

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
 Data File : VN072636.D
 Acq On : 26 May 2022 17:32
 Operator : JC\MD
 Sample : VN0526WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0526WBL01

Quant Time: May 27 05:33:59 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)

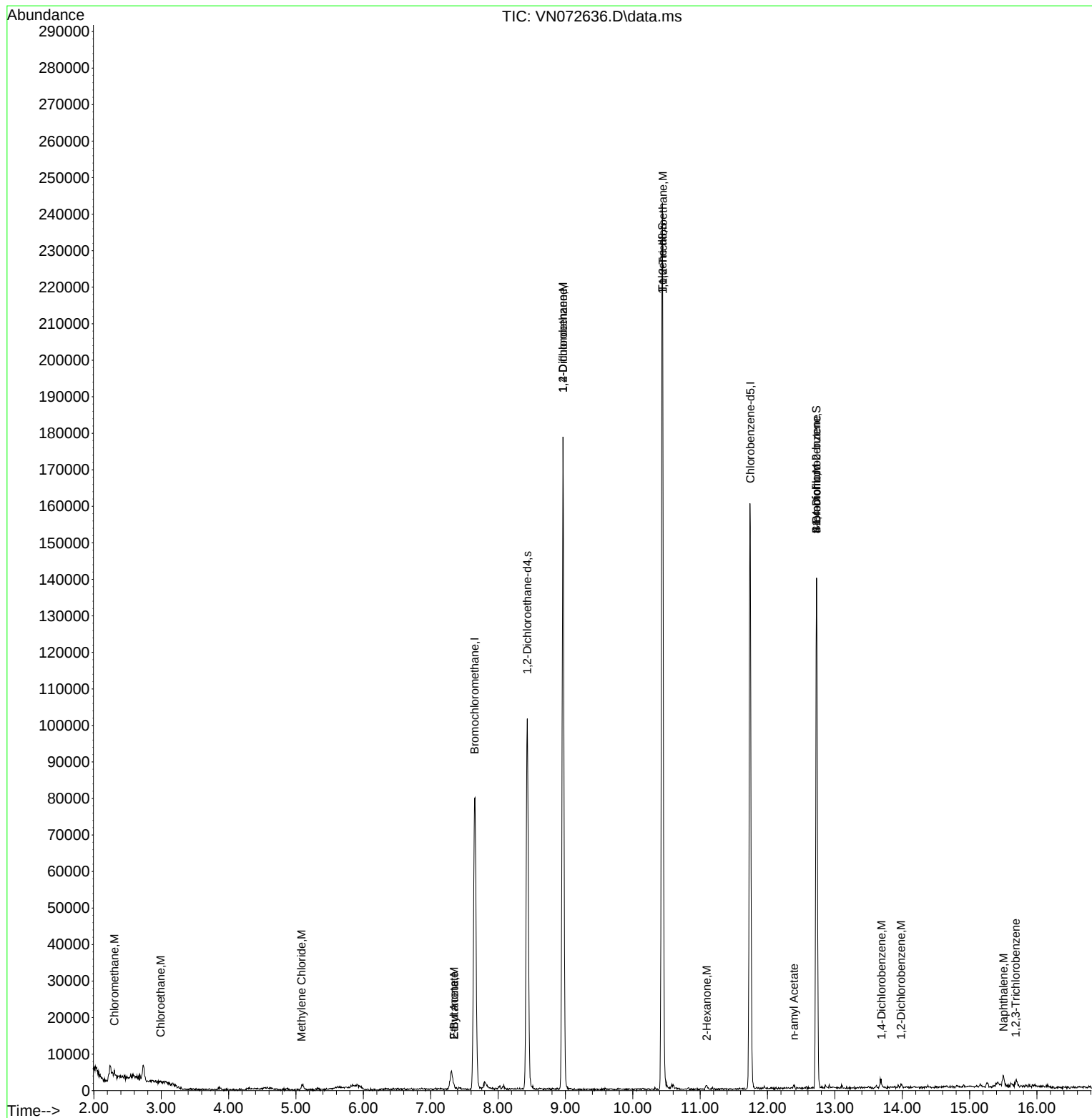
Internal Standards						
1) Bromochloromethane	7.651	128	29957	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	136976	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	86768	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	82164	28.663	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.533%
60) 4-Bromofluorobenzene	12.727	95	48166	31.609	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	105.367%
63) Toluene-d8	10.439	98	162656	32.969	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	109.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	768	0.280	ug/l #	40
6) Chloroethane	2.993	64	621	0.433	ug/l #	44
18) Methylene Chloride	5.081	84	509	0.215	ug/l #	74
30) 2-Butanone	7.345	43	1280	0.734	ug/l #	53
36) 1,2-Dichloroethane	8.963	62	4990	1.886	ug/l #	77
43) Ethyl Acetate	7.345	43	1280	0.383	ug/l #	67
47) n-amyl Acetate	12.392	43	762	0.201	ug/l #	67
50) 1,1,2-Trichloroethane	10.445	97	5573	2.753	ug/l #	1
56) Bromoform	12.727	173	716	0.477	ug/l #	1
59) 2-Hexanone	11.098	43	995	0.557	ug/l #	66
77) t-1,4-Dichloro-2-butene	12.727	75	25621	36.456	ug/l #	8
84) 1,4-Dichlorobenzene	13.692	146	820	0.357	ug/l #	58
87) 1,2-Dichlorobenzene	13.980	146	530	0.227	ug/l #	51
91) Naphthalene	15.504	128	2800	0.692	ug/l #	85
92) 1,2,3-Trichlorobenzene	15.686	180	849	0.721	ug/l	44

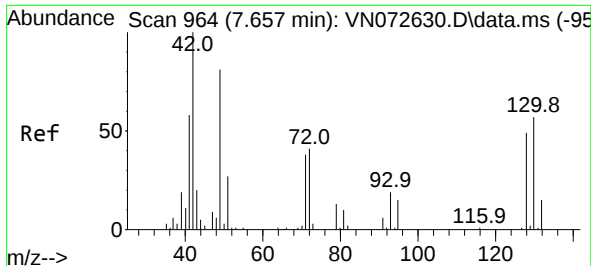
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
Data File : VN072636.D
Acq On : 26 May 2022 17:32
Operator : JC\MD
Sample : VN0526WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

Quant Time: May 27 05:33:59 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

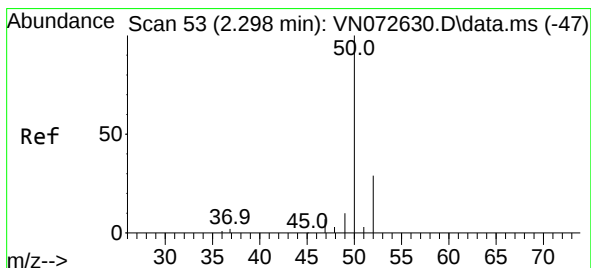
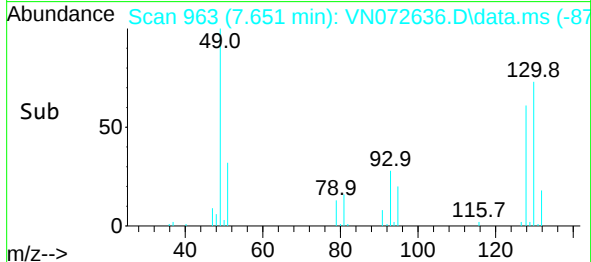
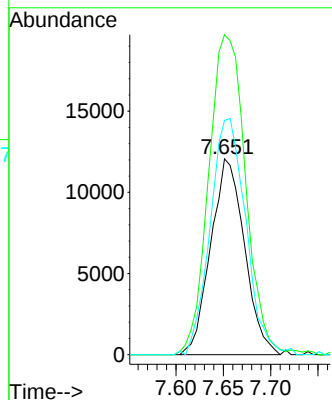
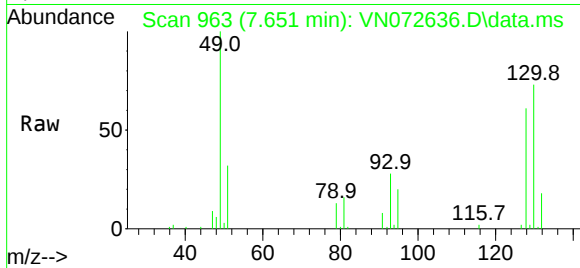




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

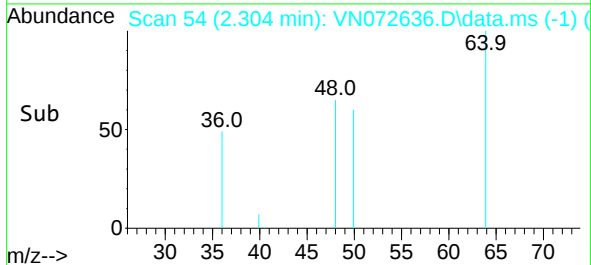
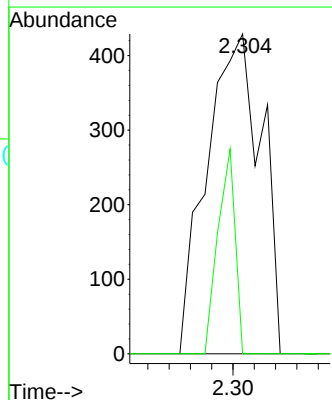
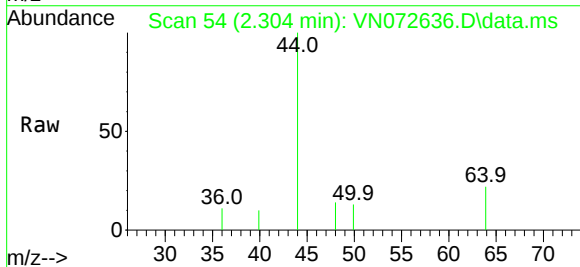
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

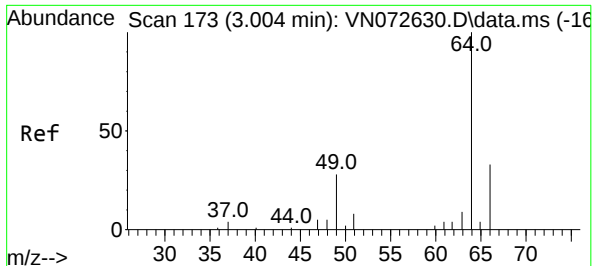
Tgt Ion:128 Resp: 29957
Ion Ratio Lower Upper
128 100
49 177.6 0.0 392.3
130 126.4 0.0 320.2



#3
Chloromethane
Concen: 0.280 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

Tgt Ion: 50 Resp: 768
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

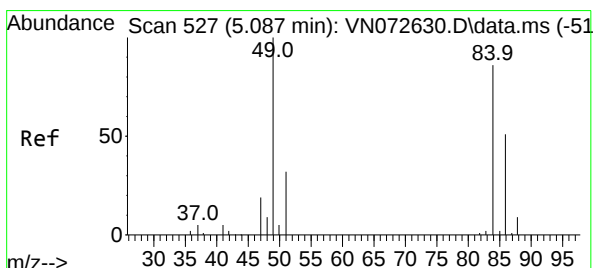
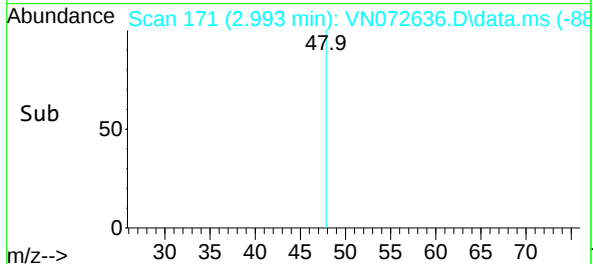
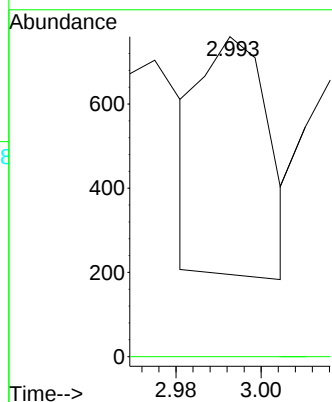
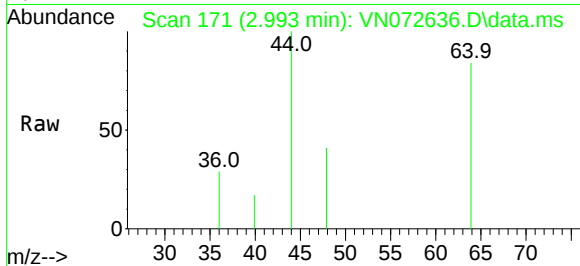




#6
Chloroethane
Concen: 0.433 ug/l
RT: 2.993 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

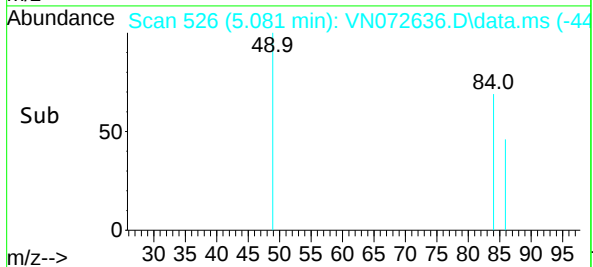
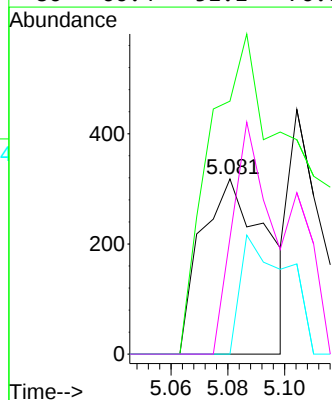
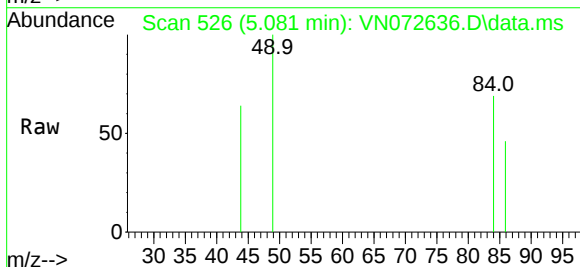
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

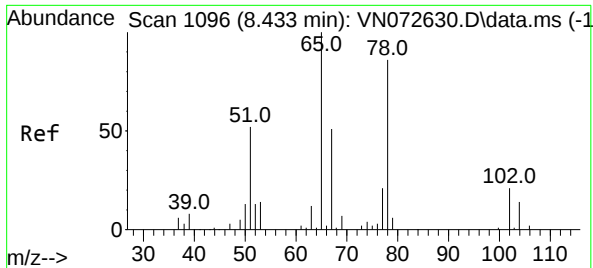
Tgt Ion: 64 Resp: 621
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#18
Methylene Chloride
Concen: 0.215 ug/l
RT: 5.081 min Scan# 526
Delta R.T. -0.006 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

Tgt Ion: 84 Resp: 509
Ion Ratio Lower Upper
84 100
49 144.3 91.4 137.0#
51 0.0 29.4 44.0#
86 66.4 51.1 76.7

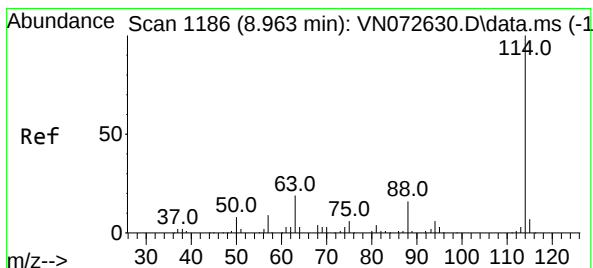
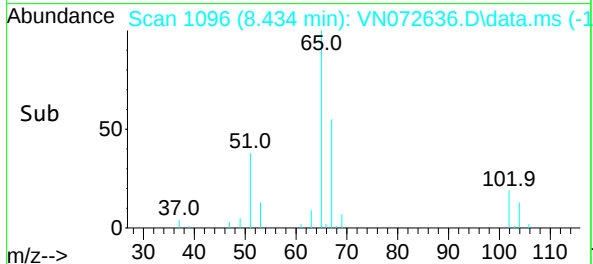
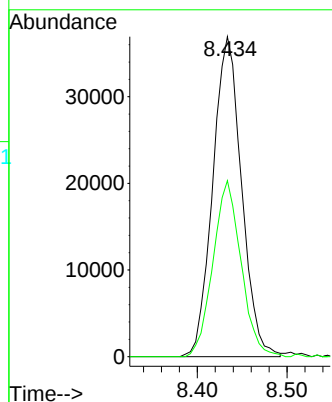
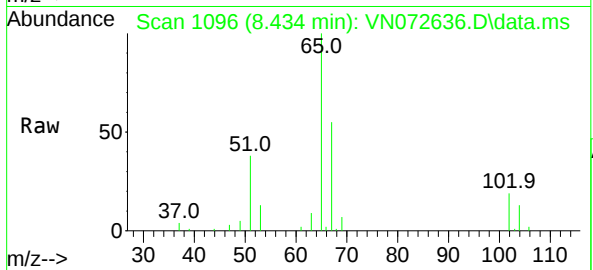




#27
1,2-Dichloroethane-d4
Concen: 28.663 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

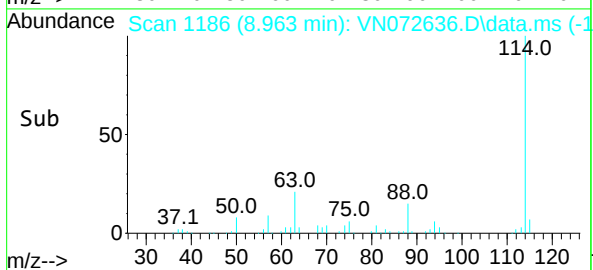
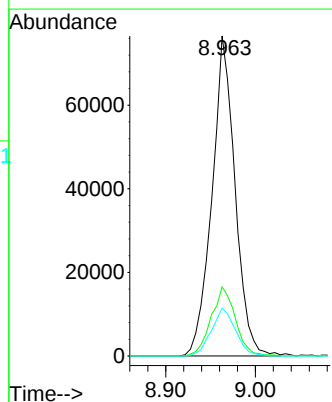
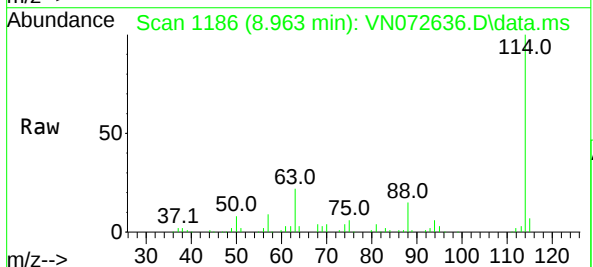
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

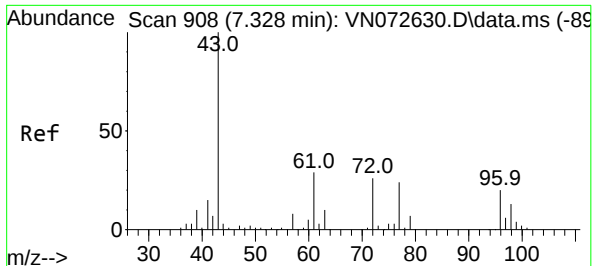
Tgt Ion: 65 Resp: 82164
Ion Ratio Lower Upper
65 100
67 53.7 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

Tgt Ion: 114 Resp: 136976
Ion Ratio Lower Upper
114 100
63 22.6 15.8 23.6
88 15.5 11.6 17.4





#30

2-Butanone

Concen: 0.734 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.018 min

Lab File: VN072636.D

Acq: 26 May 2022 17:32

Instrument :

MSVOA_N

ClientSampleId :

VN0526WBL01

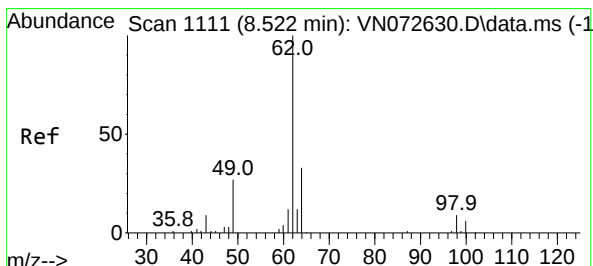
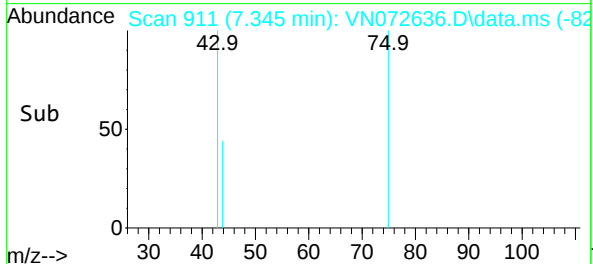
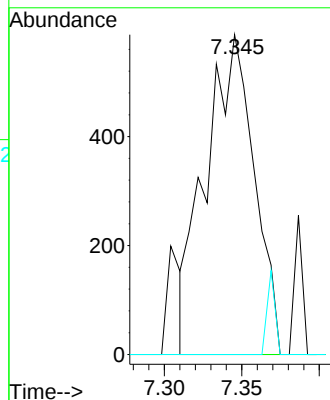
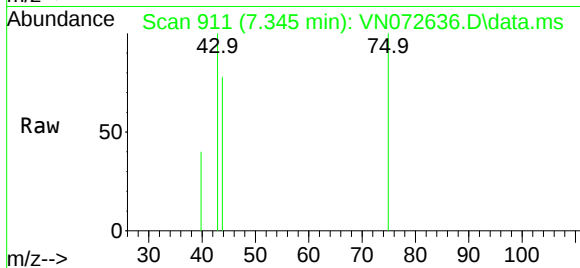
Tgt Ion: 43 Resp: 1280

Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 0.0 23.2 34.8#



#36

1,2-Dichloroethane

Concen: 1.886 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.441 min

Lab File: VN072636.D

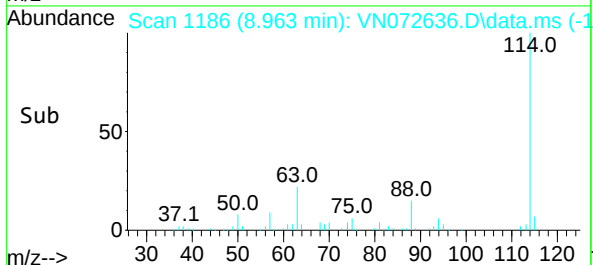
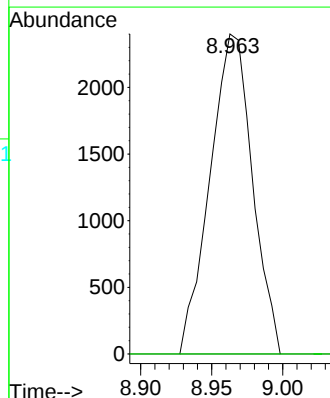
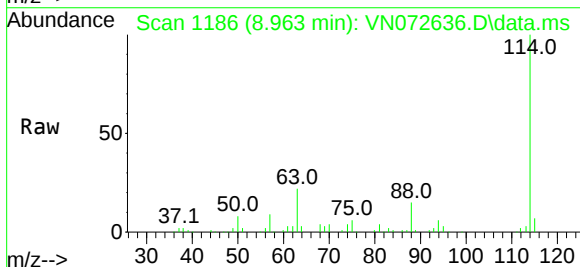
Acq: 26 May 2022 17:32

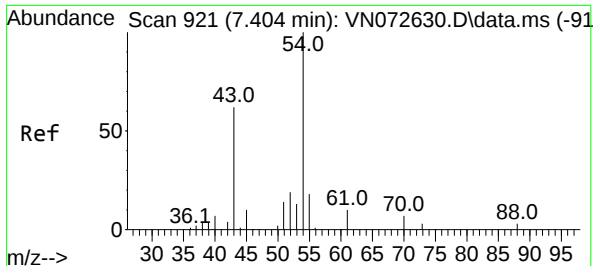
Tgt Ion: 62 Resp: 4990

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#

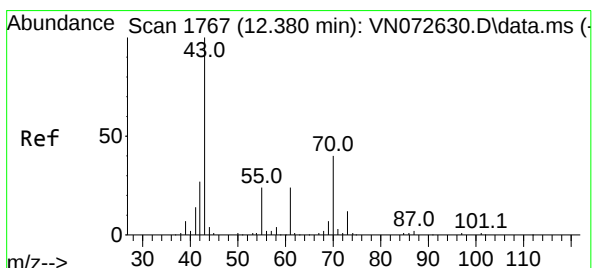
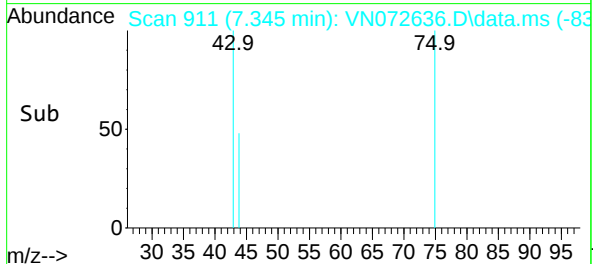
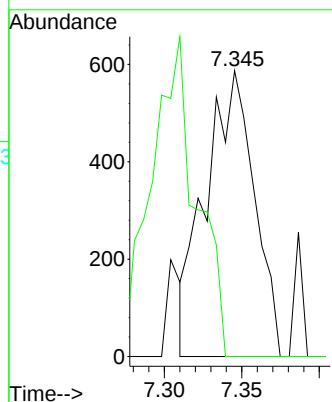
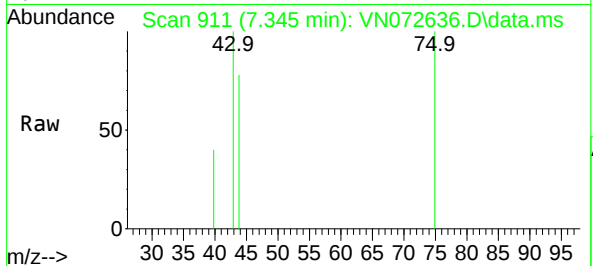




#43
Ethyl Acetate
Concen: 0.383 ug/l
RT: 7.345 min Scan# 91
Delta R.T. -0.059 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

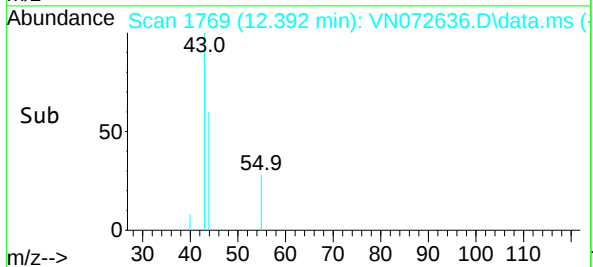
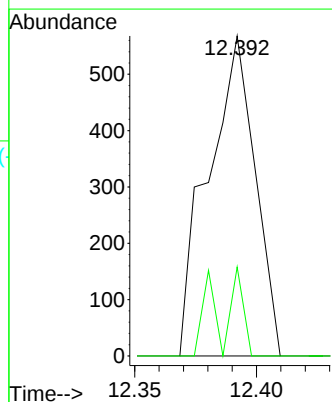
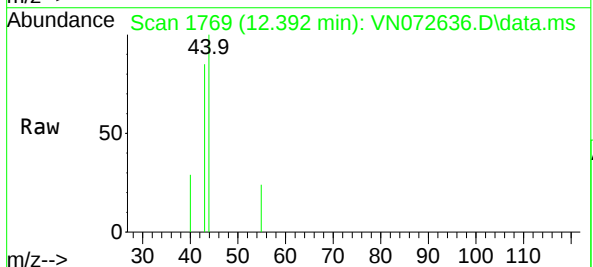
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

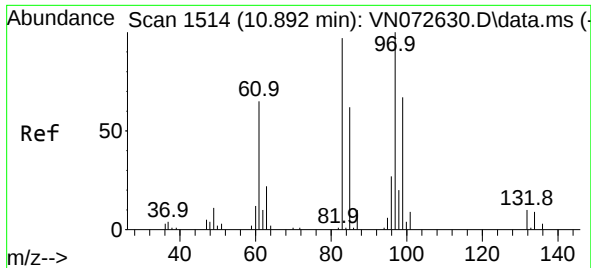
Tgt Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
45 0.0 10.6 16.0#



#47
n-amyl Acetate
Concen: 0.201 ug/l
RT: 12.392 min Scan# 1769
Delta R.T. 0.012 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
55 7.3 19.0 28.6#

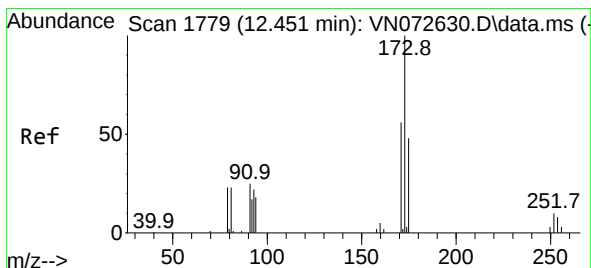
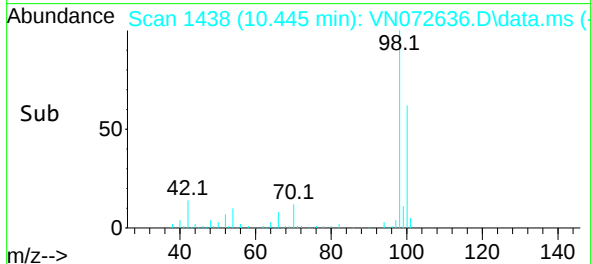
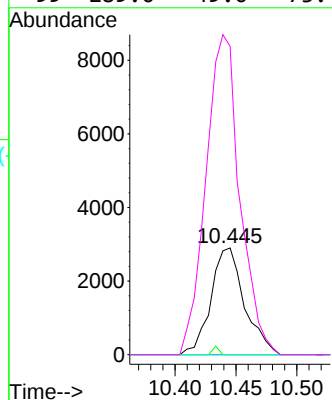
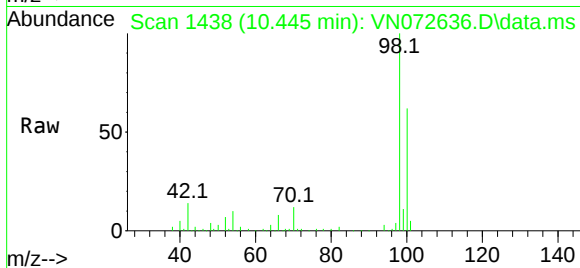




#50
1,1,2-Trichloroethane
Concen: 2.753 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. -0.447 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

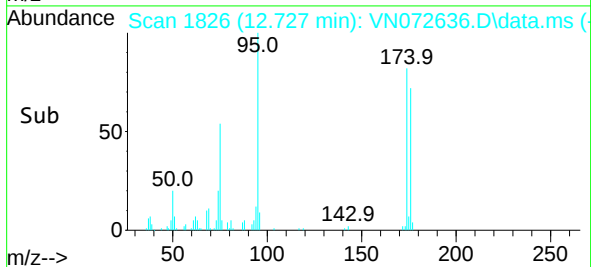
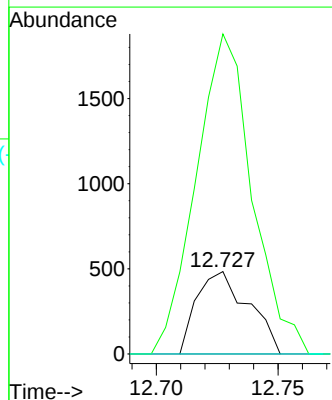
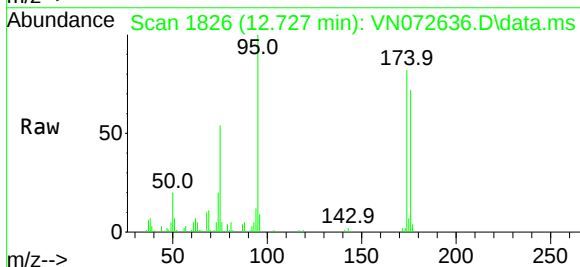
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

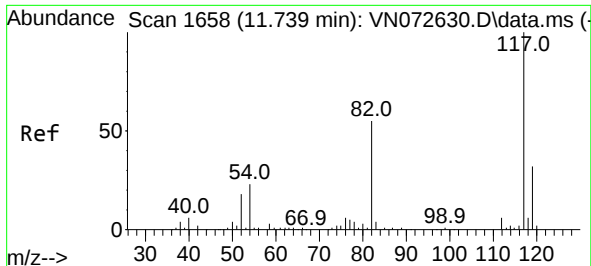
Tgt Ion:	97	Resp:	5573
Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.2	100.8#
85	0.0	43.0	64.4#
99	289.0	49.0	73.4#



#56
Bromoform
Concen: 0.477 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.277 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

Tgt Ion:	173	Resp:	716
Ion	Ratio	Lower	Upper
173	100		
175	421.5	38.6	58.0#
254	0.0	0.0	0.0

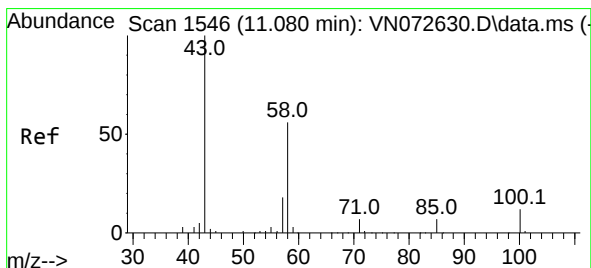
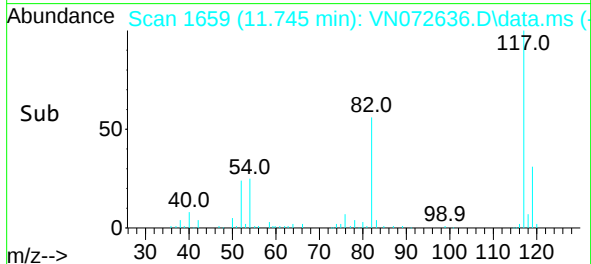
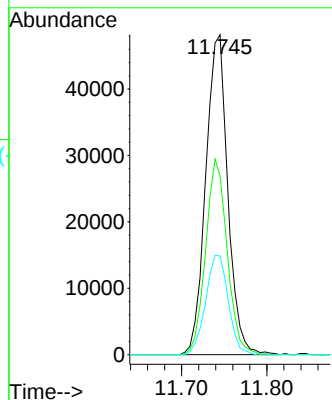
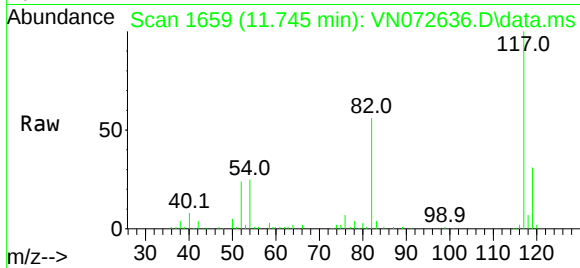




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

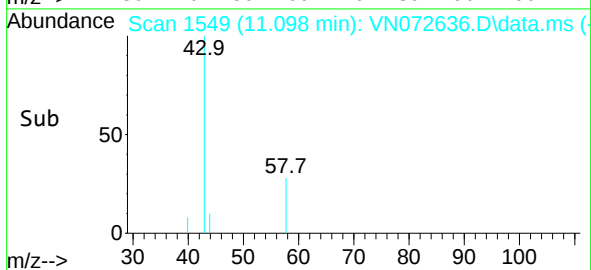
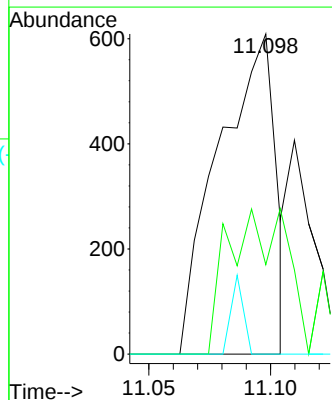
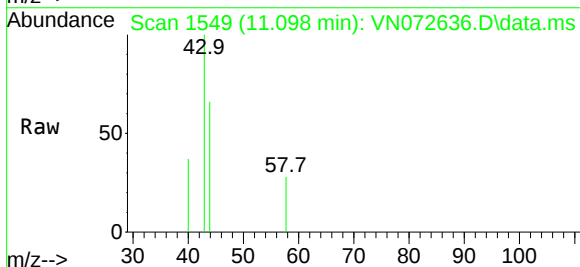
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

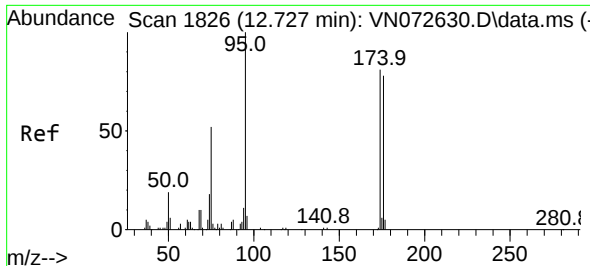
Tgt Ion:117 Resp: 86768
Ion Ratio Lower Upper
117 100
82 59.4 43.6 65.4
119 31.8 25.8 38.6



#59
2-Hexanone
Concen: 0.557 ug/l
RT: 11.098 min Scan# 1549
Delta R.T. 0.018 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

Tgt Ion: 43 Resp: 995
Ion Ratio Lower Upper
43 100
58 30.6 42.2 63.2#
57 0.0 15.0 22.4#

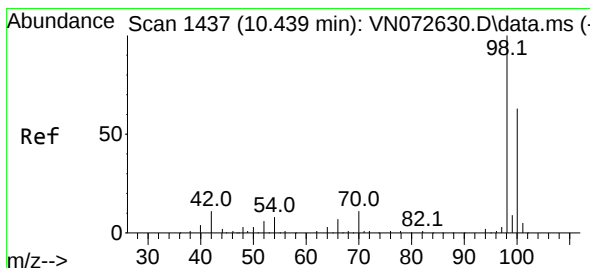
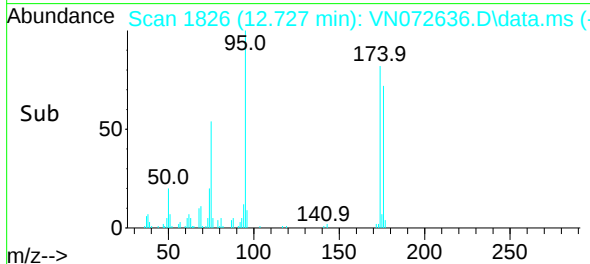
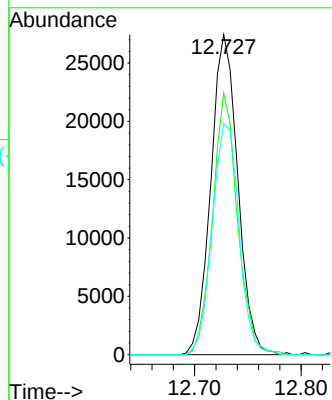
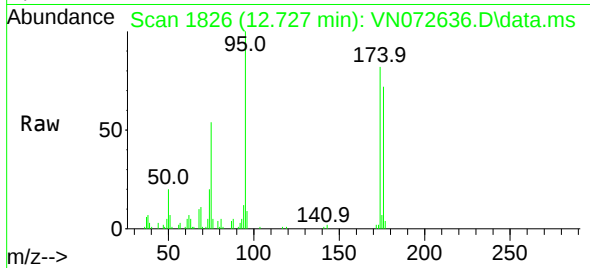




#60
4-Bromofluorobenzene
Concen: 31.609 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

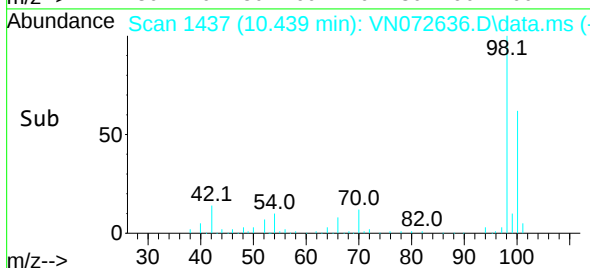
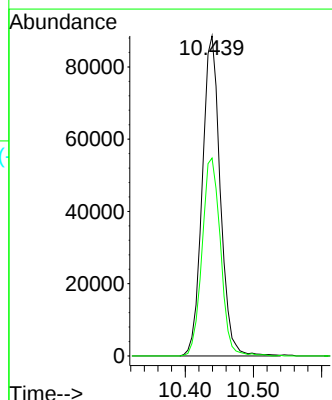
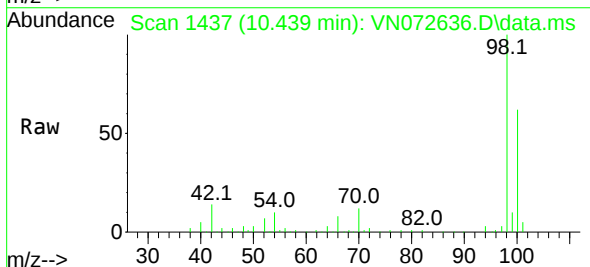
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

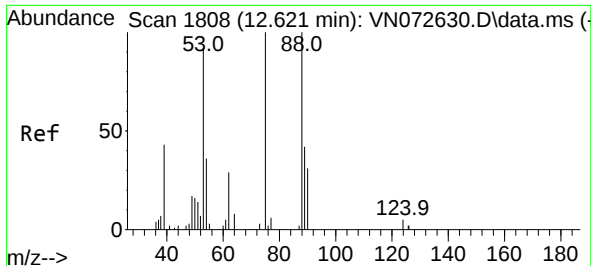
Tgt Ion: 95 Resp: 48166
Ion Ratio Lower Upper
95 100
174 75.7 62.9 94.3
176 72.5 61.0 91.4



#63
Toluene-d8
Concen: 32.969 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

Tgt Ion: 98 Resp: 162656
Ion Ratio Lower Upper
98 100
100 63.2 50.6 76.0

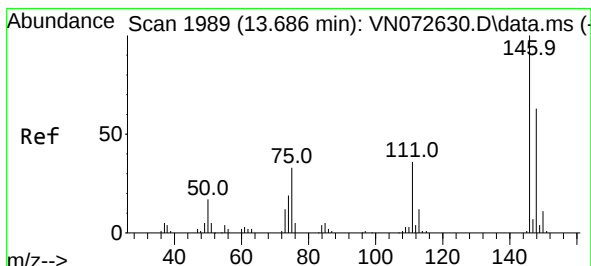
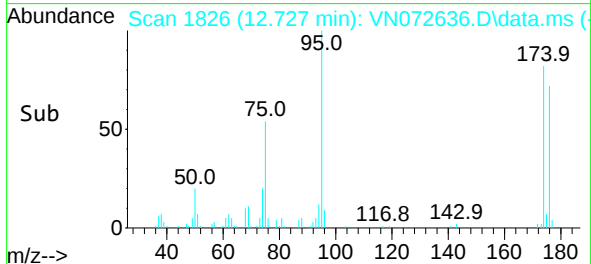
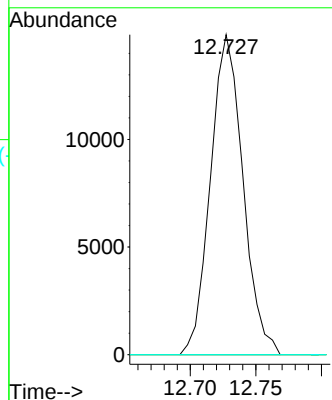
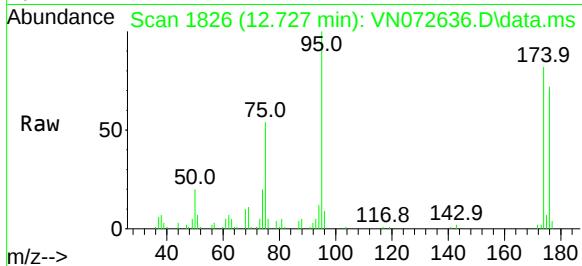




#77
t-1,4-Dichloro-2-butene
Concen: 36.456 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

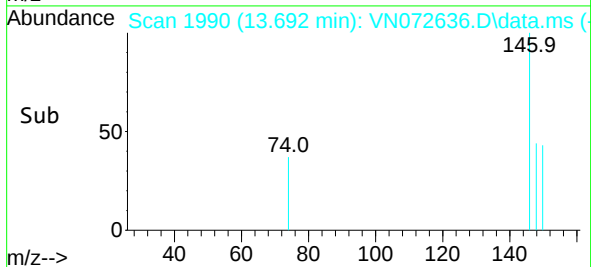
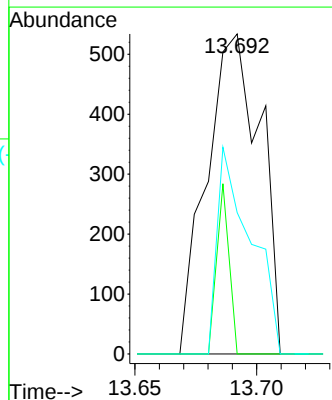
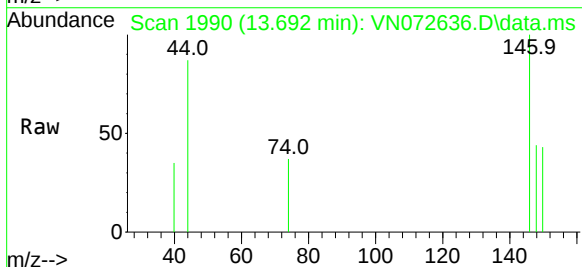
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

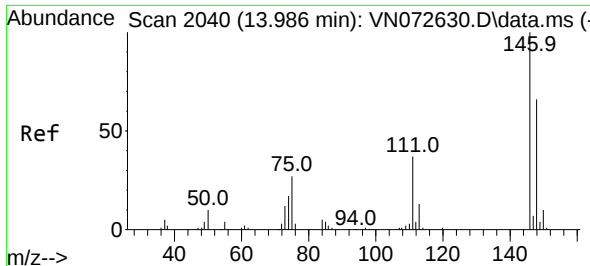
Tgt Ion: 75 Resp: 25621
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#84
1,4-Dichlorobenzene
Concen: 0.357 ug/l
RT: 13.692 min Scan# 1990
Delta R.T. 0.006 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

Tgt Ion:146 Resp: 820
Ion Ratio Lower Upper
146 100
111 0.0 19.5 58.5#
148 40.4 31.1 93.5

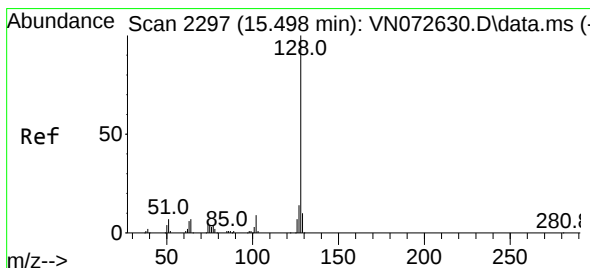
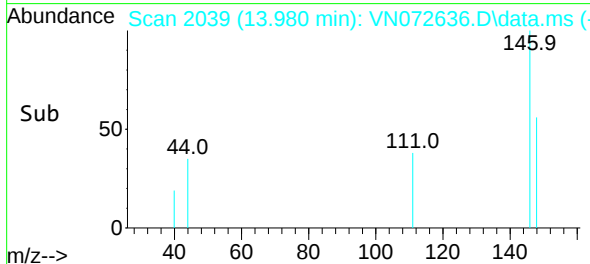
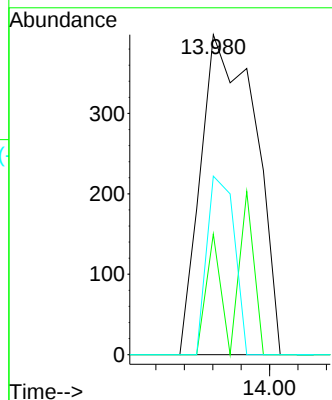
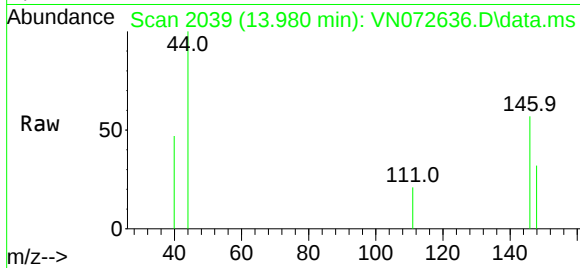




#87
1,2-Dichlorobenzene
Concen: 0.227 ug/l
RT: 13.980 min Scan# 2040
Delta R.T. -0.006 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

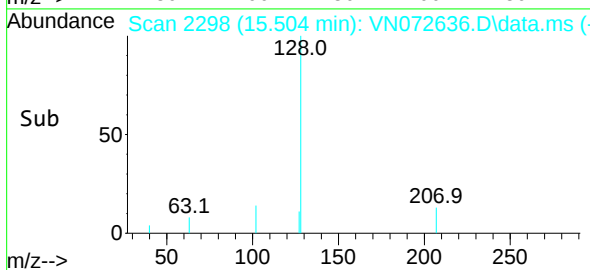
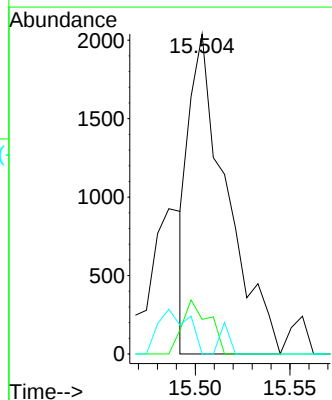
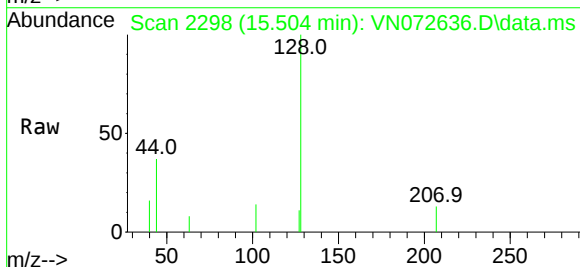
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL01

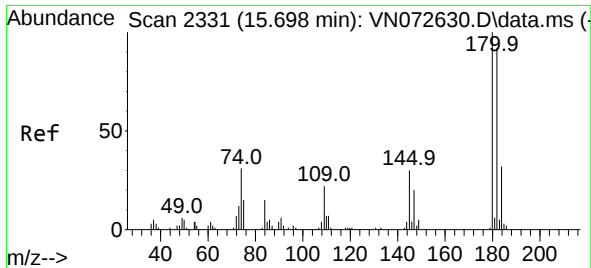
Tgt Ion:146 Resp: 530
Ion Ratio Lower Upper
146 100
111 10.0 21.4 64.2#
148 28.1 32.5 97.4#



#91
Naphthalene
Concen: 0.692 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072636.D
Acq: 26 May 2022 17:32

Tgt Ion:128 Resp: 2800
Ion Ratio Lower Upper
128 100
127 12.0 10.7 16.1
129 0.0 9.0 13.6#





#92

1,2,3-Trichlorobenzene

Concen: 0.721 ug/l

RT: 15.686 min Scan# 21

Delta R.T. -0.012 min

Lab File: VN072636.D

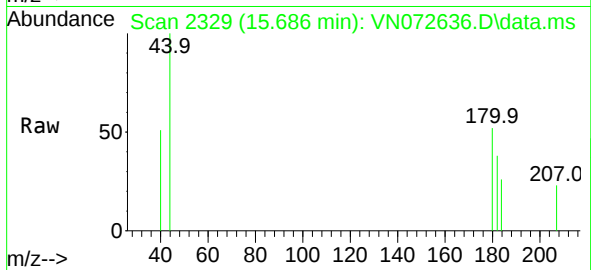
Acq: 26 May 2022 17:32

Instrument :

MSVOA_N

ClientSampleId :

VN0526WBL01



Tgt Ion:180 Resp: 849

Ion Ratio Lower Upper

180 100

182 37.5 0.0 190.0

145 7.7 0.0 67.8

