

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053122\
 Data File : VN072648.D
 Acq On : 31 May 2022 11:44
 Operator : JC\MD
 Sample : VN0531WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBL01

Quant Time: Jun 01 02:39:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 27 05:07:24 2022
 Response via : Initial Calibration

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

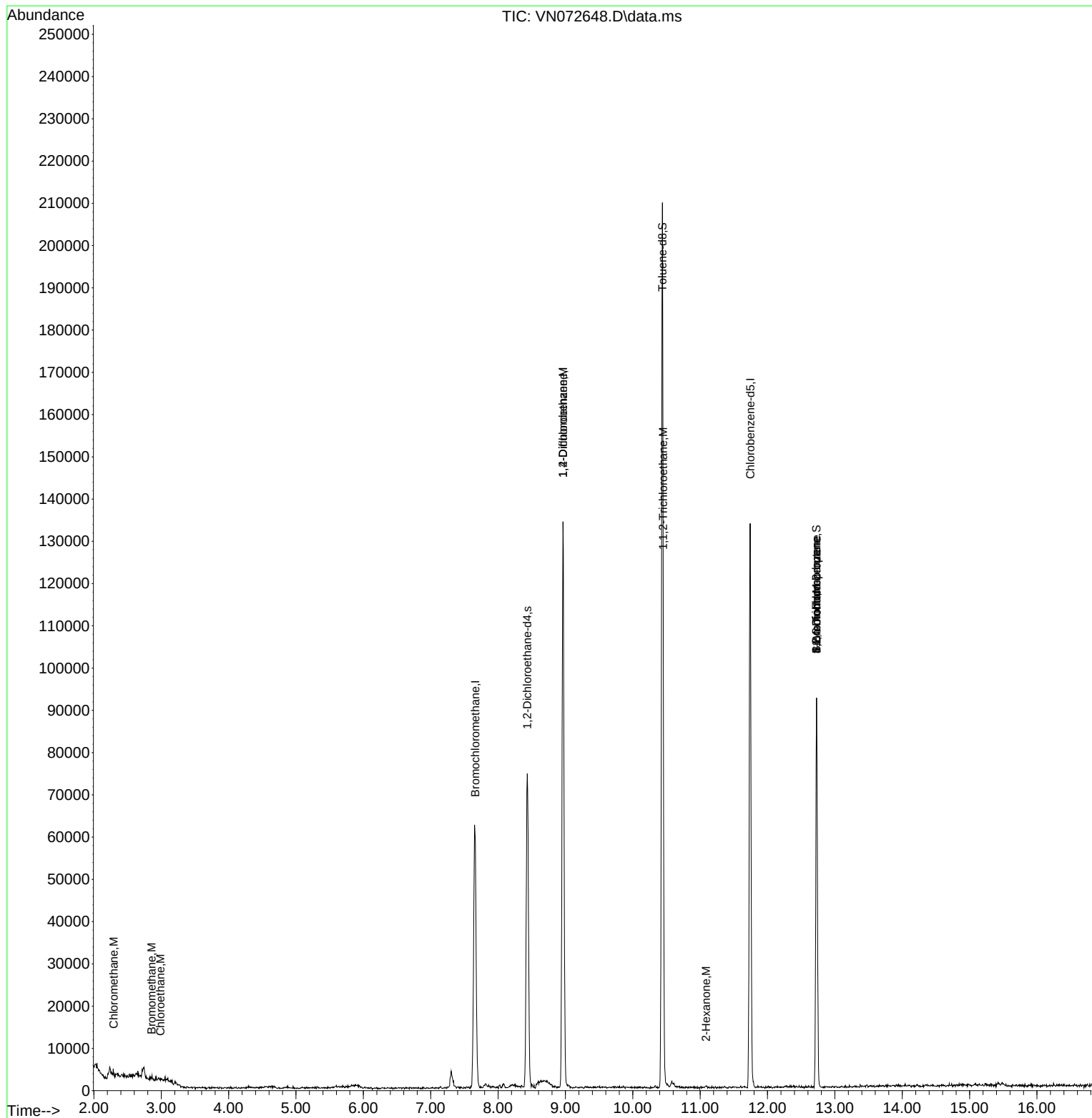
Internal Standards						
1) Bromochloromethane	7.663	128	22103	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	109553	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	73994	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	63302	29.930	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.767%
60) 4-Bromofluorobenzene	12.727	95	30334	23.343	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.800%
63) Toluene-d8	10.439	98	135572	32.223	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	107.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	462	0.228	ug/l #	70
5) Bromomethane	2.857	94	243	0.295	ug/l #	3
6) Chloroethane	2.987	64	475	0.448	ug/l #	44
36) 1,2-Dichloroethane	8.963	62	4327	2.045	ug/l #	77
50) 1,1,2-Trichloroethane	10.451	97	4596	2.839	ug/l #	1
56) Bromoform	12.727	173	254	0.211	ug/l #	1
59) 2-Hexanone	11.086	43	488	0.320	ug/l #	34
72) 1,2,3-Trichloropropane	12.727	75	17425	11.362	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.727	75	17425	29.074	ug/l #	8

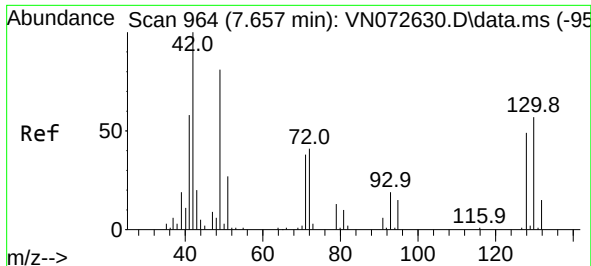
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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VN0531WBL01

Quant Time: Jun 01 02:39:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 27 05:07:24 2022
Response via : Initial Calibration

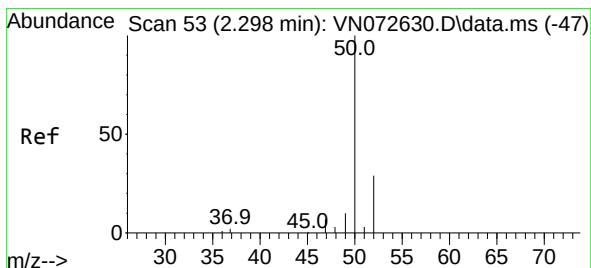
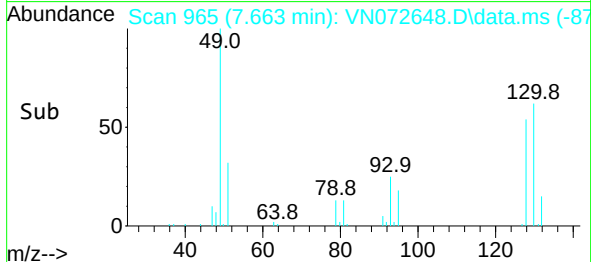
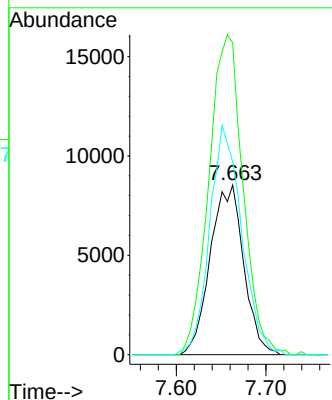
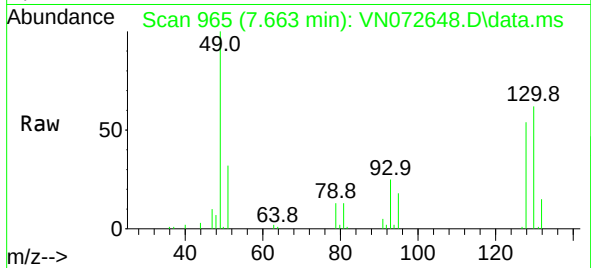




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.663 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN072648.D
Acq: 31 May 2022 11:44

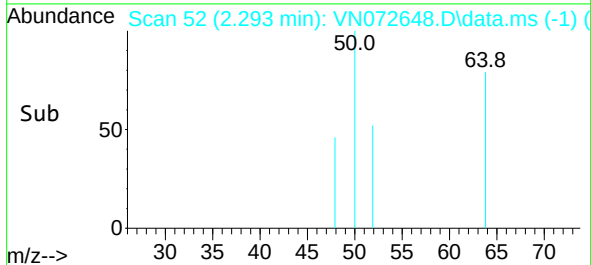
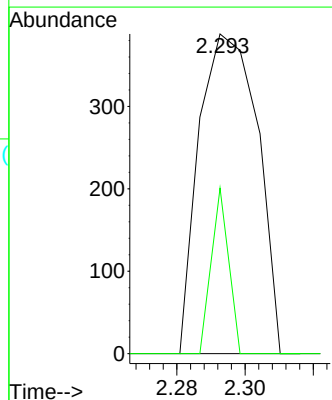
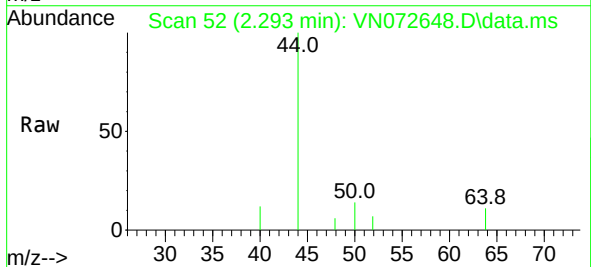
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBL01

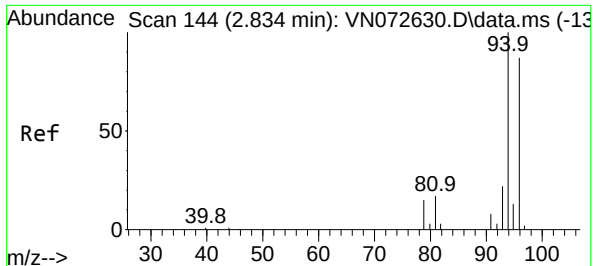
Tgt Ion:128 Resp: 22103
Ion Ratio Lower Upper
128 100
49 192.1 0.0 392.3
130 129.4 0.0 320.2



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072648.D
Acq: 31 May 2022 11:44

Tgt Ion: 50 Resp: 462
Ion Ratio Lower Upper
50 100
52 51.8 27.8 41.6#

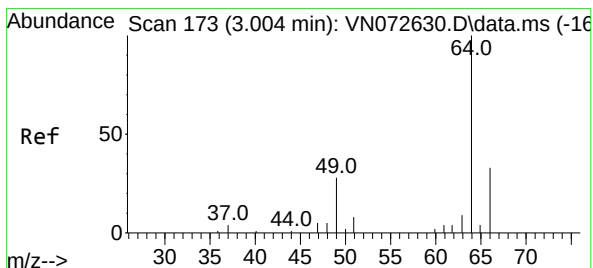
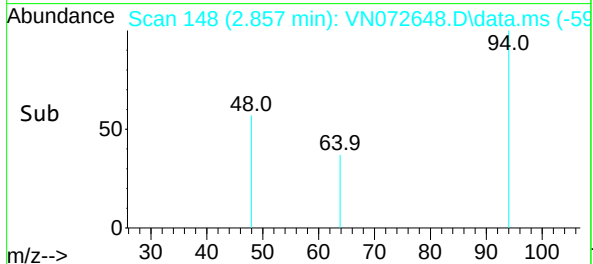
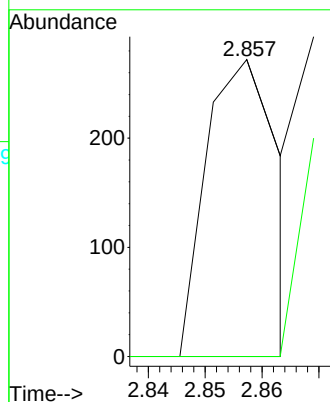
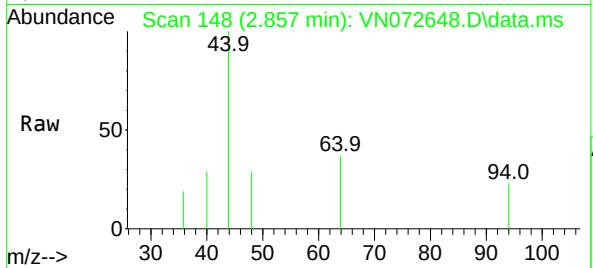




#5
Bromomethane
Concen: 0.295 ug/l
RT: 2.857 min Scan# 14
Delta R.T. 0.024 min
Lab File: VN072648.D
Acq: 31 May 2022 11:44

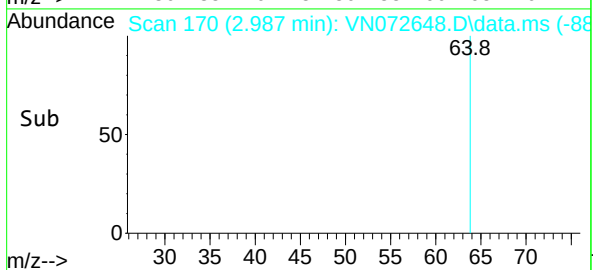
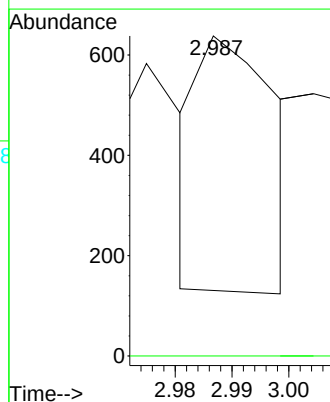
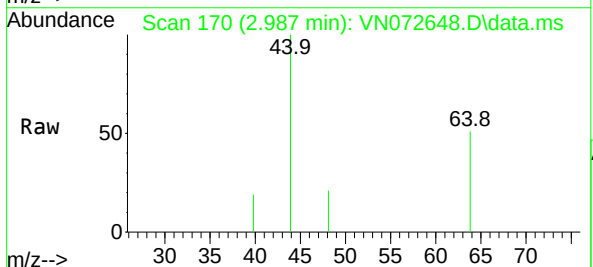
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBL01

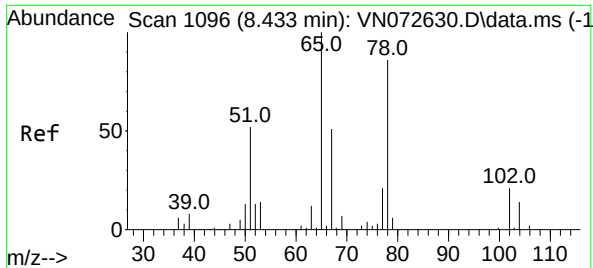
Tgt Ion: 94 Resp: 243
Ion Ratio Lower Upper
94 100
96 0.0 75.2 112.8#



#6
Chloroethane
Concen: 0.448 ug/l
RT: 2.987 min Scan# 170
Delta R.T. -0.018 min
Lab File: VN072648.D
Acq: 31 May 2022 11:44

Tgt Ion: 64 Resp: 475
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

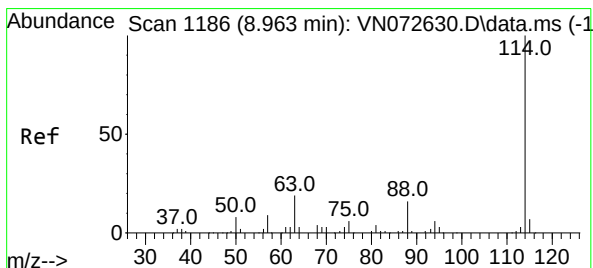
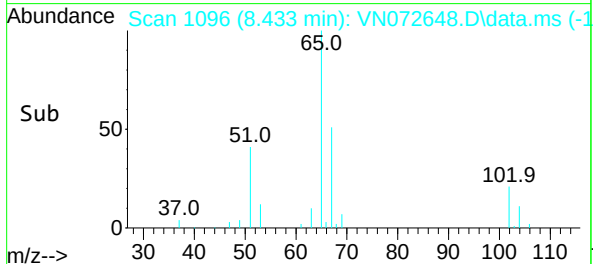
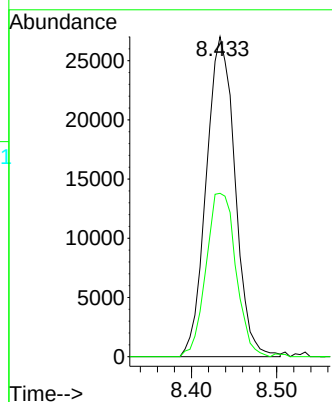
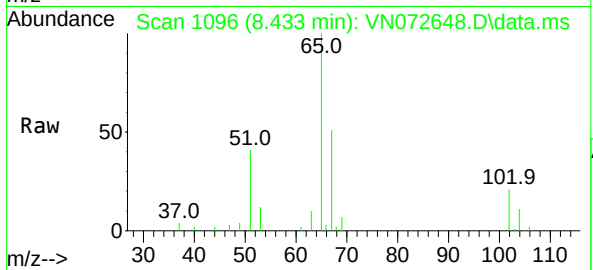




#27
1,2-Dichloroethane-d4
Concen: 29.930 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072648.D
Acq: 31 May 2022 11:44

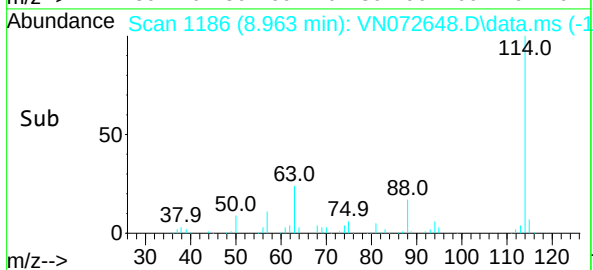
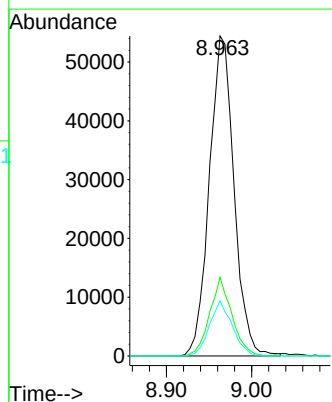
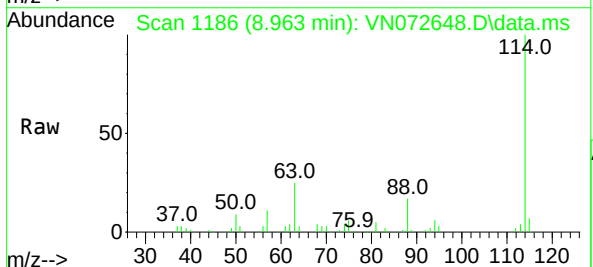
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBL01

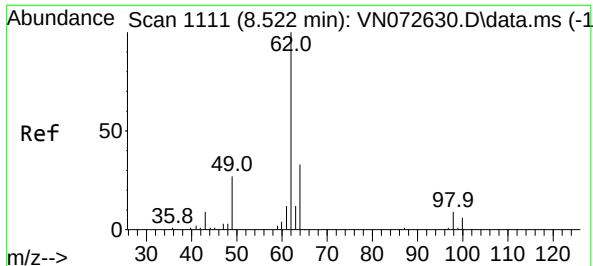
Tgt Ion: 65 Resp: 63302
Ion Ratio Lower Upper
65 100
67 53.0 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072648.D
Acq: 31 May 2022 11:44

Tgt Ion: 114 Resp: 109553
Ion Ratio Lower Upper
114 100
63 22.1 15.8 23.6
88 15.9 11.6 17.4





#36

1,2-Dichloroethane

Concen: 2.045 ug/l

RT: 8.963 min Scan# 1111

Delta R.T. 0.441 min

Lab File: VN072648.D

Acq: 31 May 2022 11:44

Instrument :

MSVOA_N

ClientSampleId :

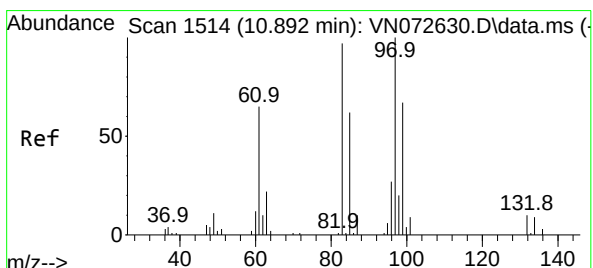
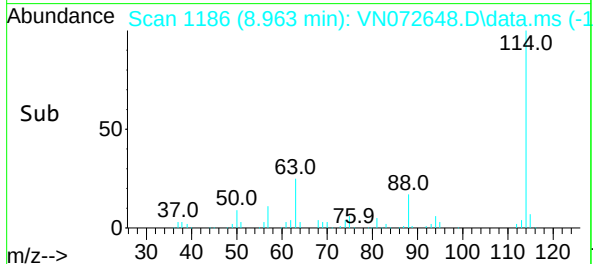
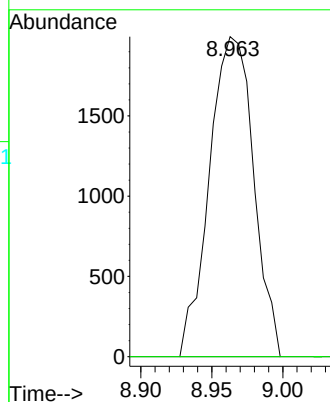
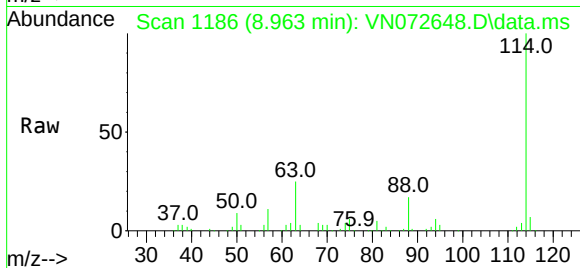
VN0531WBL01

Tgt Ion: 62 Resp: 4327

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



#50

1,1,2-Trichloroethane

Concen: 2.839 ug/l

RT: 10.451 min Scan# 1439

Delta R.T. -0.441 min

Lab File: VN072648.D

Acq: 31 May 2022 11:44

Tgt Ion: 97 Resp: 4596

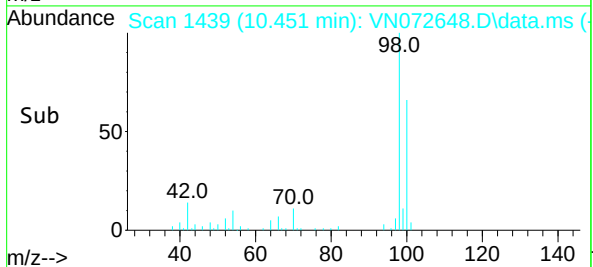
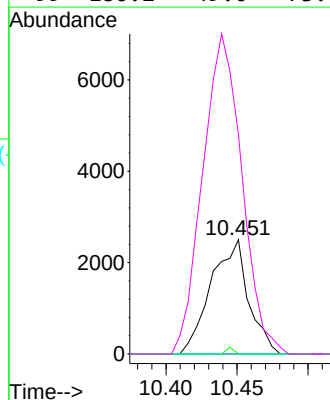
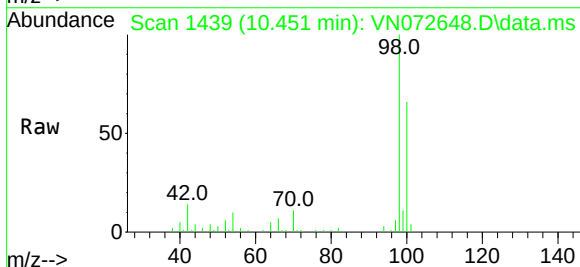
Ion Ratio Lower Upper

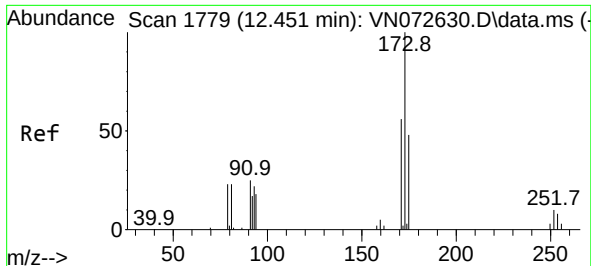
97 100

83 0.0 67.2 100.8#

85 0.0 43.0 64.4#

99 186.2 49.0 73.4#

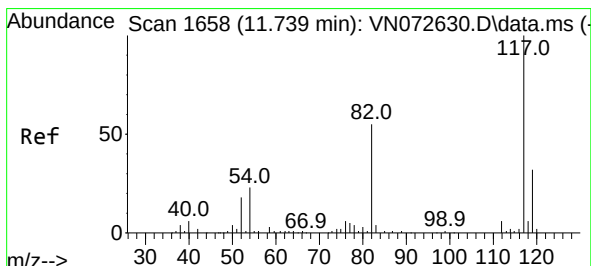
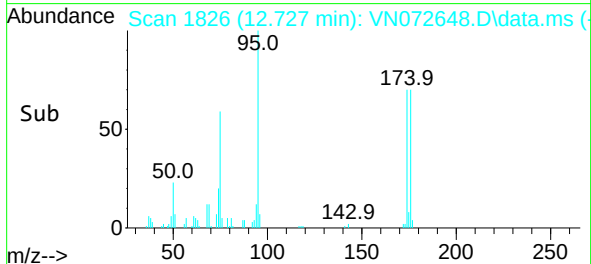
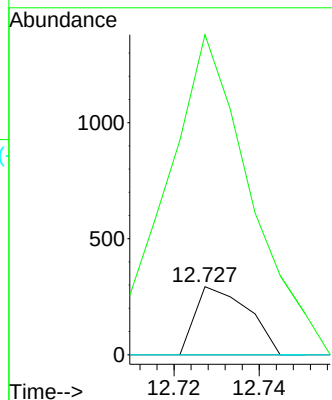
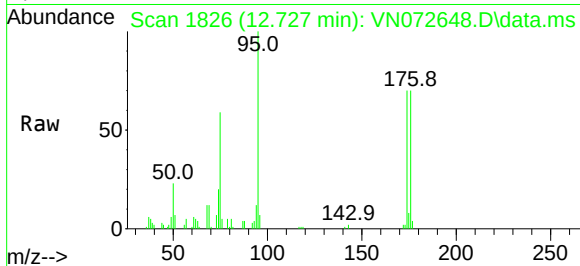




#56
Bromoform
Concen: 0.211 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.277 min
Lab File: VN072648.D
Acq: 31 May 2022 11:44

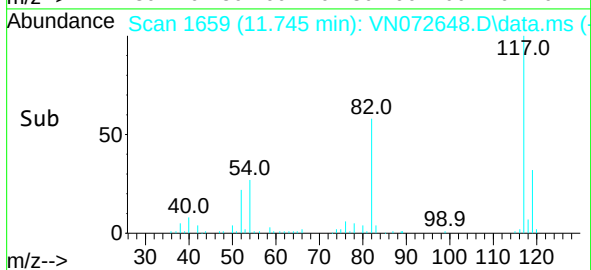
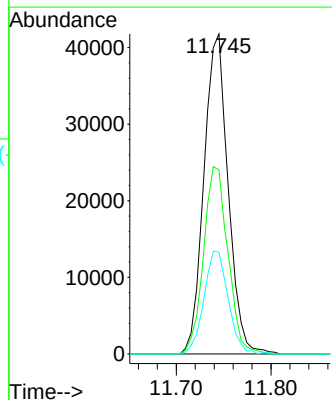
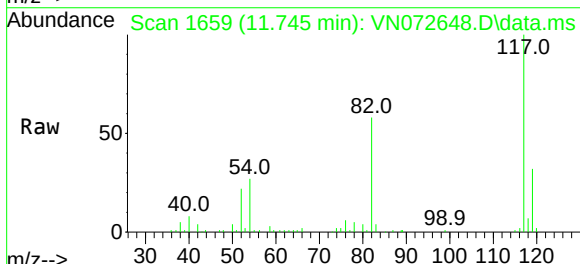
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBL01

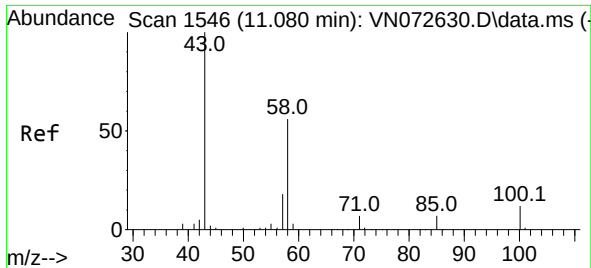
Tgt Ion:173 Resp: 254
Ion Ratio Lower Upper
173 100
175 740.6 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072648.D
Acq: 31 May 2022 11:44

Tgt Ion:117 Resp: 73994
Ion Ratio Lower Upper
117 100
82 59.0 43.6 65.4
119 32.2 25.8 38.6

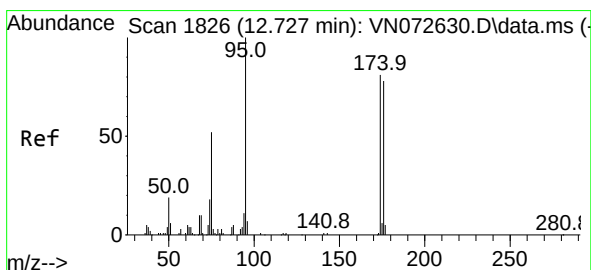
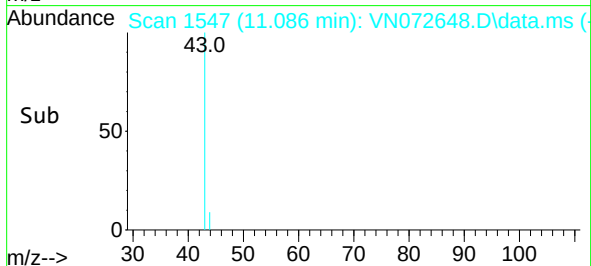
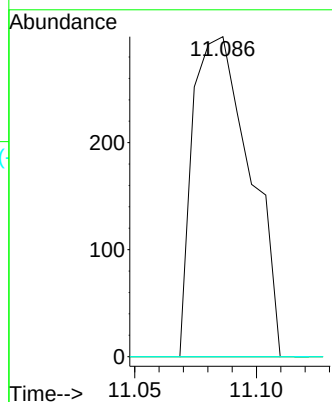
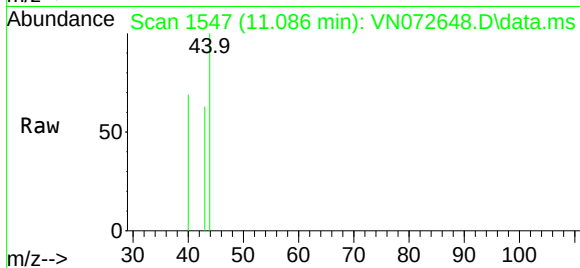




#59
2-Hexanone
Concen: 0.320 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.006 min
Lab File: VN072648.D
Acq: 31 May 2022 11:44

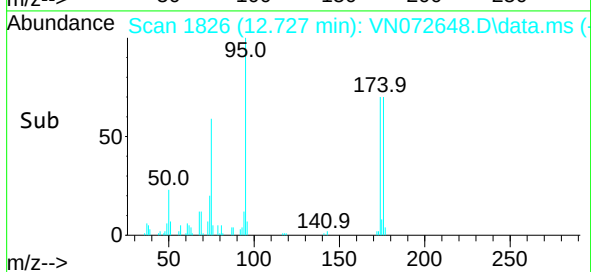
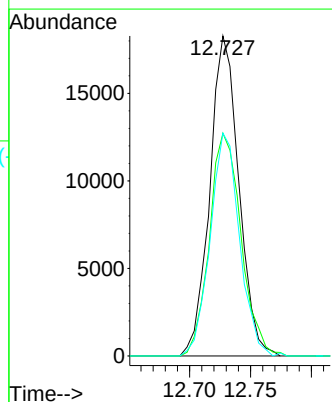
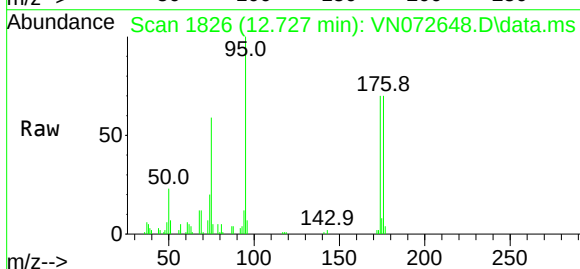
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ClientSampleId :
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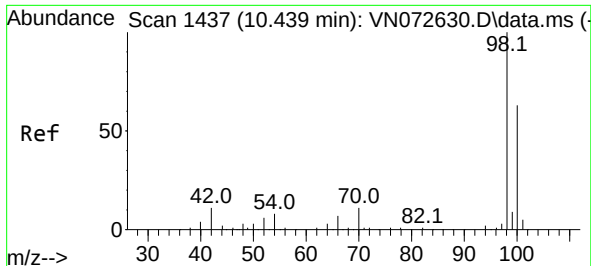
Tgt Ion: 43 Resp: 488
Ion Ratio Lower Upper
43 100
58 0.0 42.2 63.2#
57 0.0 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 23.343 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072648.D
Acq: 31 May 2022 11:44

Tgt Ion: 95 Resp: 30334
Ion Ratio Lower Upper
95 100
174 75.8 62.9 94.3
176 70.2 61.0 91.4

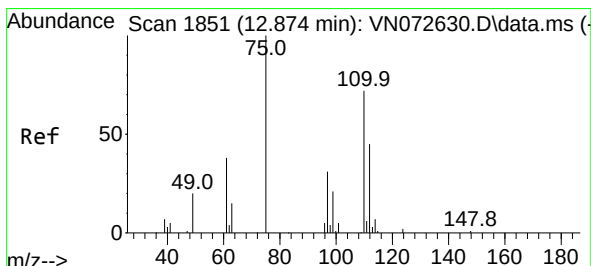
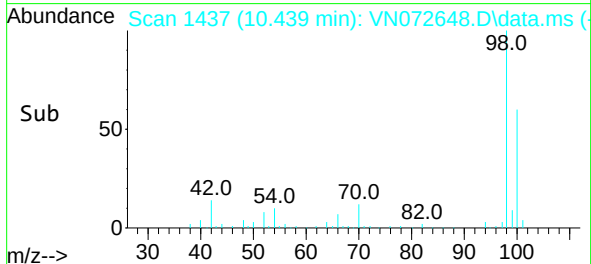
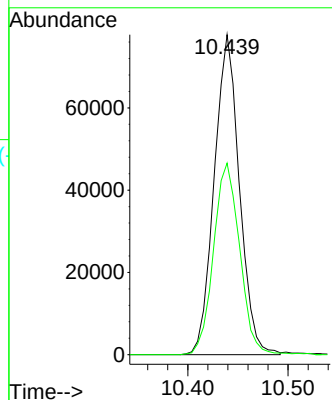
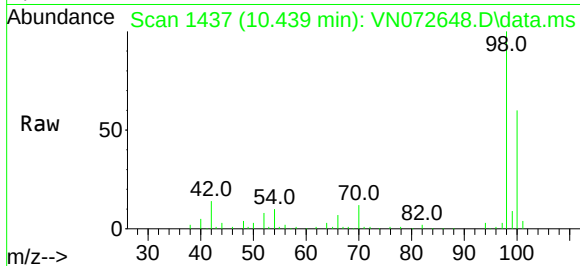




#63
Toluene-d8
Concen: 32.223 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072648.D
Acq: 31 May 2022 11:44

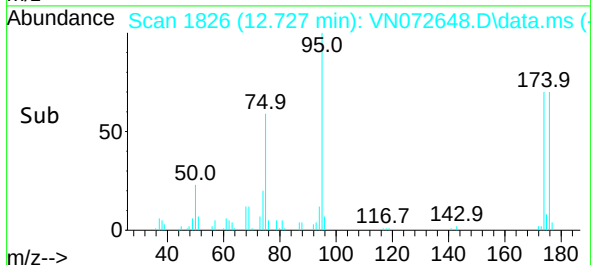
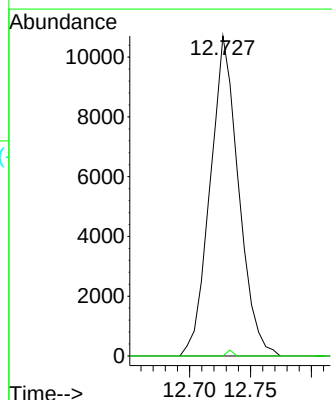
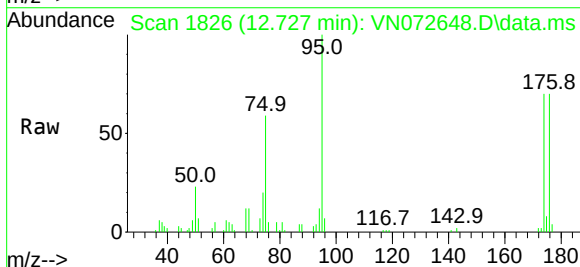
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBL01

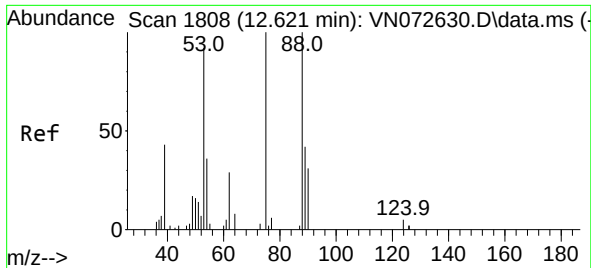
Tgt Ion: 98 Resp: 135572
Ion Ratio Lower Upper
98 100
100 62.2 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 11.362 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072648.D
Acq: 31 May 2022 11:44

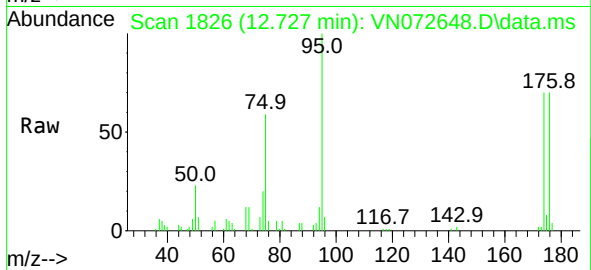
Tgt Ion: 75 Resp: 17425
Ion Ratio Lower Upper
75 100
77 0.0 0.0 378.0





#77
t-1,4-Dichloro-2-butene
Concen: 29.074 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN072648.D
Acq: 31 May 2022 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBL01



Tgt Ion:	75	Resp:	17425
Ion	Ratio	Lower	Upper
75	100		
53	0.0	51.8	155.5#
89	0.0	22.9	68.7#

