

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050322\
 Data File : VN072306.D
 Acq On : 03 May 2022 15:50
 Operator : JC\MD
 Sample : VN0503MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBL01

Quant Time: May 04 05:12:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

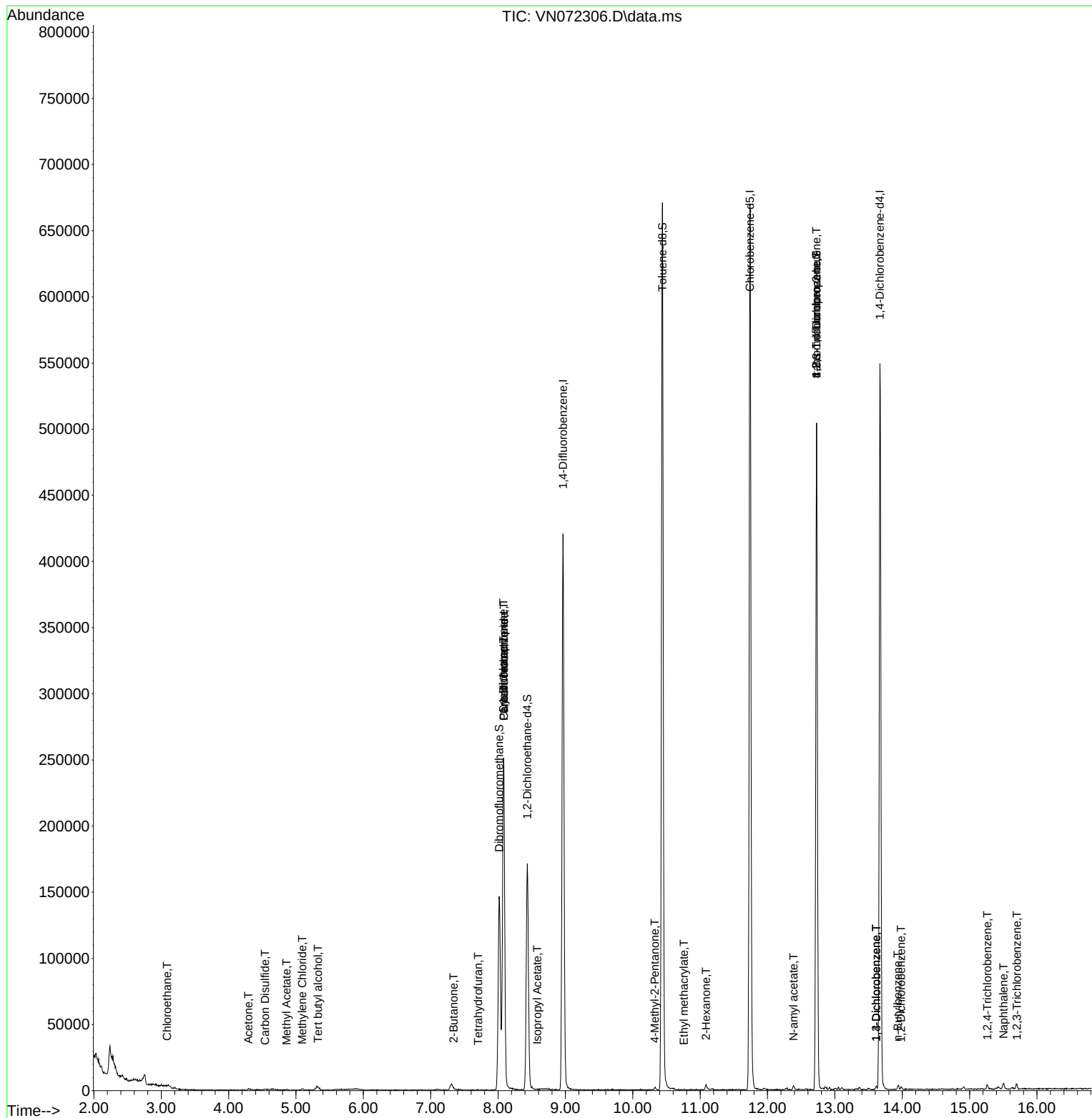
Internal Standards						
1) Pentafluorobenzene	8.086	168	177438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	347054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	371698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	140744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	144112	52.903	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.800%			
35) Dibromofluoromethane	8.016	113	109600	49.340	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.680%			
50) Toluene-d8	10.439	98	452320	51.821	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.640%			
62) 4-Bromofluorobenzene	12.727	95	173078	59.740	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 119.480%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	1100	Below Cal	#	43
5) Bromomethane	2.840	94	63	Below Cal	#	2
6) Chloroethane	3.087	64	3960	1.914	ug/l #	42
11) Tert butyl alcohol	5.328	59	2597	5.801	ug/l #	72
16) Acetone	4.293	43	1370	1.166	ug/l #	76
17) Carbon Disulfide	4.540	76	549	0.500	ug/l #	75
18) Methyl Acetate	4.857	43	860	0.222	ug/l #	48
20) Methylene Chloride	5.093	84	486	0.216	ug/l #	37
25) 2-Butanone	7.339	43	909	0.486	ug/l #	47
29) Tetrahydrofuran	7.704	42	311	0.253	ug/l #	42
31) Cyclohexane	8.081	56	4390	1.206	ug/l #	55
36) 1,1-Dichloropropene	8.081	75	17080	5.283	ug/l #	49
38) Carbon Tetrachloride	8.086	117	19756	5.705	ug/l #	16
43) Isopropyl Acetate	8.581	43	212	0.832	ug/l #	53
51) 4-Methyl-2-Pentanone	10.328	43	1793	0.443	ug/l #	76
56) Ethyl methacrylate	10.757	69	201	2.409	ug/l #	63
59) 2-Hexanone	11.086	43	3793	1.329	ug/l	82
74) N-amyl acetate	12.386	43	2133	0.458	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.821	83	408	Below Cal		94
76) 1,2,3-Trichloropropane	12.727	75	93025	29.430	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	93025	76.423	ug/l #	10
87) 1,3-Dichlorobenzene	13.616	146	958	0.201	ug/l	92
88) 1,4-Dichlorobenzene	13.616	146	958	0.207	ug/l	94
89) n-Butylbenzene	13.933	91	2738	0.387	ug/l	86
91) 1,2-Dichlorobenzene	13.980	146	1056	0.225	ug/l	94
93) 1,2,4-Trichlorobenzene	15.262	180	1444	3.054	ug/l	90
95) Naphthalene	15.504	128	5288	4.962	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.704	180	1339	3.260	ug/l	85

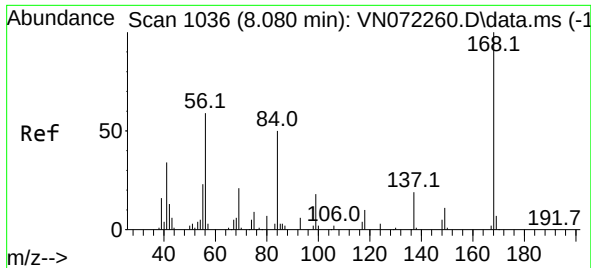
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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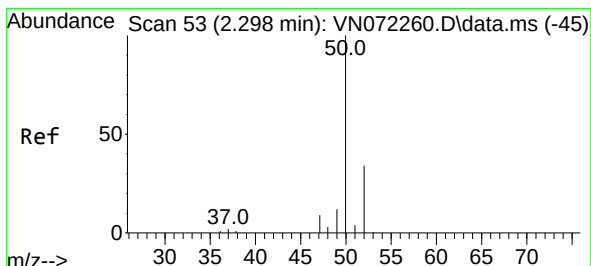
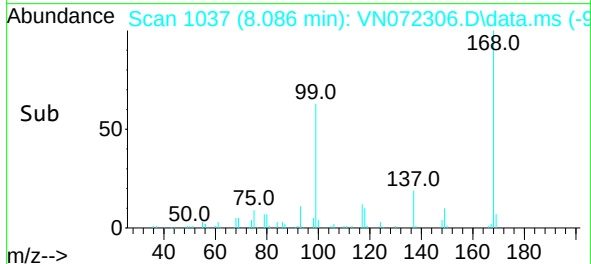
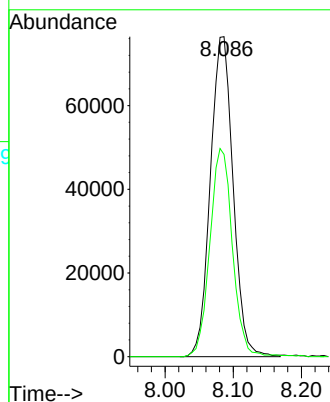
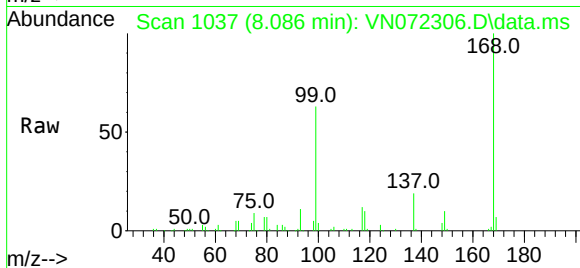




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1036
Delta R.T. 0.005 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

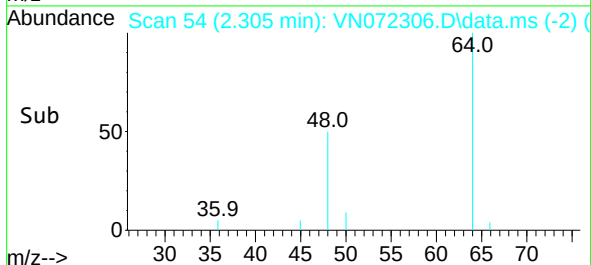
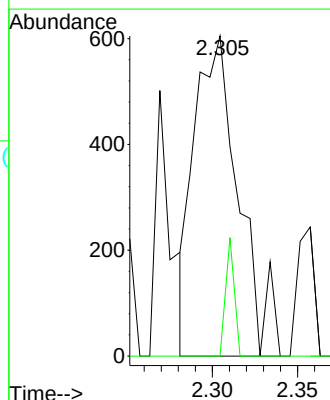
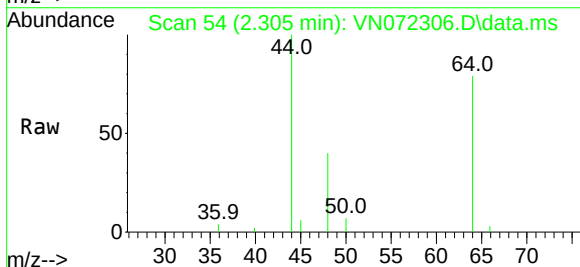
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBL01

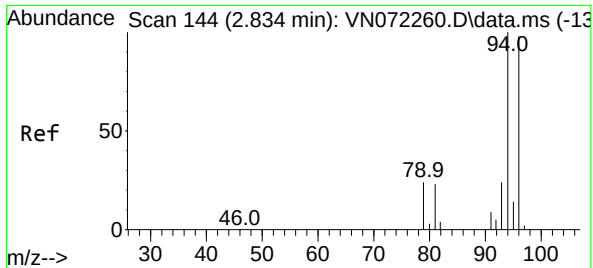
Tgt Ion:168 Resp: 177438
Ion Ratio Lower Upper
168 100
99 63.2 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

Tgt Ion: 50 Resp: 1100
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

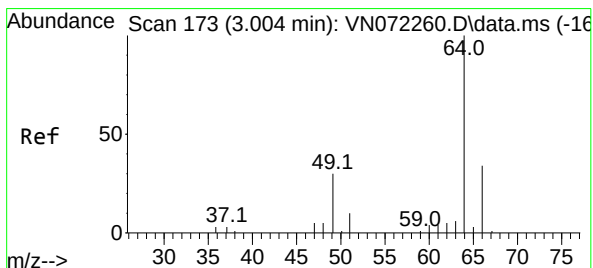
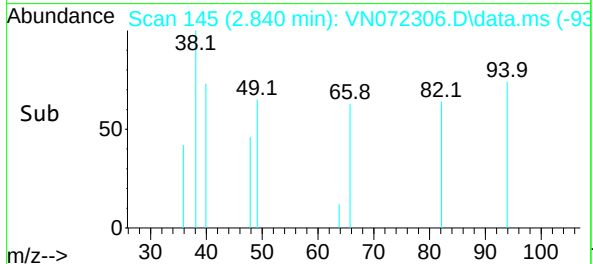
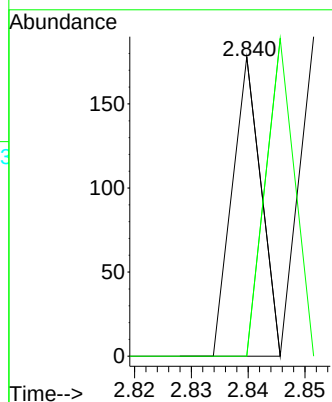
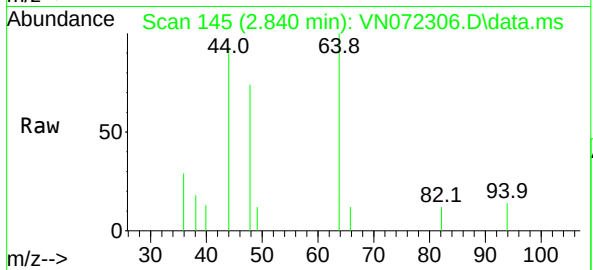




#5
Bromomethane
Concen: Below Cal
RT: 2.840 min Scan# 144
Delta R.T. 0.006 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

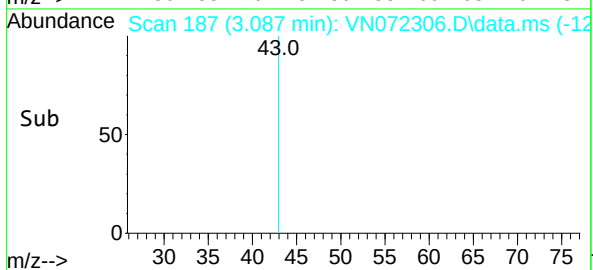
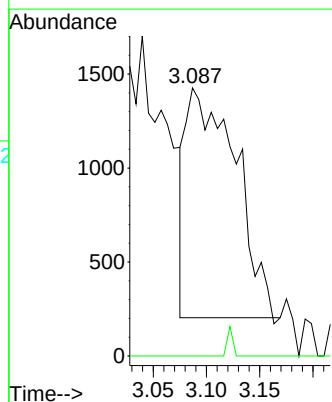
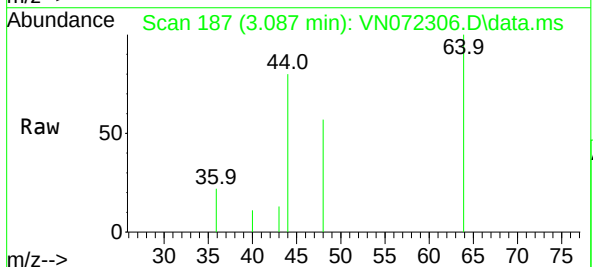
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBL01

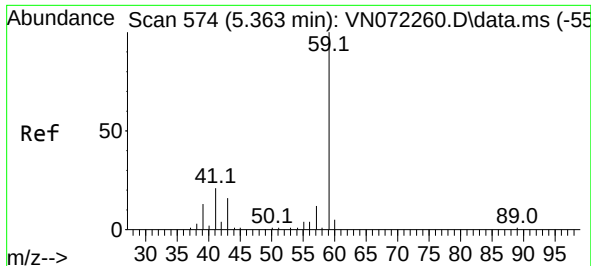
Tgt Ion: 94 Resp: 63
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 1.914 ug/l
RT: 3.087 min Scan# 187
Delta R.T. 0.082 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

Tgt Ion: 64 Resp: 3960
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

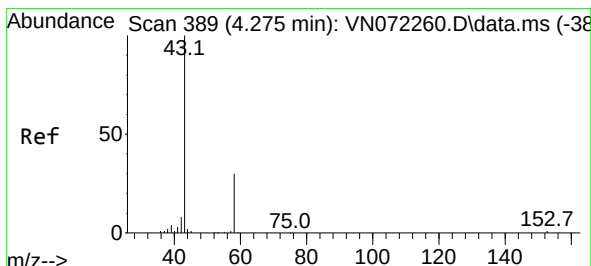
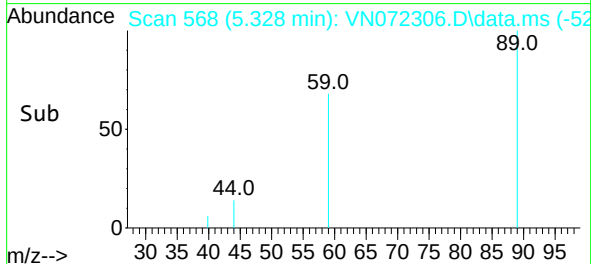
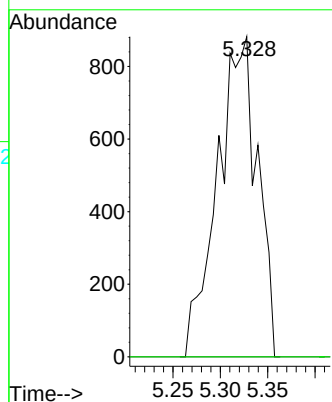
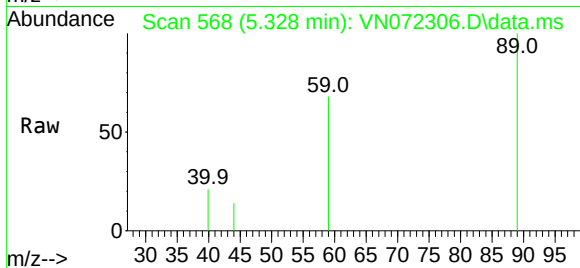




#11
Tert butyl alcohol
Concen: 5.801 ug/l
RT: 5.328 min Scan# 51
Delta R.T. -0.035 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

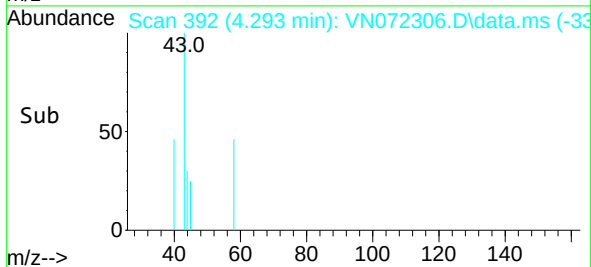
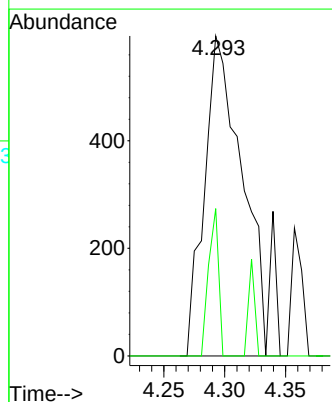
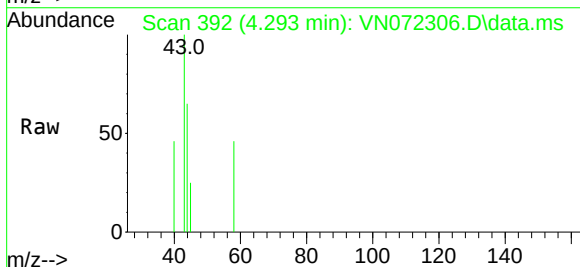
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBL01

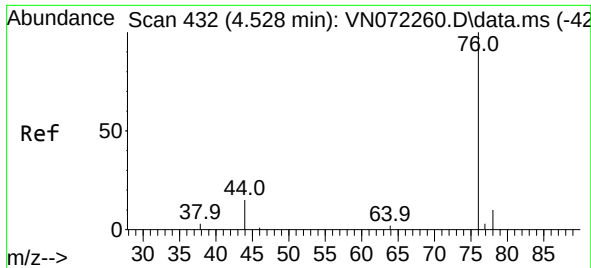
Tgt Ion: 59 Resp: 2597
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.166 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

Tgt Ion: 43 Resp: 1370
Ion Ratio Lower Upper
43 100
58 46.1 26.0 39.0#

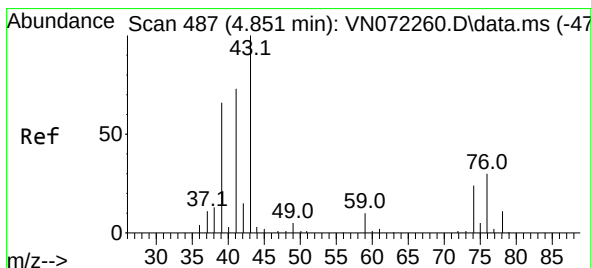
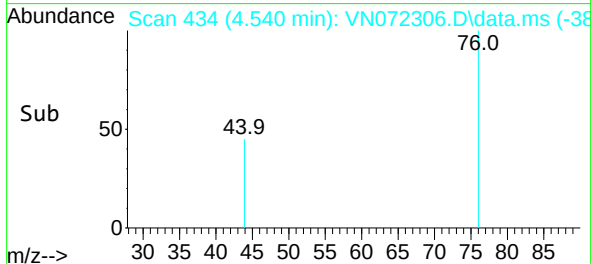
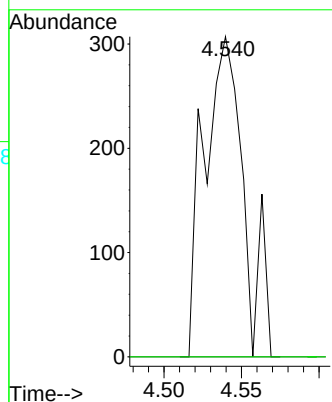
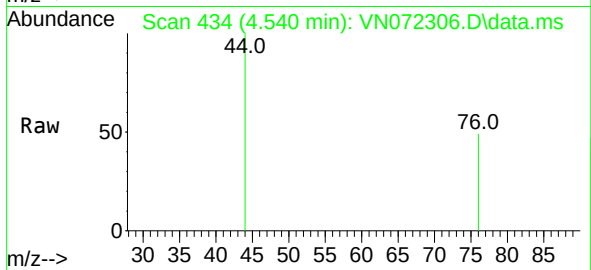




#17
Carbon Disulfide
Concen: 0.500 ug/l
RT: 4.540 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

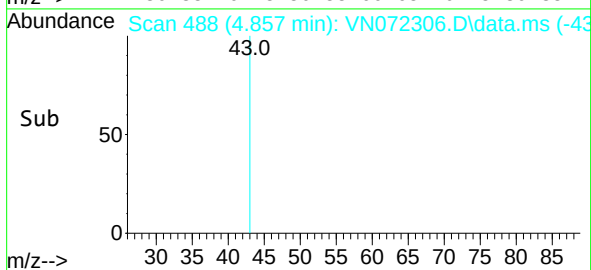
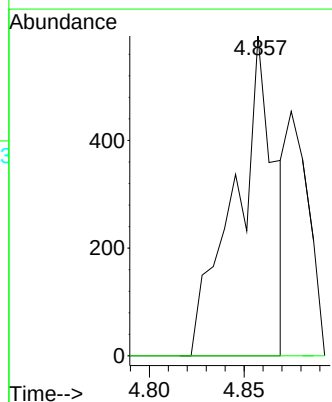
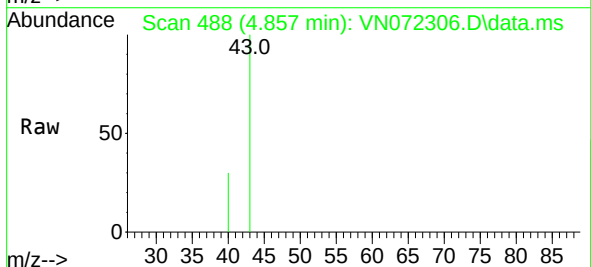
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBL01

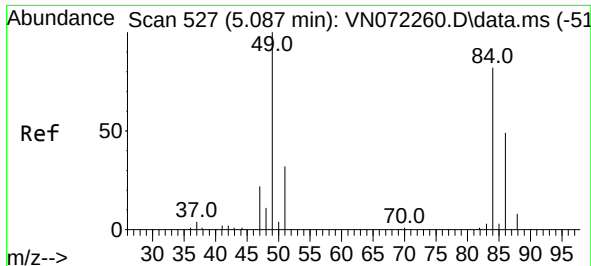
Tgt Ion: 76 Resp: 549
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.222 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

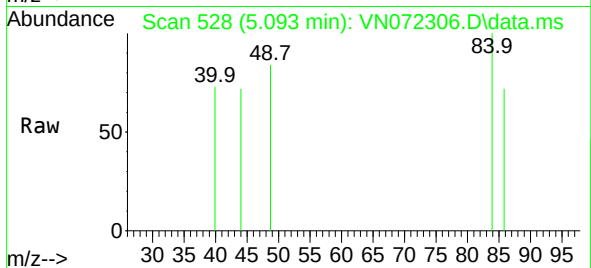
Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



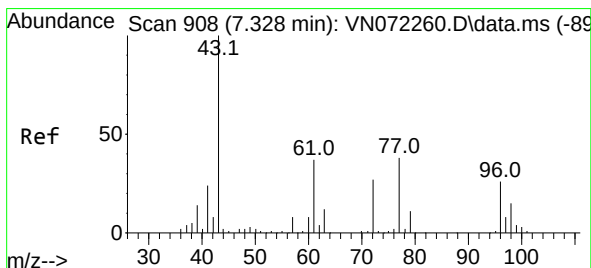
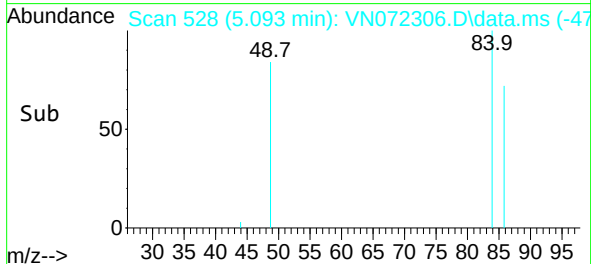
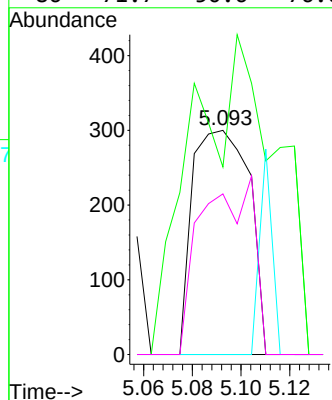


#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 5.093 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

Instrument :
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ClientSampleId :
VN0503MBL01

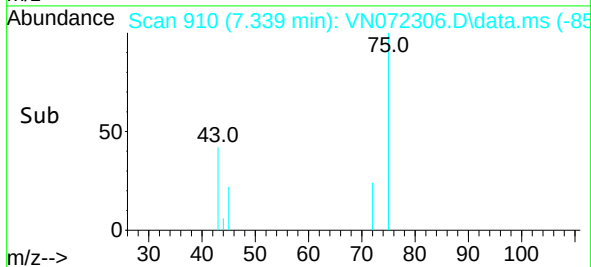
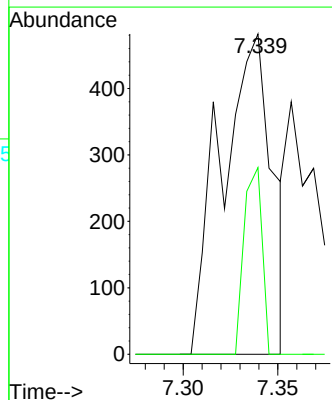
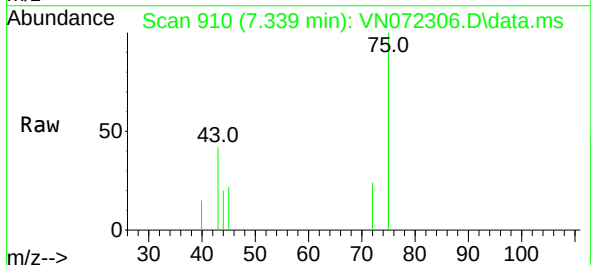


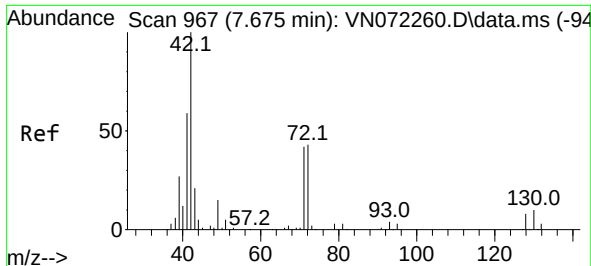
Tgt Ion: 84	Resp: 486
Ion Ratio	Lower Upper
84 100	
49 11.3	88.3 132.5#
51 0.0	28.2 42.2#
86 71.7	50.6 76.0



#25
2-Butanone
Concen: 0.486 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

Tgt Ion: 43	Resp: 909
Ion Ratio	Lower Upper
43 100	
72 58.3	23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.253 ug/l

RT: 7.704 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN072306.D

Acq: 03 May 2022 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBL01

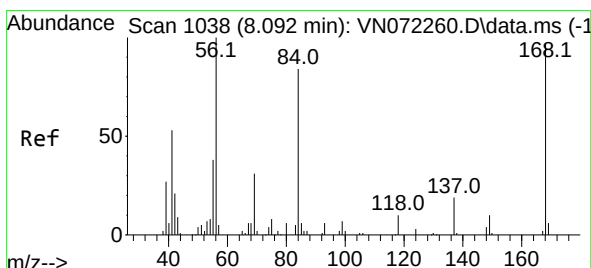
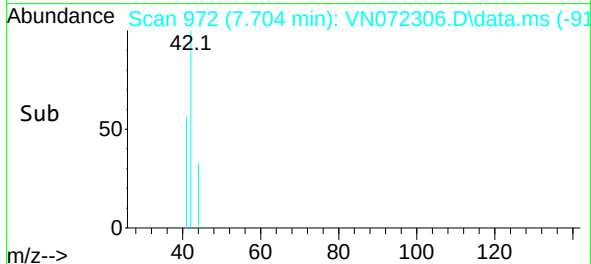
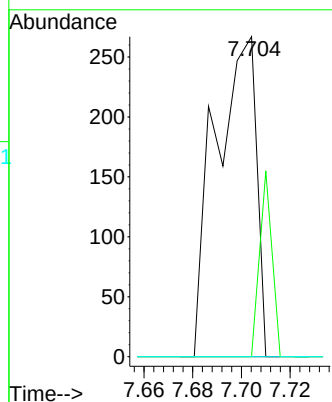
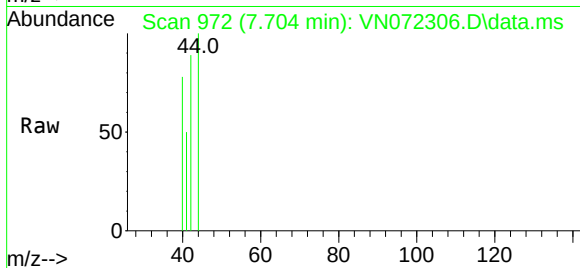
Tgt Ion: 42 Resp: 311

Ion Ratio Lower Upper

42 100

72 17.7 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072306.D

Acq: 03 May 2022 15:50

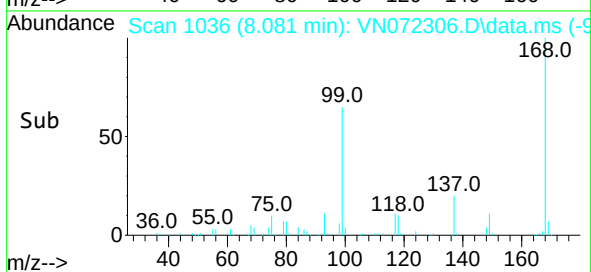
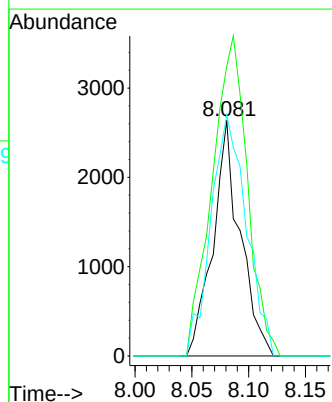
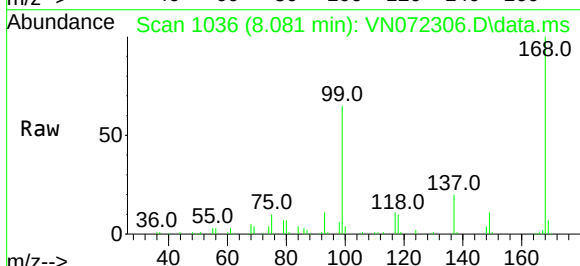
Tgt Ion: 56 Resp: 4390

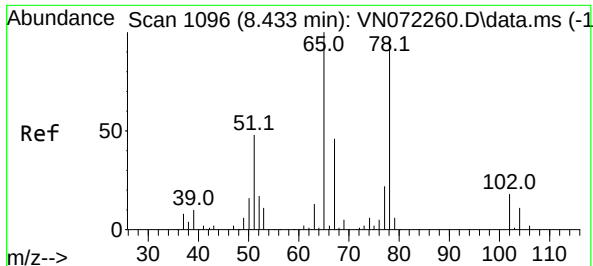
Ion Ratio Lower Upper

56 100

69 123.0 27.8 41.8#

84 102.4 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 52.903 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072306.D

Acq: 03 May 2022 15:50

Instrument :

MSVOA_N

ClientSampleId :

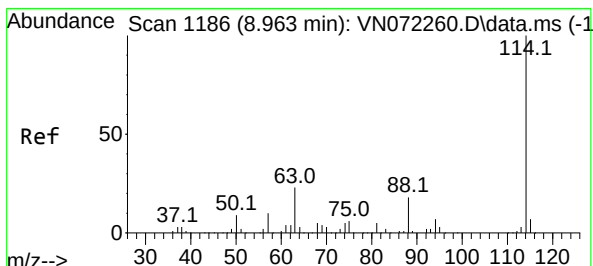
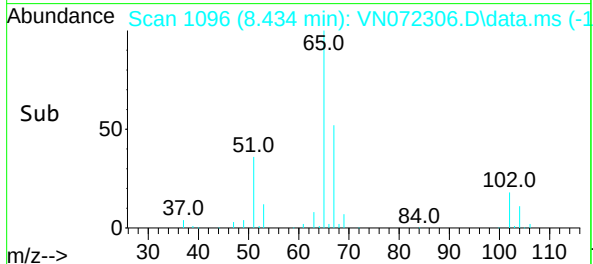
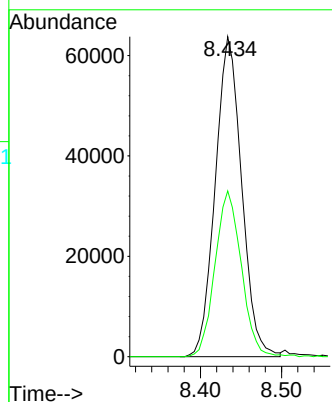
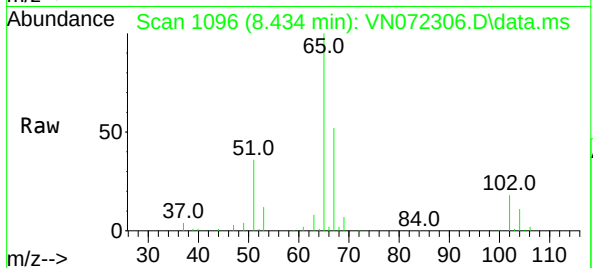
VN0503MBL01

Tgt Ion: 65 Resp: 144112

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072306.D

Acq: 03 May 2022 15:50

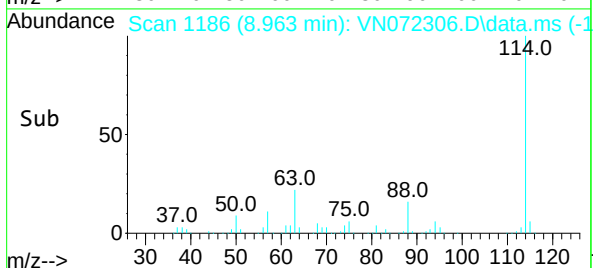
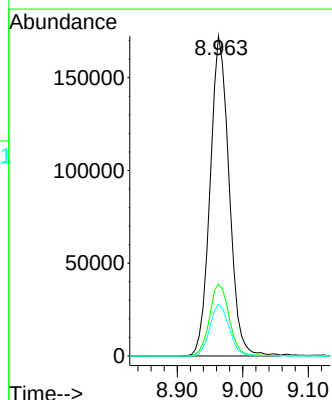
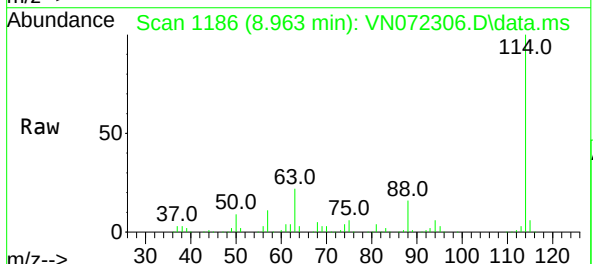
Tgt Ion: 114 Resp: 347054

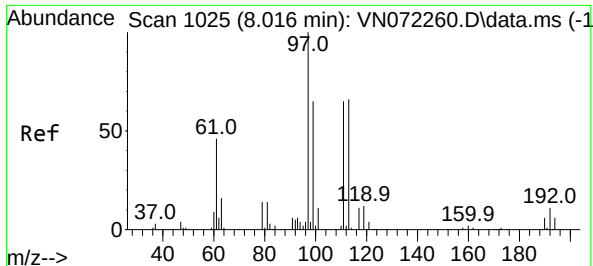
Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.0

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.340 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072306.D

Acq: 03 May 2022 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN0503MBL01

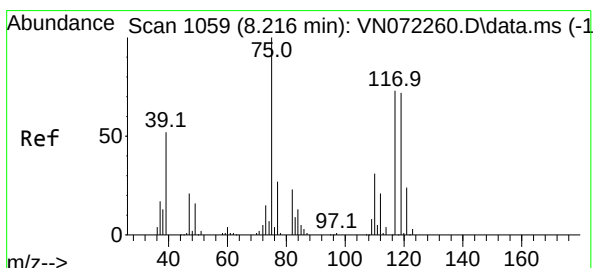
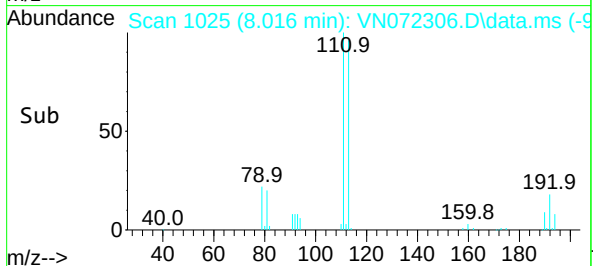
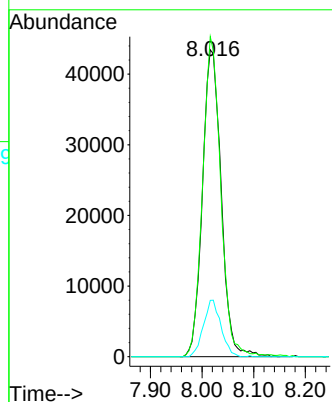
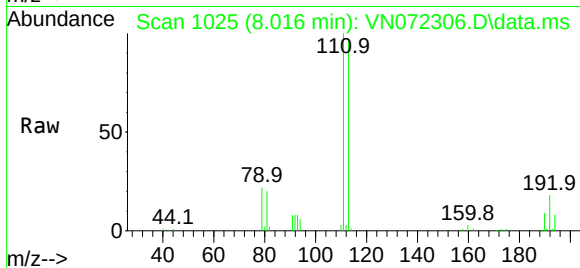
Tgt Ion:113 Resp: 109600

Ion Ratio Lower Upper

113 100

111 100.7 81.4 122.0

192 17.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.283 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072306.D

Acq: 03 May 2022 15:50

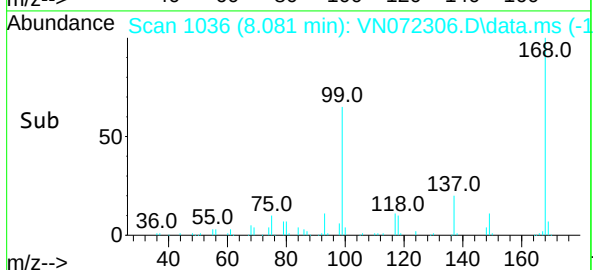
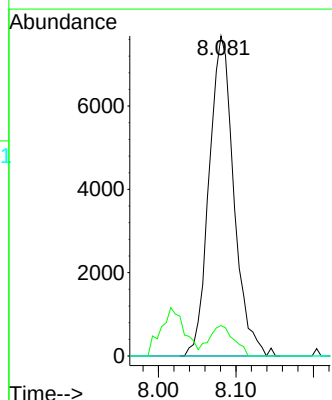
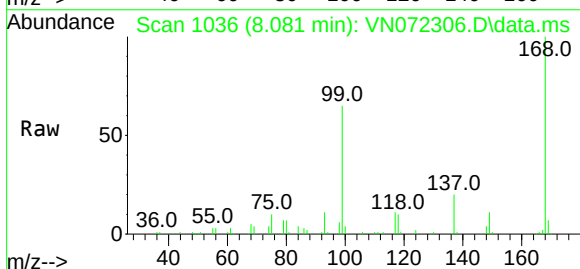
Tgt Ion: 75 Resp: 17080

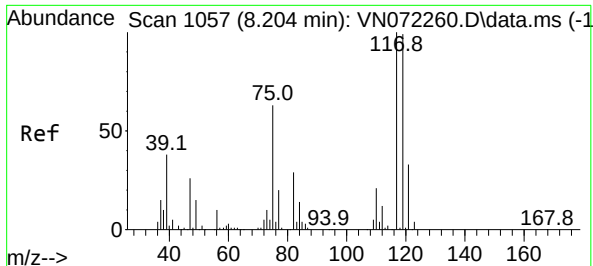
Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.705 ug/l

RT: 8.086 min Scan# 110

Delta R.T. -0.118 min

Lab File: VN072306.D

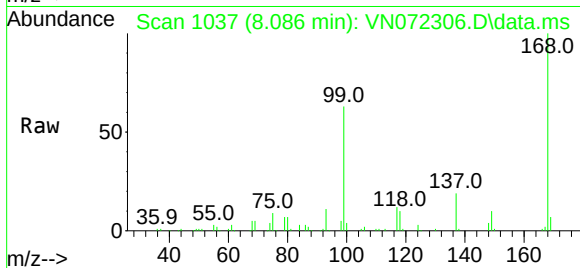
Acq: 03 May 2022 15:50

Instrument :

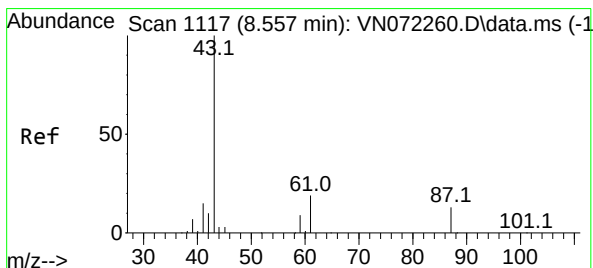
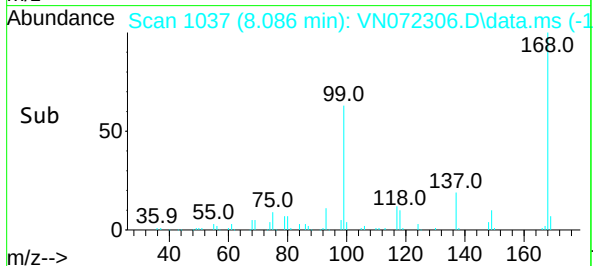
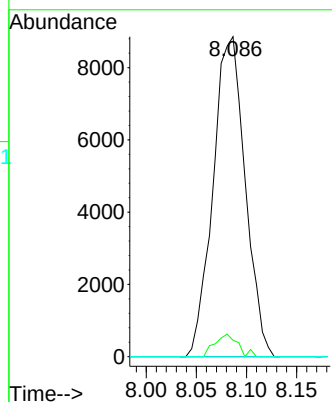
MSVOA_N

ClientSampleId :

VN0503MBL01



Tgt Ion:	117	Resp:	19756
Ion	Ratio	Lower	Upper
117	100		
119	5.1	75.8	113.8#
121	0.0	24.6	37.0#



#43

Isopropyl Acetate

Concen: 0.832 ug/l

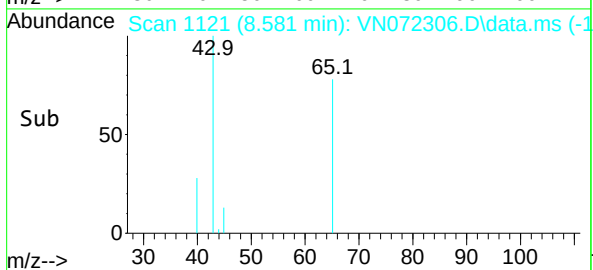
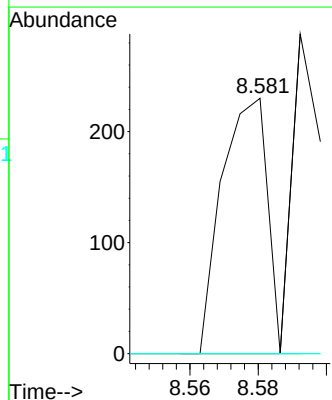
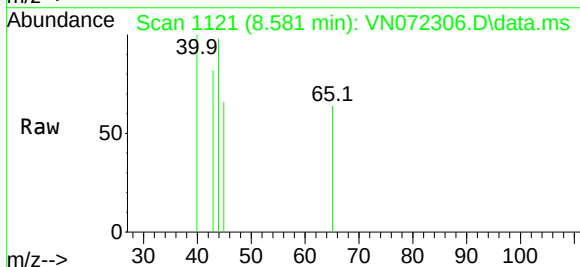
RT: 8.581 min Scan# 1121

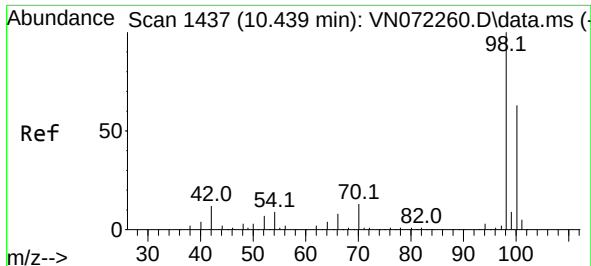
Delta R.T. 0.024 min

Lab File: VN072306.D

Acq: 03 May 2022 15:50

Tgt Ion:	43	Resp:	212
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.9	32.9#
87	0.0	12.0	18.0#

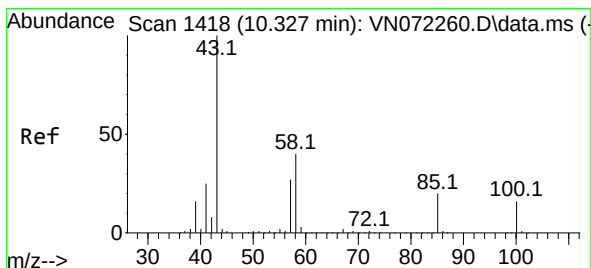
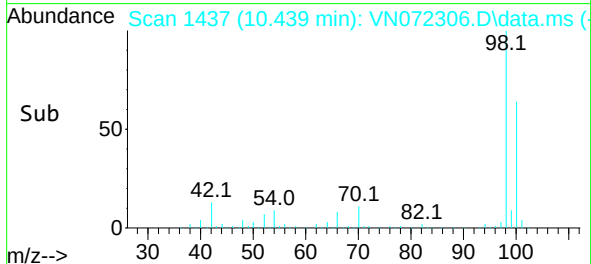
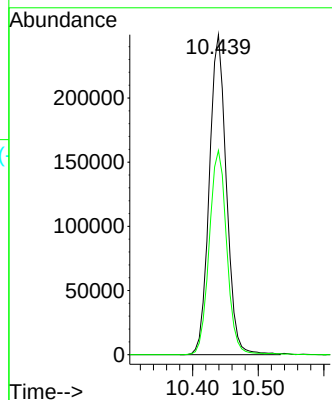
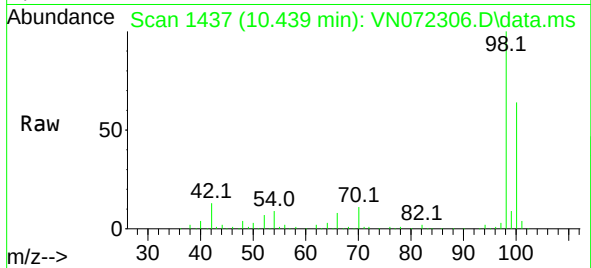




#50
Toluene-d8
Concen: 51.821 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

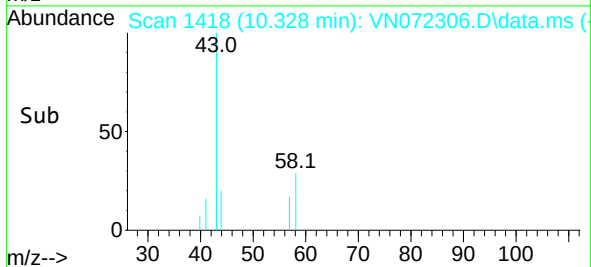
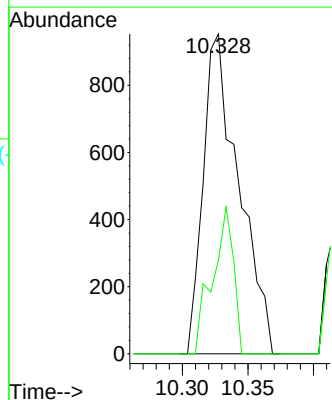
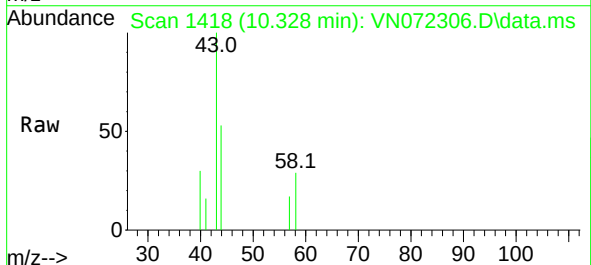
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBL01

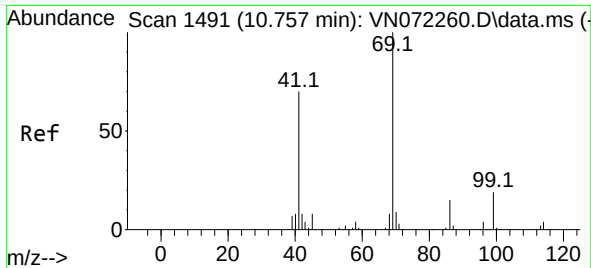
Tgt Ion: 98 Resp: 452320
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.443 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

Tgt Ion: 43 Resp: 1793
Ion Ratio Lower Upper
43 100
58 27.2 34.1 51.1#

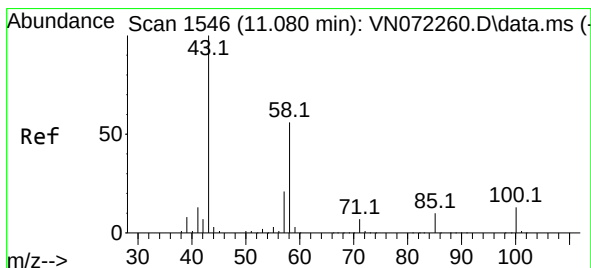
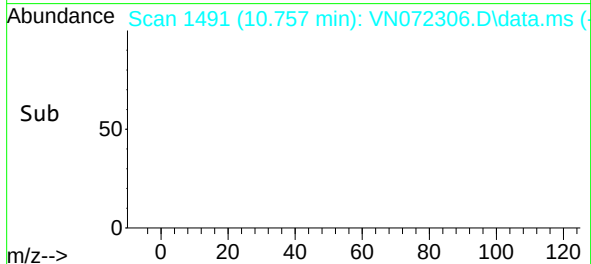
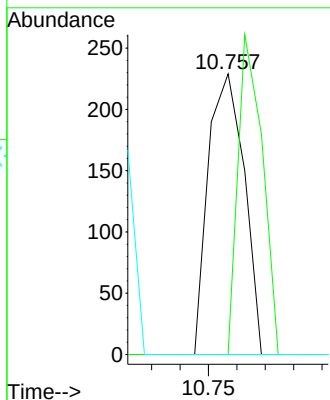
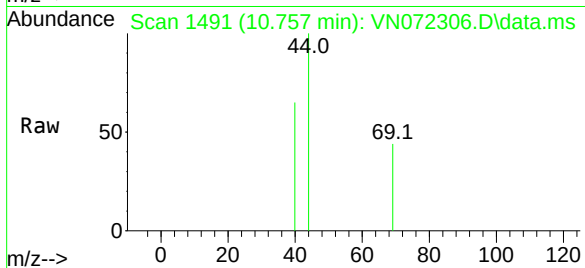




#56
Ethyl methacrylate
Concen: 2.409 ug/l
RT: 10.757 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

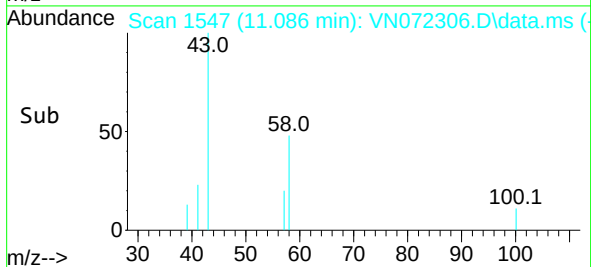
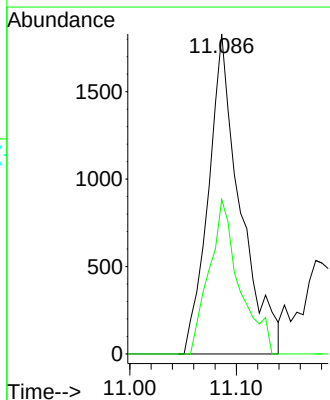
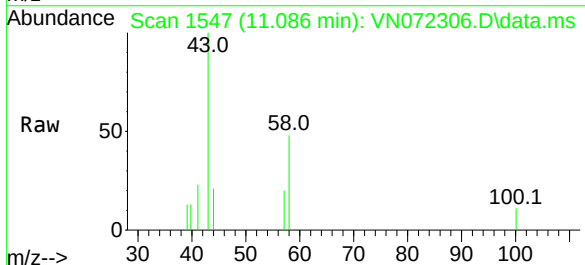
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBL01

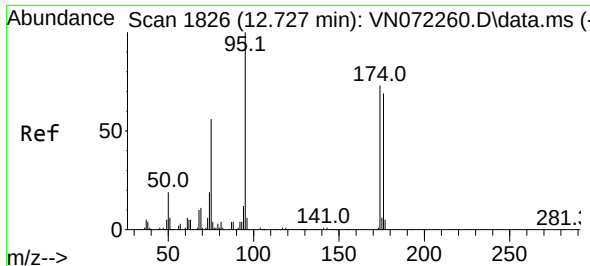
Tgt Ion: 69 Resp: 201
Ion Ratio Lower Upper
69 100
41 77.6 47.8 71.6#
39 0.0 27.3 40.9#



#59
2-Hexanone
Concen: 1.329 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

Tgt Ion: 43 Resp: 3793
Ion Ratio Lower Upper
43 100
58 46.0 29.7 89.1

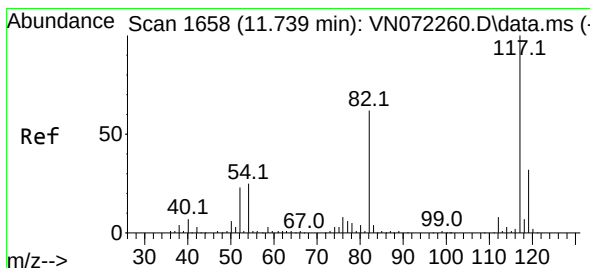
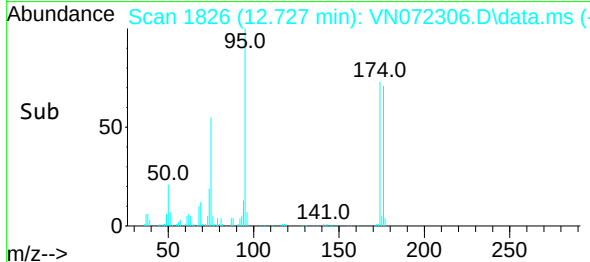
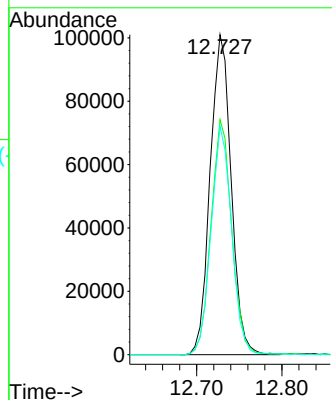
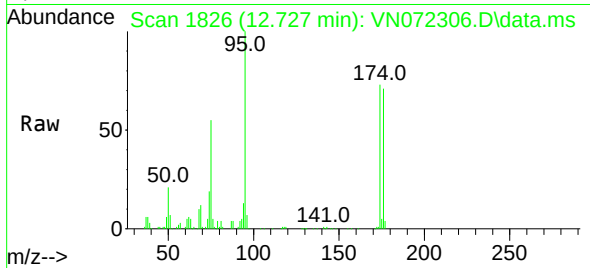




#62
4-Bromofluorobenzene
Concen: 59.740 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

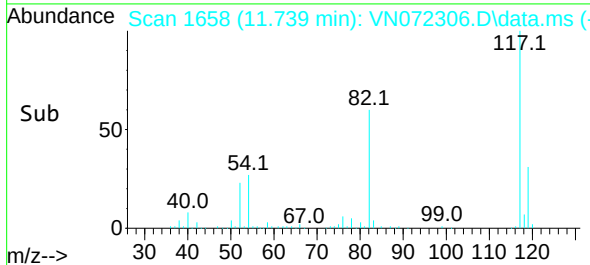
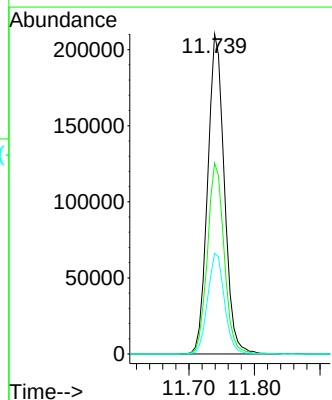
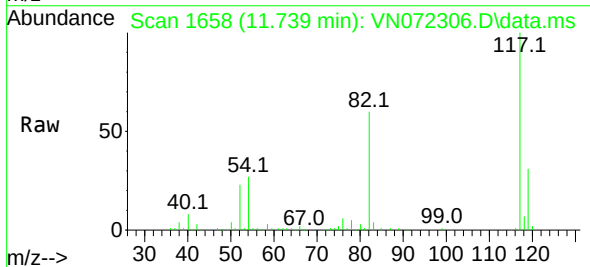
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBL01

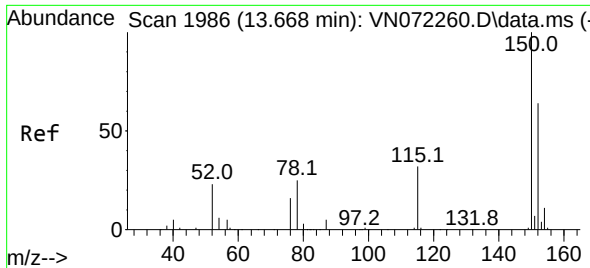
Tgt Ion: 95 Resp: 173078
Ion Ratio Lower Upper
95 100
174 72.3 0.0 167.6
176 69.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

Tgt Ion: 117 Resp: 371698
Ion Ratio Lower Upper
117 100
82 59.7 44.2 66.2
119 31.4 25.4 38.0

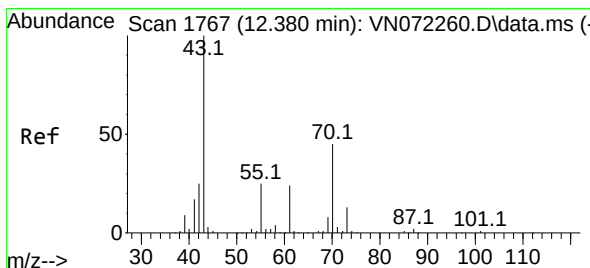
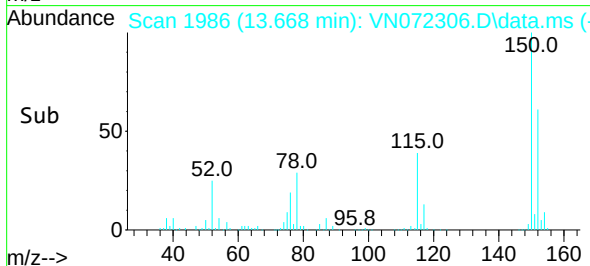
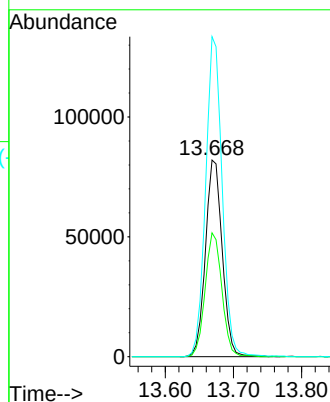
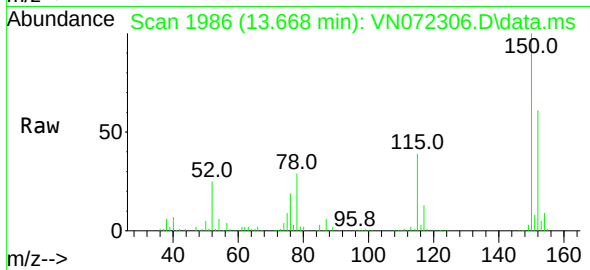




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072306.D
 Acq: 03 May 2022 15:50

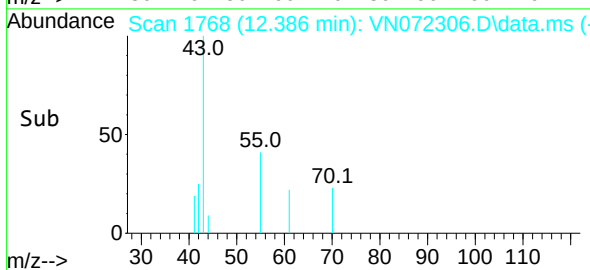
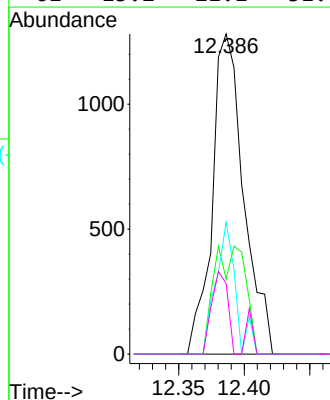
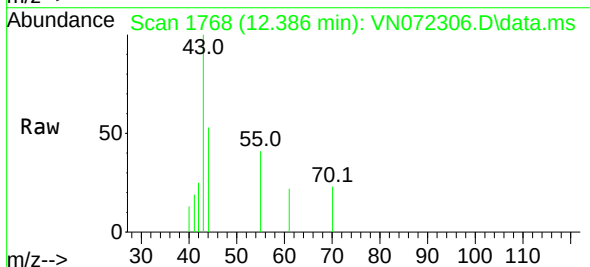
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0503MBL01

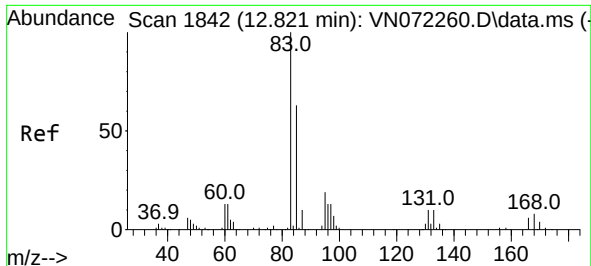
Tgt Ion:152 Resp: 140744
 Ion Ratio Lower Upper
 152 100
 115 62.8 28.9 86.7
 150 160.2 0.0 356.2



#74
 N-ethyl acetate
 Concen: 0.458 ug/l
 RT: 12.386 min Scan# 1768
 Delta R.T. 0.006 min
 Lab File: VN072306.D
 Acq: 03 May 2022 15:50

Tgt Ion: 43 Resp: 2133
 Ion Ratio Lower Upper
 43 100
 70 33.6 39.0 58.4#
 55 25.8 21.1 31.7
 61 13.2 21.1 31.7#

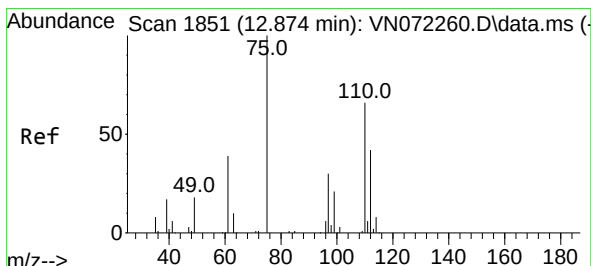
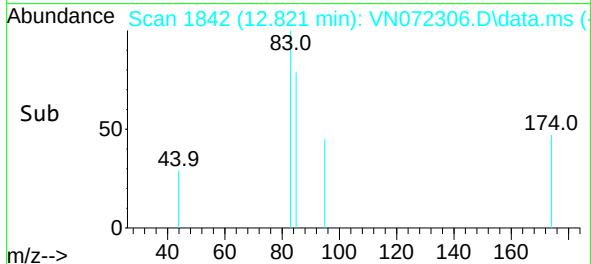
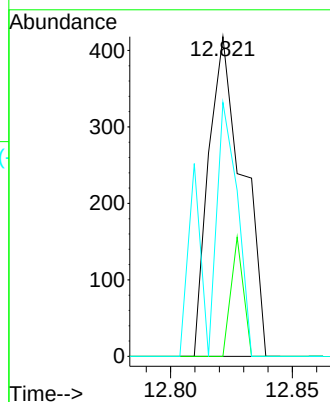
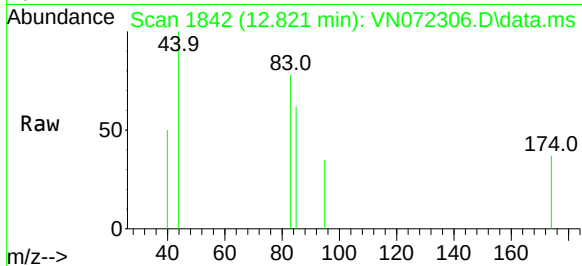




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.821 min Scan# 1842
Delta R.T. -0.001 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

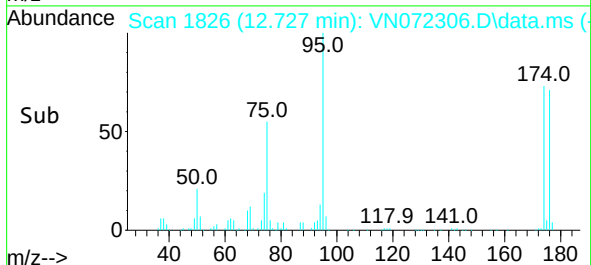
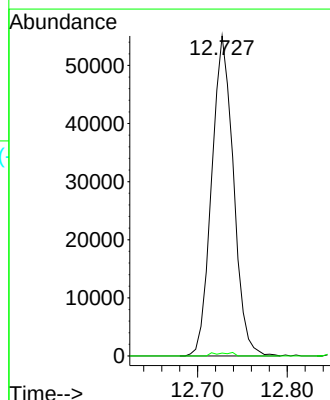
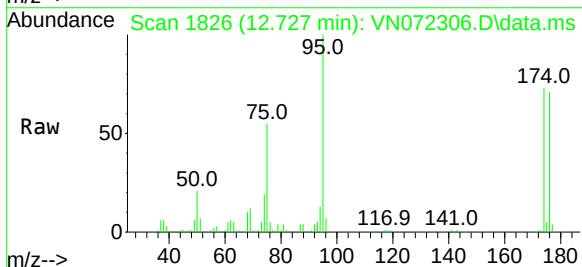
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBL01

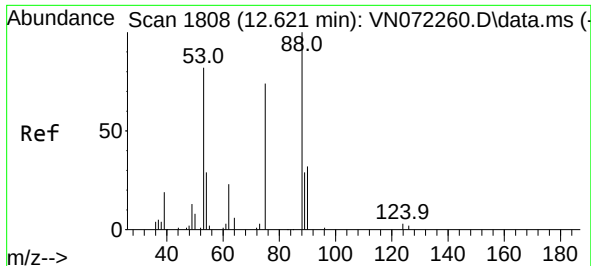
Tgt Ion: 83 Resp: 408
Ion Ratio Lower Upper
83 100
131 13.5 5.3 15.9
85 69.4 32.3 96.9



#76
1,2,3-Trichloropropane
Concen: 29.430 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

Tgt Ion: 75 Resp: 93025
Ion Ratio Lower Upper
75 100
77 0.9 98.5 295.5#

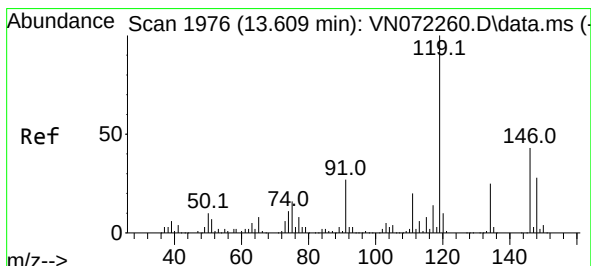
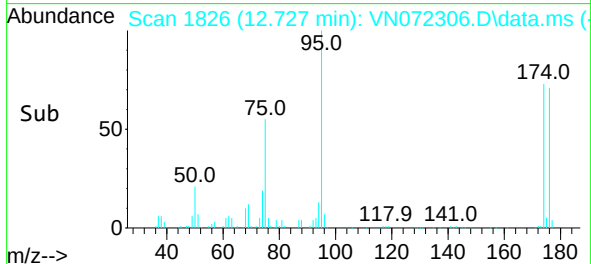
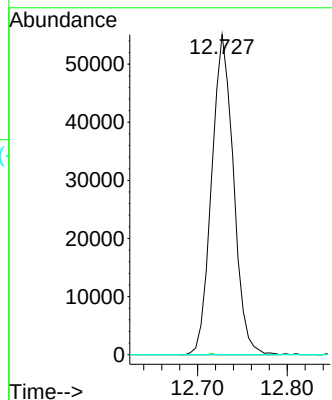
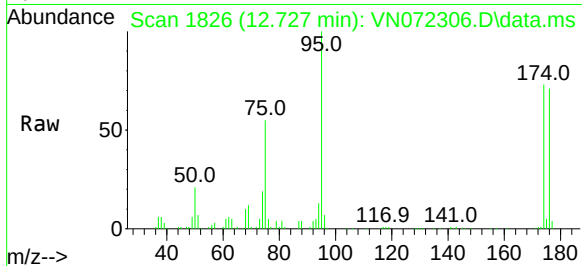




#81
trans-1,4-Dichloro-2-butene
Concen: 76.423 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

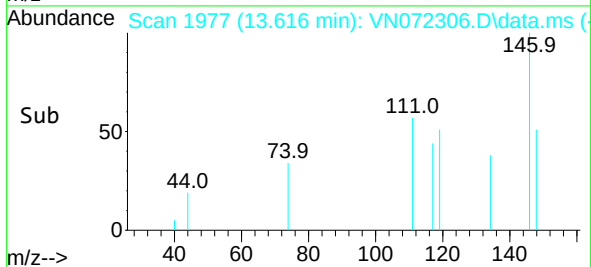
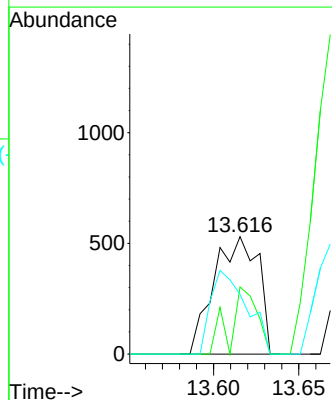
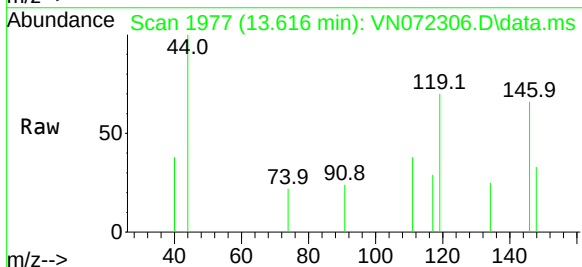
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBL01

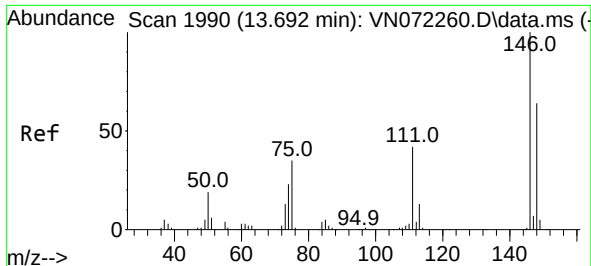
Tgt Ion: 75 Resp: 93025
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#87
1,3-Dichlorobenzene
Concen: 0.201 ug/l
RT: 13.616 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

Tgt Ion:146 Resp: 958
Ion Ratio Lower Upper
146 100
111 34.4 20.0 60.0
148 58.0 32.0 96.0

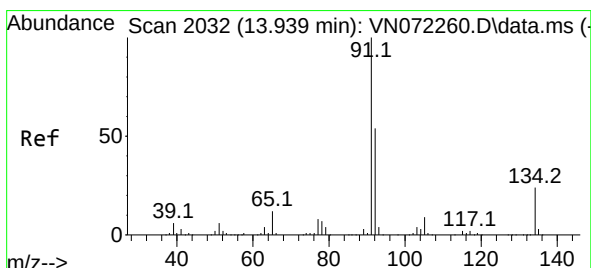
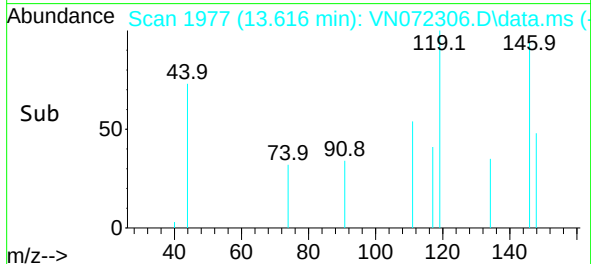
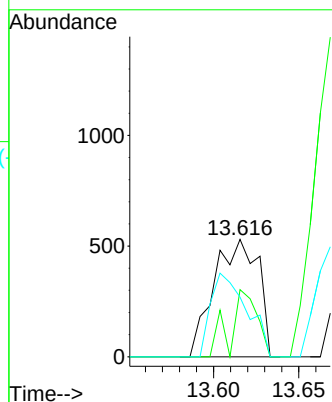
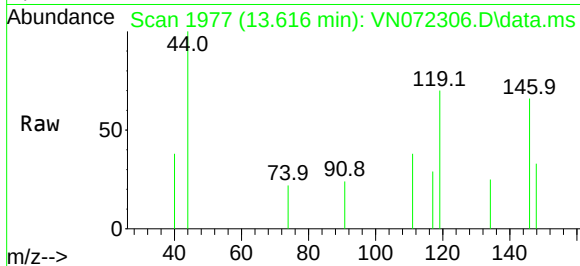




#88
1,4-Dichlorobenzene
Concen: 0.207 ug/l
RT: 13.616 min Scan# 1990
Delta R.T. -0.076 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

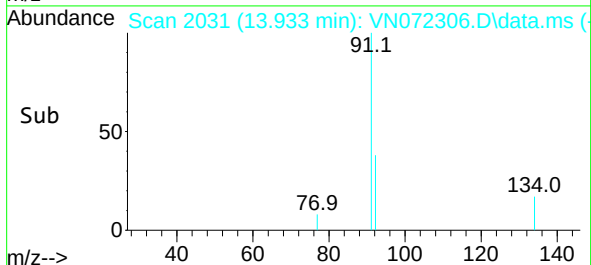
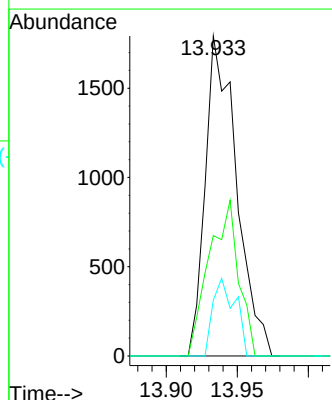
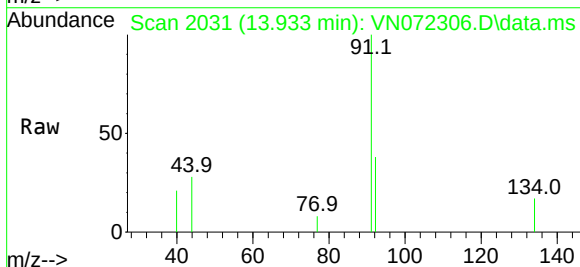
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBL01

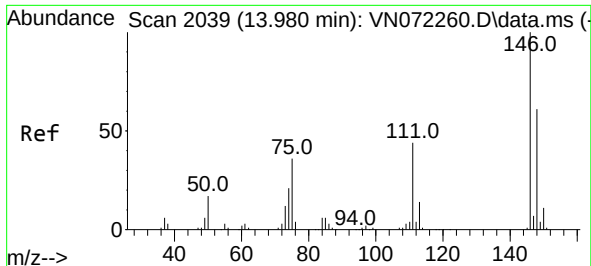
Tgt Ion:146 Resp: 958
Ion Ratio Lower Upper
146 100
111 34.4 19.1 57.1
148 58.0 31.4 94.3



#89
n-Butylbenzene
Concen: 0.387 ug/l
RT: 13.933 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

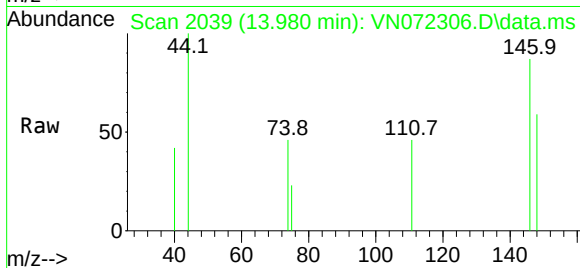
Tgt Ion: 91 Resp: 2738
Ion Ratio Lower Upper
91 100
92 46.0 26.9 80.7
134 17.3 13.6 40.8



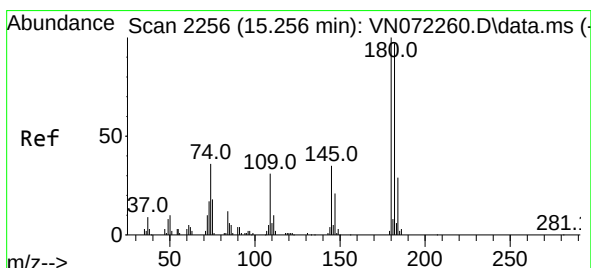
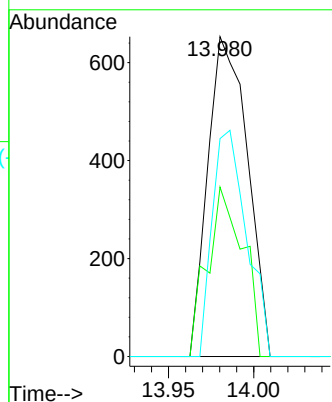
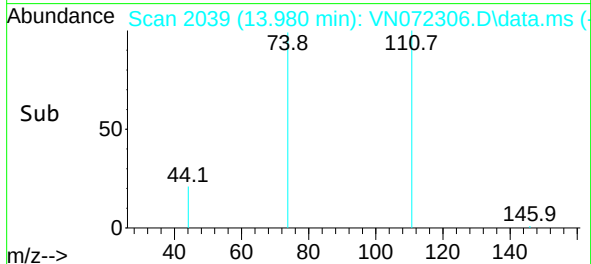


#91
1,2-Dichlorobenzene
Concen: 0.225 ug/l
RT: 13.980 min Scan# 2039
Delta R.T. -0.006 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50

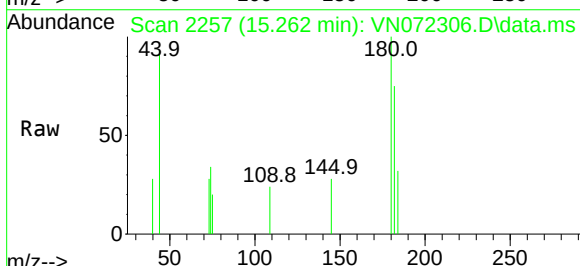
Instrument :
MSVOA_N
ClientSampleId :
VN0503MBL01



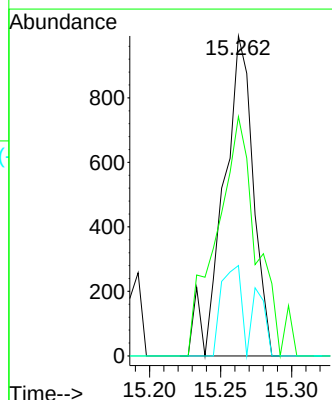
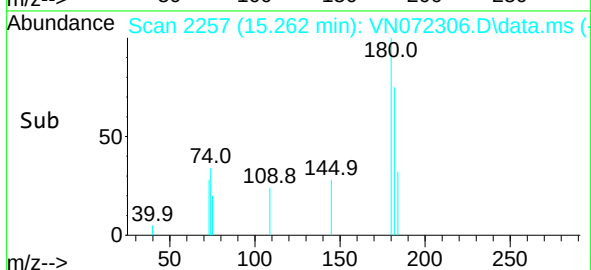
Tgt Ion:146	Resp:	1056
Ion	Ratio	Lower Upper
146	100	
111	47.7	20.9 62.8
148	61.4	32.1 96.3

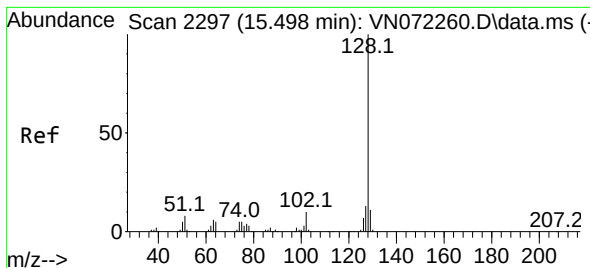


#93
1,2,4-Trichlorobenzene
Concen: 3.054 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN072306.D
Acq: 03 May 2022 15:50



Tgt Ion:180	Resp:	1444
Ion	Ratio	Lower Upper
180	100	
182	102.1	47.5 142.5
145	18.8	14.5 43.5





#95

Naphthalene

Concen: 4.962 ug/l

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN072306.D

Acq: 03 May 2022 15:50

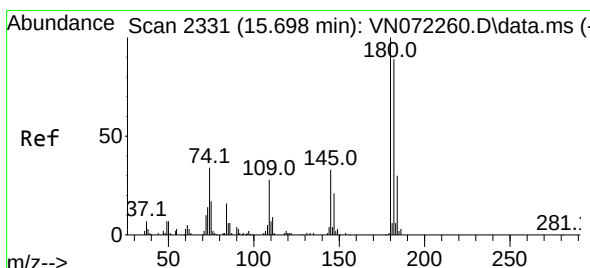
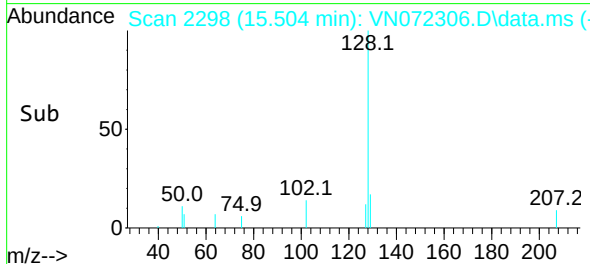
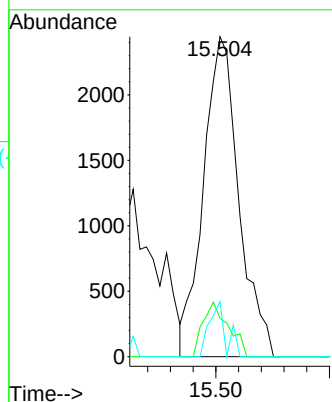
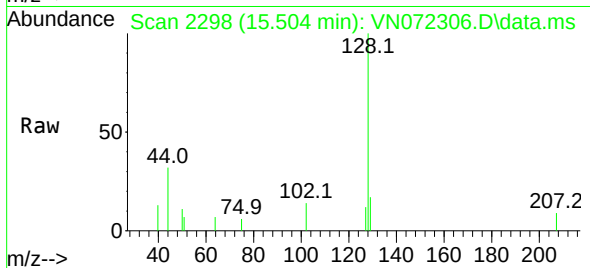
Instrument :

MSVOA_N

ClientSampleId :

VN0503MBL01

Tgt Ion:128	Resp:	5288
Ion Ratio	Lower	Upper
128	100	
127	12.3	10.3 15.5
129	8.0	8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 3.260 ug/l

RT: 15.704 min Scan# 2332

Delta R.T. 0.012 min

Lab File: VN072306.D

Acq: 03 May 2022 15:50

Tgt Ion:180	Resp:	1339
Ion Ratio	Lower	Upper
180	100	
182	113.1	47.8 143.3
145	34.1	15.5 46.5

