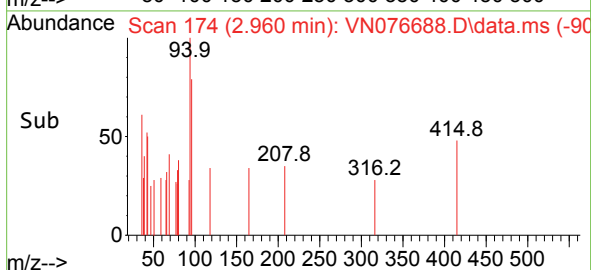
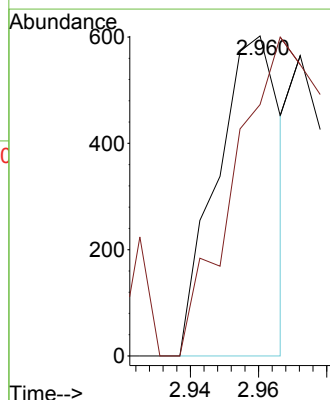
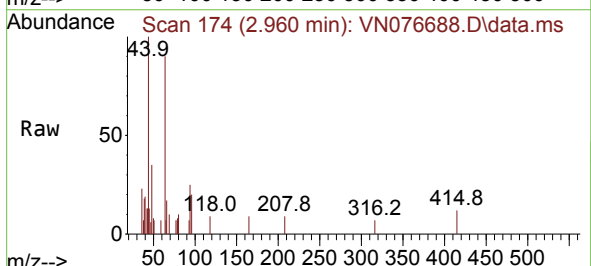
Acq: 15 Feb 2023 16:28

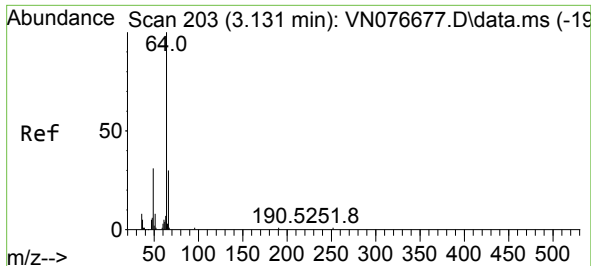
Tgt Ion: 94 Resp: 784

Ion Ratio Lower Upper

94 100

96 78.6 68.6 103.0

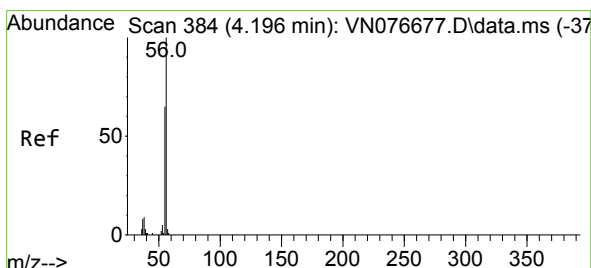
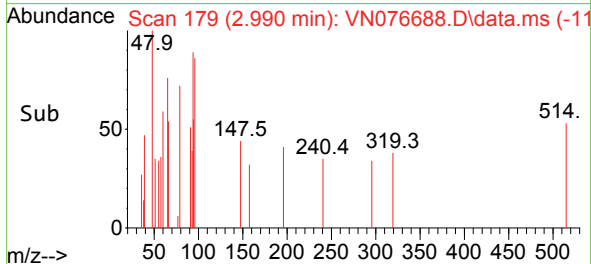
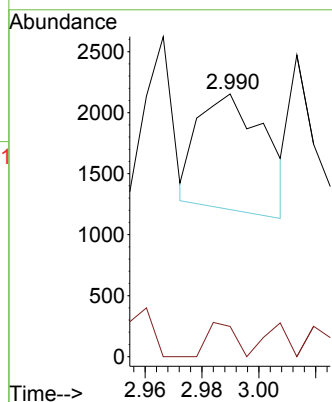
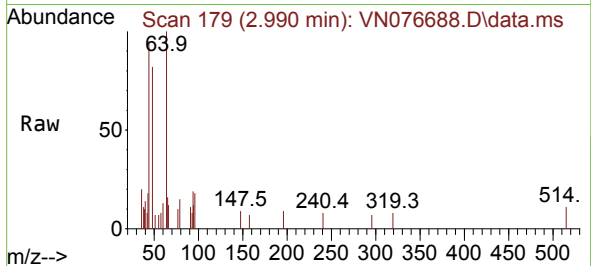




#6
Chloroethane
Concen: 0.604 ug/l
RT: 2.990 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN076688.D
Acq: 15 Feb 2023 16:28

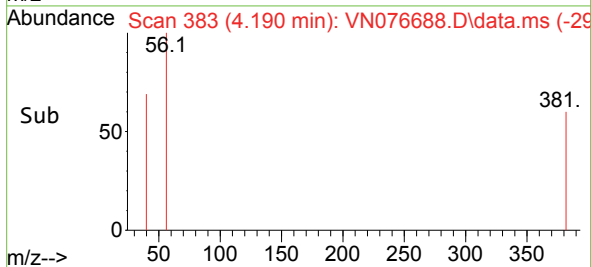
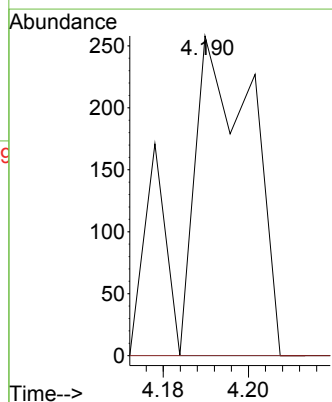
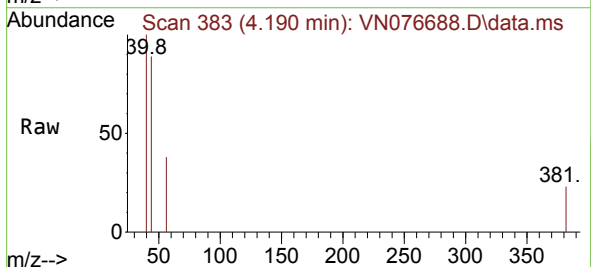
Instrument :
MSVOA_N
ClientSampleId :

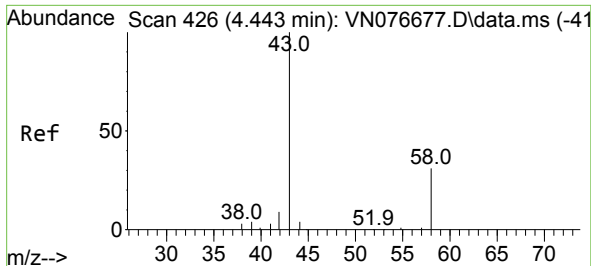
Tgt Ion: 64 Resp: 1530
Ion Ratio Lower Upper
64 100
66 33.8 23.8 35.6



#13
Acrolein
Concen: 0.346 ug/l
RT: 4.190 min Scan# 383
Delta R.T. -0.006 min
Lab File: VN076688.D
Acq: 15 Feb 2023 16:28

Tgt Ion: 56 Resp: 234
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#





#15

Acetone

Concen: 0.494 ug/l

RT: 4.443 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN076688.D

Acq: 15 Feb 2023 16:28

Instrument :

MSVOA_N

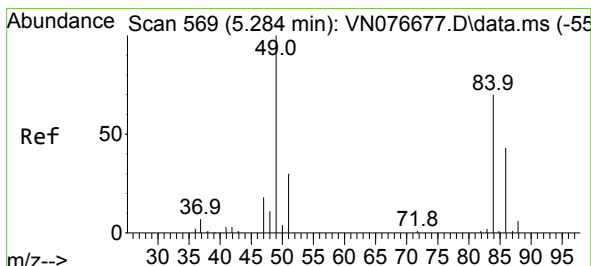
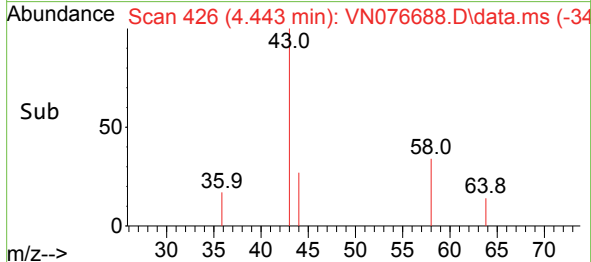
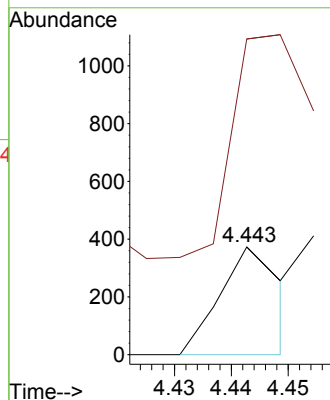
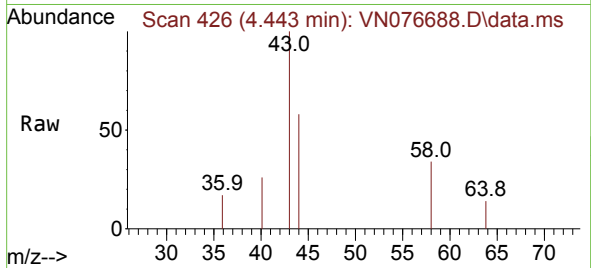
ClientSampleId :

Tgt Ion: 58 Resp: 280

Ion Ratio Lower Upper

58 100

43 202.7 255.4 383.0#



#18

Methylene Chloride

Concen: 0.395 ug/l

RT: 5.284 min Scan# 569

Delta R.T. 0.000 min

Lab File: VN076688.D

Acq: 15 Feb 2023 16:28

Tgt Ion: 84 Resp: 1386

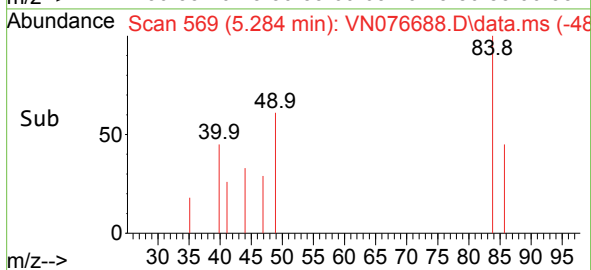
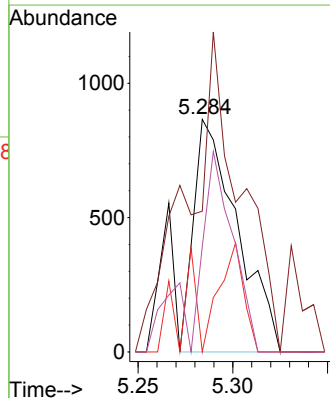
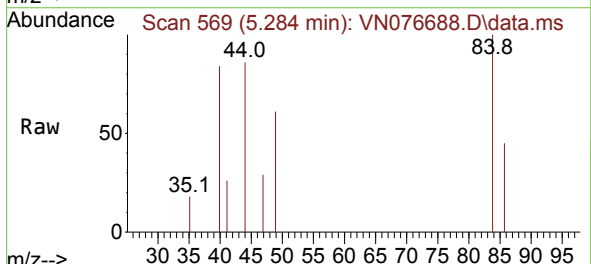
Ion Ratio Lower Upper

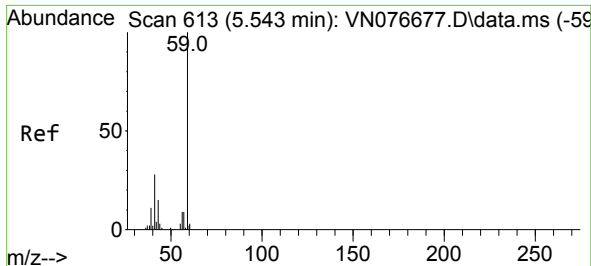
84 100

49 60.5 113.8 170.6#

51 0.0 34.2 51.4#

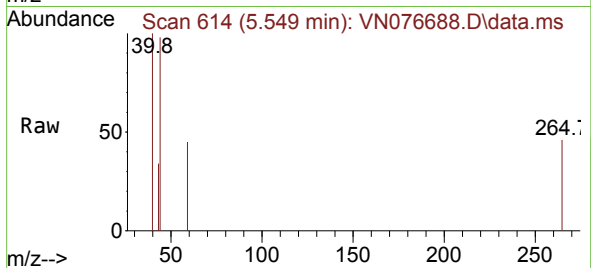
86 45.3 48.9 73.3#



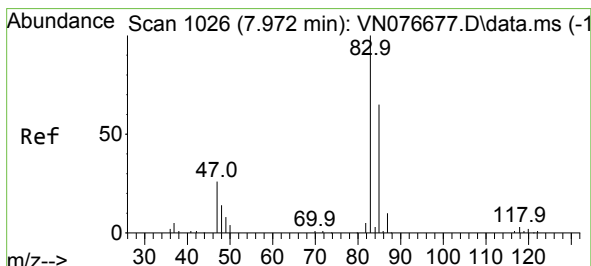
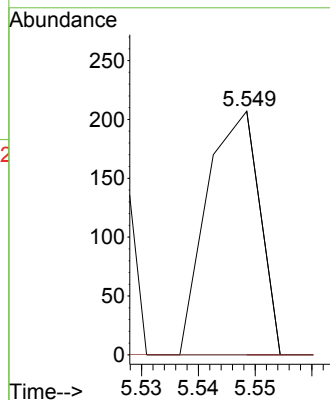
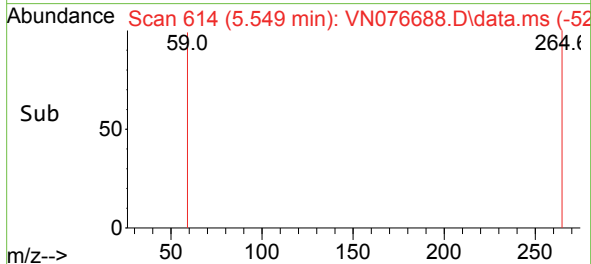


#23
tert-Butyl Alcohol
Concen: 0.263 ug/l
RT: 5.549 min Scan# 613
Delta R.T. 0.006 min
Lab File: VN076688.D
Acq: 15 Feb 2023 16:28

Instrument :
MSVOA_N
ClientSampleId :

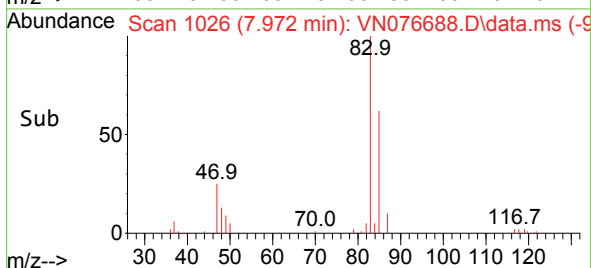
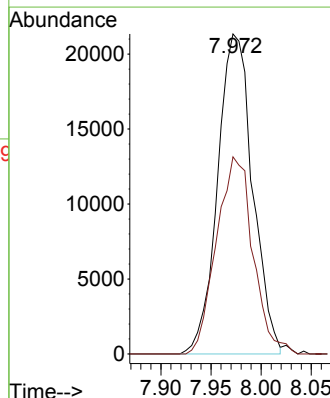
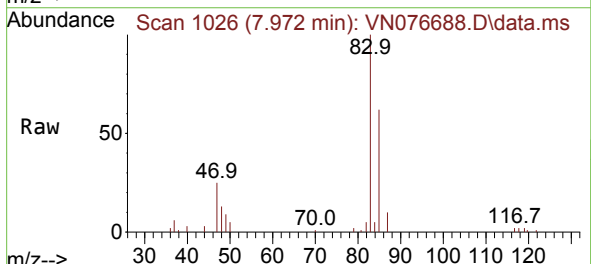


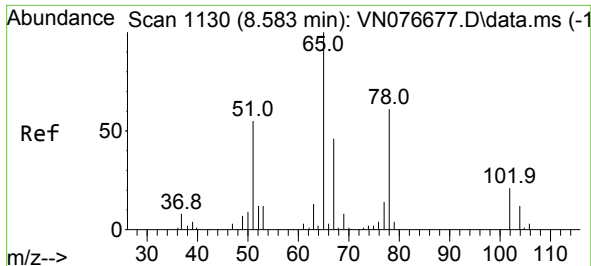
Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2#



#25
Chloroform
Concen: 8.586 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VN076688.D
Acq: 15 Feb 2023 16:28

Tgt Ion: 83 Resp: 51830
Ion Ratio Lower Upper
83 100
85 61.6 51.8 77.6





#27

1,2-Dichloroethane-d4

Concen: 32.113 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN076688.D

Acq: 15 Feb 2023 16:28

Instrument :

MSVOA_N

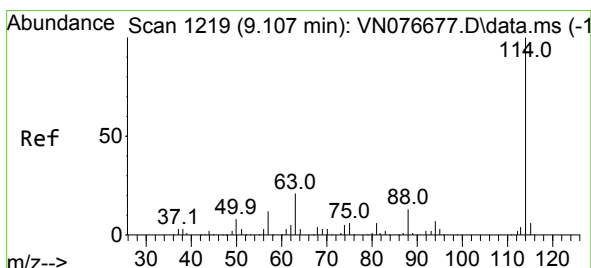
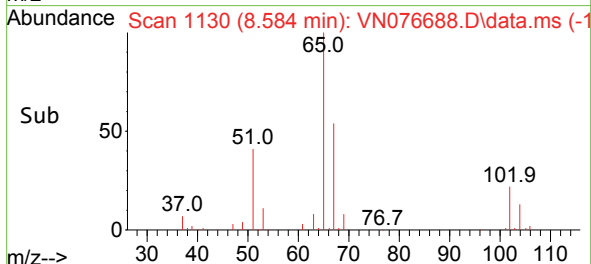
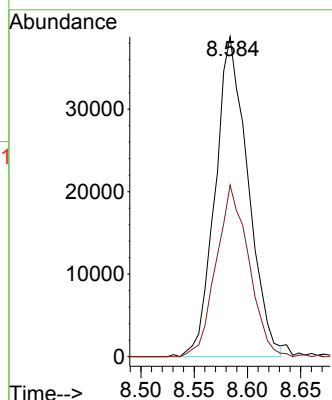
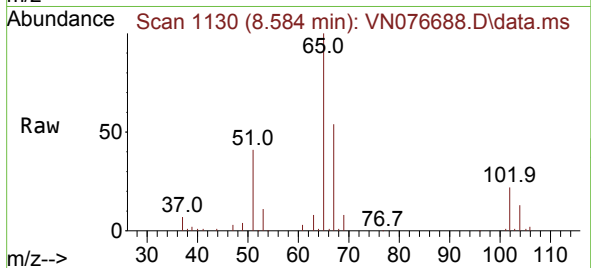
ClientSampleId :

Tgt Ion: 65 Resp: 82752

Ion Ratio Lower Upper

65 100

67 53.4 40.9 61.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN076688.D

Acq: 15 Feb 2023 16:28

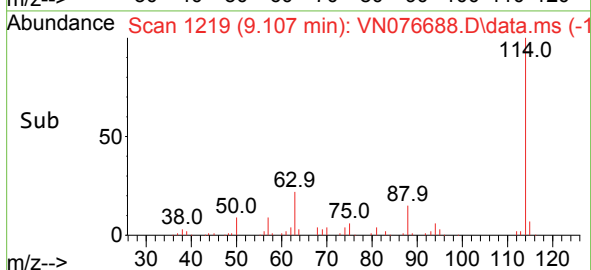
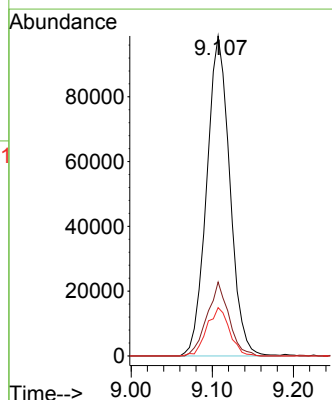
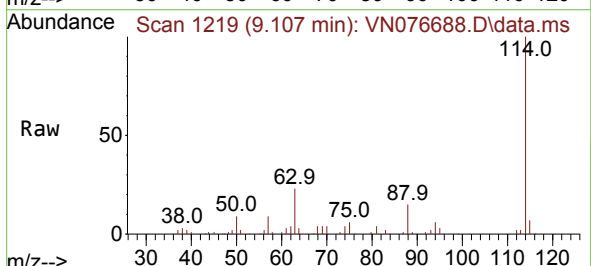
Tgt Ion: 114 Resp: 195820

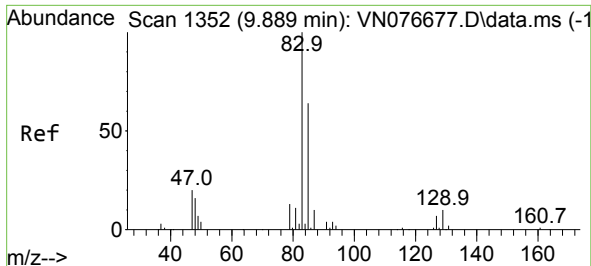
Ion Ratio Lower Upper

114 100

63 21.8 17.0 25.4

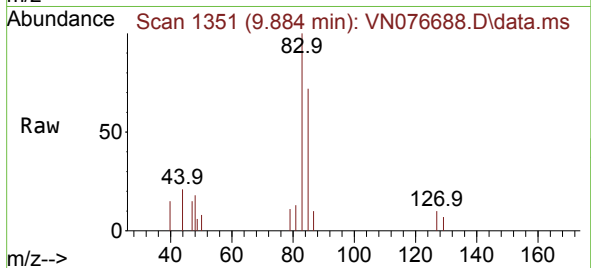
88 14.8 11.6 17.4



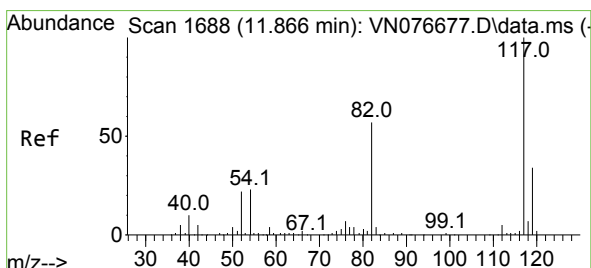
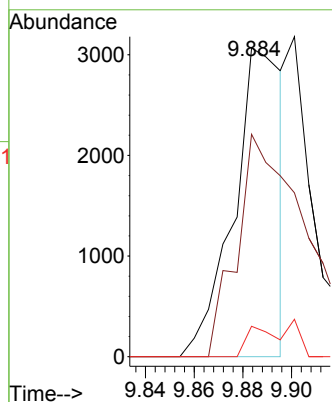
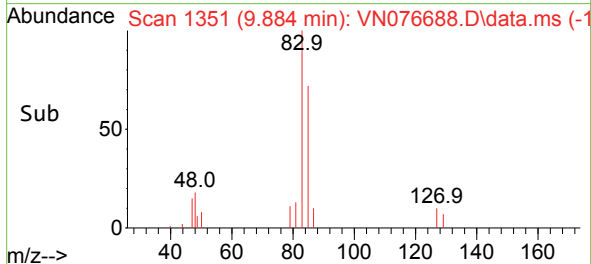


#41
Bromodichloromethane
Concen: 0.897 ug/l
RT: 9.884 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076688.D
Acq: 15 Feb 2023 16:28

Instrument :
MSVOA_N
ClientSampleId :

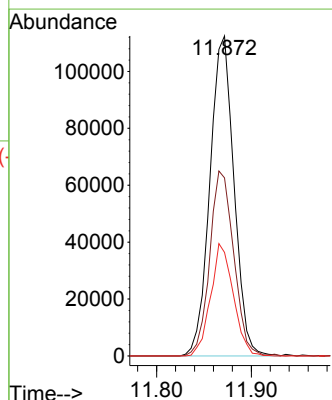
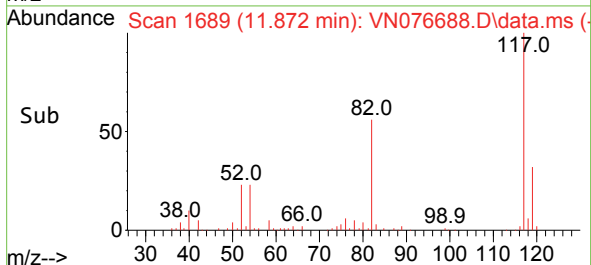
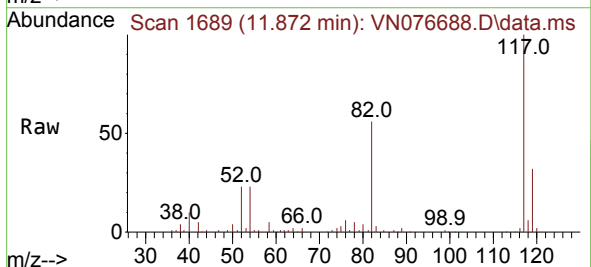


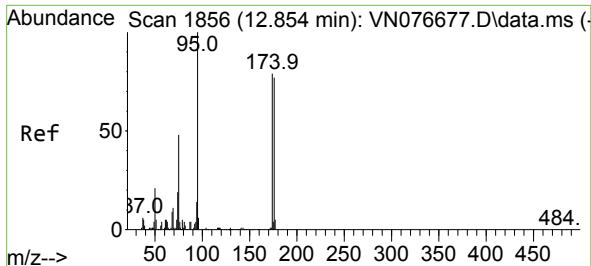
Tgt Ion: 83 Resp: 4254
Ion Ratio Lower Upper
83 100
85 72.1 51.0 76.4
127 9.8 6.2 9.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076688.D
Acq: 15 Feb 2023 16:28

Tgt Ion: 117 Resp: 198688
Ion Ratio Lower Upper
117 100
82 57.7 45.4 68.0
119 33.1 26.8 40.2

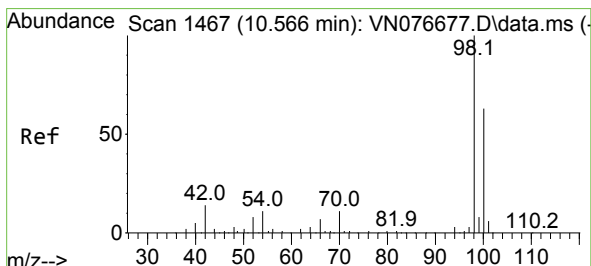
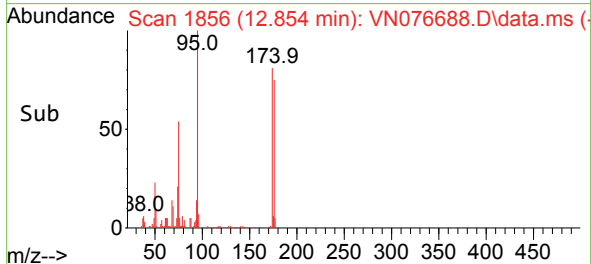
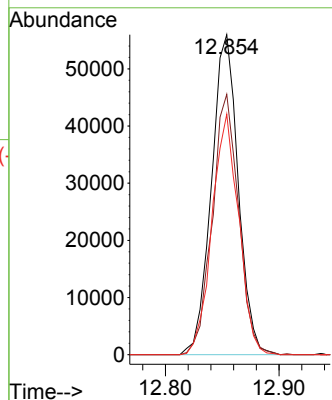
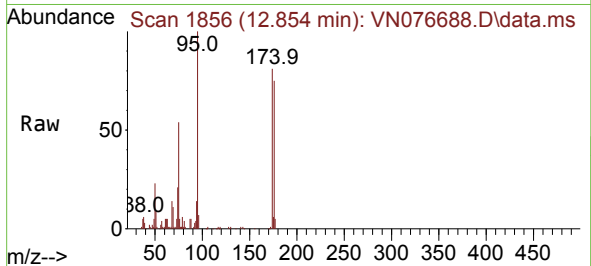




#60
4-Bromofluorobenzene
Concen: 26.058 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076688.D
Acq: 15 Feb 2023 16:28

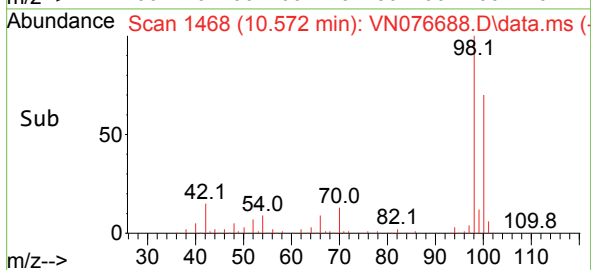
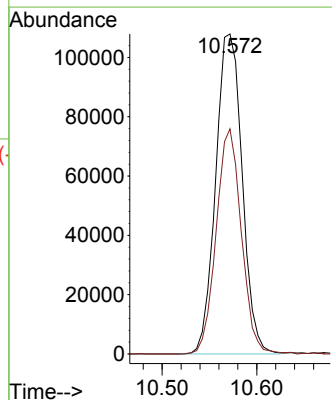
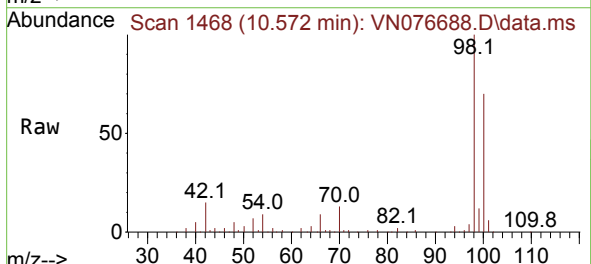
Instrument :
MSVOA_N
ClientSampleId :

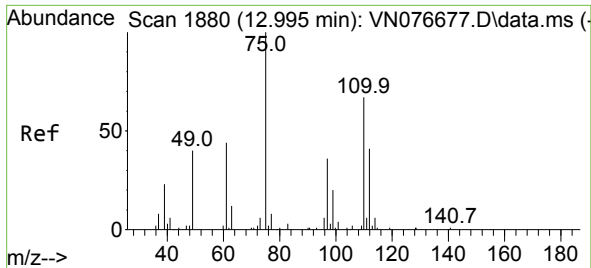
Tgt Ion: 95 Resp: 91576
Ion Ratio Lower Upper
95 100
174 80.3 64.2 96.4
176 74.9 61.4 92.0



#63
Toluene-d8
Concen: 30.176 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076688.D
Acq: 15 Feb 2023 16:28

Tgt Ion: 98 Resp: 210009
Ion Ratio Lower Upper
98 100
100 66.7 53.8 80.6





#72

1,2,3-Trichloropropane

Concen: 12.235 ug/l

RT: 12.848 min Scan# 11

Delta R.T. -0.147 min

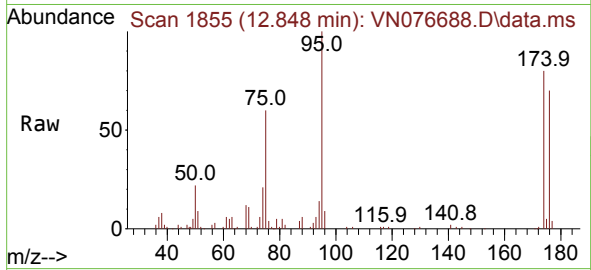
Lab File: VN076688.D

Acq: 15 Feb 2023 16:28

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 51172

Ion Ratio Lower Upper

75 100

77 1.5 0.0 332.6

