

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061122\
 Data File : VN072788.D
 Acq On : 11 Jun 2022 14:29
 Operator : JC\MD
 Sample : N3322-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 13 01:19:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

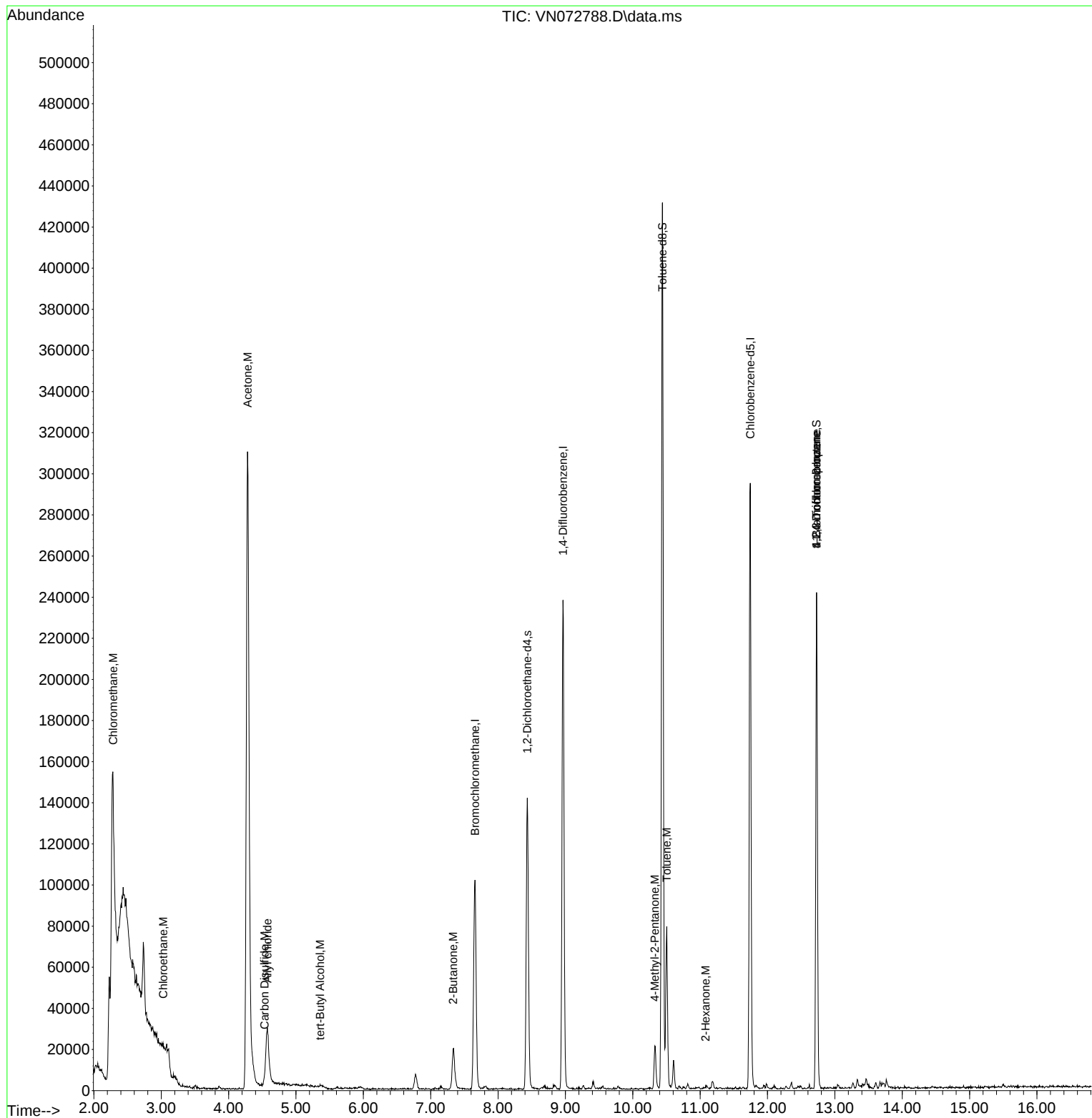
Internal Standards						
1) Bromochloromethane	7.657	128	32098	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	193431	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.745	117	156881	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	116377	31.791	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 105.967%	
60) 4-Bromofluorobenzene	12.727	95	81659	25.307	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 84.367%	
63) Toluene-d8	10.439	98	282674	32.527	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 108.433%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.287	50	3705	1.417	ug/l	# 40
6) Chloroethane	3.028	64	1222	0.777	ug/l	# 74
15) Acetone	4.281	58	164953	341.591	ug/l	85
16) Carbon Disulfide	4.534	76	7187	1.344	ug/l	# 90
17) Allyl chloride	4.575	41	3504	0.765	ug/l	96
23) tert-Butyl Alcohol	5.357	59	243	0.293	ug/l	# 100
30) 2-Butanone	7.334	43	34253	12.836	ug/l	# 89
58) 4-Methyl-2-Pentanone	10.328	43	15566	3.308	ug/l	98
59) 2-Hexanone	11.080	43	790	0.221	ug/l	# 66
62) Toluene	10.504	91	52025	4.891	ug/l	99
72) 1,2,3-Trichloropropane	12.727	75	48859	13.928	ug/l	1
77) t-1,4-Dichloro-2-butene	12.727	75	48859	33.047	ug/l	# 8

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

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Quant Time: Jun 13 01:19:47 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jun 06 14:10:15 2022
Response via : Initial Calibration

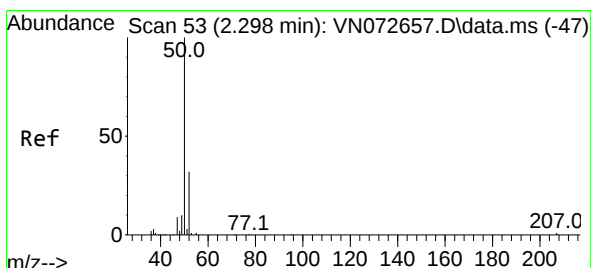
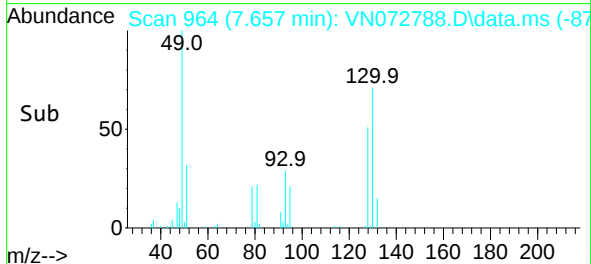
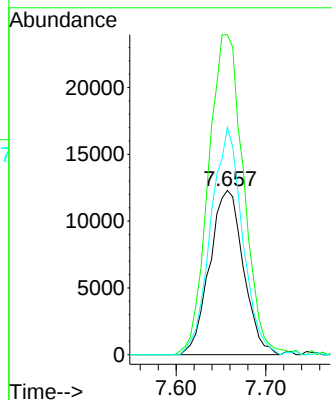
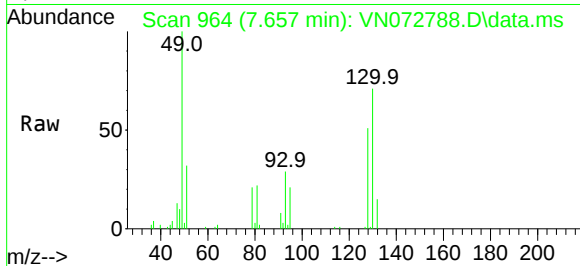




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072788.D
Acq: 11 Jun 2022 14:29

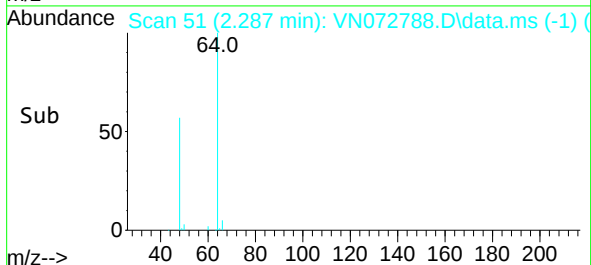
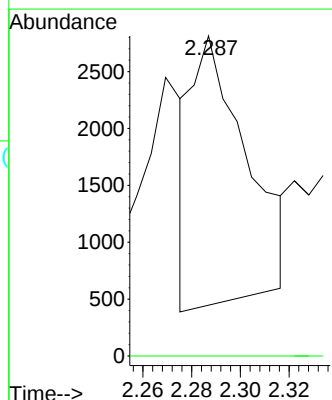
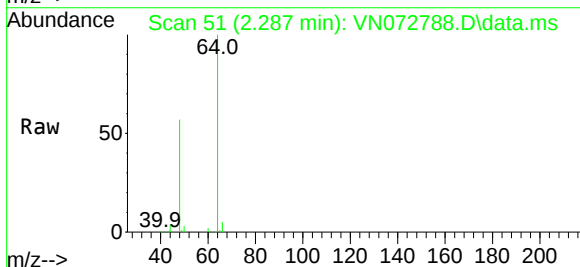
Instrument :
MSVOA_N
ClientSampleId :

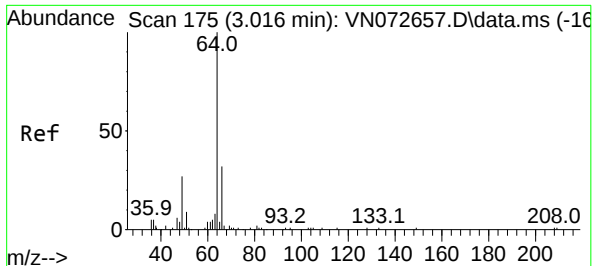
Tgt Ion	Ratio	Lower	Upper
128	100		
49	202.1	0.0	392.3
130	130.1	0.0	320.2



#3
Chloromethane
Concen: 1.417 ug/l
RT: 2.287 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN072788.D
Acq: 11 Jun 2022 14:29

Tgt Ion	Ratio	Lower	Upper
50	100		
52	0.0	27.8	41.6#

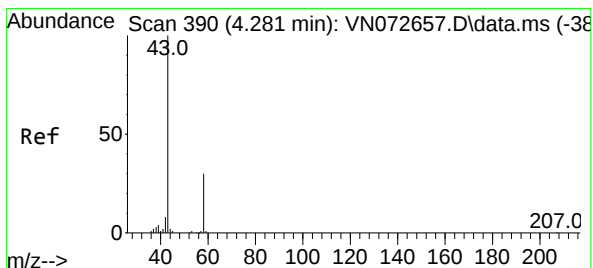
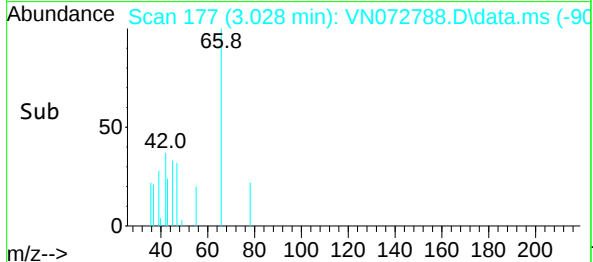
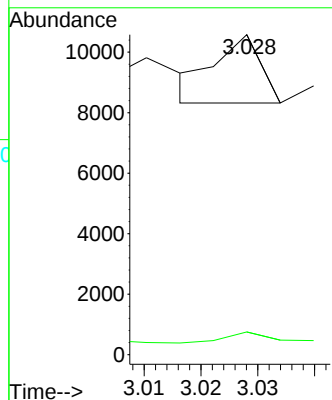
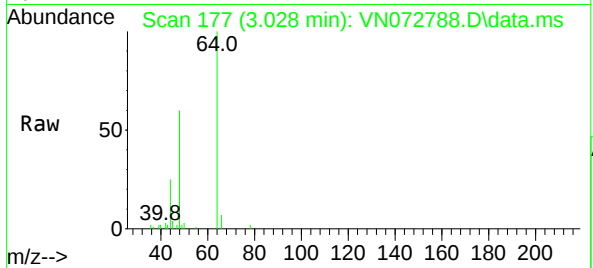




#6
Chloroethane
Concen: 0.777 ug/l
RT: 3.028 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN072788.D
Acq: 11 Jun 2022 14:29

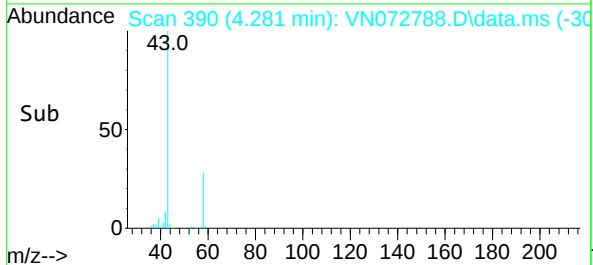
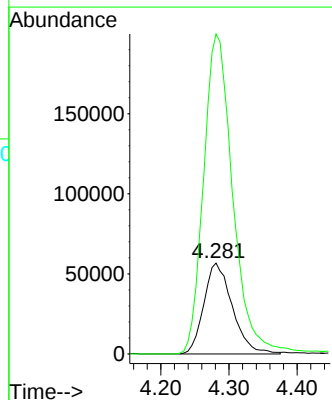
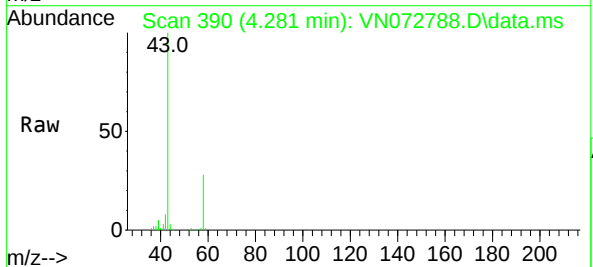
Instrument :
MSVOA_N
ClientSampleId :

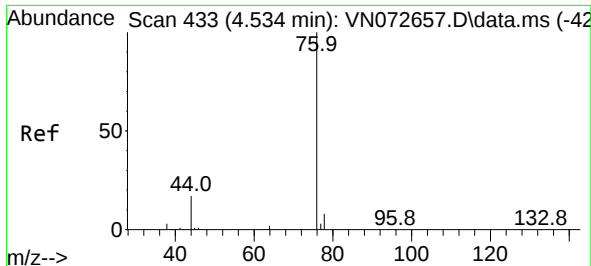
Tgt Ion: 64 Resp: 1222
Ion Ratio Lower Upper
64 100
66 16.2 24.6 36.8#



#15
Acetone
Concen: 341.591 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.000 min
Lab File: VN072788.D
Acq: 11 Jun 2022 14:29

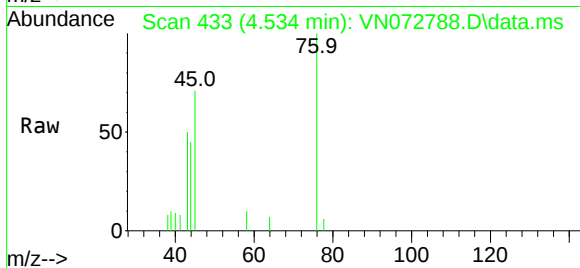
Tgt Ion: 58 Resp: 164953
Ion Ratio Lower Upper
58 100
43 351.2 256.6 384.8



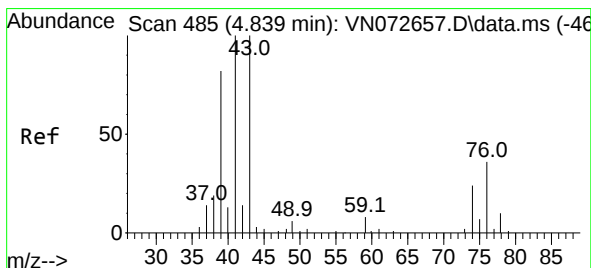
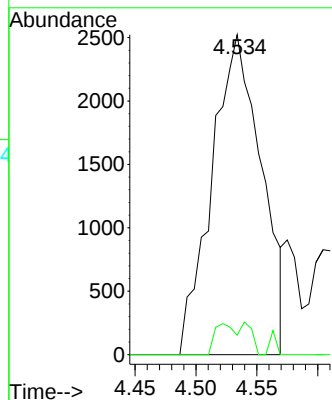
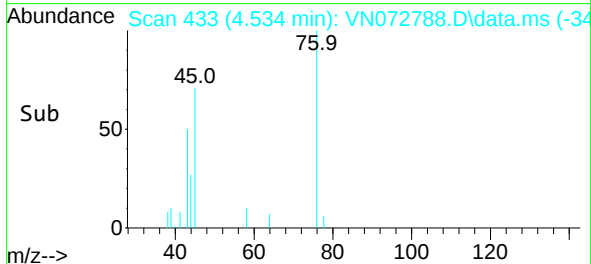


#16
Carbon Disulfide
Concen: 1.344 ug/l
RT: 4.534 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN072788.D
Acq: 11 Jun 2022 14:29

Instrument :
MSVOA_N
ClientSampleId :

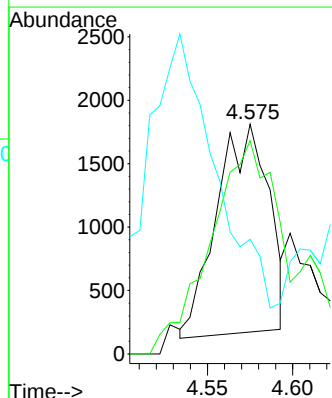
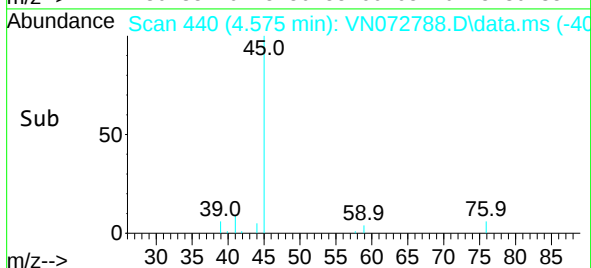
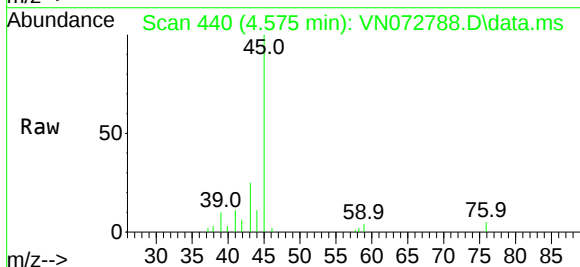


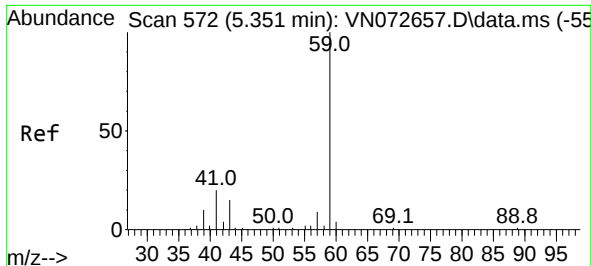
Tgt Ion: 76 Resp: 7187
Ion Ratio Lower Upper
76 100
78 6.1 7.8 11.8#



#17
Allyl chloride
Concen: 0.765 ug/l
RT: 4.575 min Scan# 440
Delta R.T. -0.264 min
Lab File: VN072788.D
Acq: 11 Jun 2022 14:29

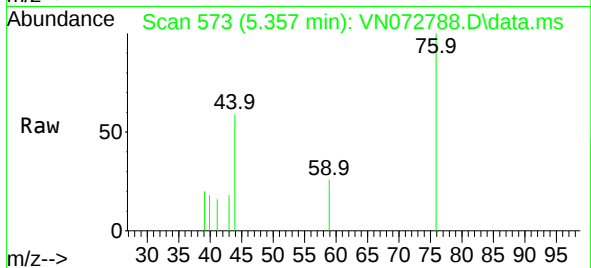
Tgt Ion: 41 Resp: 3504
Ion Ratio Lower Upper
41 100
39 88.6 44.6 134.0
76 31.1 19.6 58.7



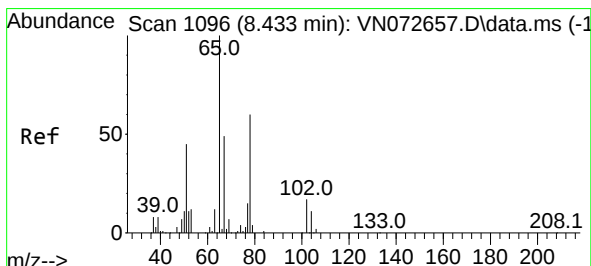
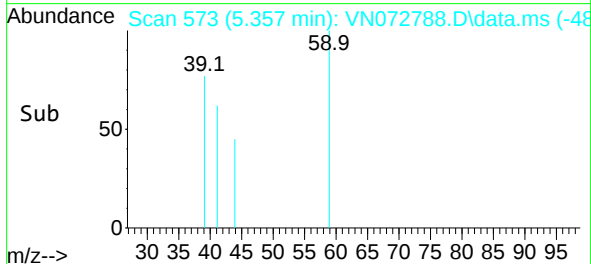
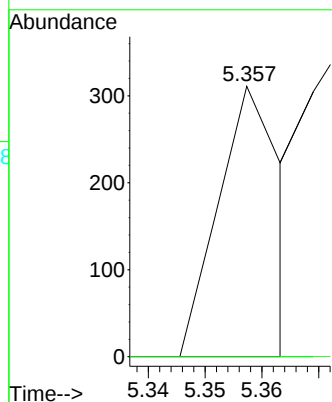


#23
 tert-Butyl Alcohol
 Concen: 0.293 ug/l
 RT: 5.357 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN072788.D
 Acq: 11 Jun 2022 14:29

Instrument :
 MSVOA_N
 ClientSampleId :

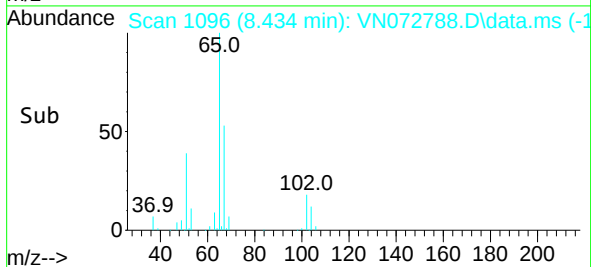
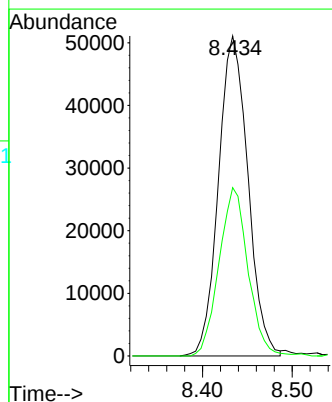
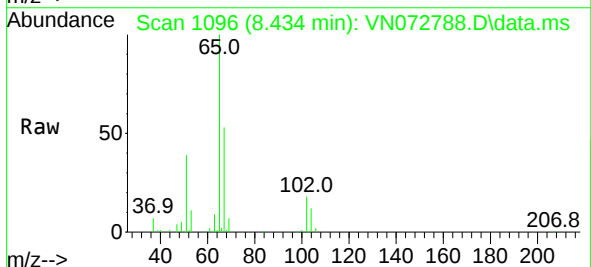


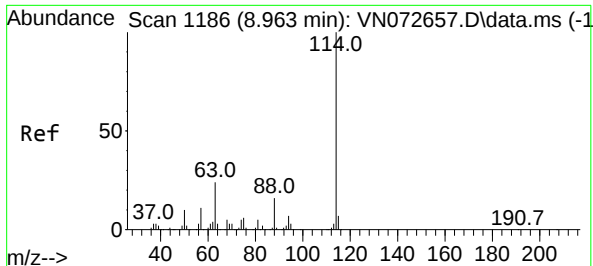
Tgt Ion: 59 Resp: 243
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#27
 1,2-Dichloroethane-d4
 Concen: 31.791 ug/l
 RT: 8.434 min Scan# 1096
 Delta R.T. 0.000 min
 Lab File: VN072788.D
 Acq: 11 Jun 2022 14:29

Tgt Ion: 65 Resp: 116377
 Ion Ratio Lower Upper
 65 100
 67 51.7 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072788.D

Acq: 11 Jun 2022 14:29

Instrument :

MSVOA_N

ClientSampleId :

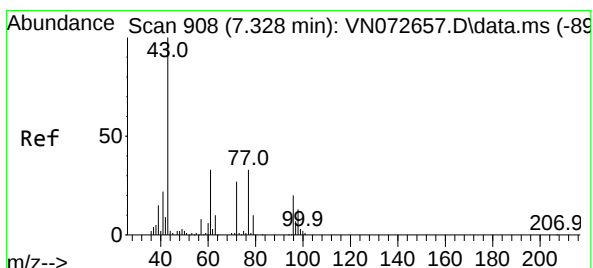
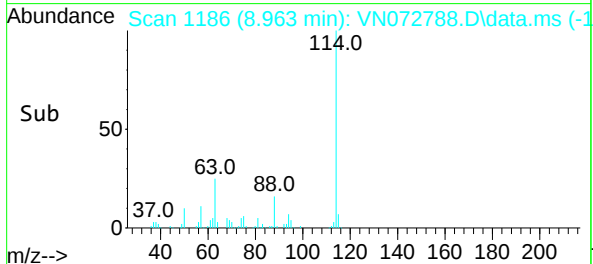
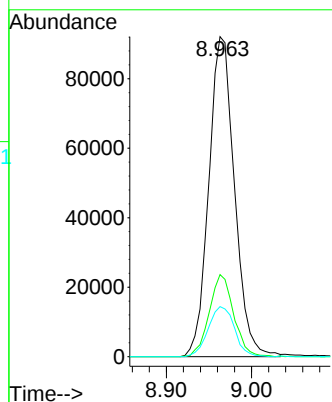
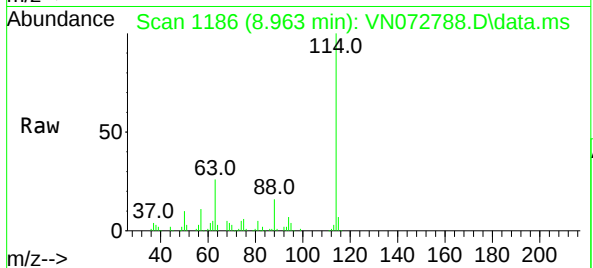
Tgt Ion:114 Resp: 193431

Ion Ratio Lower Upper

114 100

63 24.4 15.8 23.6#

88 16.0 11.6 17.4



#30

2-Butanone

Concen: 12.836 ug/l

RT: 7.334 min Scan# 909

Delta R.T. 0.006 min

Lab File: VN072788.D

Acq: 11 Jun 2022 14:29

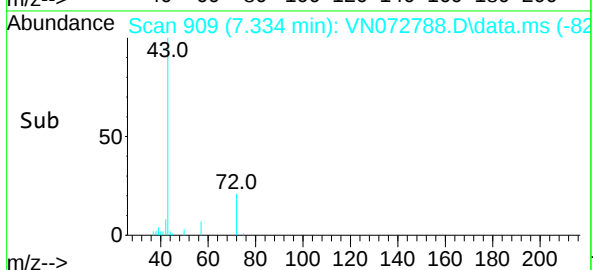
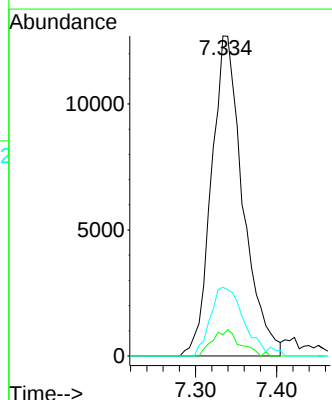
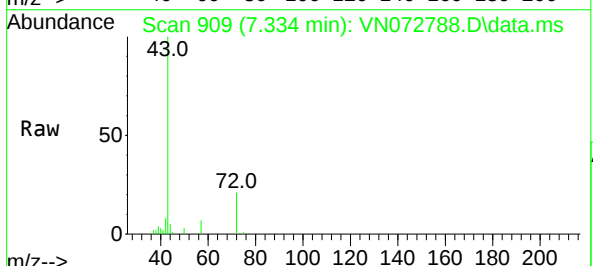
Tgt Ion: 43 Resp: 34253

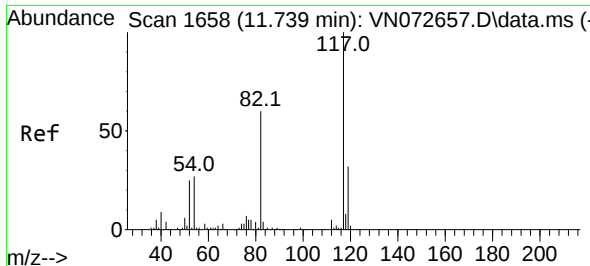
Ion Ratio Lower Upper

43 100

57 7.0 6.7 10.1

72 22.3 23.2 34.8#

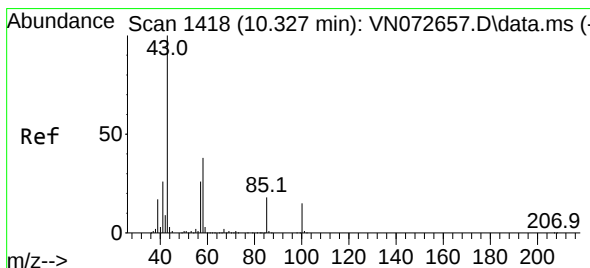
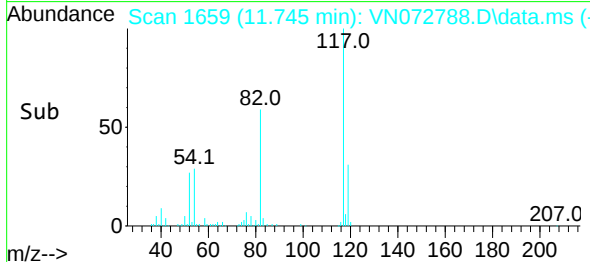
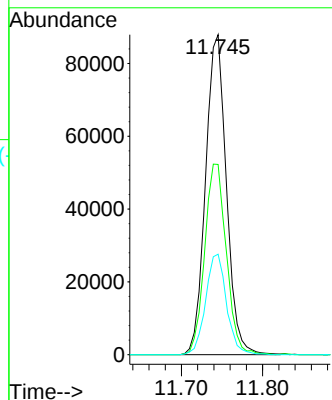
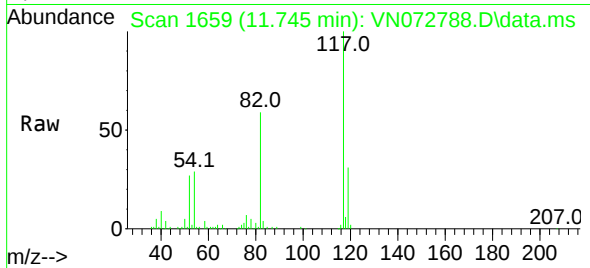




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN072788.D
Acq: 11 Jun 2022 14:29

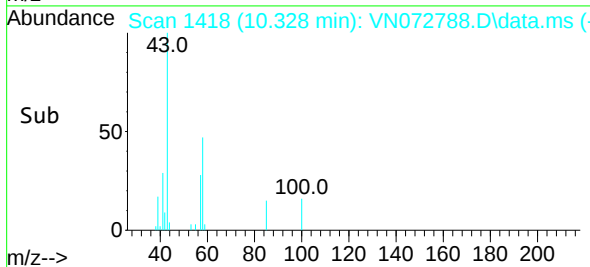
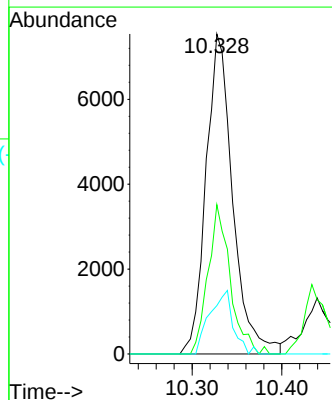
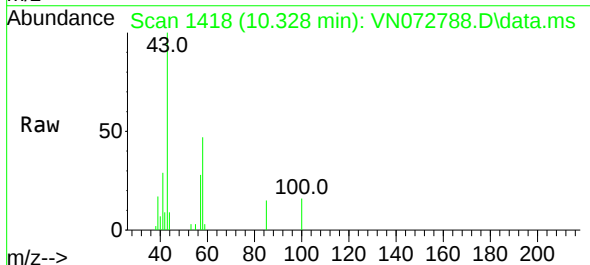
Instrument :
MSVOA_N
ClientSampleId :

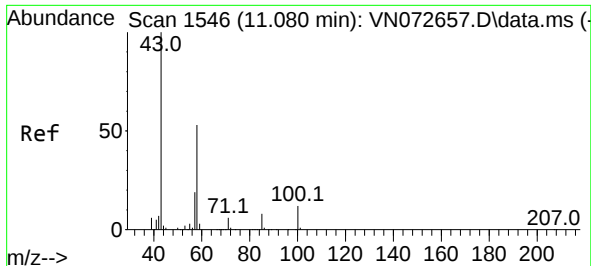
Tgt Ion:117 Resp: 156881
Ion Ratio Lower Upper
117 100
82 61.8 43.6 65.4
119 31.4 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 3.308 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN072788.D
Acq: 11 Jun 2022 14:29

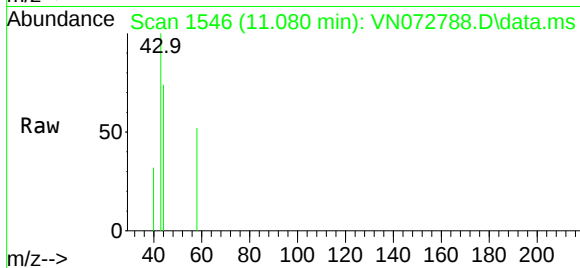
Tgt Ion: 43 Resp: 15566
Ion Ratio Lower Upper
43 100
58 38.6 30.0 45.0
85 17.2 15.0 22.6



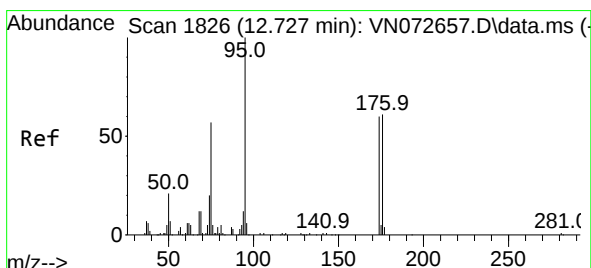
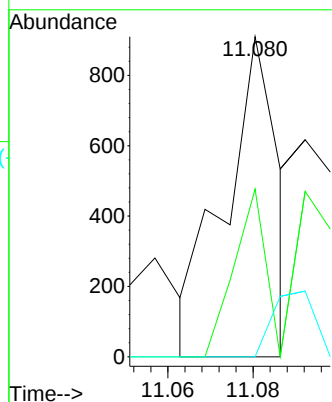
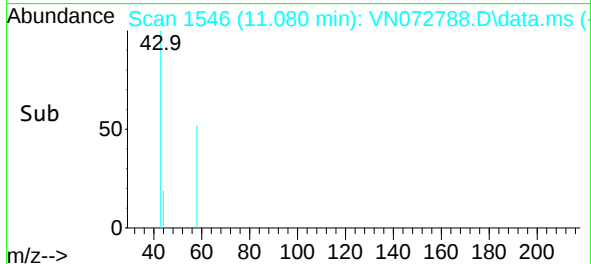


#59
2-Hexanone
Concen: 0.221 ug/l
RT: 11.080 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072788.D
Acq: 11 Jun 2022 14:29

Instrument :
MSVOA_N
ClientSampleId :

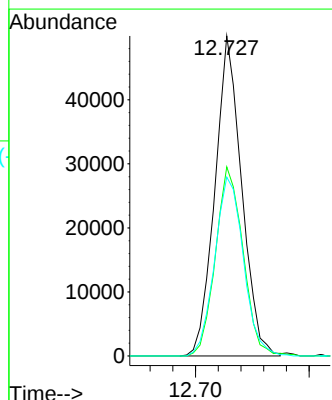
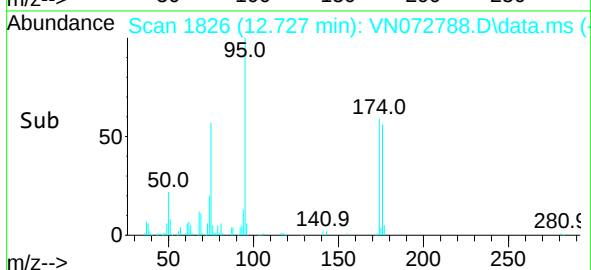
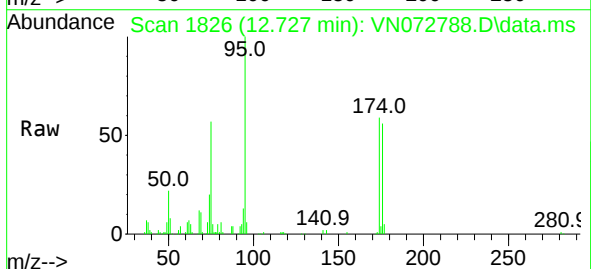


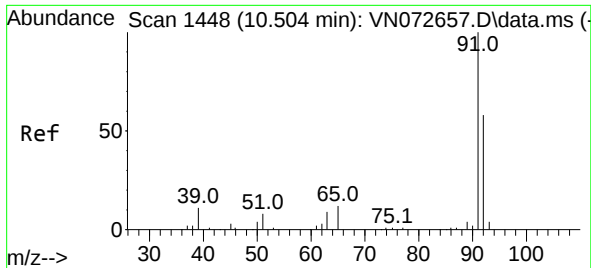
Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
58 31.0 42.2 63.2#
57 0.0 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 25.307 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072788.D
Acq: 11 Jun 2022 14:29

Tgt Ion: 95 Resp: 81659
Ion Ratio Lower Upper
95 100
174 60.4 62.9 94.3#
176 60.2 61.0 91.4#

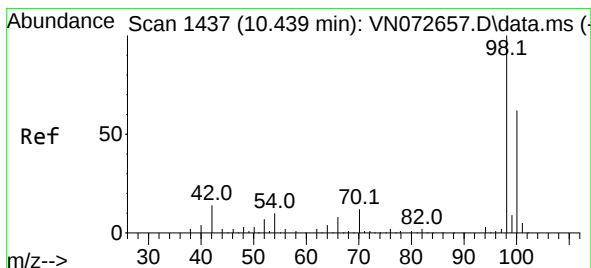
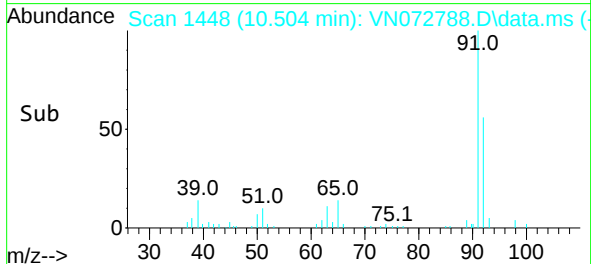
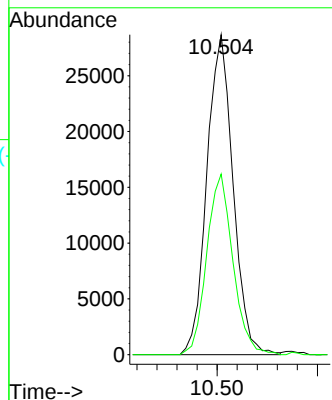
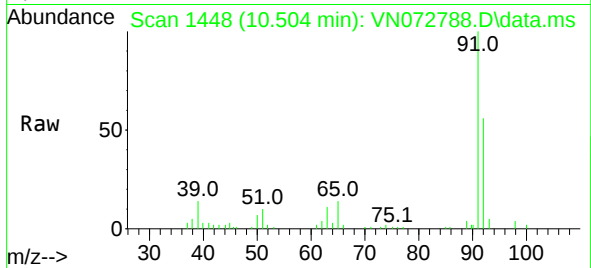




#62
Toluene
Concen: 4.891 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN072788.D
Acq: 11 Jun 2022 14:29

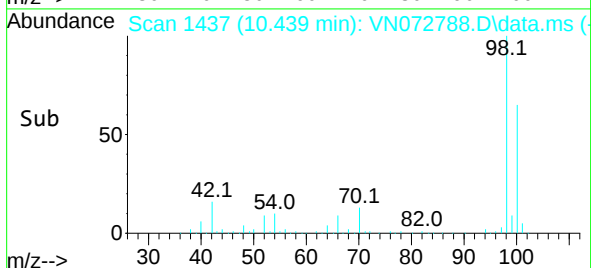
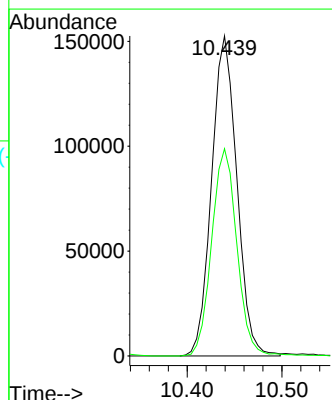
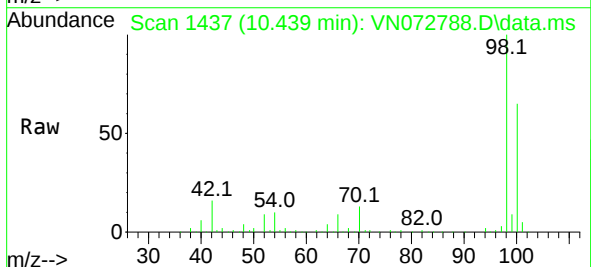
Instrument :
MSVOA_N
ClientSampleId :

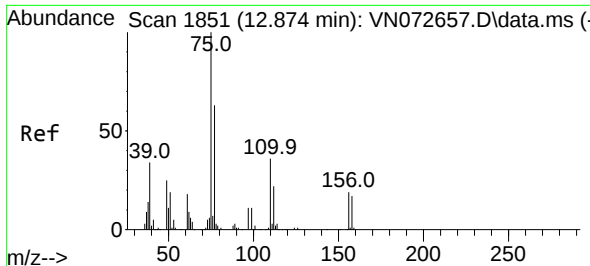
Tgt Ion: 91 Resp: 52025
Ion Ratio Lower Upper
91 100
92 56.3 44.6 67.0



#63
Toluene-d8
Concen: 32.527 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072788.D
Acq: 11 Jun 2022 14:29

Tgt Ion: 98 Resp: 282674
Ion Ratio Lower Upper
98 100
100 64.2 50.6 76.0

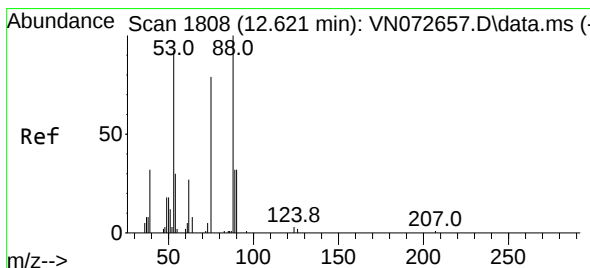
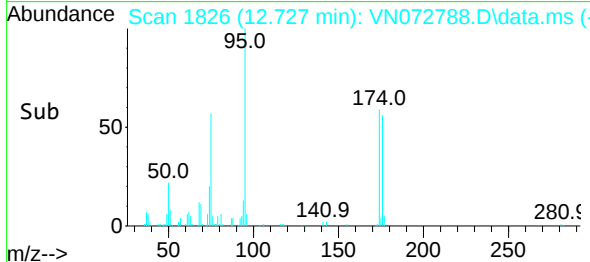
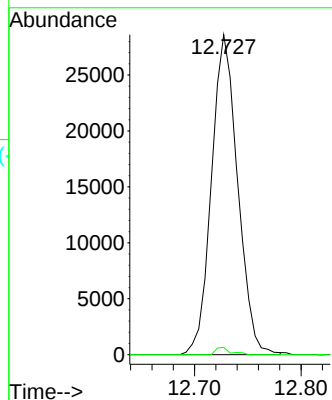
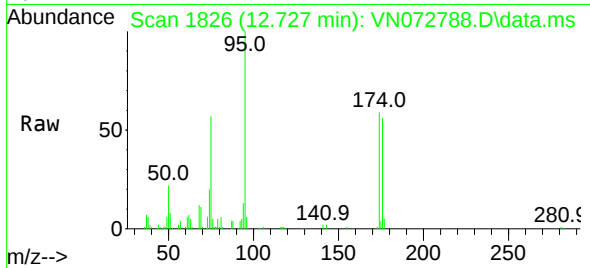




#72
1,2,3-Trichloropropane
Concen: 13.928 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072788.D
Acq: 11 Jun 2022 14:29

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 48859
Ion Ratio Lower Upper
75 100
77 1.0 0.0 378.0



#77
t-1,4-Dichloro-2-butene
Concen: 33.047 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072788.D
Acq: 11 Jun 2022 14:29

Tgt Ion: 75 Resp: 48859
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

