

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021523\
 Data File : VN076693.D
 Acq On : 15 Feb 2023 18:28
 Operator : JC\MD
 Sample : 01547-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 16 04:35:09 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)

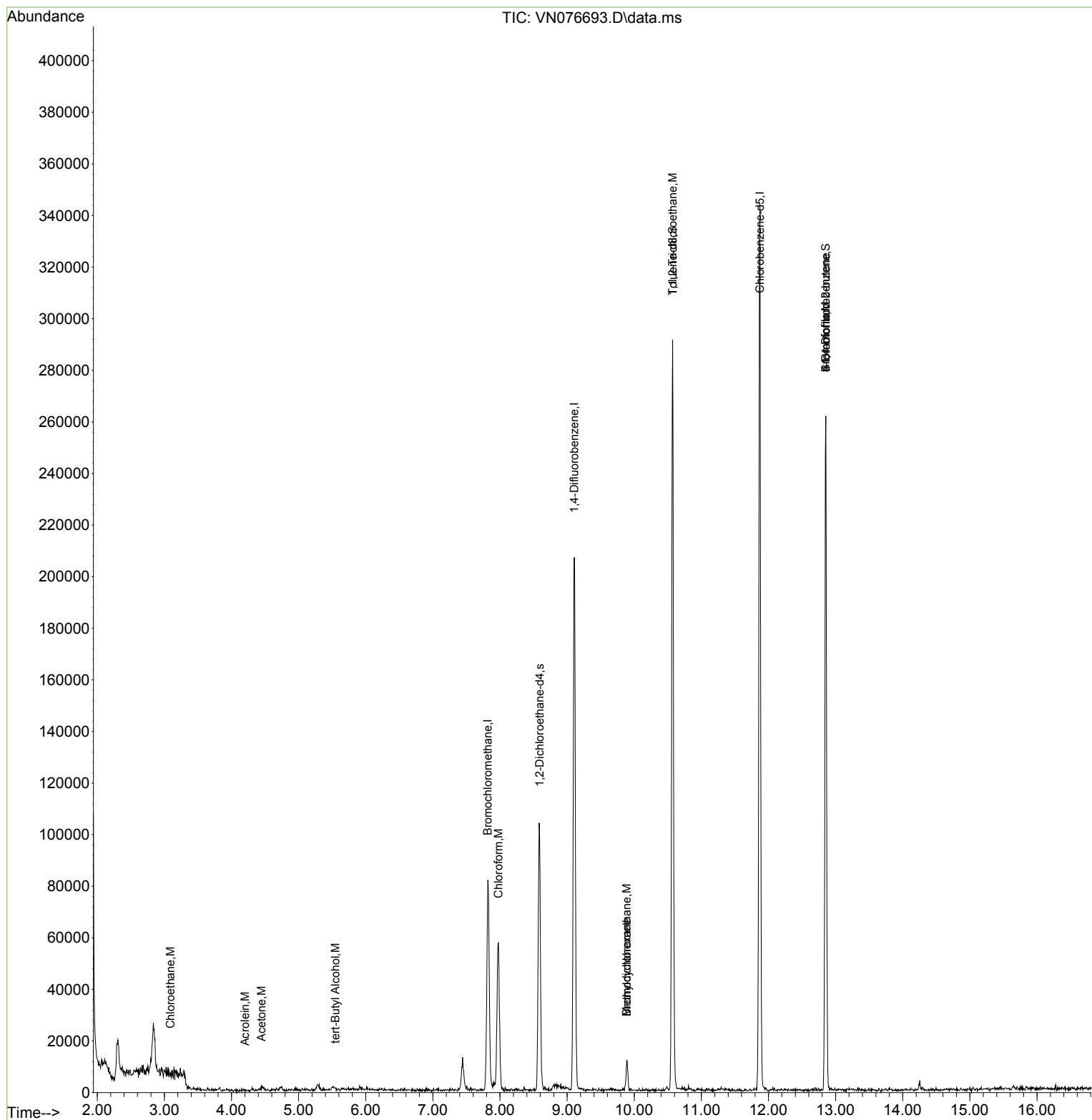
Internal Standards						
1) Bromochloromethane	7.819	128	24907	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	178330	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.872	117	185462	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	80828	35.482	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	118.267%#
60) 4-Bromofluorobenzene	12.854	95	83769	25.536	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.133%
63) Toluene-d8	10.572	98	190439	29.316	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.733%
Target Compounds						
					Qvalue	
6) Chloroethane	3.090	64	904	0.404	ug/l	94
13) Acrolein	4.201	56	154	0.257	ug/l #	15
15) Acetone	4.449	58	217	0.433	ug/l #	1
23) tert-Butyl Alcohol	5.548	59	229	0.512	ug/l #	100
25) Chloroform	7.978	83	55018	10.310	ug/l	94
38) Methylcyclohexane	9.889	83	7169	1.400	ug/l #	18
41) Bromodichloromethane	9.889	83	7169	1.660	ug/l #	93
50) 1,1,2-Trichloroethane	10.572	97	7631	2.439	ug/l #	1
56) Bromoform	12.854	173	1558	0.704	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.854	75	45147	35.993	ug/l #	9

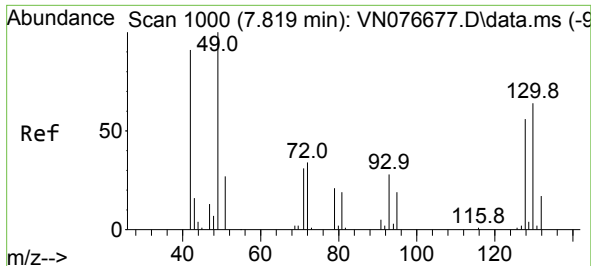
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021523\
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 16 04:35:09 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

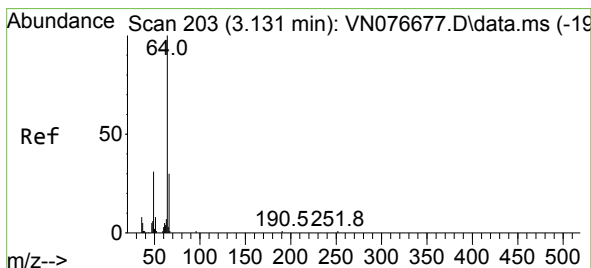
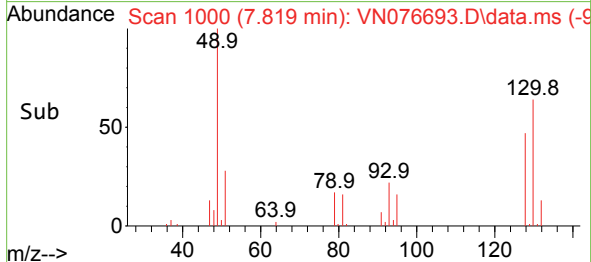
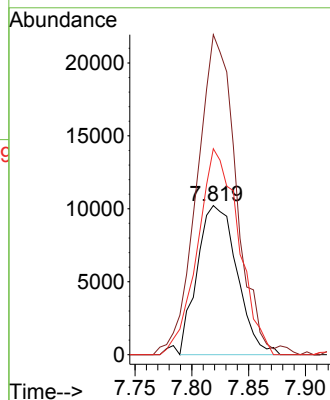
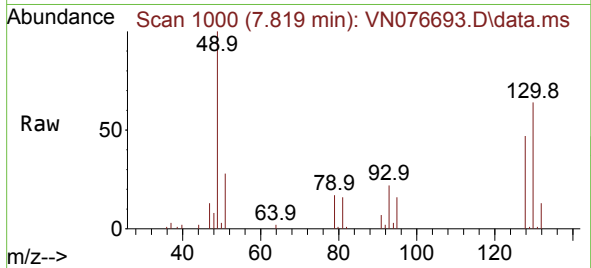




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN076693.D
Acq: 15 Feb 2023 18:28

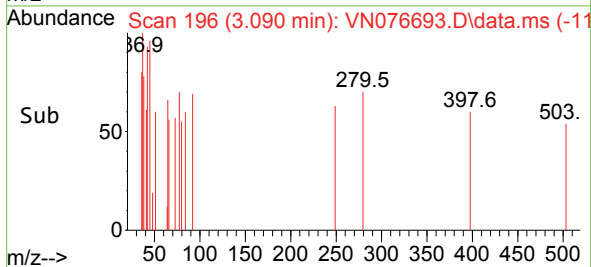
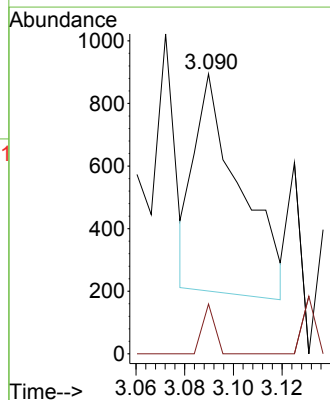
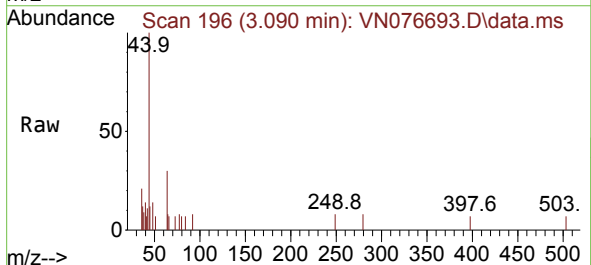
Instrument :
MSVOA_N
ClientSampleId :

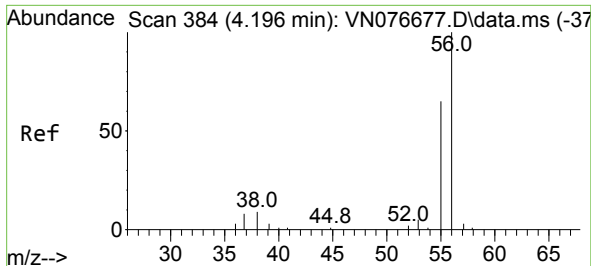
Tgt Ion:128 Resp: 24907
Ion Ratio Lower Upper
128 100
49 210.6 0.0 461.8
130 142.4 0.0 295.3



#6
Chloroethane
Concen: 0.404 ug/l
RT: 3.090 min Scan# 196
Delta R.T. -0.041 min
Lab File: VN076693.D
Acq: 15 Feb 2023 18:28

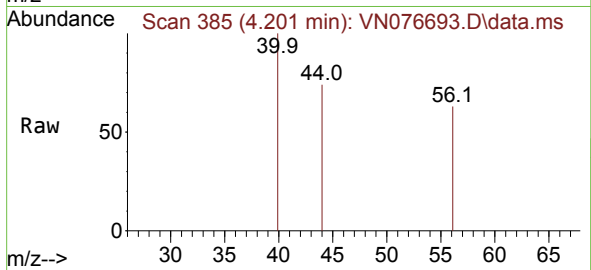
Tgt Ion: 64 Resp: 904
Ion Ratio Lower Upper
64 100
66 26.3 23.8 35.6



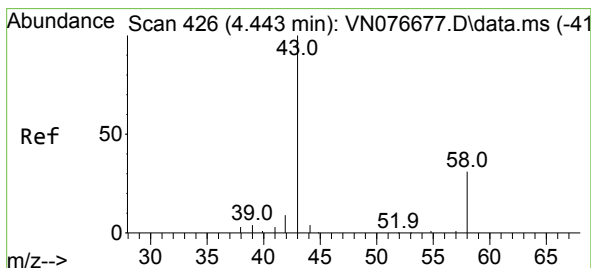
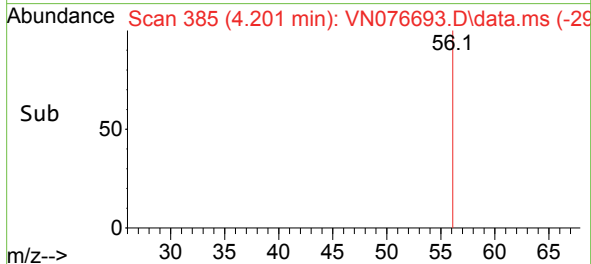
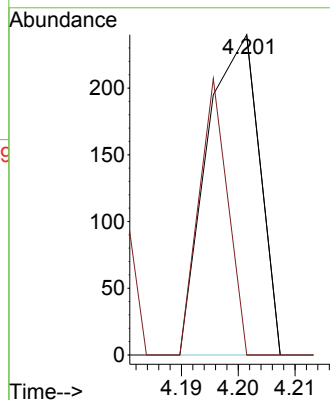


#13
Acrolein
Concen: 0.257 ug/l
RT: 4.201 min Scan# 385
Delta R.T. 0.006 min
Lab File: VN076693.D
Acq: 15 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :

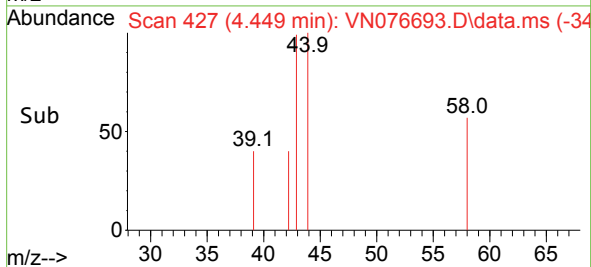
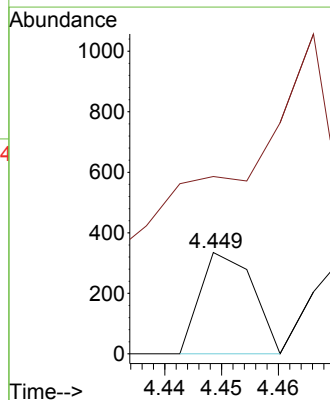
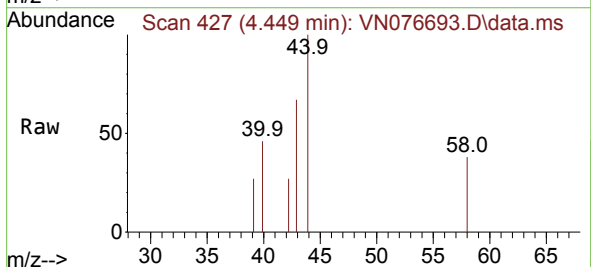


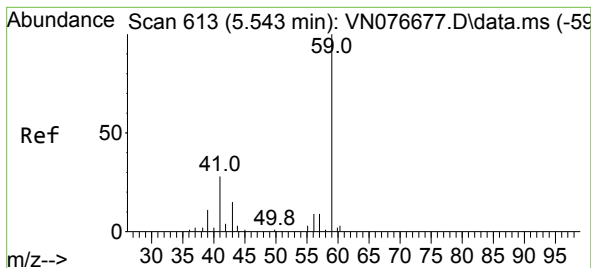
Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#



#15
Acetone
Concen: 0.433 ug/l
RT: 4.449 min Scan# 427
Delta R.T. 0.006 min
Lab File: VN076693.D
Acq: 15 Feb 2023 18:28

Tgt Ion: 58 Resp: 217
Ion Ratio Lower Upper
58 100
43 0.0 255.4 383.0#





#23

tert-Butyl Alcohol

Concen: 0.512 ug/l

RT: 5.548 min Scan# 613

Delta R.T. 0.006 min

Lab File: VN076693.D

Acq: 15 Feb 2023 18:28

Instrument :

MSVOA_N

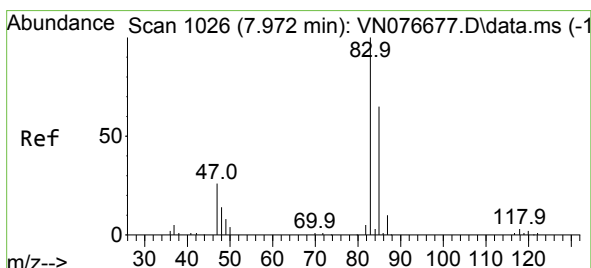
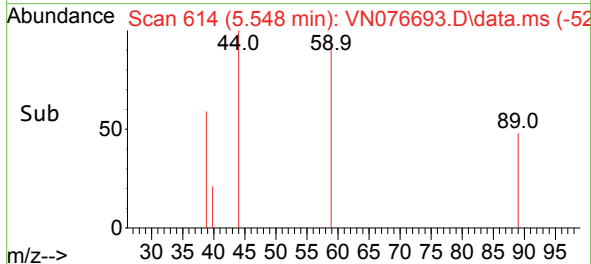
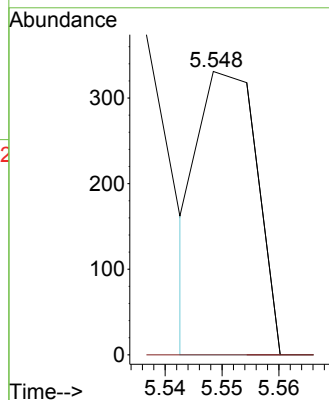
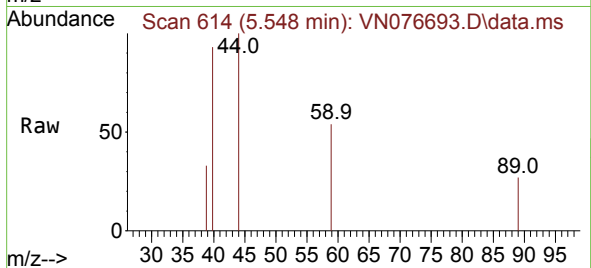
ClientSampleId :

Tgt Ion: 59 Resp: 229

Ion Ratio Lower Upper

59 100

52 0.0 0.2 0.2#



#25

Chloroform

Concen: 10.310 ug/l

RT: 7.978 min Scan# 1027

Delta R.T. 0.006 min

Lab File: VN076693.D

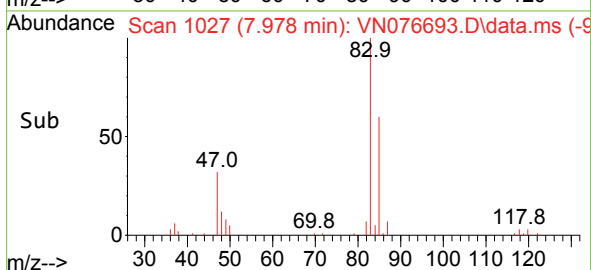
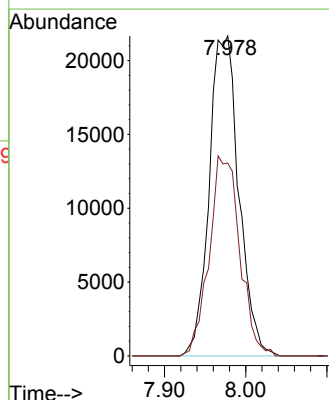
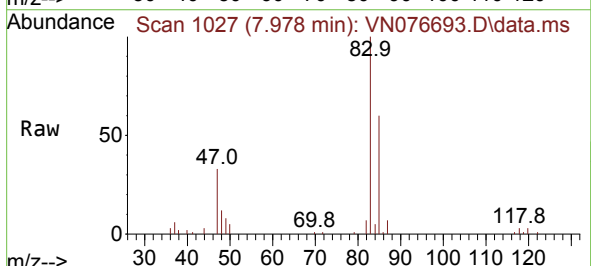
Acq: 15 Feb 2023 18:28

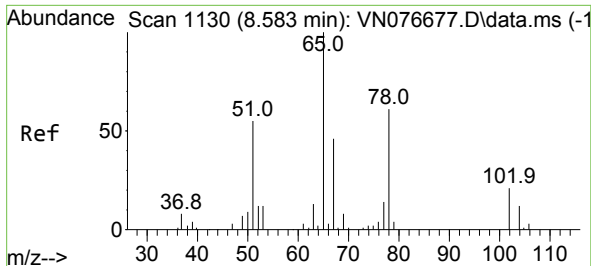
Tgt Ion: 83 Resp: 55018

Ion Ratio Lower Upper

83 100

85 60.3 51.8 77.6





#27

1,2-Dichloroethane-d4

Concen: 35.482 ug/l

RT: 8.589 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN076693.D

Acq: 15 Feb 2023 18:28

Instrument :

MSVOA_N

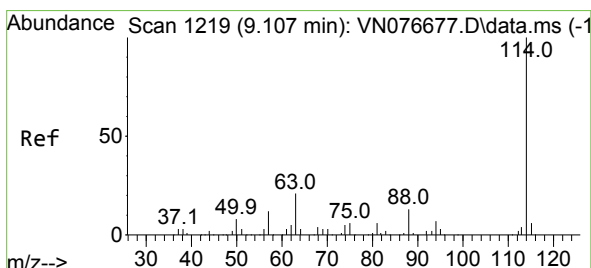
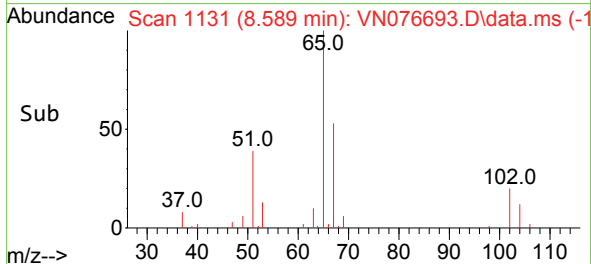
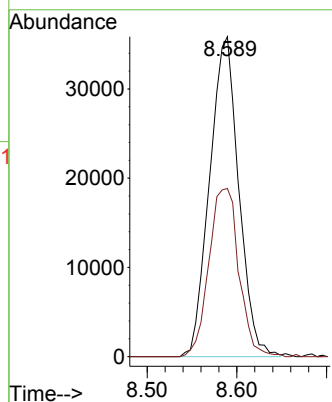
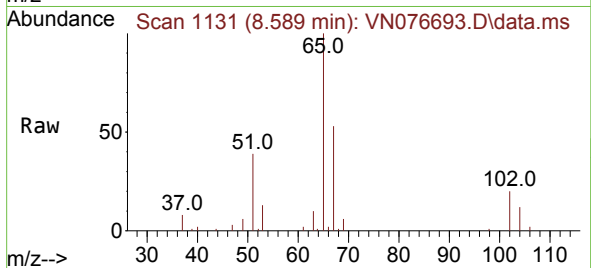
ClientSampleId :

Tgt Ion: 65 Resp: 80828

Ion Ratio Lower Upper

65 100

67 54.1 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: VN076693.D

Acq: 15 Feb 2023 18:28

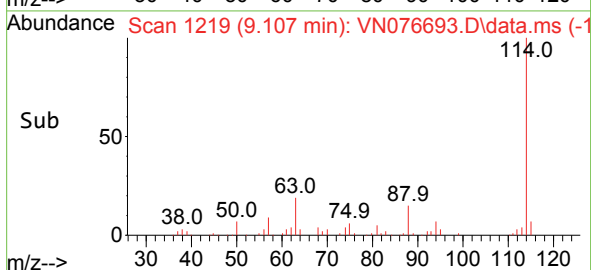
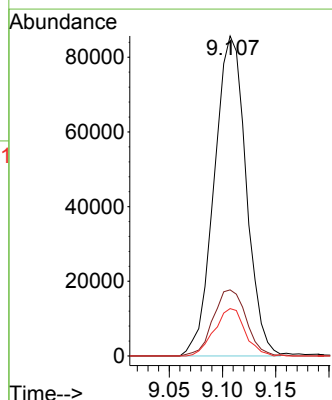
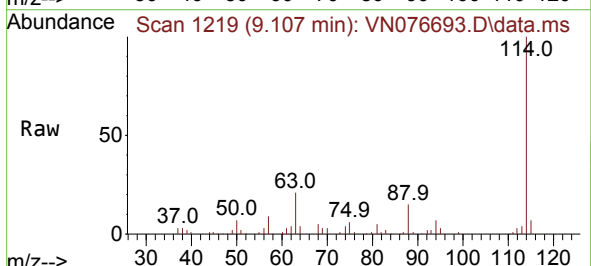
Tgt Ion: 114 Resp: 178330

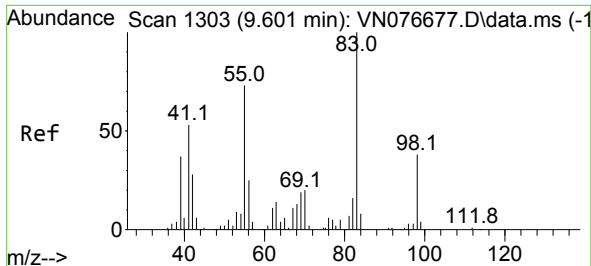
Ion Ratio Lower Upper

114 100

63 21.4 17.0 25.4

88 14.2 11.6 17.4

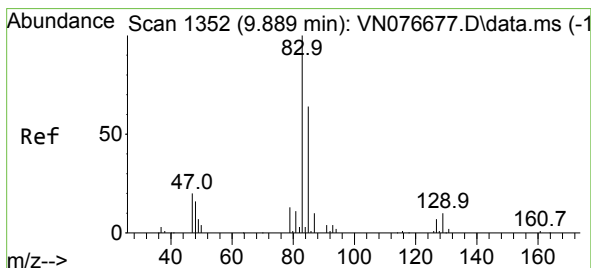
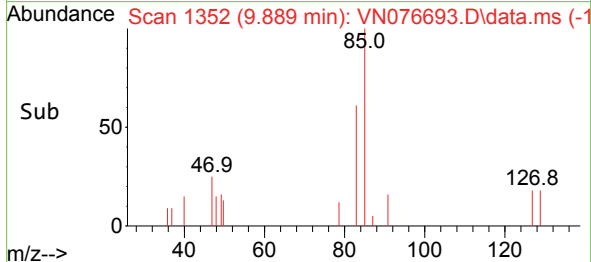
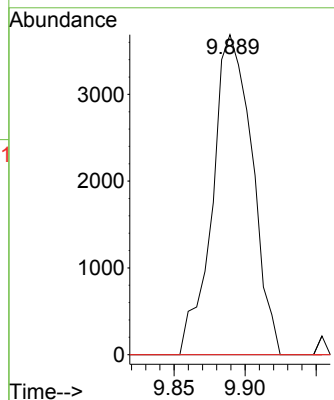
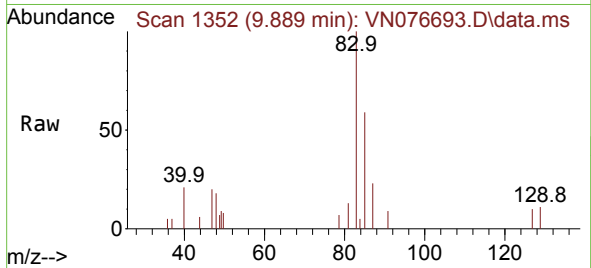




#38
Methylcyclohexane
Concen: 1.400 ug/l
RT: 9.889 min Scan# 1352
Delta R.T. 0.288 min
Lab File: VN076693.D
Acq: 15 Feb 2023 18:28

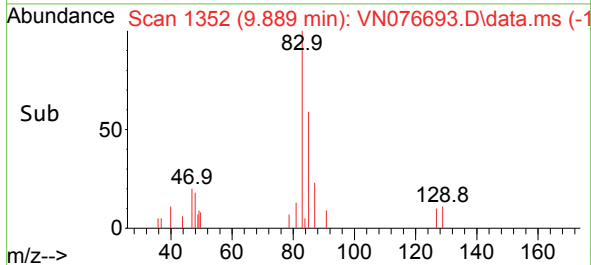
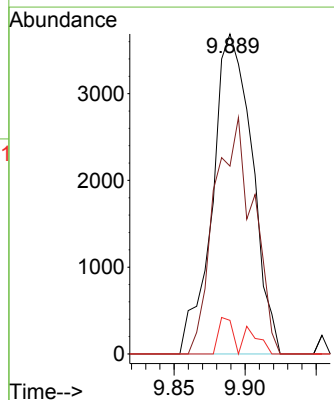
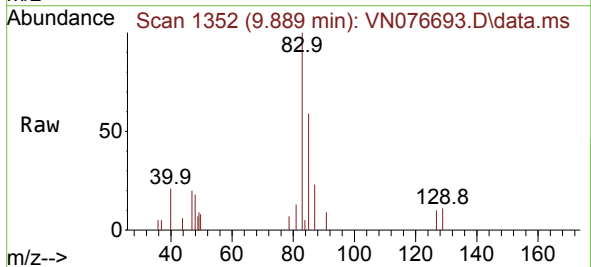
Instrument :
MSVOA_N
ClientSampleId :

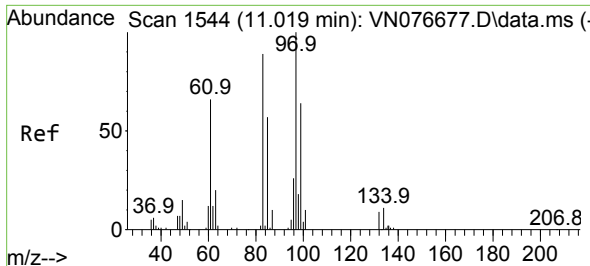
Tgt Ion: 83 Resp: 7169
Ion Ratio Lower Upper
83 100
55 0.0 37.6 112.9#
98 0.0 24.1 72.4#



#41
Bromodichloromethane
Concen: 1.660 ug/l
RT: 9.889 min Scan# 1352
Delta R.T. 0.000 min
Lab File: VN076693.D
Acq: 15 Feb 2023 18:28

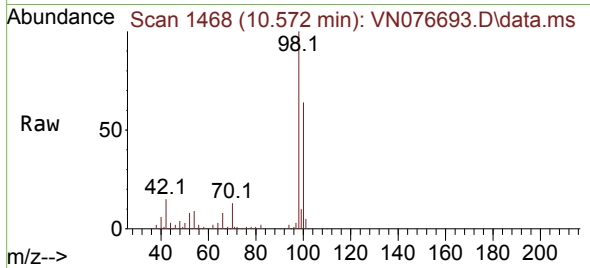
Tgt Ion: 83 Resp: 7169
Ion Ratio Lower Upper
83 100
85 58.7 51.0 76.4
127 10.5 6.2 9.2#



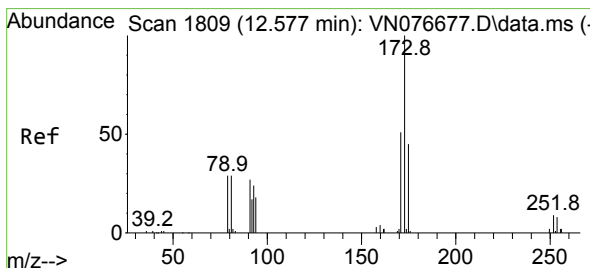
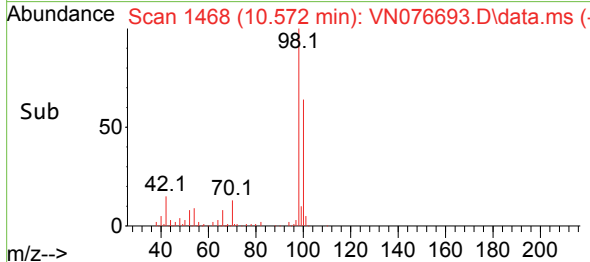
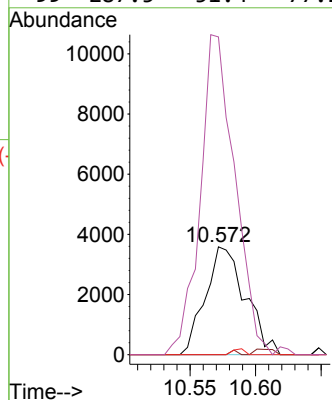


#50
1,1,2-Trichloroethane
Concen: 2.439 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.447 min
Lab File: VN076693.D
Acq: 15 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :

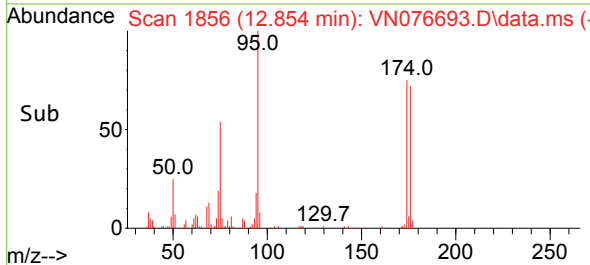
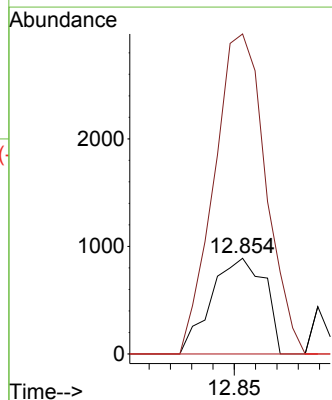
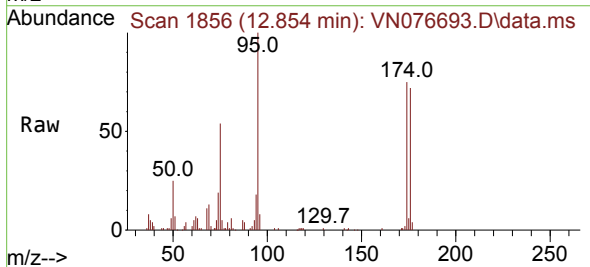


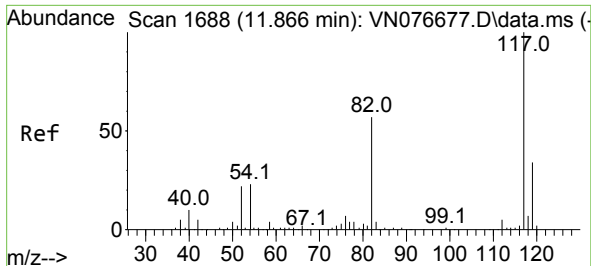
Tgt Ion: 97 Resp: 7631
Ion Ratio Lower Upper
97 100
83 0.0 71.0 106.4#
85 0.0 45.5 68.3#
99 287.5 51.4 77.2#



#56
Bromoform
Concen: 0.704 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.277 min
Lab File: VN076693.D
Acq: 15 Feb 2023 18:28

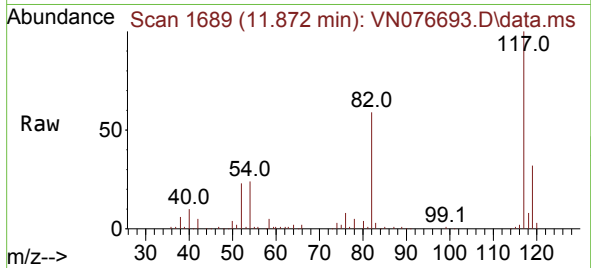
Tgt Ion: 173 Resp: 1558
Ion Ratio Lower Upper
173 100
175 323.0 37.8 56.6#
254 0.0 7.3 10.9#



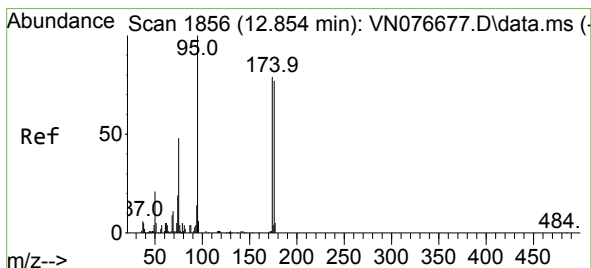
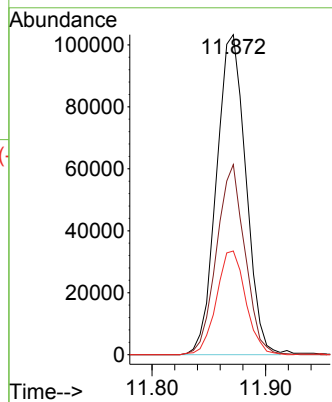
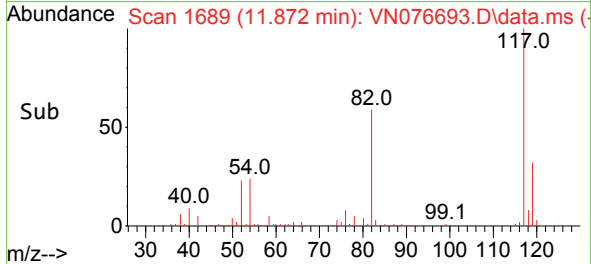


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.872 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076693.D
Acq: 15 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :

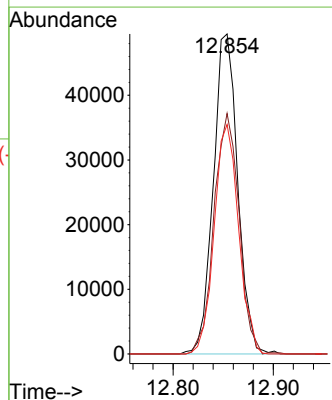
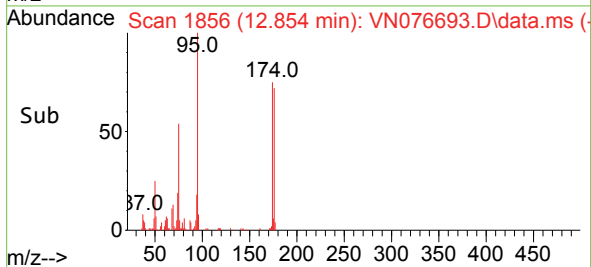
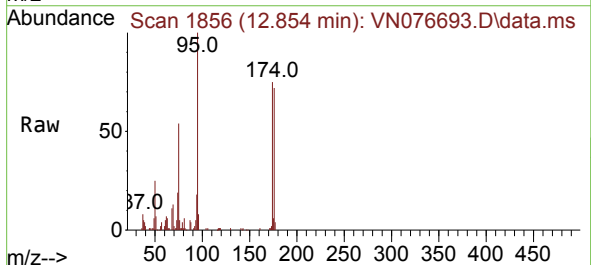


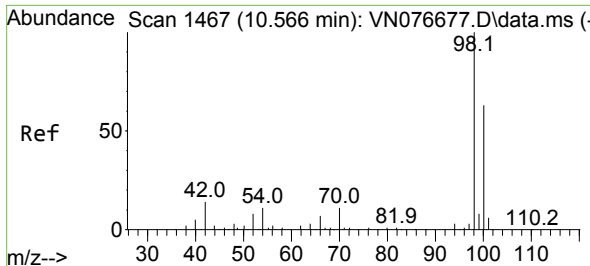
Tgt Ion:117 Resp: 185462
Ion Ratio Lower Upper
117 100
82 57.5 45.4 68.0
119 32.3 26.8 40.2



#60
4-Bromofluorobenzene
Concen: 25.536 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VN076693.D
Acq: 15 Feb 2023 18:28

Tgt Ion: 95 Resp: 83769
Ion Ratio Lower Upper
95 100
174 76.6 64.2 96.4
176 71.7 61.4 92.0

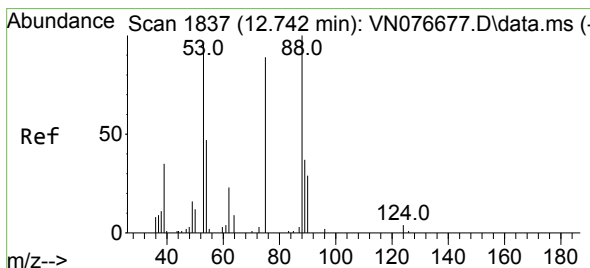
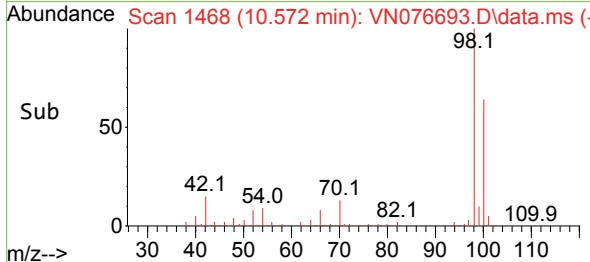
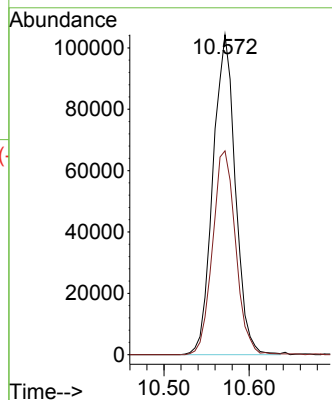
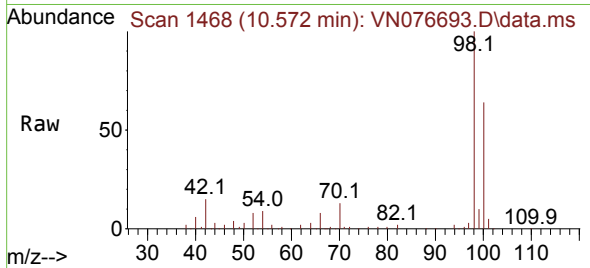




#63
Toluene-d8
Concen: 29.316 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076693.D
Acq: 15 Feb 2023 18:28

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 190439
Ion Ratio Lower Upper
98 100
100 65.3 53.8 80.6



#77
t-1,4-Dichloro-2-butene
Concen: 35.993 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN076693.D
Acq: 15 Feb 2023 18:28

Tgt Ion: 75 Resp: 45147
Ion Ratio Lower Upper
75 100
53 0.0 50.4 151.3#
89 0.0 22.1 66.5#

