

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062122\
 Data File : VN073012.D
 Acq On : 22 Jun 2022 08:31
 Operator : JC\MD
 Sample : N3384-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

Quant Time: Jun 22 09:17:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

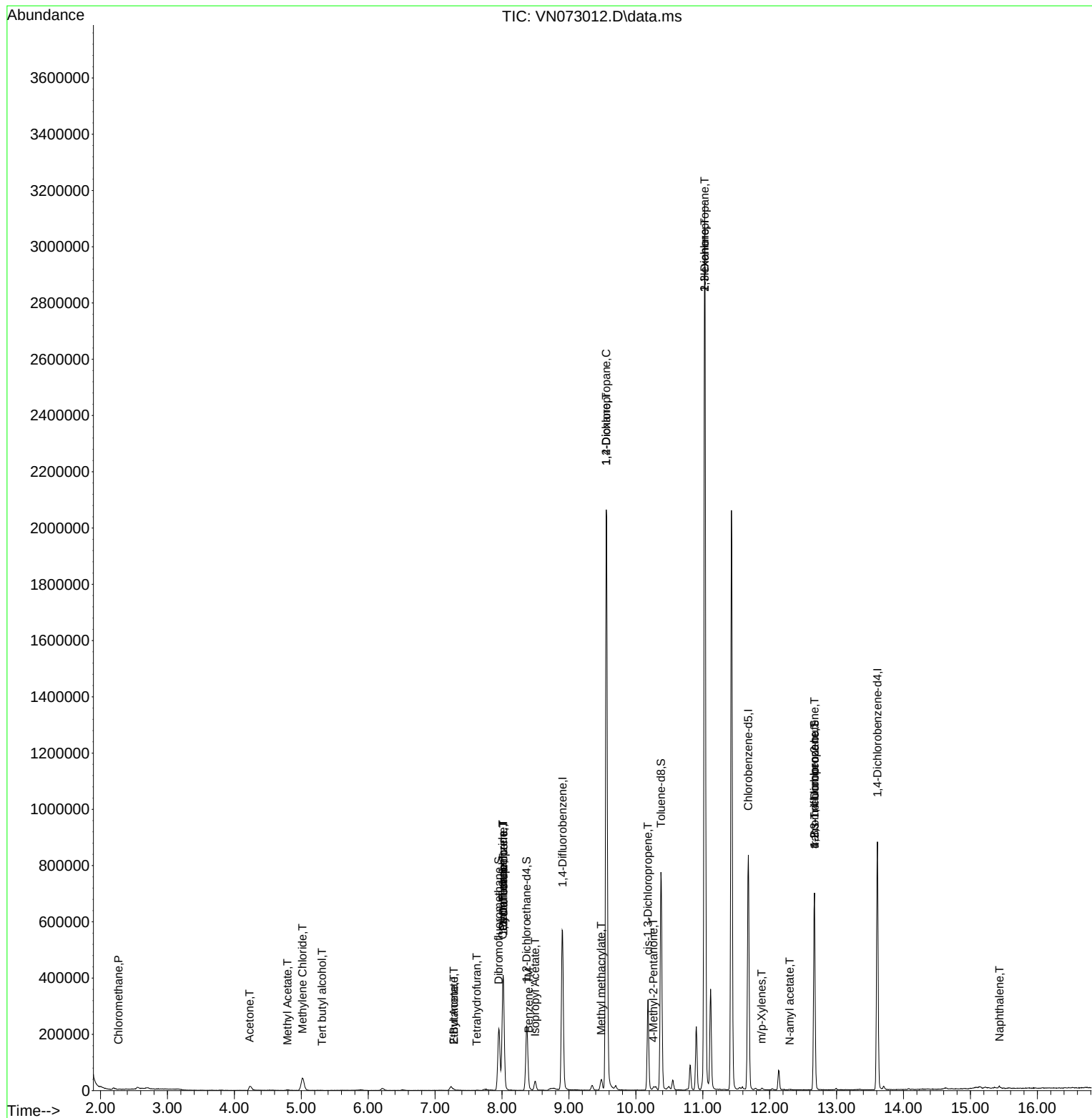
Internal Standards						
1) Pentafluorobenzene	8.016	168	313937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	509389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	481454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	235990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	192304	45.308	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.620%
35) Dibromofluoromethane	7.951	113	165640	52.609	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.220%
50) Toluene-d8	10.375	98	536933	45.831	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.660%
62) 4-Bromofluorobenzene	12.669	95	233749	55.486	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.980%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	247	0.645	ug/l #	59
11) Tert butyl alcohol	5.310	59	238	0.217	ug/l #	72
16) Acetone	4.228	43	29443	12.620	ug/l #	87
18) Methyl Acetate	4.793	43	4104	0.661	ug/l #	86
20) Methylene Chloride	5.016	84	34543	9.349	ug/l #	84
25) 2-Butanone	7.281	43	6922	1.870	ug/l	97
26) 2,2-Dichloropropane	7.234	77	933	Below Cal	#	53
29) Tetrahydrofuran	7.622	42	603	0.247	ug/l #	39
31) Cyclohexane	8.016	56	7152	1.246	ug/l #	30
36) 1,1-Dichloropropene	8.022	75	25353	5.951	ug/l #	50
37) Ethyl Acetate	7.281	43	6922	1.016	ug/l #	67
38) Carbon Tetrachloride	8.010	117	33072	7.380	ug/l #	16
40) Benzene	8.398	78	2744	0.205	ug/l	98
43) Isopropyl Acetate	8.492	43	38015	3.903	ug/l #	85
45) 1,2-Dichloropropane	9.557	63	2751	0.804	ug/l #	44
48) Methyl methacrylate	9.481	41	11639	2.617	ug/l #	10
49) 1,4-Dioxane	9.557	88	270	2.698	ug/l #	1
51) 4-Methyl-2-Pentanone	10.263	43	10016	1.577	ug/l #	83
54) cis-1,3-Dichloropropene	10.181	75	56192	10.401	ug/l #	64
57) 1,3-Dichloropropane	11.028	76	33661	5.621	ug/l #	42
59) 2-Hexanone	11.028	43	509341	103.674	ug/l #	44
68) m/p-Xylenes	11.880	106	2061	0.317	ug/l	91
74) N-amyl acetate	12.298	43	2353	0.248	ug/l #	40
76) 1,2,3-Trichloropropane	12.669	75	124452	21.751	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	124452	58.743	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.604	75	60	Below Cal	#	1
95) Naphthalene	15.433	128	6246	0.343	ug/l	97

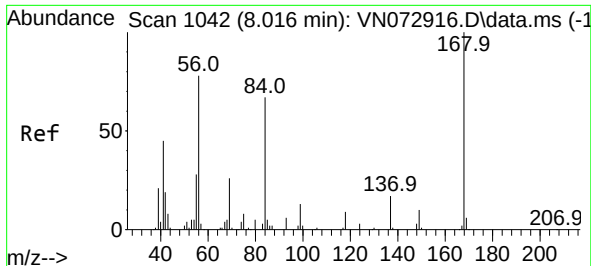
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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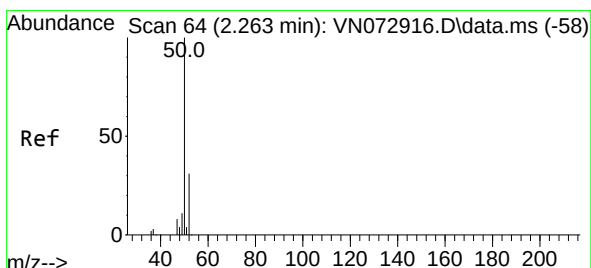
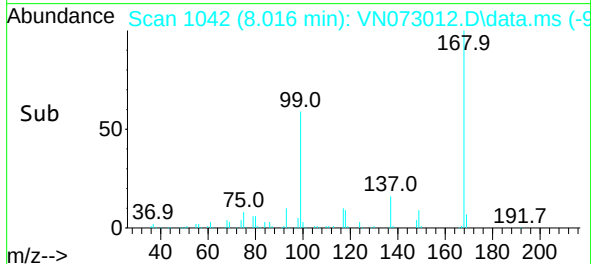
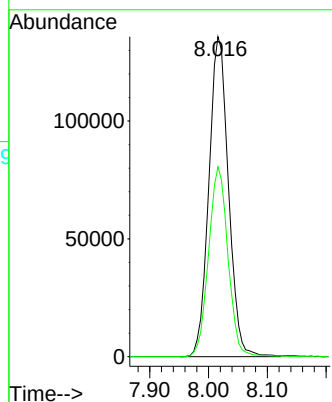
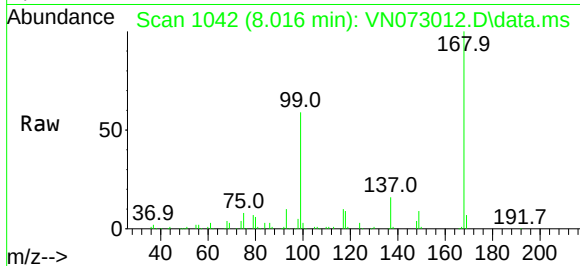




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

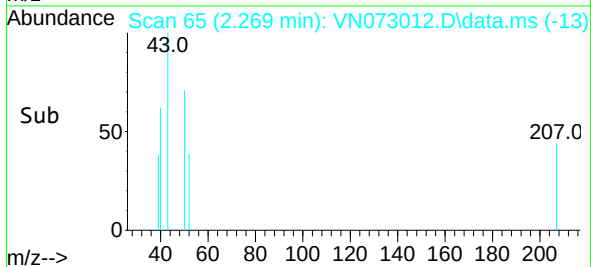
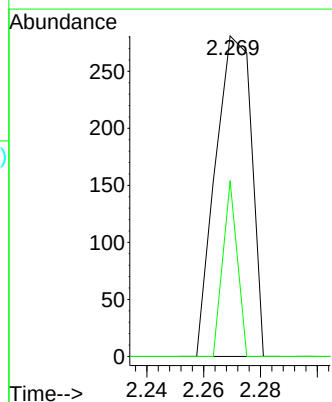
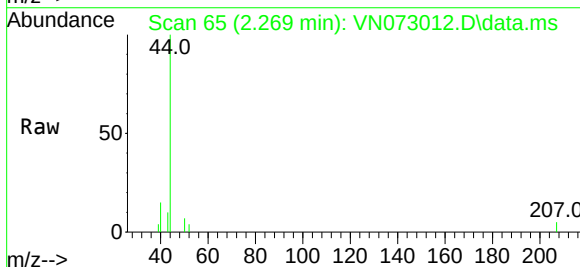
Instrument :
MSVOA_N
ClientSampleId :
WC-3

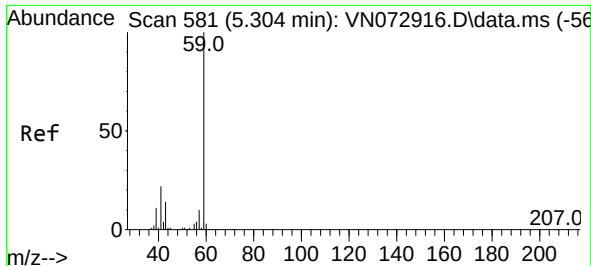
Tgt Ion:168 Resp: 313937
Ion Ratio Lower Upper
168 100
99 59.4 42.3 63.5



#3
Chloromethane
Concen: 0.645 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

Tgt Ion: 50 Resp: 247
Ion Ratio Lower Upper
50 100
52 54.8 25.7 38.5





#11

Tert butyl alcohol

Concen: 0.217 ug/l

RT: 5.310 min Scan# 581

Delta R.T. 0.006 min

Lab File: VN073012.D

Acq: 22 Jun 2022 08:31

Instrument :

MSVOA_N

ClientSampleId :

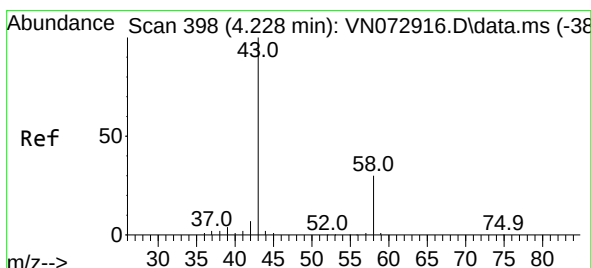
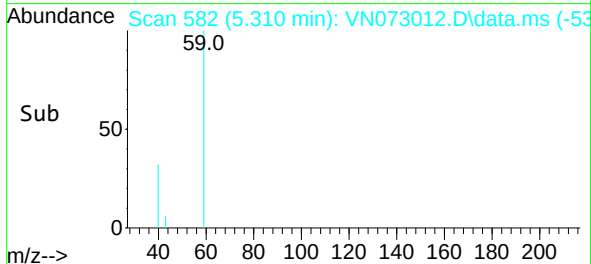
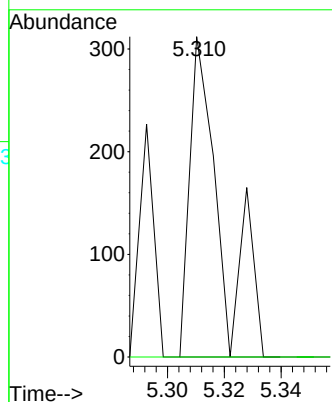
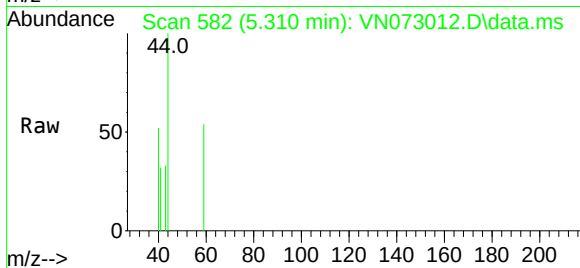
WC-3

Tgt Ion: 59 Resp: 238

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 12.620 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.000 min

Lab File: VN073012.D

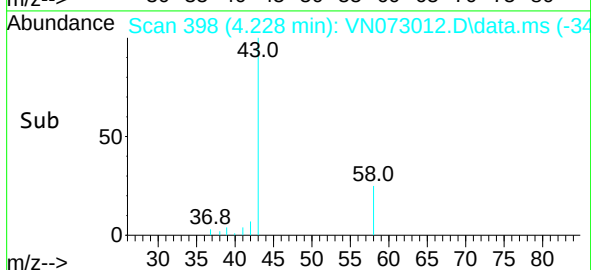
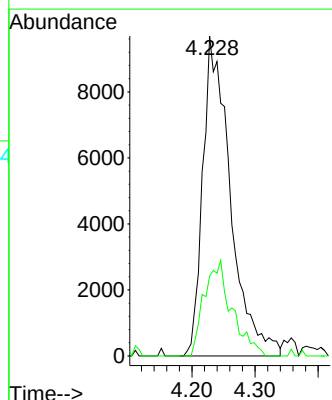
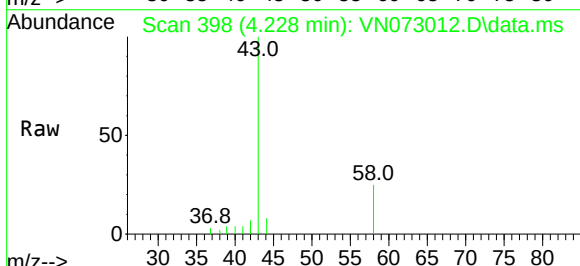
Acq: 22 Jun 2022 08:31

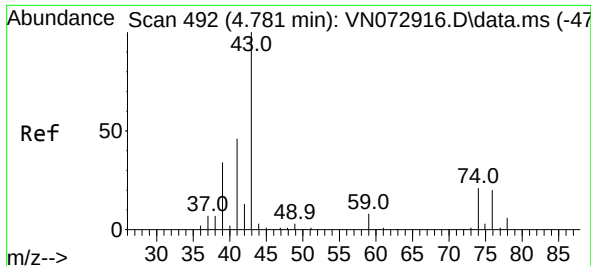
Tgt Ion: 43 Resp: 29443

Ion Ratio Lower Upper

43 100

58 25.0 26.0 39.0#

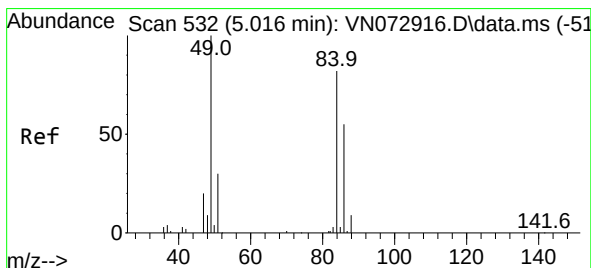
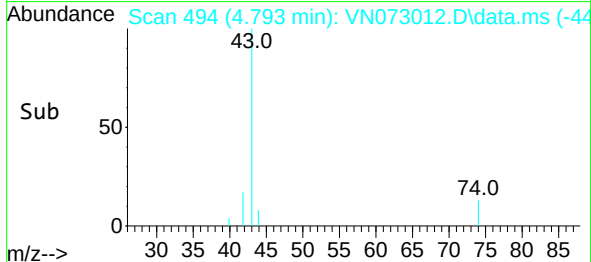
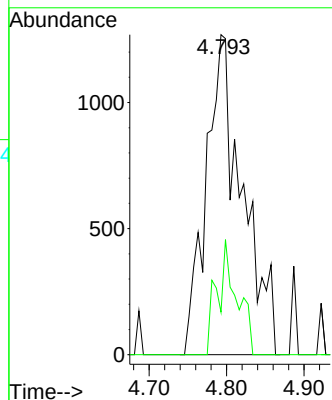
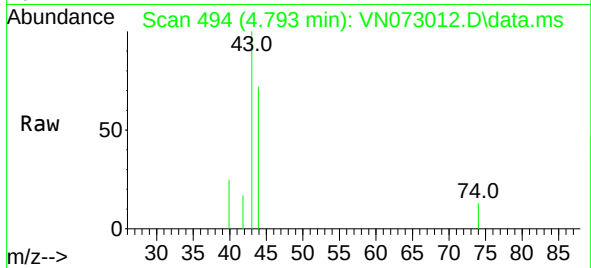




#18
Methyl Acetate
Concen: 0.661 ug/l
RT: 4.793 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

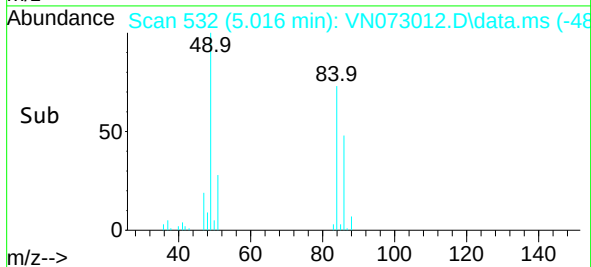
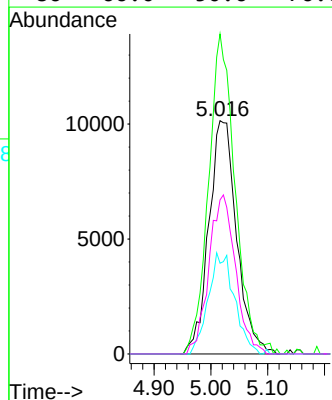
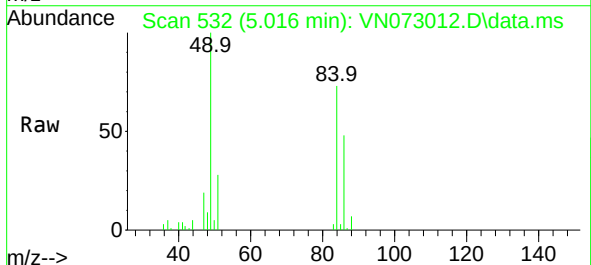
Instrument :
MSVOA_N
ClientSampleId :
WC-3

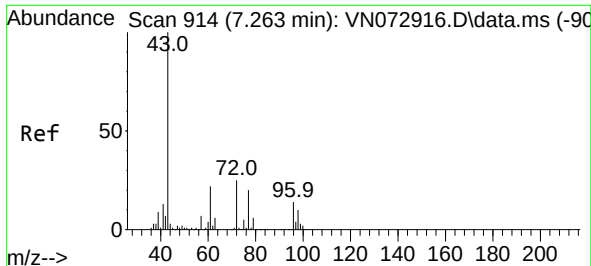
Tgt Ion: 43 Resp: 4104
Ion Ratio Lower Upper
43 100
74 19.7 21.6 32.4#



#20
Methylene Chloride
Concen: 9.349 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.000 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

Tgt Ion: 84 Resp: 34543
Ion Ratio Lower Upper
84 100
49 137.2 88.3 132.5#
51 38.9 28.2 42.2
86 66.0 50.6 76.0





#25

2-Butanone

Concen: 1.870 ug/l

RT: 7.281 min Scan# 917

Delta R.T. 0.018 min

Lab File: VN073012.D

Acq: 22 Jun 2022 08:31

Instrument :

MSVOA_N

ClientSampleId :

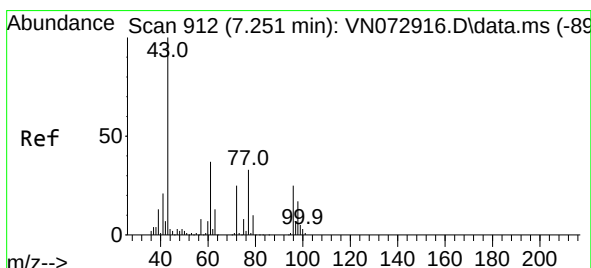
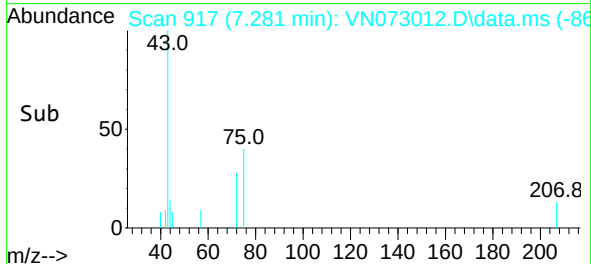
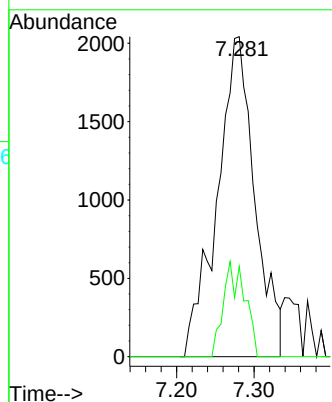
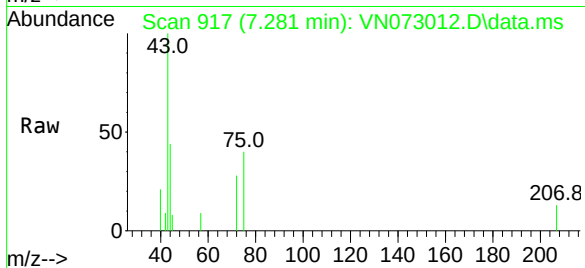
WC-3

Tgt Ion: 43 Resp: 6922

Ion Ratio Lower Upper

43 100

72 28.2 23.7 35.5



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.234 min Scan# 909

Delta R.T. -0.017 min

Lab File: VN073012.D

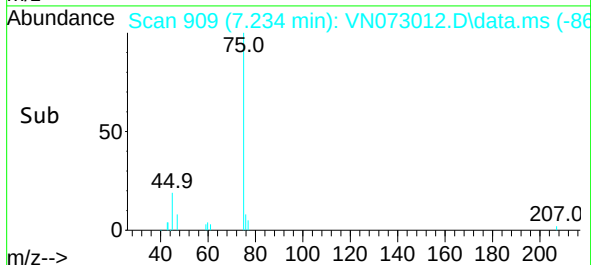
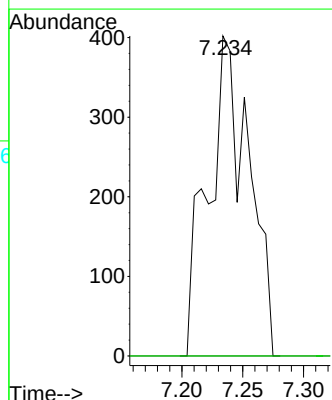
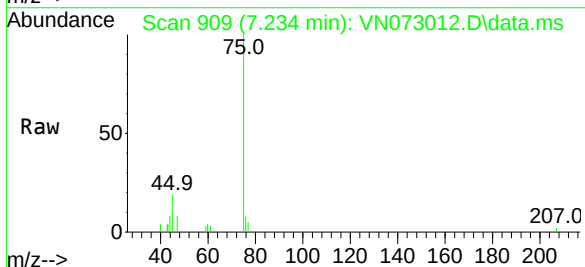
Acq: 22 Jun 2022 08:31

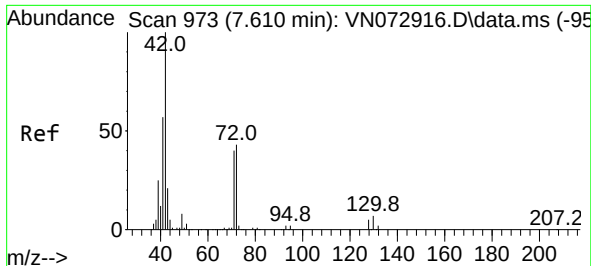
Tgt Ion: 77 Resp: 933

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.247 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073012.D

Acq: 22 Jun 2022 08:31

Instrument :

MSVOA_N

ClientSampleId :

WC-3

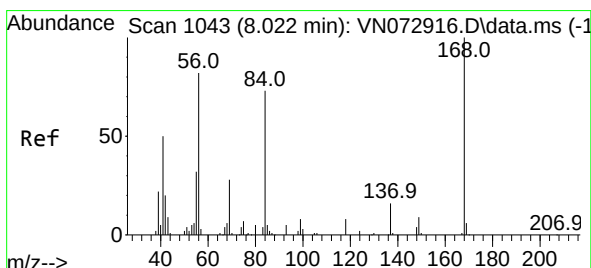
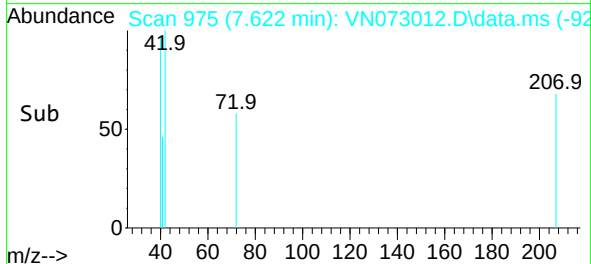
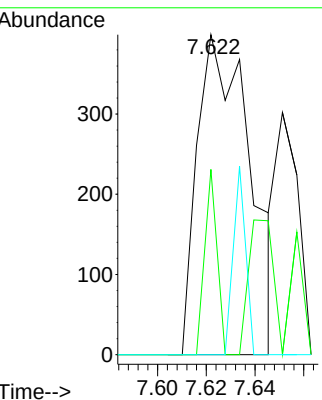
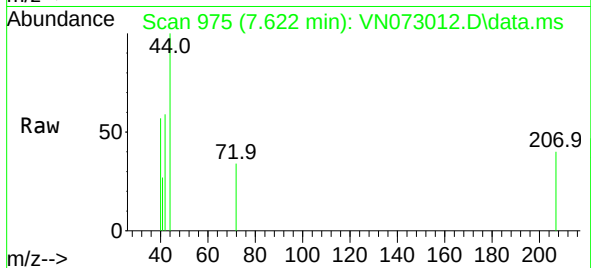
Tgt Ion: 42 Resp: 603

Ion Ratio Lower Upper

42 100

72 13.6 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.246 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073012.D

Acq: 22 Jun 2022 08:31

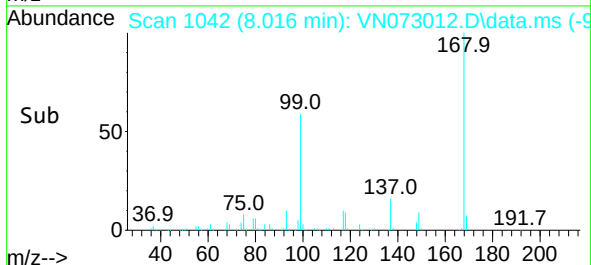
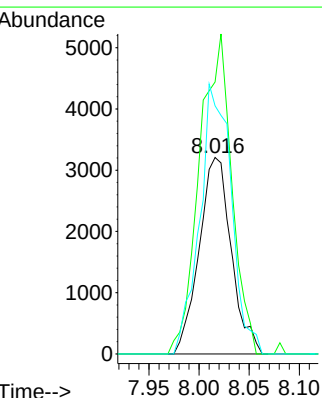
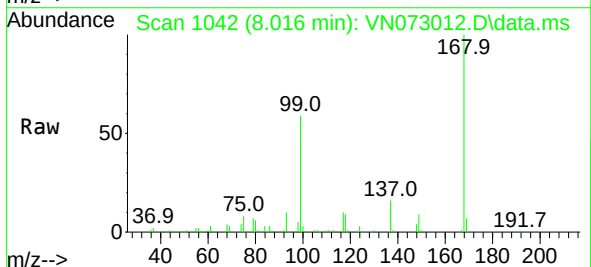
Tgt Ion: 56 Resp: 7152

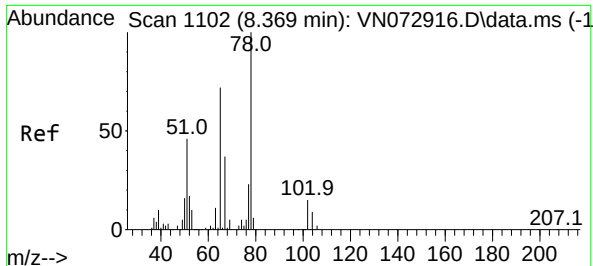
Ion Ratio Lower Upper

56 100

69 138.4 27.8 41.8#

84 126.3 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 45.308 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073012.D

Acq: 22 Jun 2022 08:31

Instrument :

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ClientSampleId :

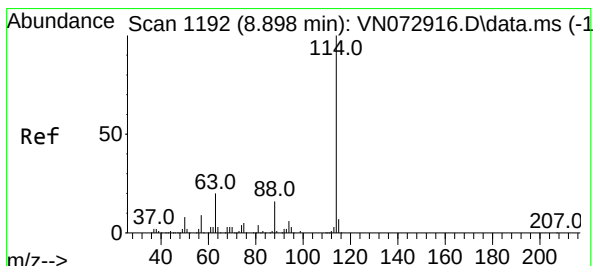
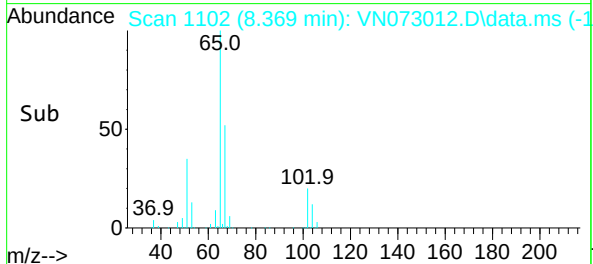
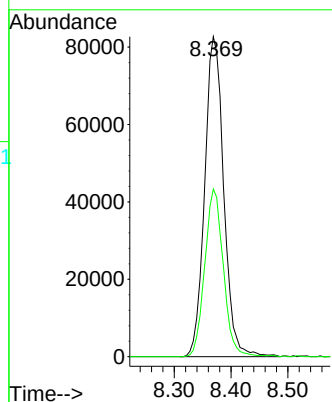
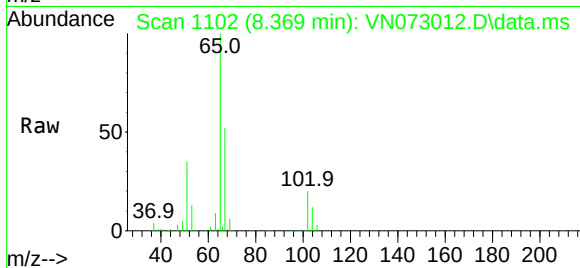
WC-3

Tgt Ion: 65 Resp: 192304

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073012.D

Acq: 22 Jun 2022 08:31

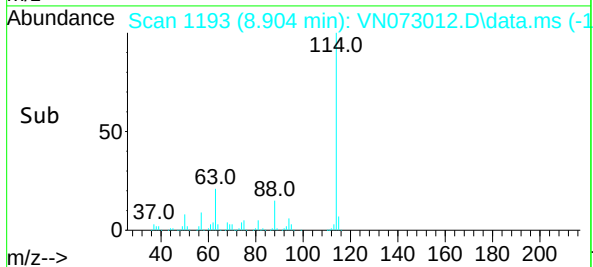
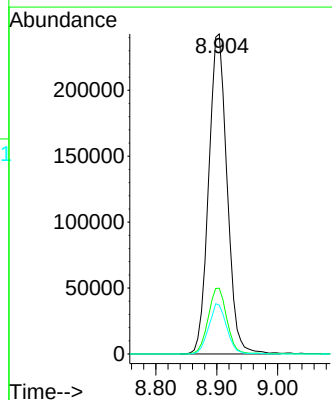
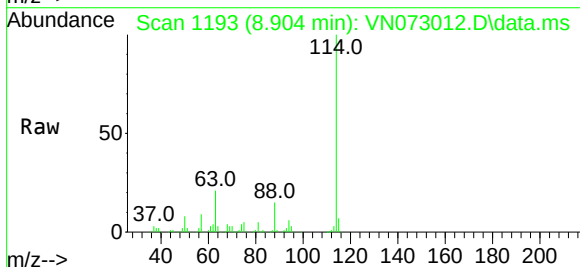
Tgt Ion: 114 Resp: 509389

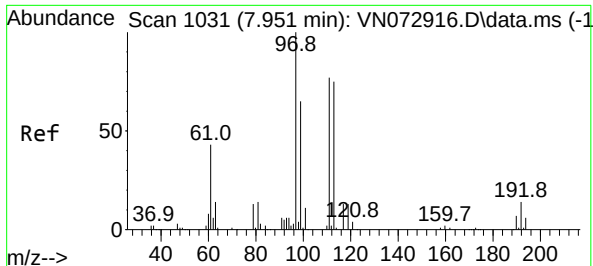
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.609 ug/l

RT: 7.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073012.D

Acq: 22 Jun 2022 08:31

Instrument :

MSVOA_N

ClientSampleId :

WC-3

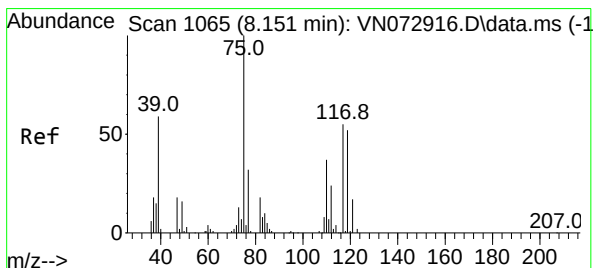
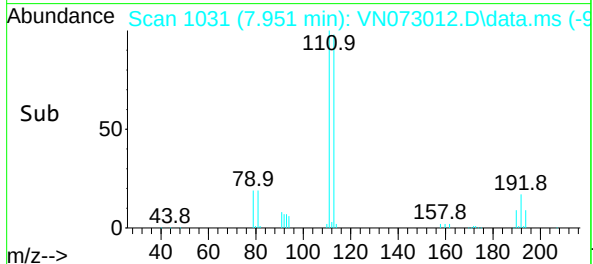
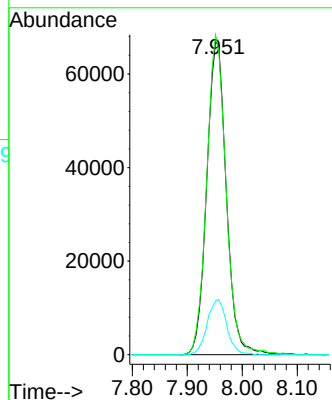
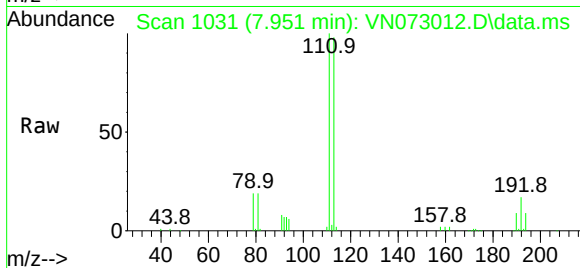
Tgt Ion:113 Resp: 165640

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

192 17.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.951 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN073012.D

Acq: 22 Jun 2022 08:31

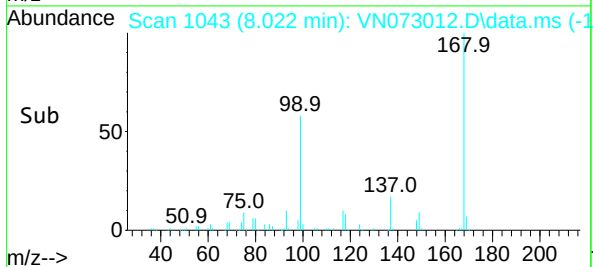
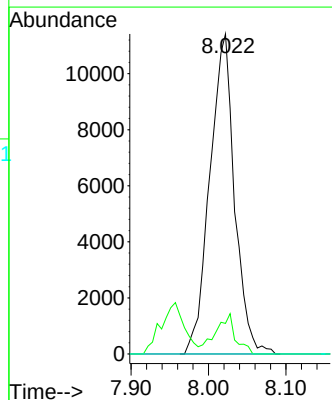
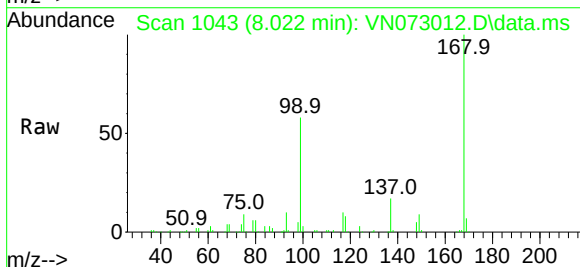
Tgt Ion: 75 Resp: 25353

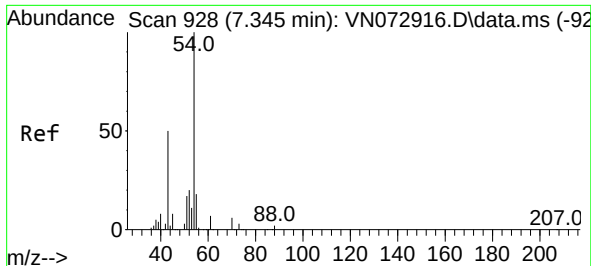
Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

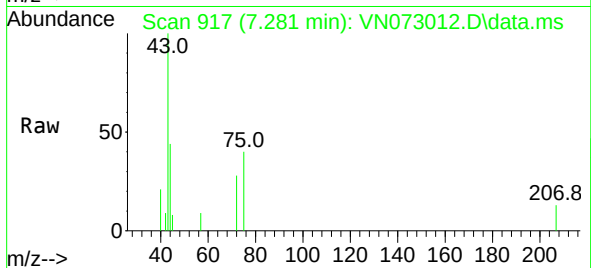
77 0.0 25.1 37.7#



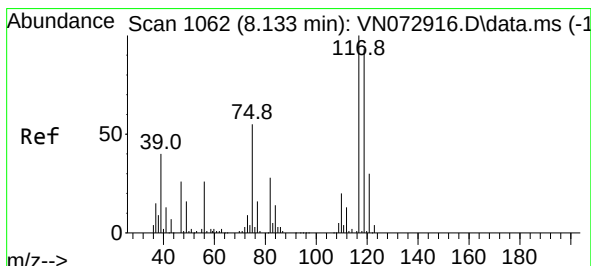
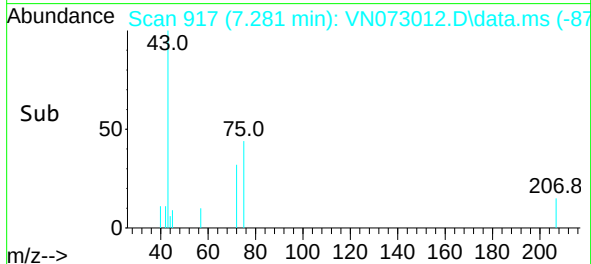
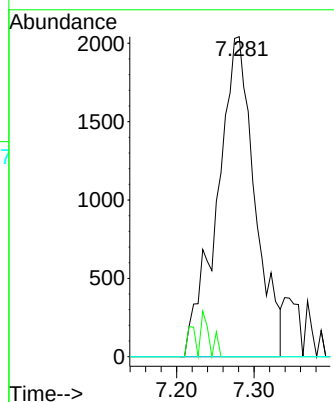


#37
Ethyl Acetate
Concen: 1.016 ug/l
RT: 7.281 min Scan# 917
Delta R.T. -0.065 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

Instrument :
MSVOA_N
ClientSampleId :
WC-3

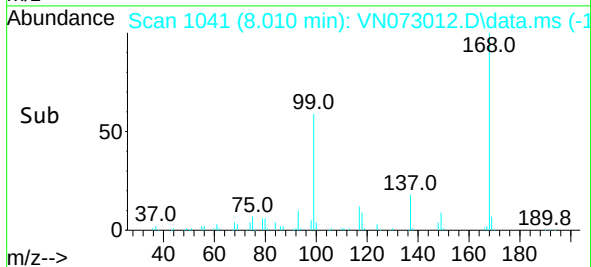
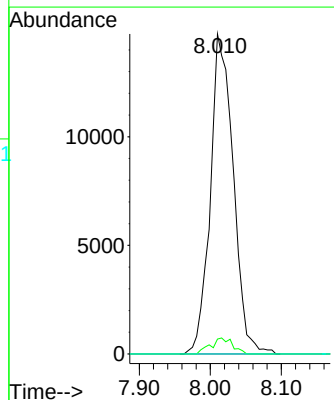
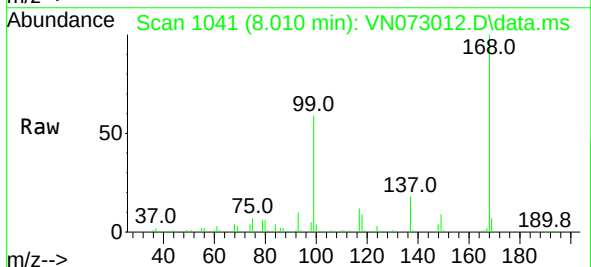


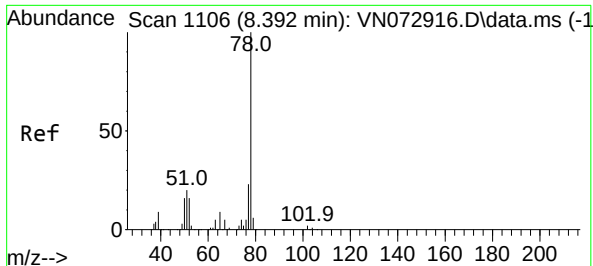
Tgt Ion: 43 Resp: 6922
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 7.380 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.123 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

Tgt Ion: 117 Resp: 33072
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 24.6 37.0#

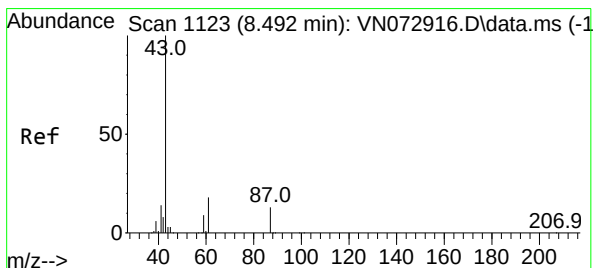
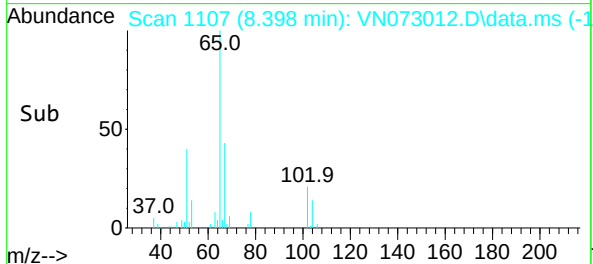
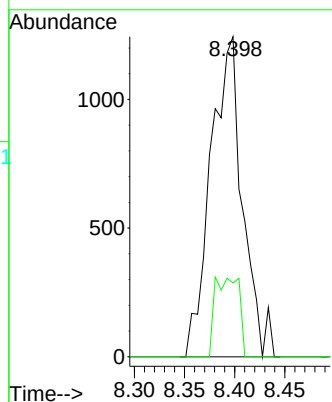
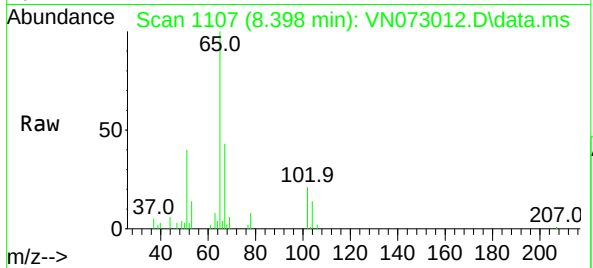




#40
Benzene
Concen: 0.205 ug/l
RT: 8.398 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

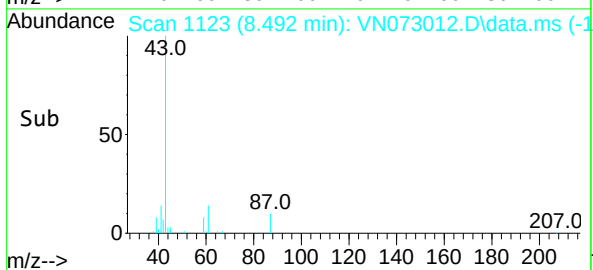
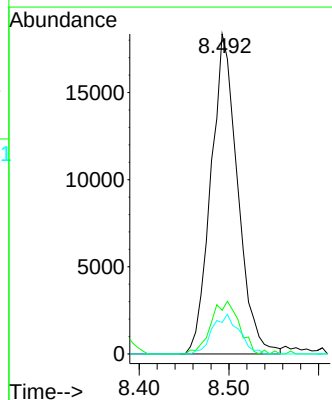
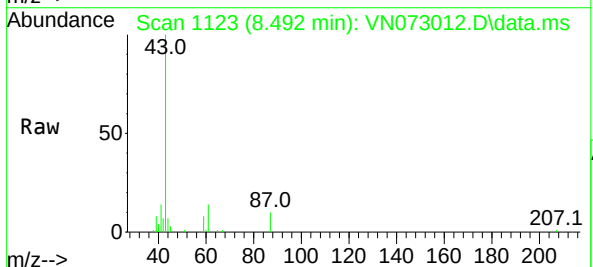
Instrument :
MSVOA_N
ClientSampleId :
WC-3

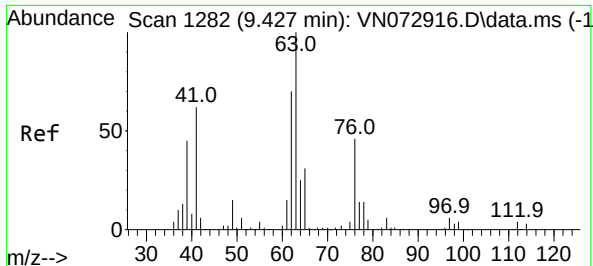
Tgt Ion: 78 Resp: 2744
Ion Ratio Lower Upper
78 100
77 23.1 19.4 29.0



#43
Isopropyl Acetate
Concen: 3.903 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

Tgt Ion: 43 Resp: 38015
Ion Ratio Lower Upper
43 100
61 17.3 21.9 32.9#
87 12.4 12.0 18.0





#45

1,2-Dichloropropane

Concen: 0.804 ug/l

RT: 9.557 min Scan# 11

Delta R.T. 0.130 min

Lab File: VN073012.D

Acq: 22 Jun 2022 08:31

Instrument :

MSVOA_N

ClientSampleId :

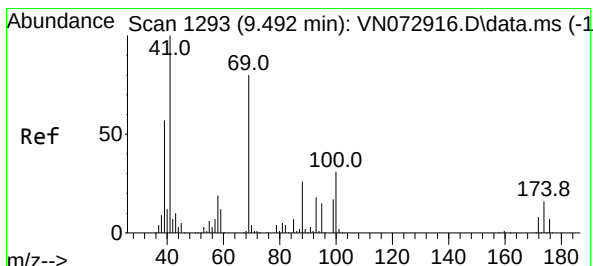
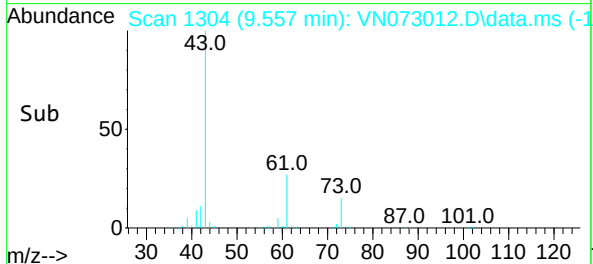
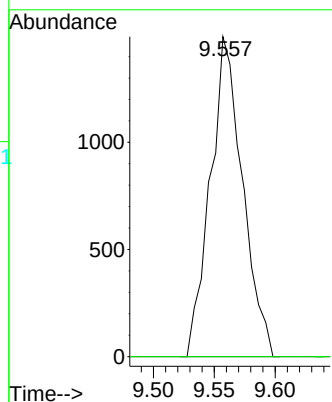
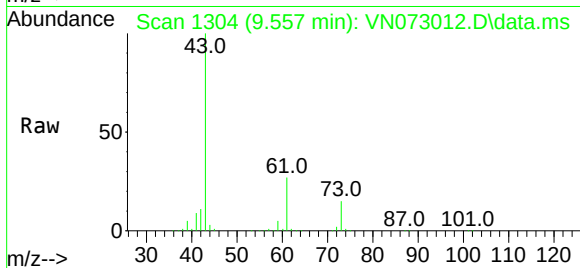
WC-3

Tgt Ion: 63 Resp: 2751

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.617 ug/l

RT: 9.481 min Scan# 1291

Delta R.T. -0.012 min

Lab File: VN073012.D

Acq: 22 Jun 2022 08:31

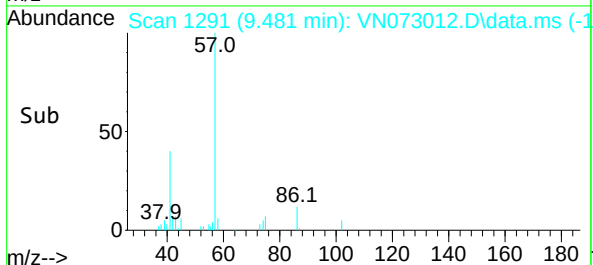
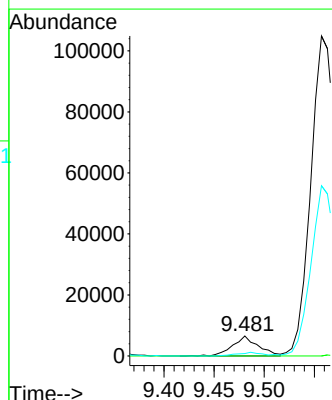
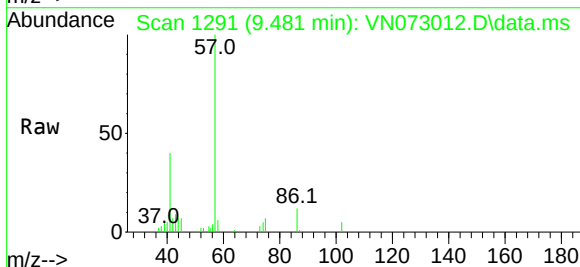
Tgt Ion: 41 Resp: 11639

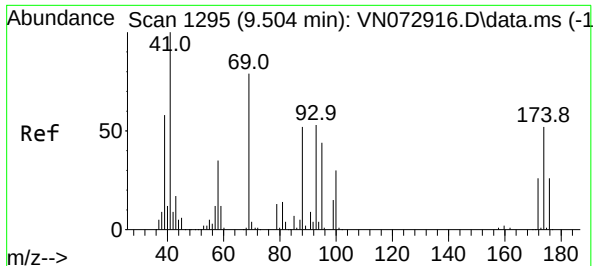
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: 2.698 ug/l

RT: 9.557 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN073012.D

Acq: 22 Jun 2022 08:31

Instrument :

MSVOA_N

ClientSampleId :

WC-3

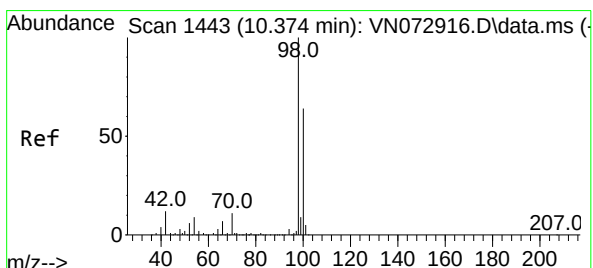
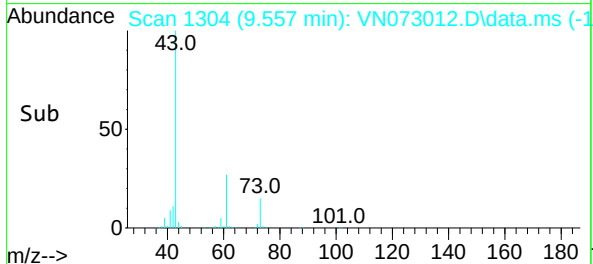
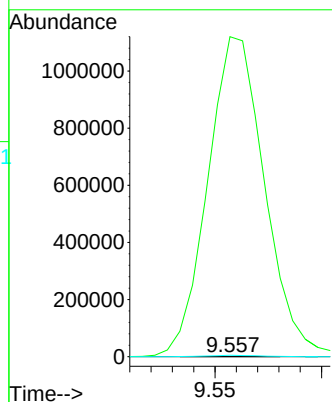
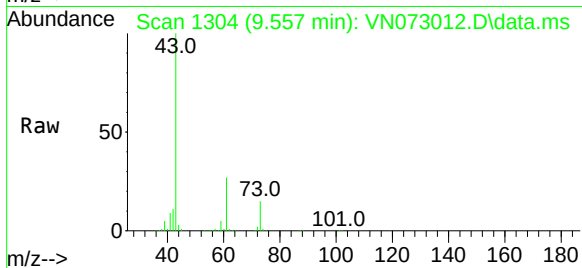
Tgt Ion: 88 Resp: 270

Ion Ratio Lower Upper

88 100

43 783180.0 20.2 30.4#

58 3295.9 54.2 81.4#



#50

Toluene-d8

Concen: 45.831 ug/l

RT: 10.375 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN073012.D

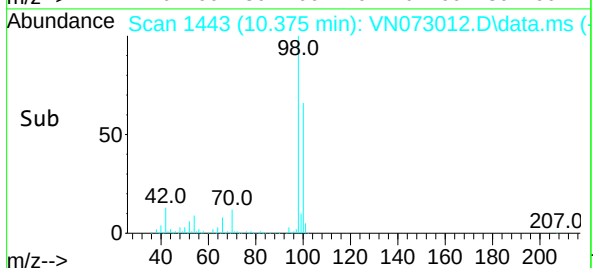
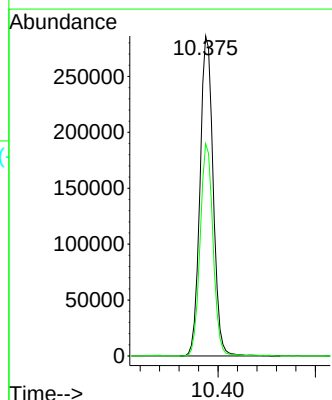
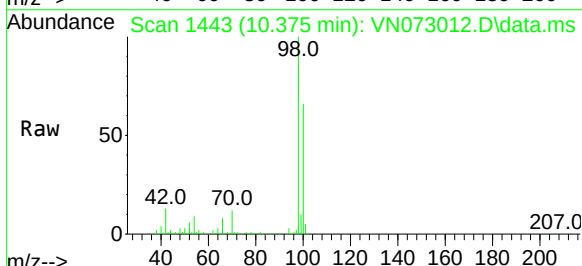
Acq: 22 Jun 2022 08:31

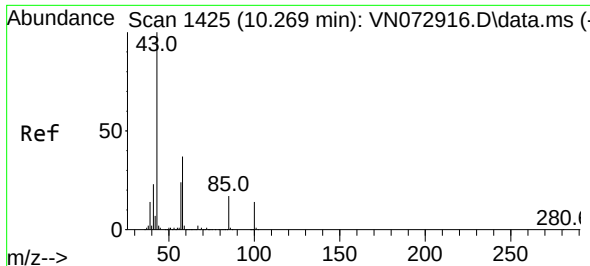
Tgt Ion: 98 Resp: 536933

Ion Ratio Lower Upper

98 100

100 65.1 52.6 78.8

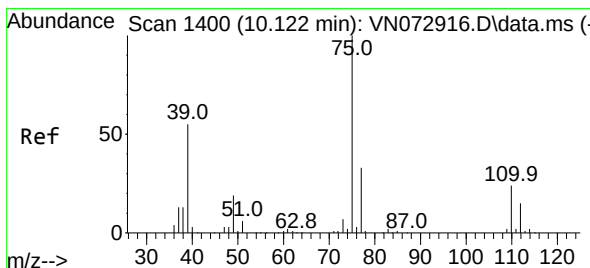
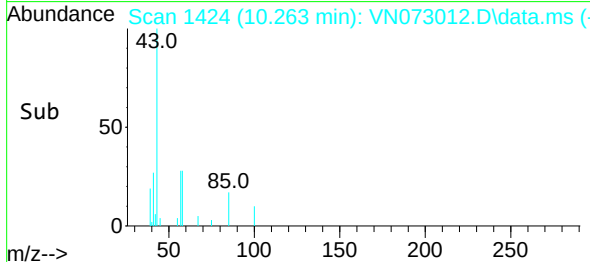
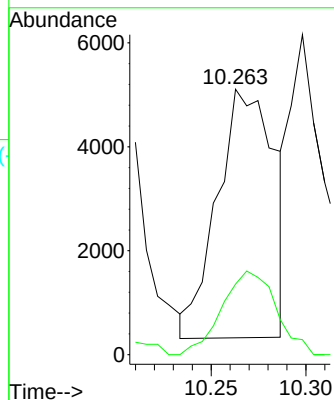
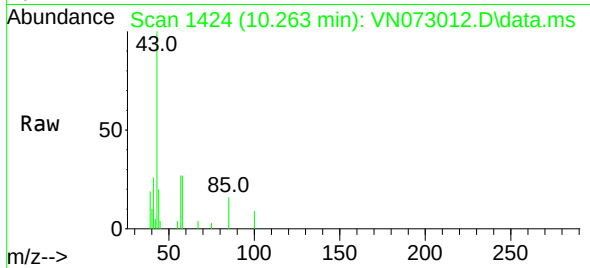




#51
4-Methyl-2-Pentanone
Concen: 1.577 ug/l
RT: 10.263 min Scan# 1424
Delta R.T. -0.006 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

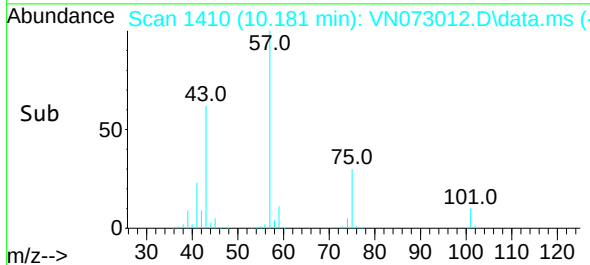
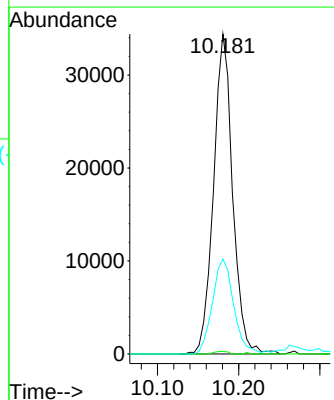
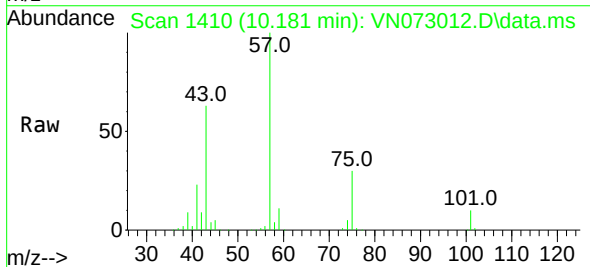
Instrument :
MSVOA_N
ClientSampleId :
WC-3

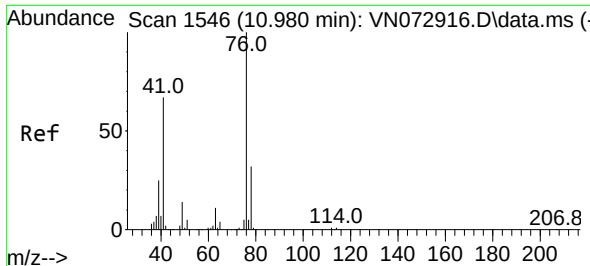
Tgt Ion: 43 Resp: 10016
Ion Ratio Lower Upper
43 100
58 31.9 34.1 51.1#



#54
cis-1,3-Dichloropropene
Concen: 10.401 ug/l
RT: 10.181 min Scan# 1410
Delta R.T. 0.059 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

Tgt Ion: 75 Resp: 56192
Ion Ratio Lower Upper
75 100
77 0.8 25.2 37.8#
39 29.7 35.7 53.5#

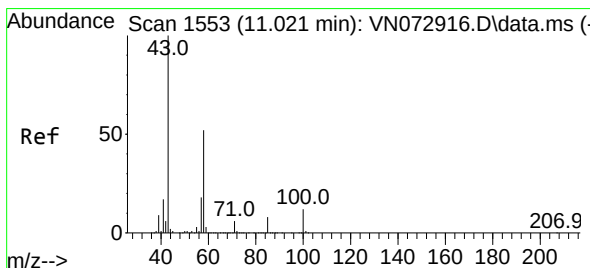
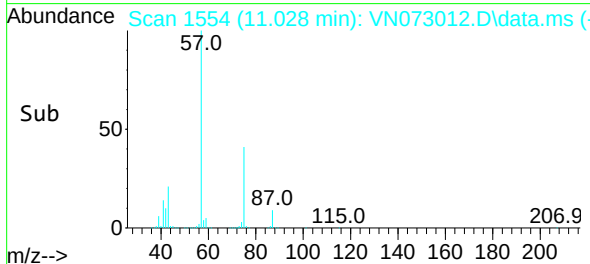
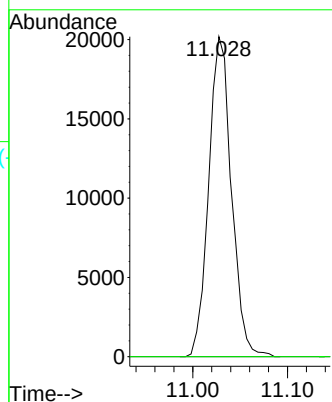
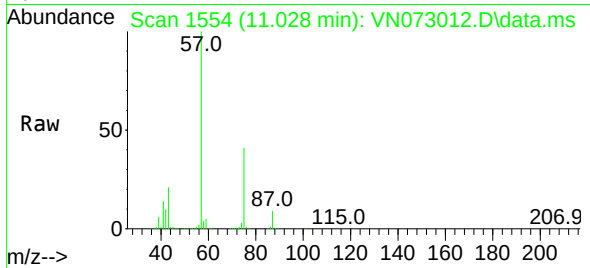




#57
1,3-Dichloropropane
Concen: 5.621 ug/l
RT: 11.028 min Scan# 1554
Delta R.T. 0.047 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

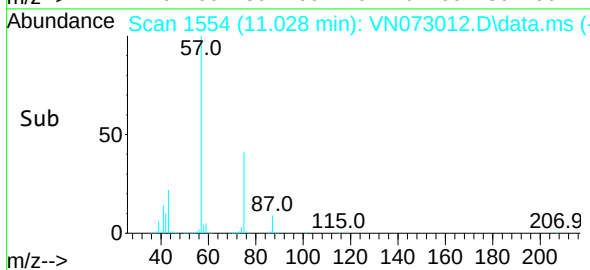
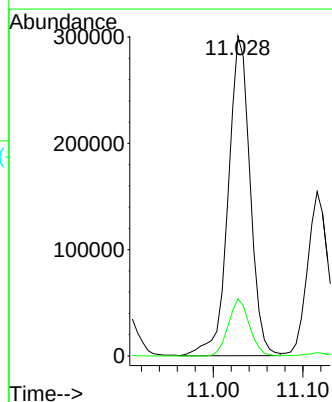
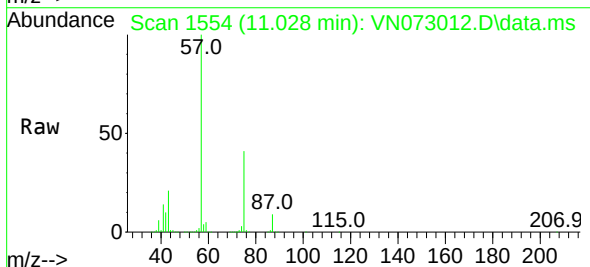
Instrument :
MSVOA_N
ClientSampleId :
WC-3

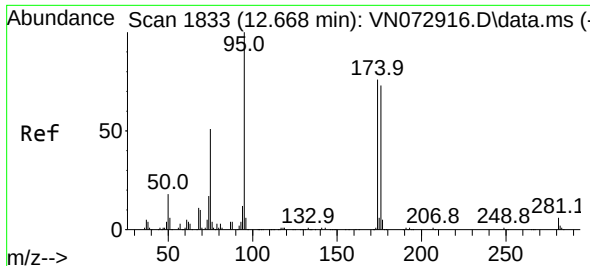
Tgt Ion: 76 Resp: 33661
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 103.674 ug/l
RT: 11.028 min Scan# 1554
Delta R.T. 0.006 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

Tgt Ion: 43 Resp: 509341
Ion Ratio Lower Upper
43 100
58 17.2 29.7 89.1#

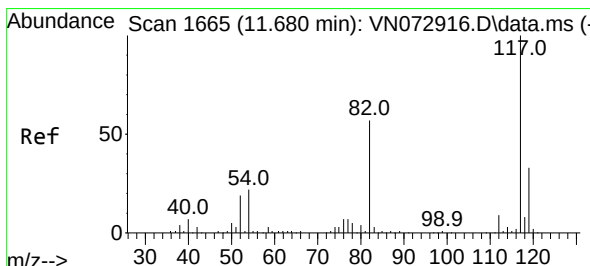
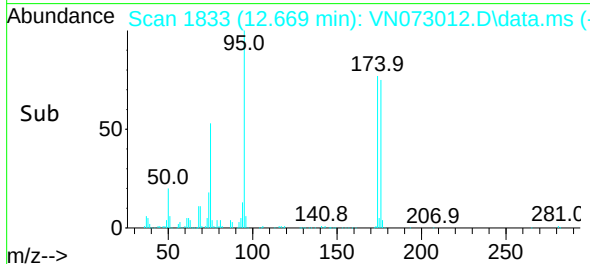
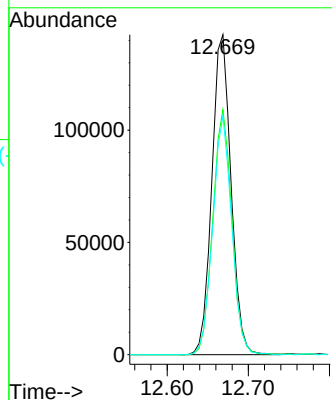
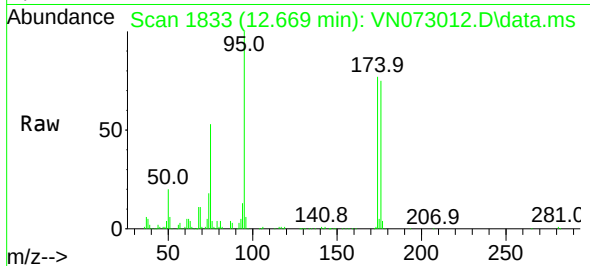




#62
4-Bromofluorobenzene
Concen: 55.486 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

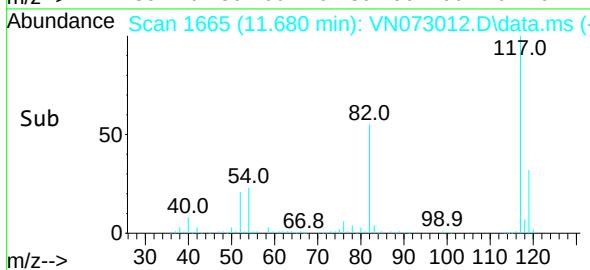
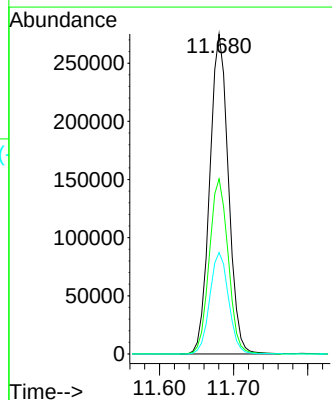
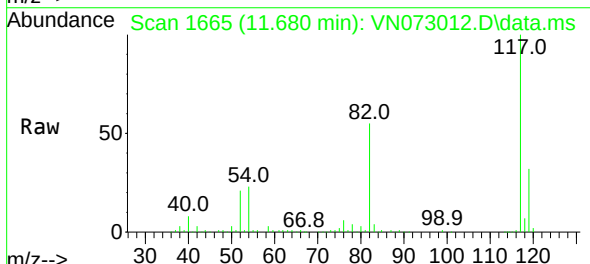
Instrument :
MSVOA_N
ClientSampleId :
WC-3

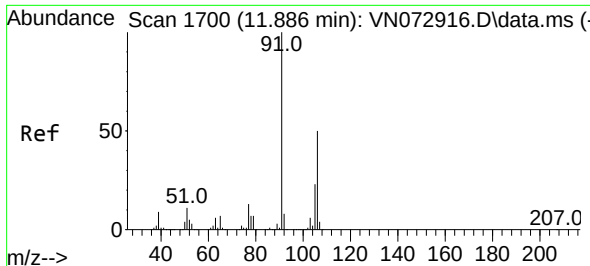
Tgt Ion: 95 Resp: 233749
Ion Ratio Lower Upper
95 100
174 76.7 0.0 167.6
176 73.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

Tgt Ion: 117 Resp: 481454
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 31.7 25.4 38.0

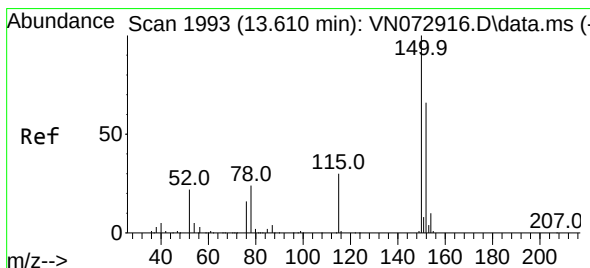
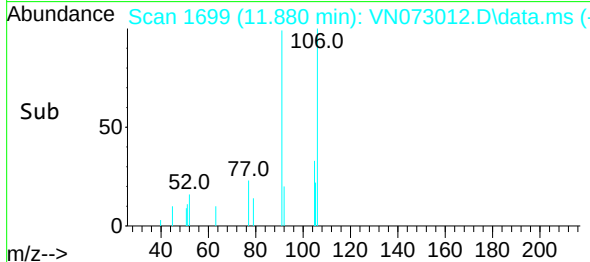
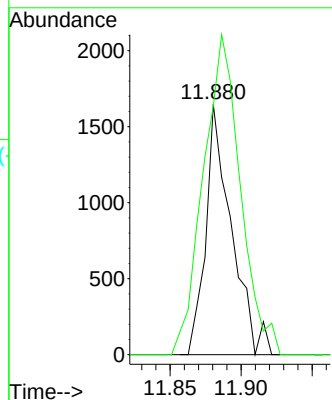
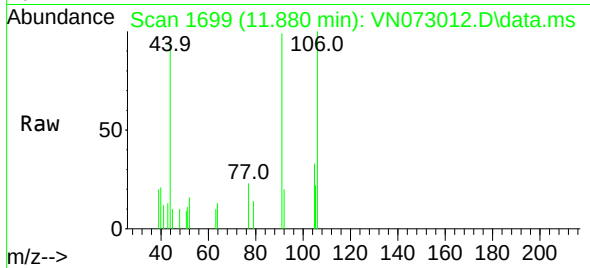




#68
m/p-Xylenes
Concen: 0.317 ug/l
RT: 11.880 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

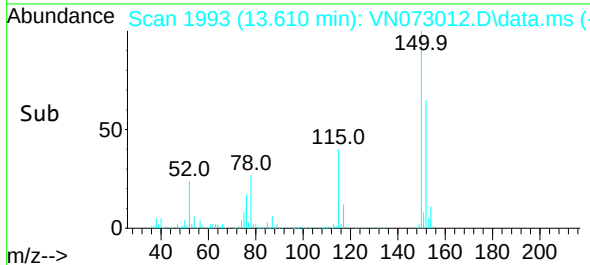
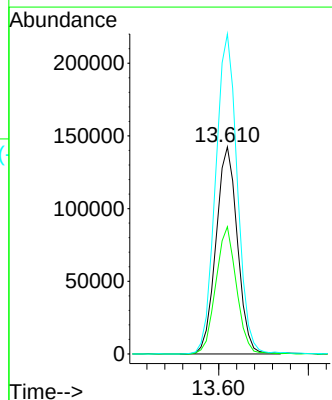
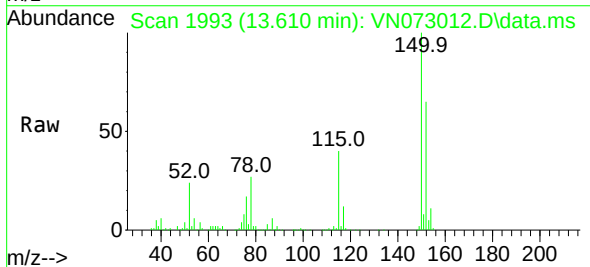
Instrument :
MSVOA_N
ClientSampleId :
WC-3

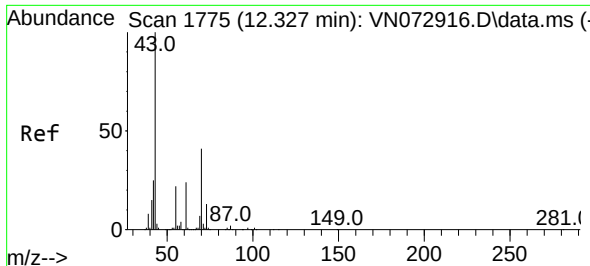
Tgt Ion:106 Resp: 2061
Ion Ratio Lower Upper
106 100
91 185.4 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

Tgt Ion:152 Resp: 235990
Ion Ratio Lower Upper
152 100
115 59.4 28.9 86.7
150 157.0 0.0 356.2

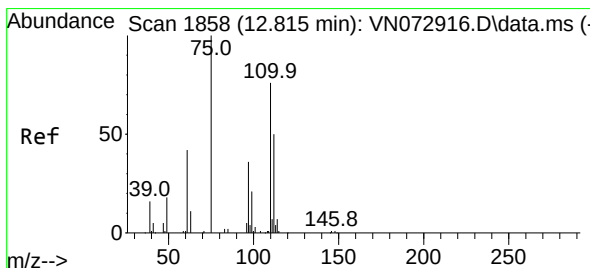
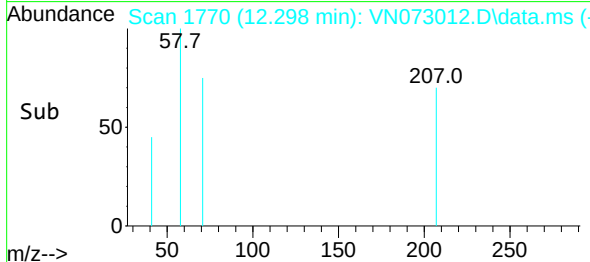
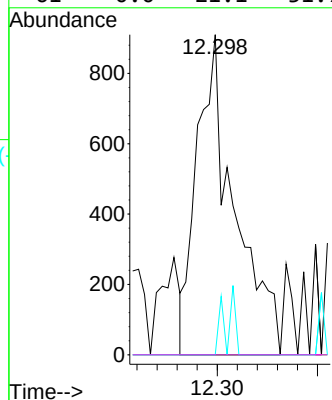
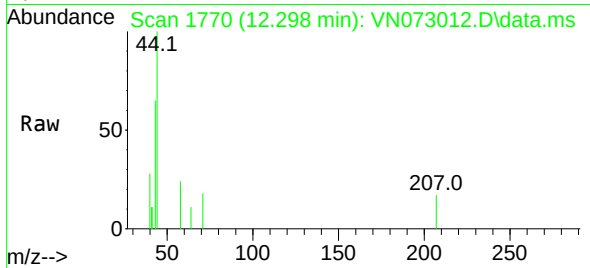




#74
N-amy1 acetate
Concen: 0.248 ug/l
RT: 12.298 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

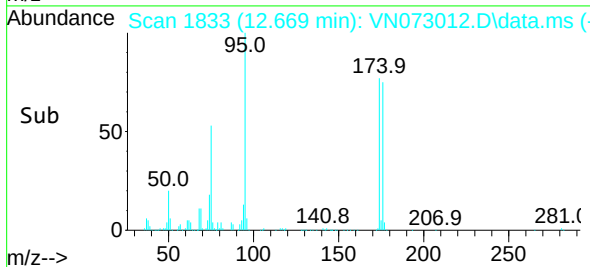
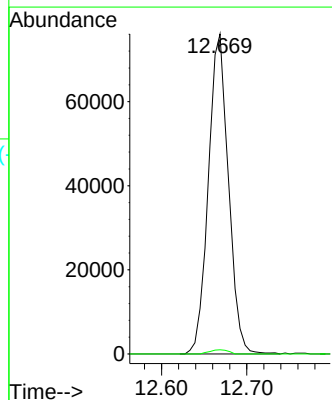
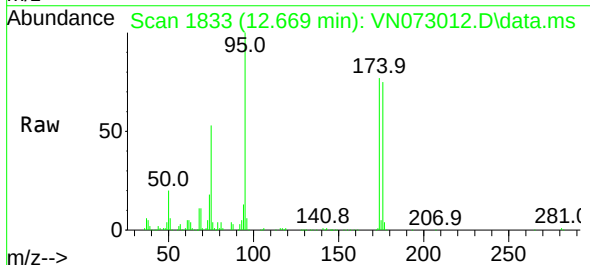
Instrument :
MSVOA_N
ClientSampleId :
WC-3

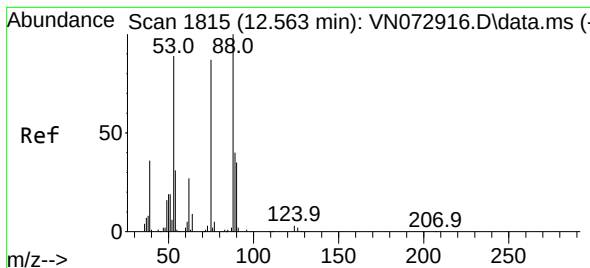
Tgt Ion: 43 Resp: 2353
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 2.5 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 21.751 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

Tgt Ion: 75 Resp: 124452
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

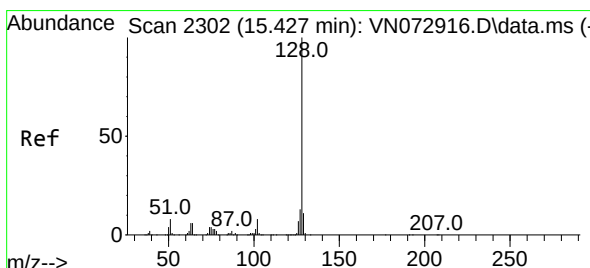
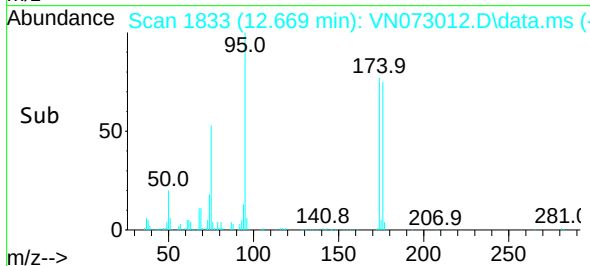
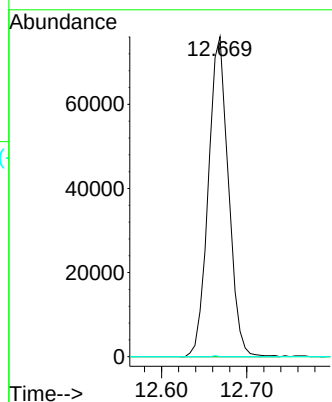
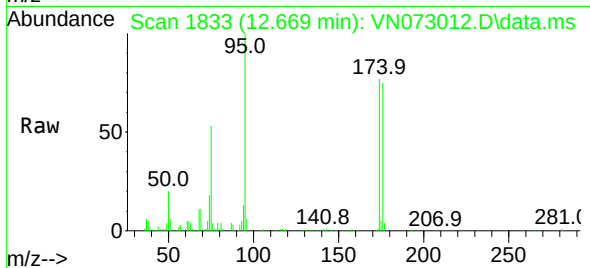




#81
trans-1,4-Dichloro-2-butene
Concen: 58.743 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

Instrument :
MSVOA_N
ClientSampleId :
WC-3

Tgt Ion: 75 Resp: 124452
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#95
Naphthalene
Concen: 0.343 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073012.D
Acq: 22 Jun 2022 08:31

Tgt Ion: 128 Resp: 6246
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 9.0 8.6 13.0

