

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
 Data File : VN071561.D
 Acq On : 25 Mar 2022 20:44
 Operator : JC\MD
 Sample : N2094-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2

Quant Time: Mar 26 04:08:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

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

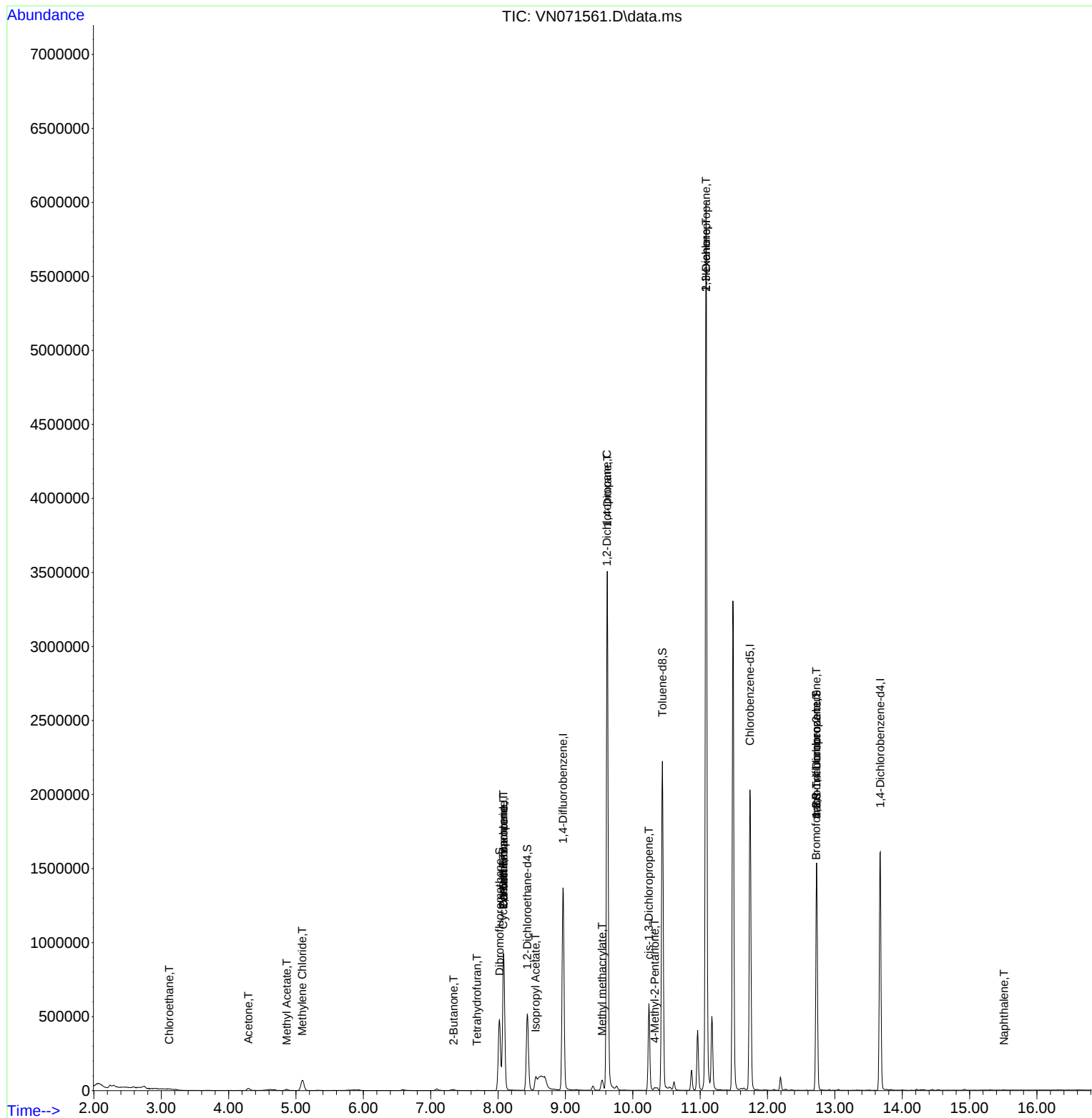
Internal Standards						
1) Pentafluorobenzene	8.081	168	748237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1271385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1266648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	468770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	435332	46.830	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.660%
35) Dibromofluoromethane	8.022	113	361504	45.243	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	90.480%
50) Toluene-d8	10.439	98	1597931	49.581	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.160%
62) 4-Bromofluorobenzene	12.727	95	533934	50.561	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2399	Below Cal	#	81
6) Chloroethane	3.116	64	7736	1.096	ug/l #	57
16) Acetone	4.293	43	26152	6.863	ug/l	95
18) Methyl Acetate	4.863	43	17385	0.510	ug/l	94
20) Methylene Chloride	5.093	84	61384	6.914	ug/l	98
25) 2-Butanone	7.339	43	10366	1.696	ug/l #	81
29) Tetrahydrofuran	7.686	42	885	0.218	ug/l #	52
31) Cyclohexane	8.075	56	13679	1.028	ug/l #	17
36) 1,1-Dichloropropene	8.081	75	53821	4.672	ug/l #	49
38) Carbon Tetrachloride	8.081	117	68191	6.072	ug/l #	17
43) Isopropyl Acetate	8.557	43	102499	4.737	ug/l #	79
45) 1,2-Dichloropropane	9.616	63	4675	0.526	ug/l #	44
48) Methyl methacrylate	9.545	41	18738	2.067	ug/l #	10
49) 1,4-Dioxane	9.622	88	623	2.978	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	10635	0.846	ug/l	87
54) cis-1,3-Dichloropropene	10.239	75	113871	8.104	ug/l #	63
57) 1,3-Dichloropropane	11.086	76	67626	4.417	ug/l #	42
59) 2-Hexanone	11.086	43	874639	96.506	ug/l #	47
71) Bromoform	12.721	173	2188	0.293	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.727	83	328	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	263854	25.242	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	263854	67.580	ug/l #	10
95) Naphthalene	15.510	128	3070	3.335	ug/l #	81

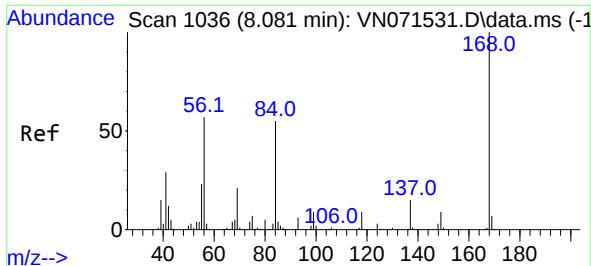
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 25 09:52:40 2022
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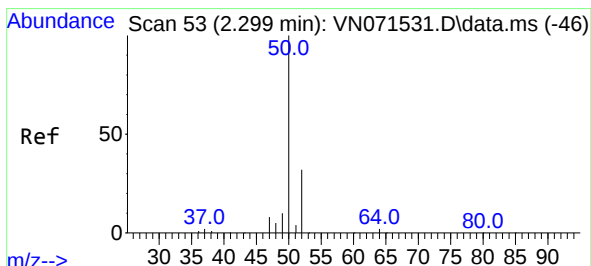
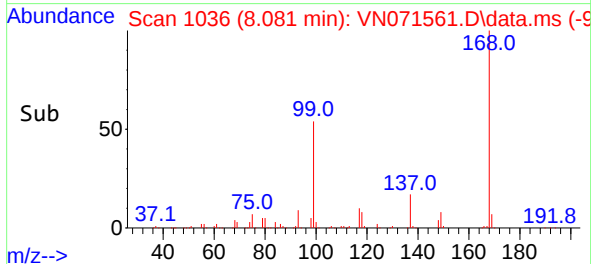
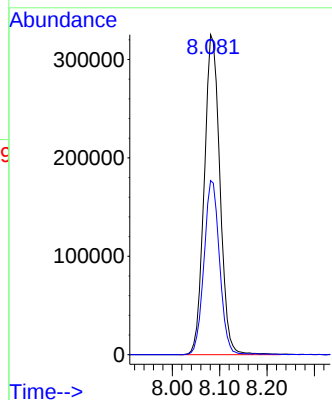
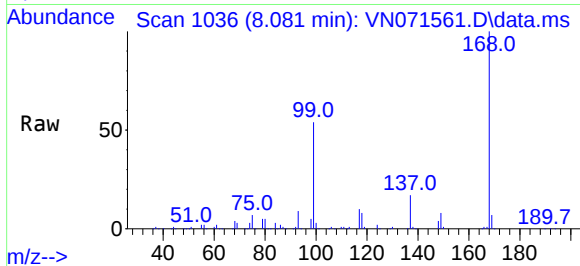




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

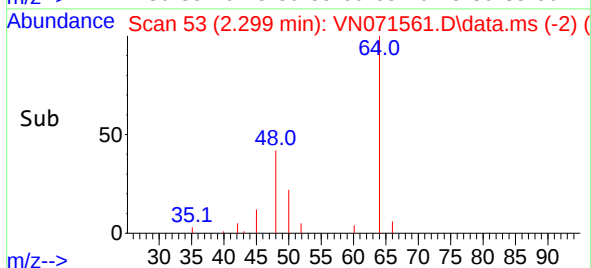
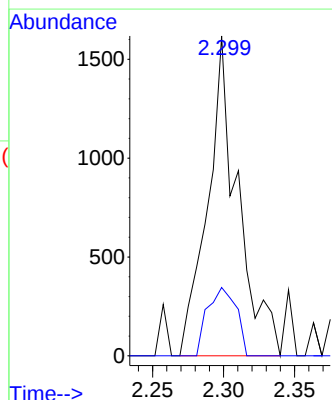
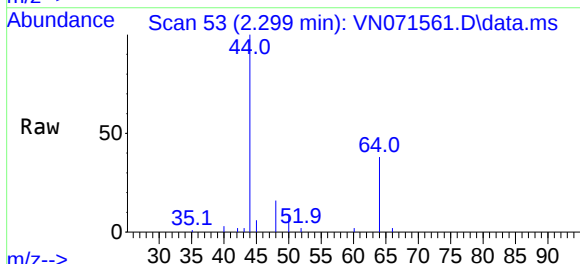
Instrument :
MSVOA_N
ClientSampleId :
WC-2

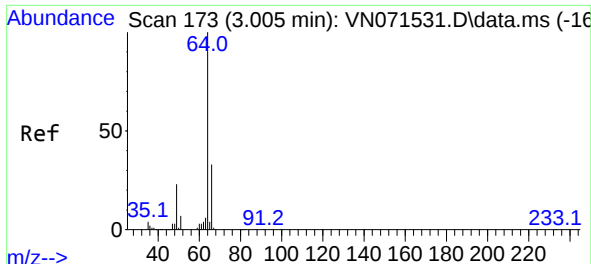
Tgt Ion:168 Resp: 748237
Ion Ratio Lower Upper
168 100
99 54.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

Tgt Ion: 50 Resp: 2399
Ion Ratio Lower Upper
50 100
52 21.4 25.7 38.5#

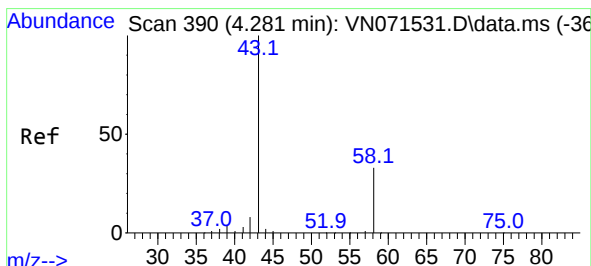
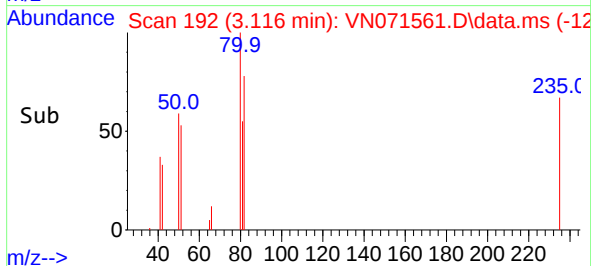
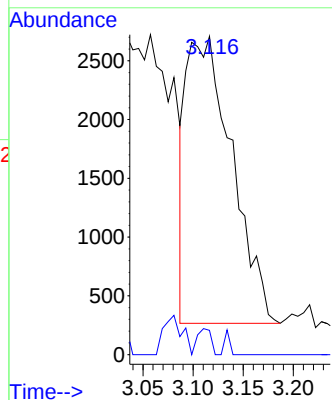
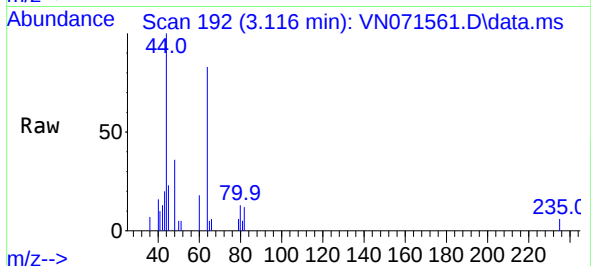




#6
Chloroethane
Concen: 1.096 ug/l
RT: 3.116 min Scan# 192
Delta R.T. 0.111 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

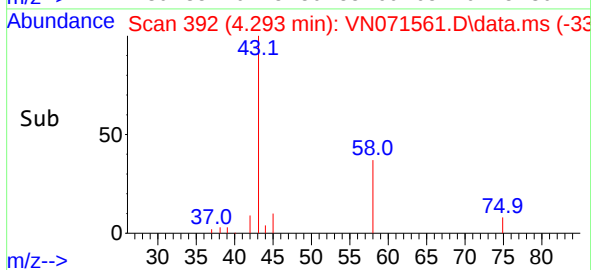
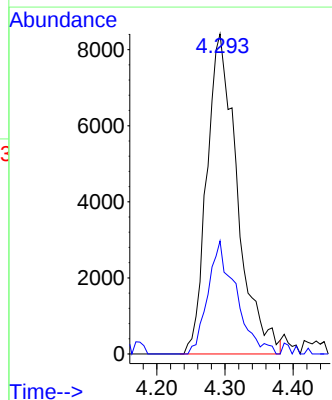
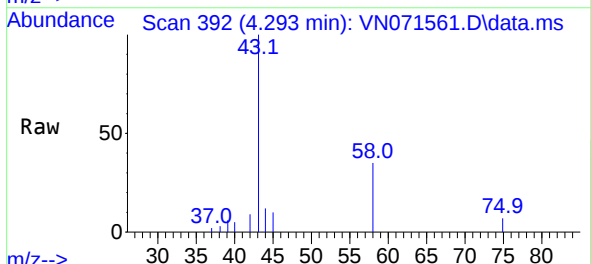
Instrument :
MSVOA_N
ClientSampleId :
WC-2

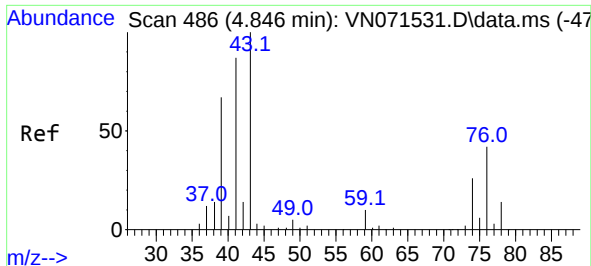
Tgt Ion: 64 Resp: 7736
Ion Ratio Lower Upper
64 100
66 8.5 26.2 39.4#



#16
Acetone
Concen: 6.863 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

Tgt Ion: 43 Resp: 26152
Ion Ratio Lower Upper
43 100
58 35.3 26.0 39.0

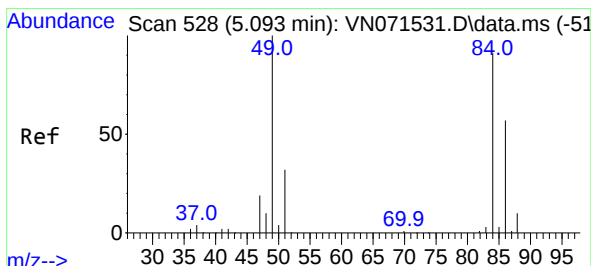
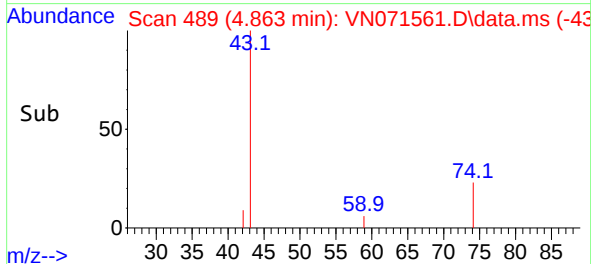
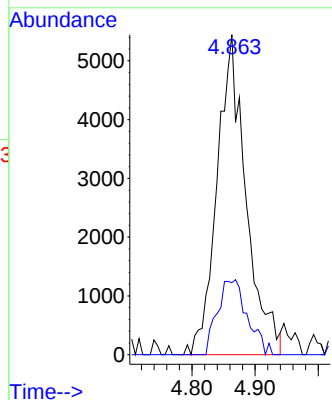
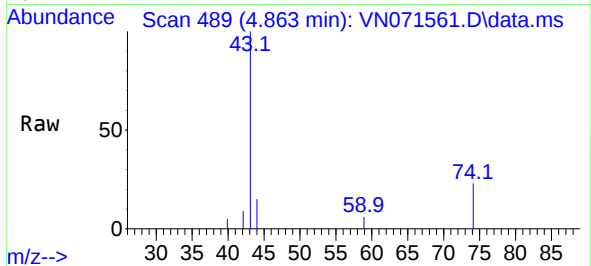




#18
Methyl Acetate
Concen: 0.510 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

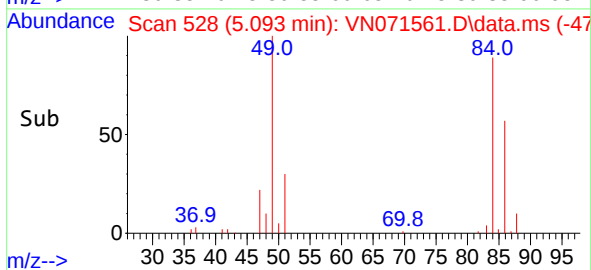
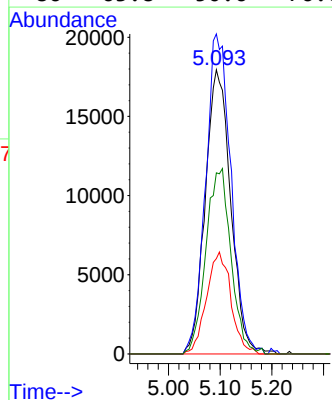
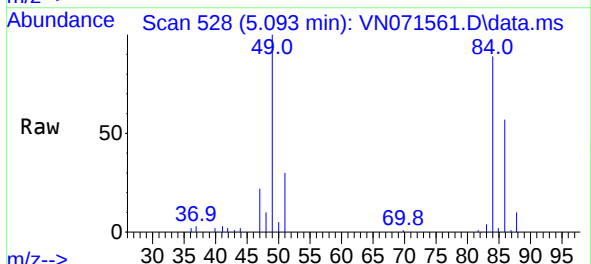
Instrument :
MSVOA_N
ClientSampleId :
WC-2

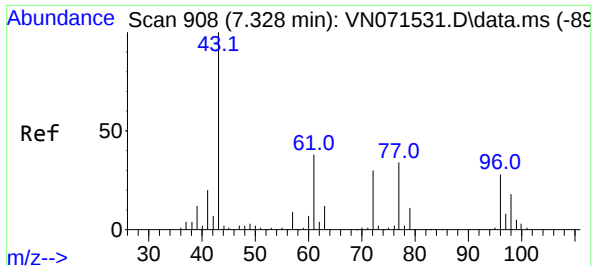
Tgt Ion: 43 Resp: 17385
Ion Ratio Lower Upper
43 100
74 24.1 21.6 32.4



#20
Methylene Chloride
Concen: 6.914 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

Tgt Ion: 84 Resp: 61384
Ion Ratio Lower Upper
84 100
49 112.6 88.3 132.5
51 33.6 28.2 42.2
86 63.8 50.6 76.0





#25

2-Butanone

Concen: 1.696 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.012 min

Lab File: VN071561.D

Acq: 25 Mar 2022 20:44

Instrument :

MSVOA_N

ClientSampleId :

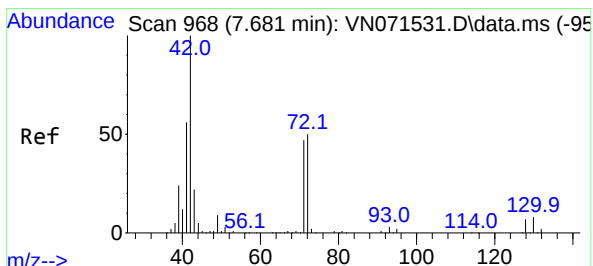
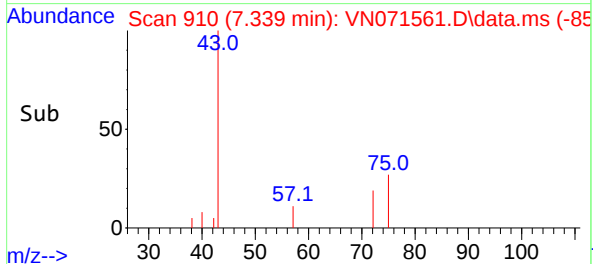
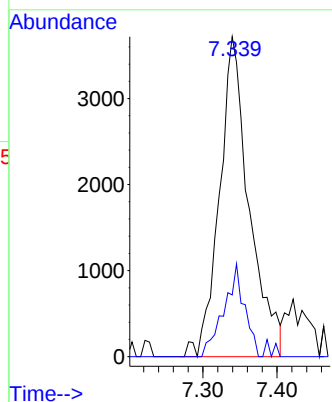
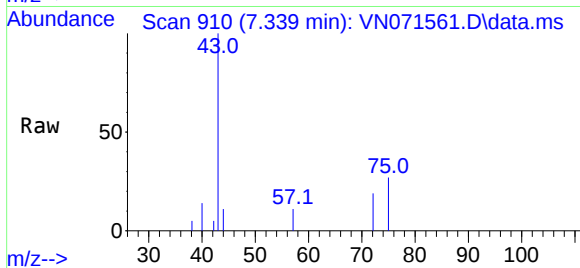
WC-2

Tgt Ion: 43 Resp: 10366

Ion Ratio Lower Upper

43 100

72 19.3 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 7.686 min Scan# 969

Delta R.T. 0.006 min

Lab File: VN071561.D

Acq: 25 Mar 2022 20:44

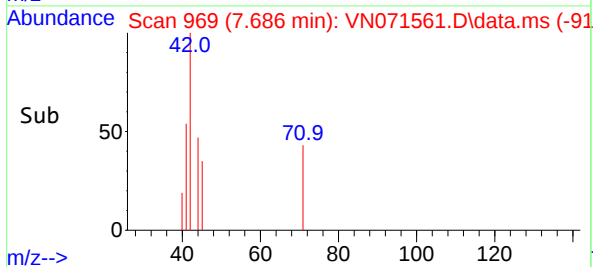
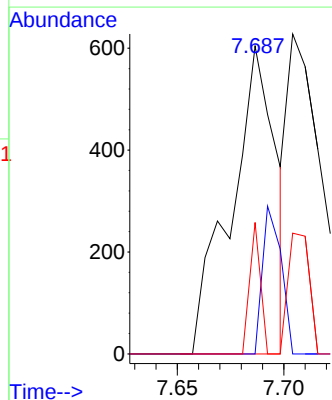
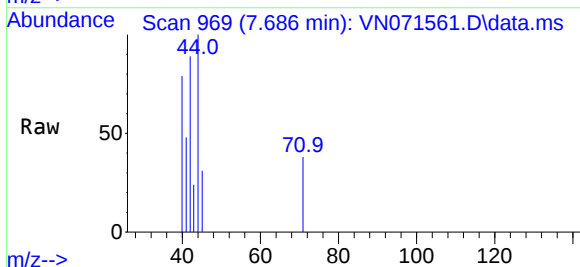
Tgt Ion: 42 Resp: 885

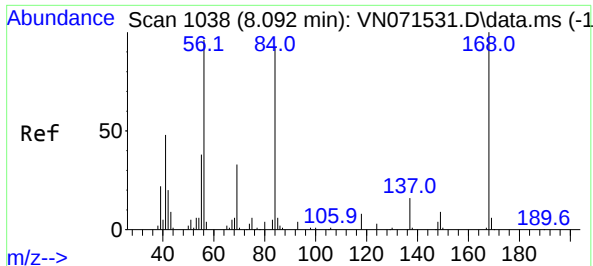
Ion Ratio Lower Upper

42 100

72 19.8 39.7 59.5#

71 10.3 36.6 55.0#

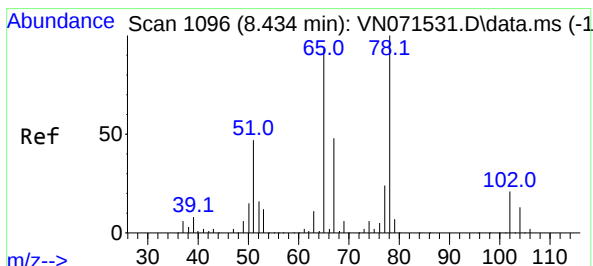
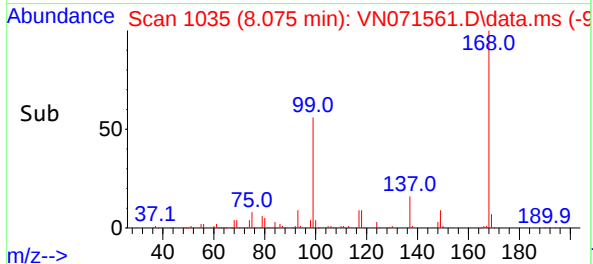
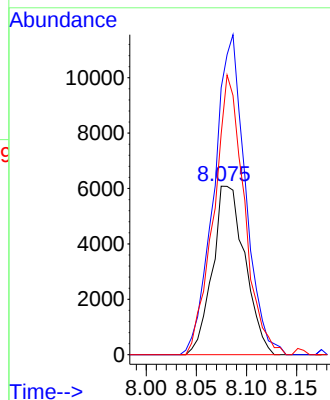
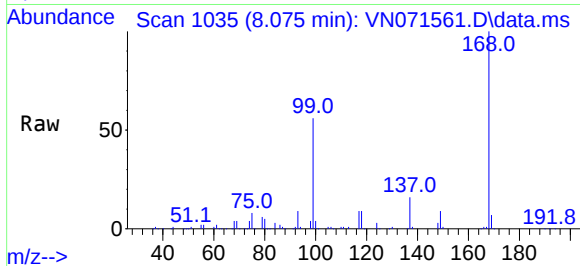




#31
Cyclohexane
Concen: 1.028 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.018 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

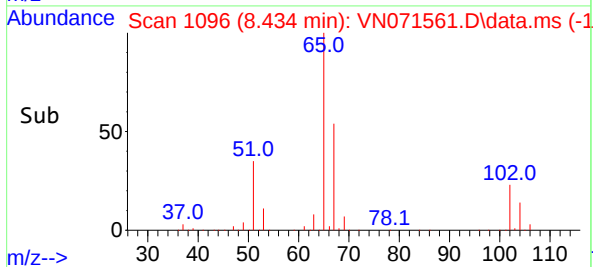
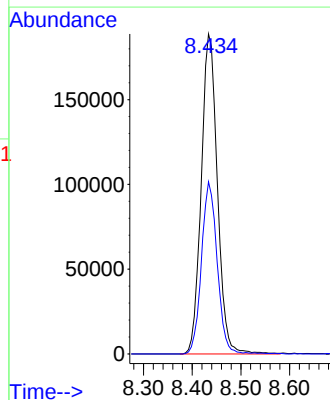
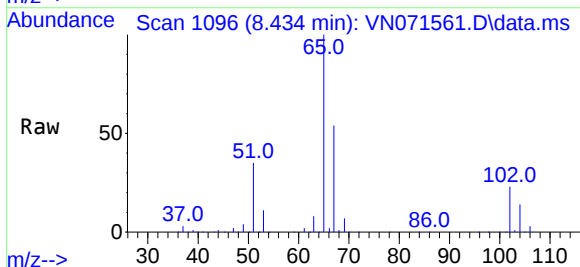
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ClientSampleId :
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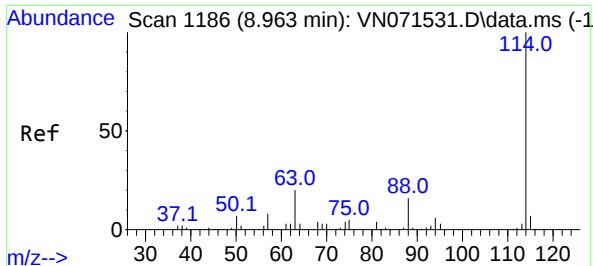
Tgt Ion: 56 Resp: 13679
Ion Ratio Lower Upper
56 100
69 158.5 27.8 41.8#
84 131.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.830 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

Tgt Ion: 65 Resp: 435332
Ion Ratio Lower Upper
65 100
67 52.3 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: VN071561.D

Acq: 25 Mar 2022 20:44

Instrument :

MSVOA_N

ClientSampleId :

WC-2

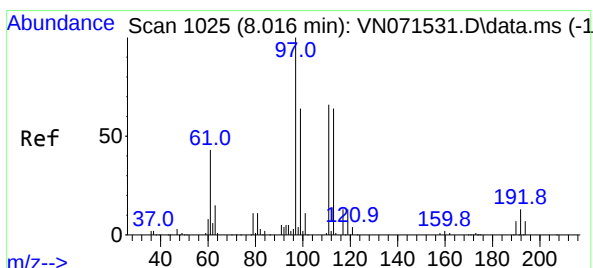
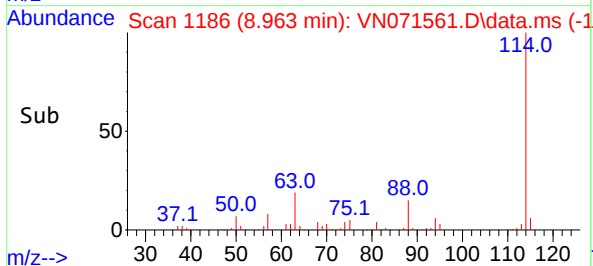
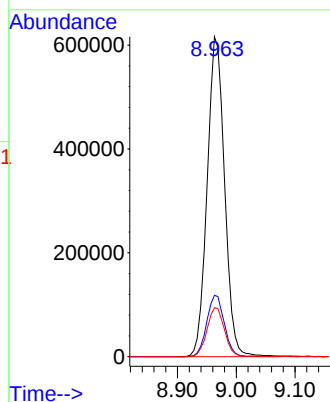
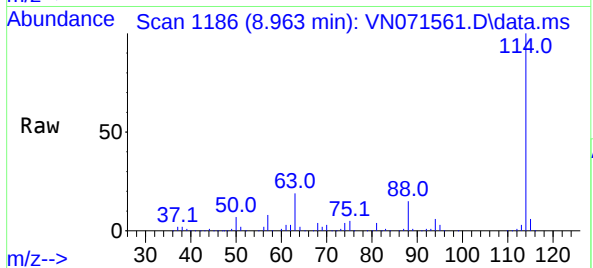
Tgt Ion:114 Resp: 1271385

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 45.243 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071561.D

Acq: 25 Mar 2022 20:44

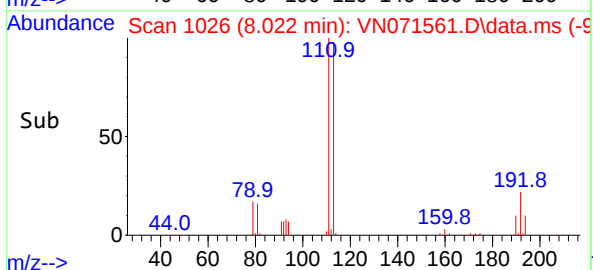
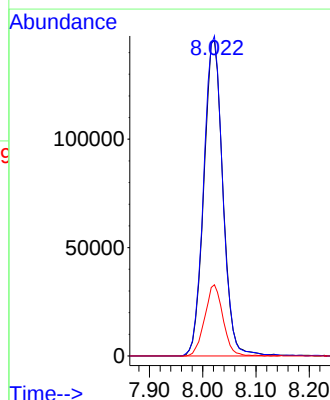
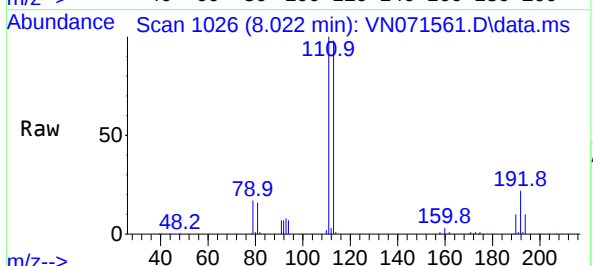
Tgt Ion:113 Resp: 361504

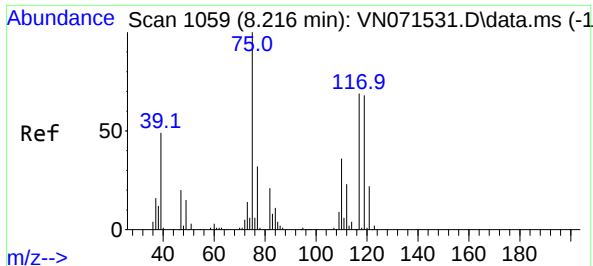
Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

192 21.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.672 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071561.D

Acq: 25 Mar 2022 20:44

Instrument :

MSVOA_N

ClientSampleId :

WC-2

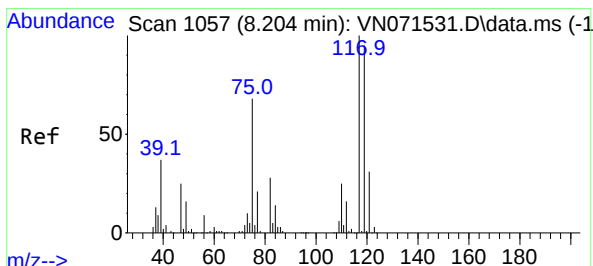
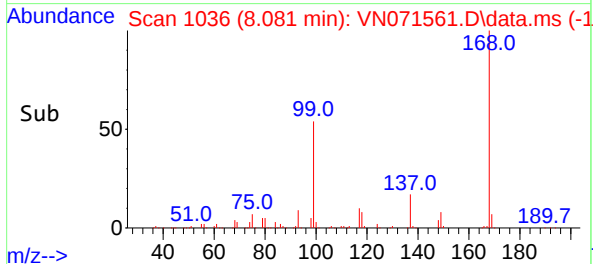
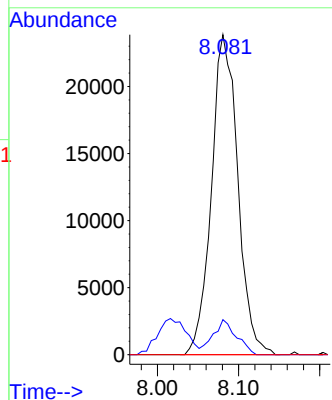
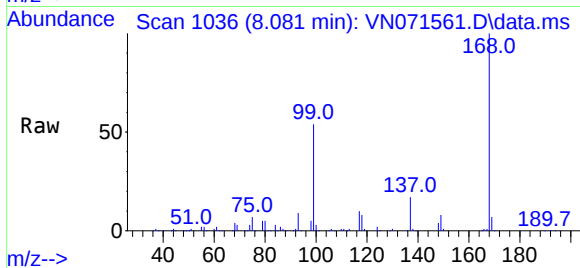
Tgt Ion: 75 Resp: 53821

Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.072 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.124 min

Lab File: VN071561.D

Acq: 25 Mar 2022 20:44

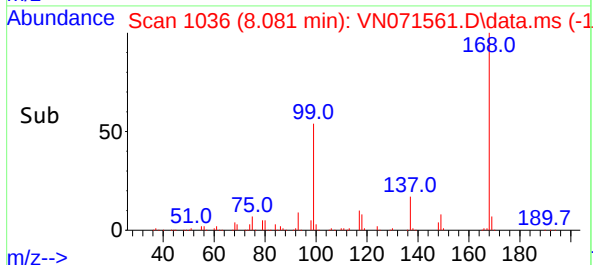
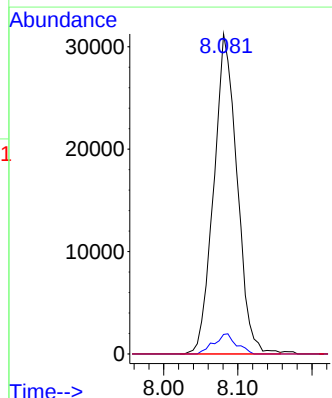
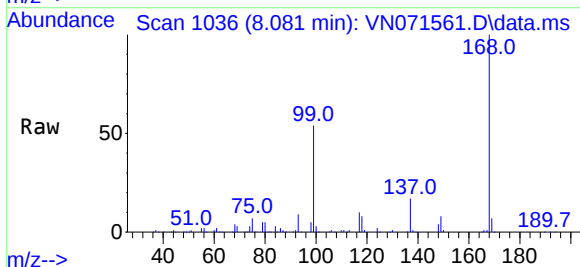
Tgt Ion: 117 Resp: 68191

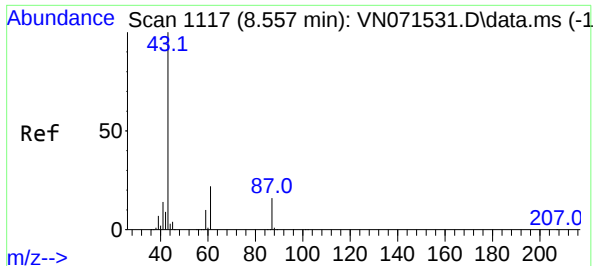
Ion Ratio Lower Upper

117 100

119 6.1 75.8 113.8#

121 0.0 24.6 37.0#

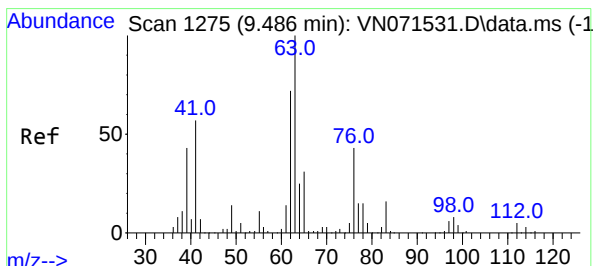
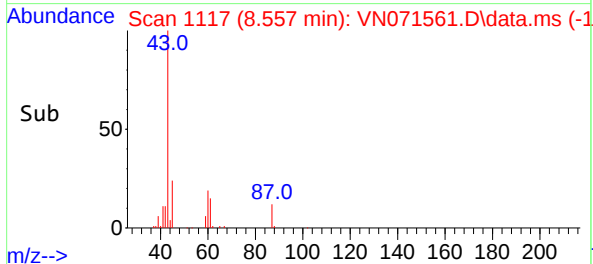
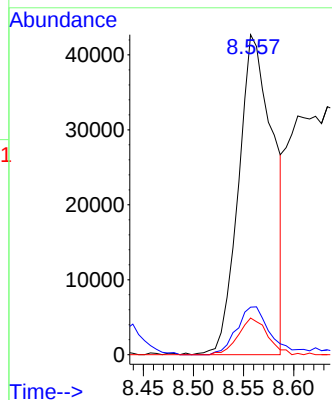
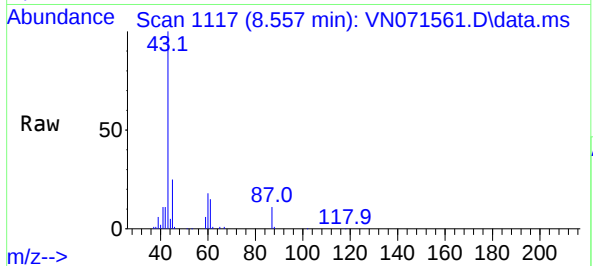




#43
Isopropyl Acetate
Concen: 4.737 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

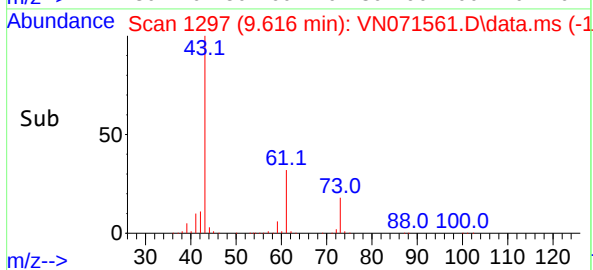
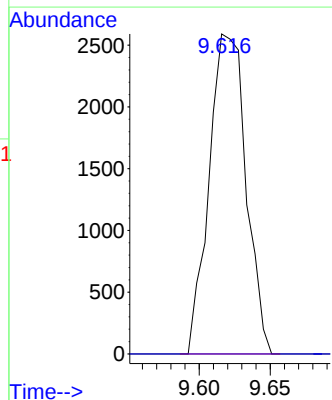
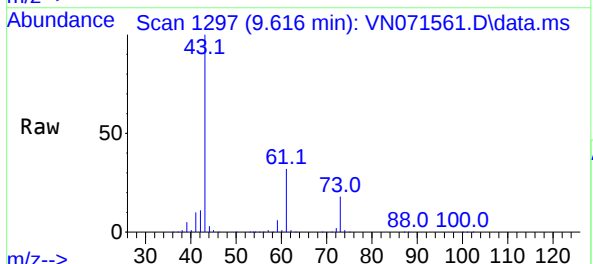
Instrument :
MSVOA_N
ClientSampleId :
WC-2

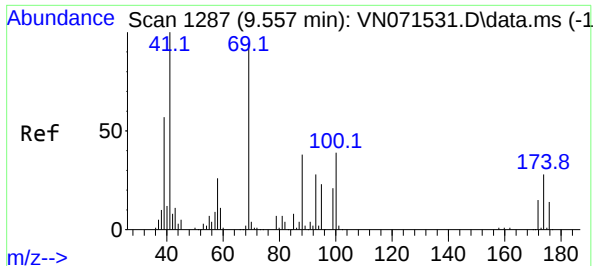
Tgt Ion: 43 Resp: 102499
Ion Ratio Lower Upper
43 100
61 14.2 21.9 32.9#
87 9.7 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.526 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.129 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

Tgt Ion: 63 Resp: 4675
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.067 ug/l

RT: 9.545 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN071561.D

Acq: 25 Mar 2022 20:44

Instrument :

MSVOA_N

ClientSampleId :

WC-2

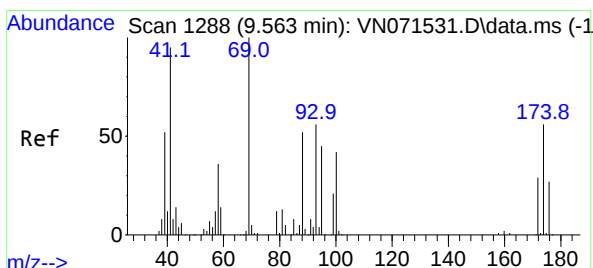
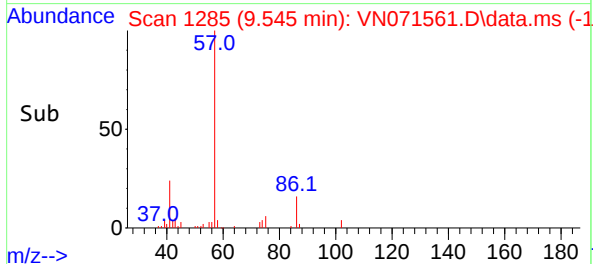
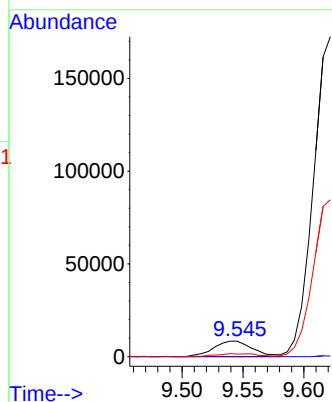
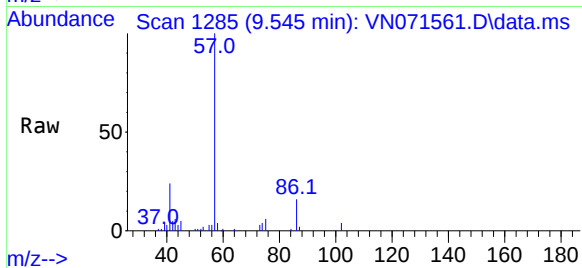
Tgt Ion: 41 Resp: 18738

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: 2.978 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN071561.D

Acq: 25 Mar 2022 20:44

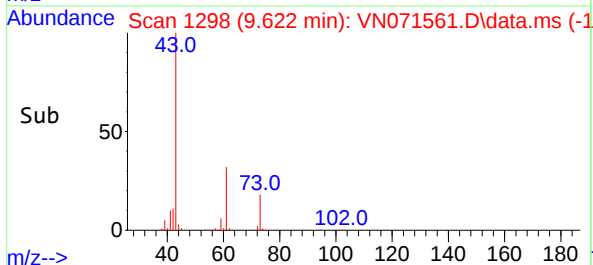
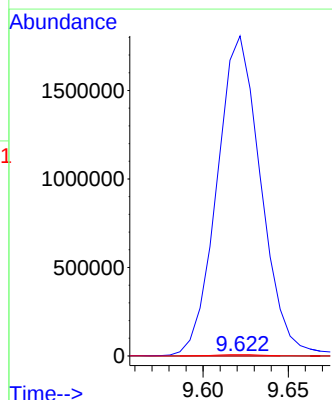
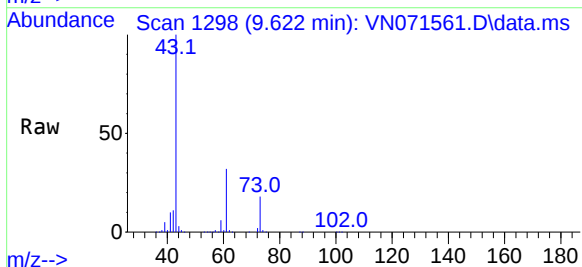
Tgt Ion: 88 Resp: 623

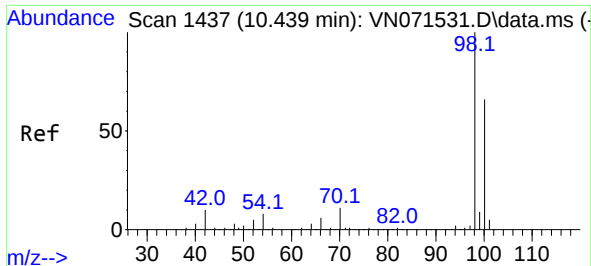
Ion Ratio Lower Upper

88 100

43 528787.6 20.2 30.4#

58 2276.7 54.2 81.4#

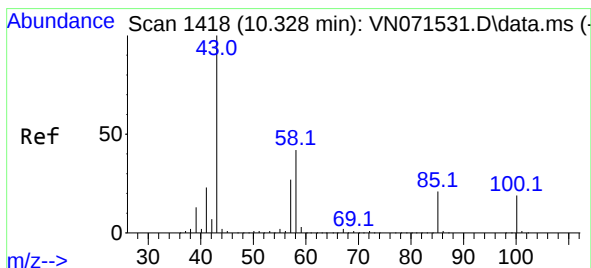
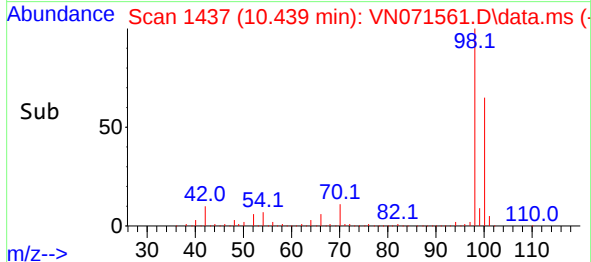
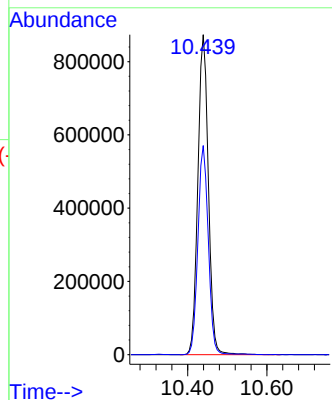
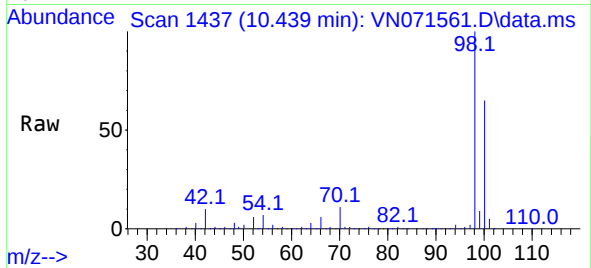




#50
Toluene-d8
Concen: 49.581 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

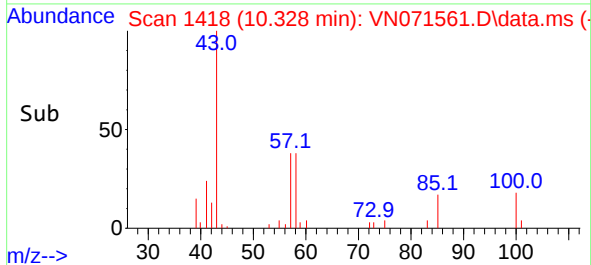
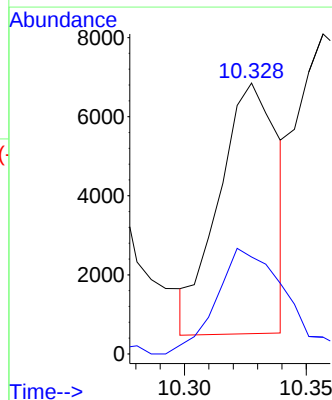
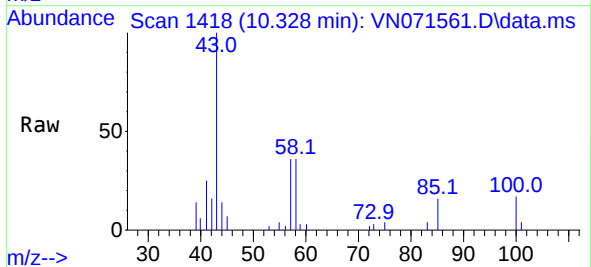
Instrument :
MSVOA_N
ClientSampleId :
WC-2

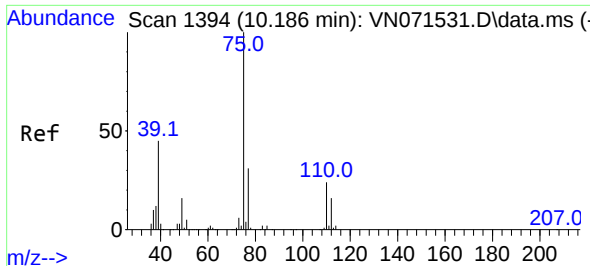
Tgt Ion: 98 Resp: 1597931
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.846 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

Tgt Ion: 43 Resp: 10635
Ion Ratio Lower Upper
43 100
58 50.9 34.1 51.1

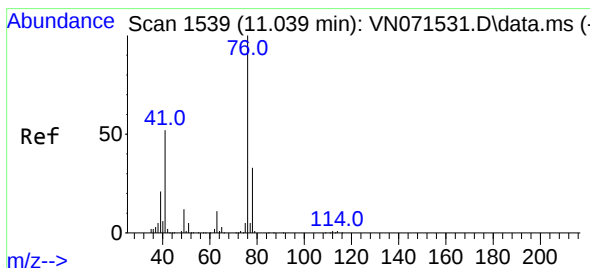
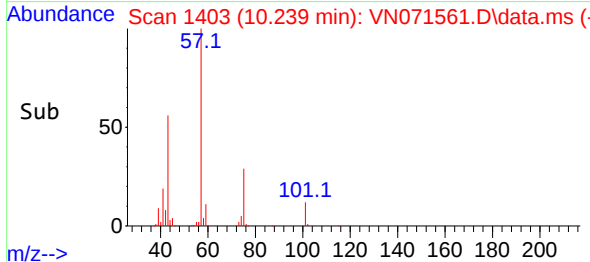
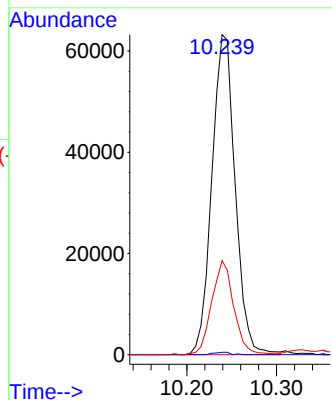
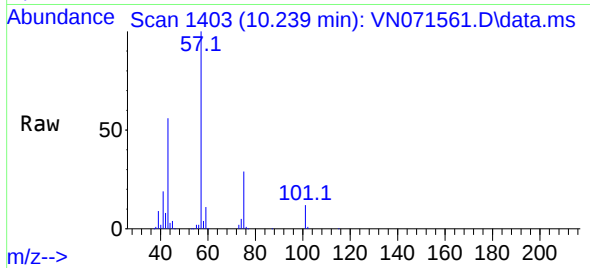




#54
cis-1,3-Dichloropropene
Concen: 8.104 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

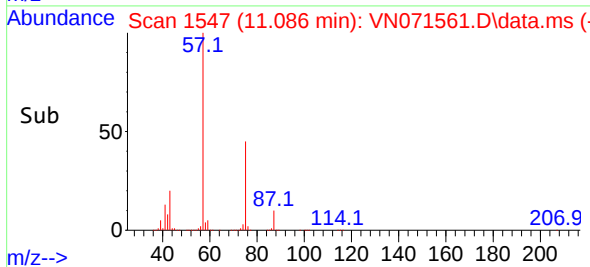
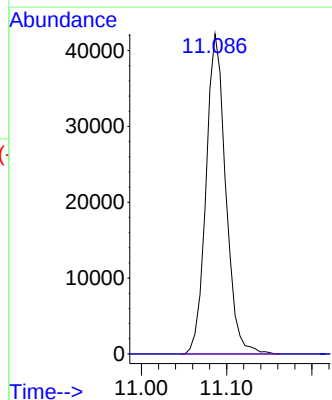
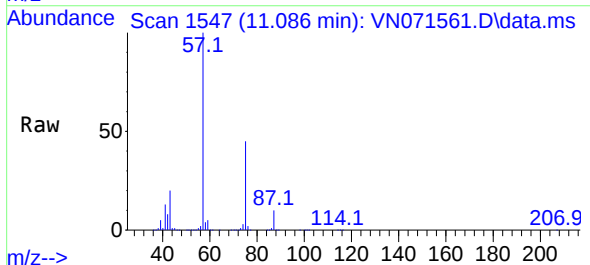
Instrument :
MSVOA_N
ClientSampleId :
WC-2

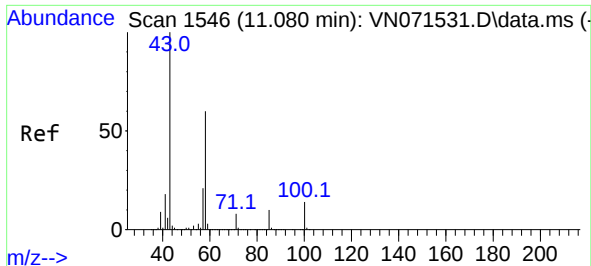
Tgt Ion: 75 Resp: 113871
Ion Ratio Lower Upper
75 100
77 0.8 25.2 37.8#
39 29.4 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 4.417 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

Tgt Ion: 76 Resp: 67626
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

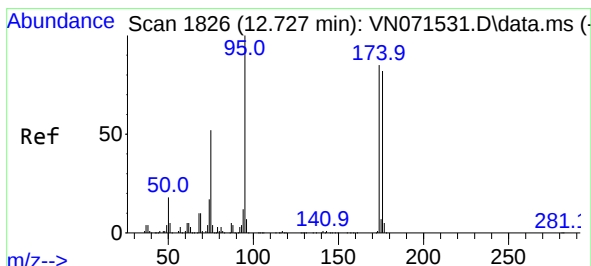
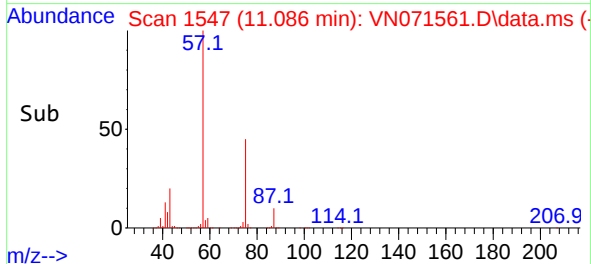
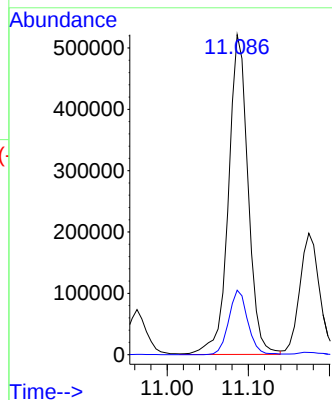
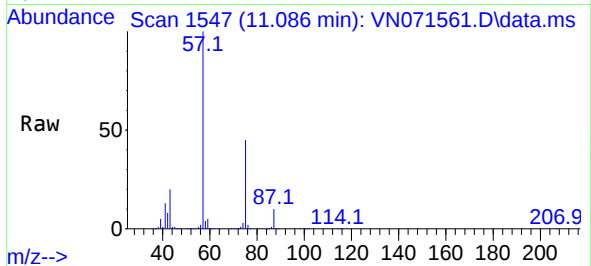




#59
2-Hexanone
Concen: 96.506 ug/l
RT: 11.086 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

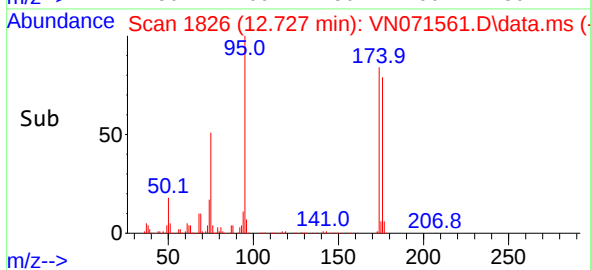
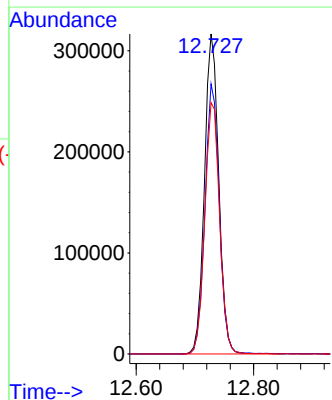
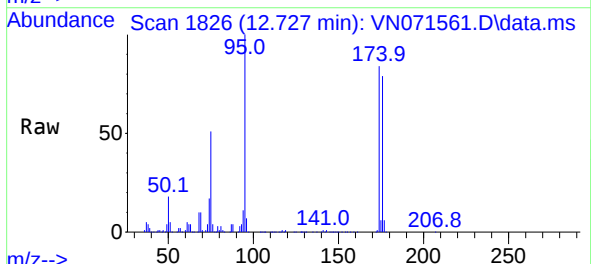
Instrument :
MSVOA_N
ClientSampleId :
WC-2

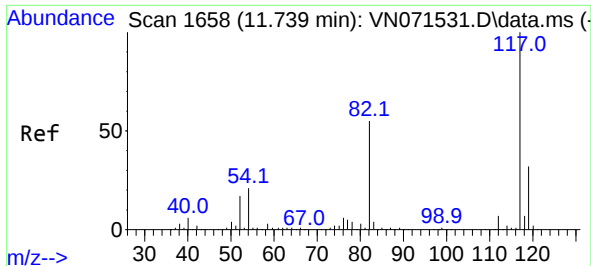
Tgt Ion: 43 Resp: 874639
Ion Ratio Lower Upper
43 100
58 19.6 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 50.561 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

Tgt Ion: 95 Resp: 533934
Ion Ratio Lower Upper
95 100
174 84.7 0.0 167.6
176 81.1 0.0 163.4

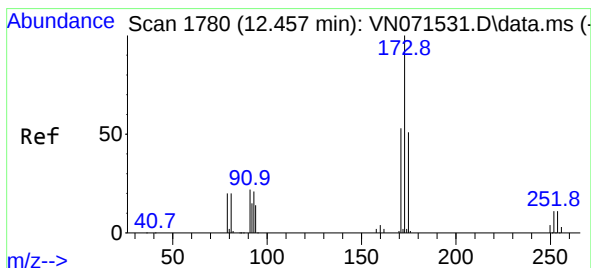
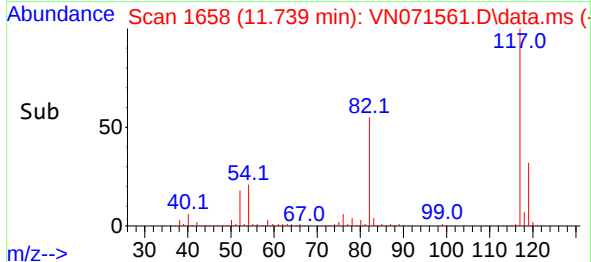
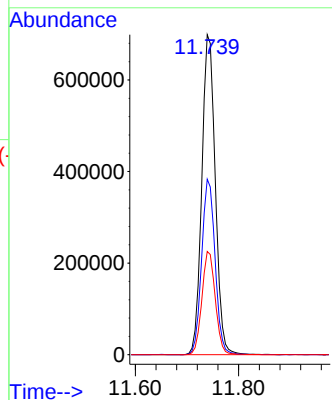
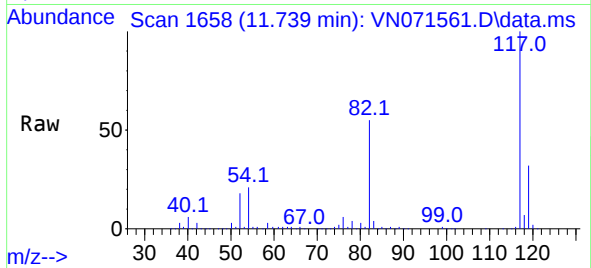




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

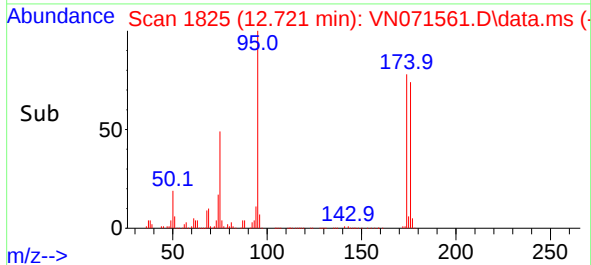
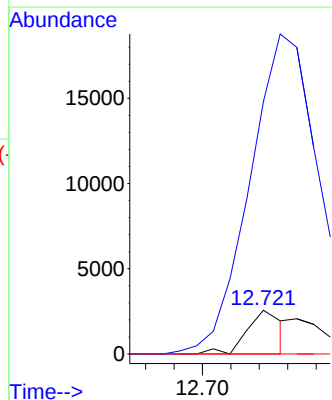
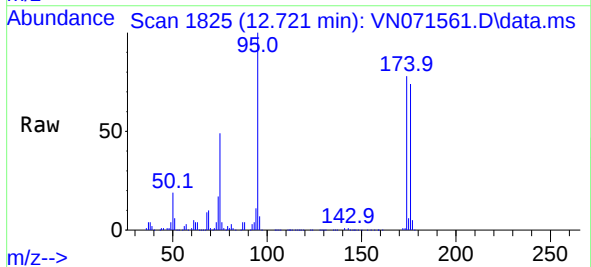
Instrument :
MSVOA_N
ClientSampleId :
WC-2

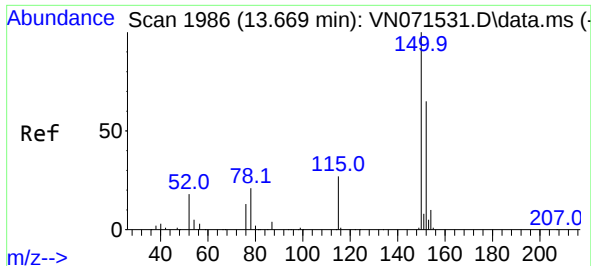
Tgt Ion:117 Resp: 1266648
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 32.3 25.4 38.0



#71
Bromoform
Concen: 0.293 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.265 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

Tgt Ion:173 Resp: 2188
Ion Ratio Lower Upper
173 100
175 1081.0 24.6 73.6#
254 0.0 0.1 0.1#

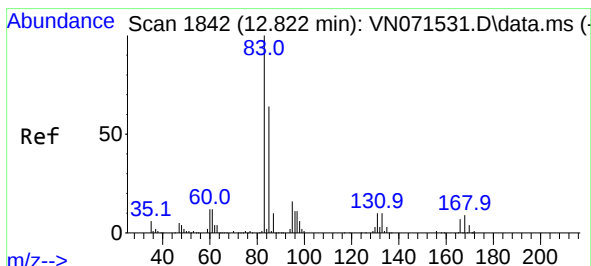
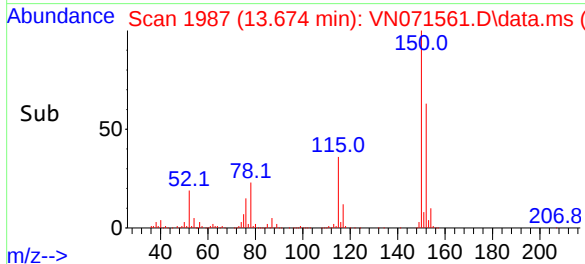
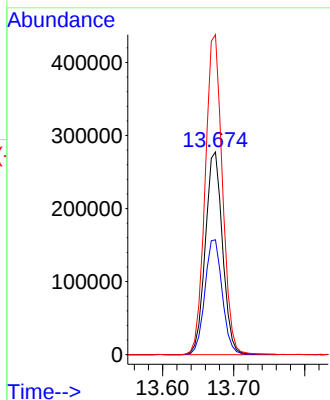
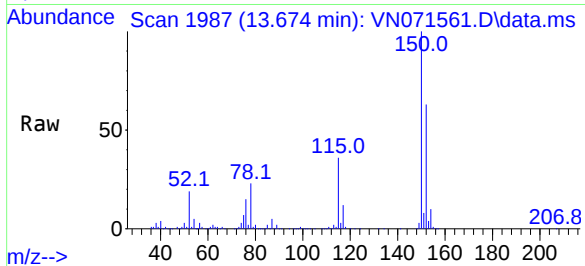




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

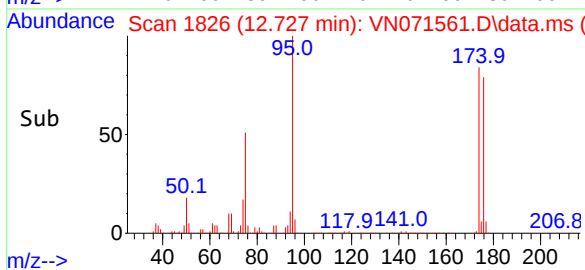
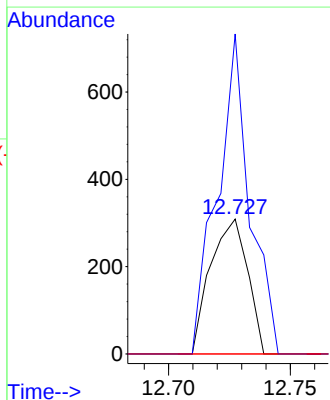
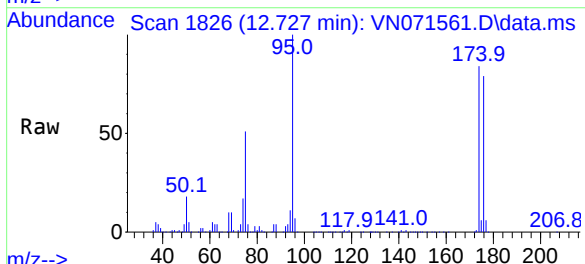
Instrument :
MSVOA_N
ClientSampleId :
WC-2

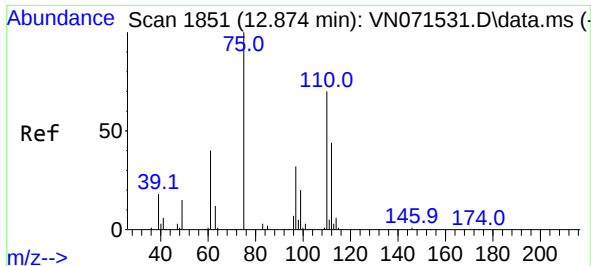
Tgt Ion:152 Resp: 468770
Ion Ratio Lower Upper
152 100
115 57.4 28.9 86.7
150 157.8 0.0 356.2



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.095 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

Tgt Ion: 83 Resp: 328
Ion Ratio Lower Upper
83 100
131 206.4 5.3 15.9#
85 0.0 32.3 96.9#

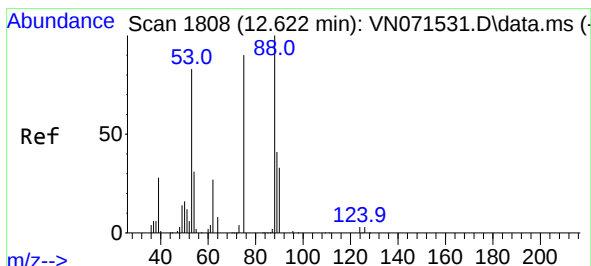
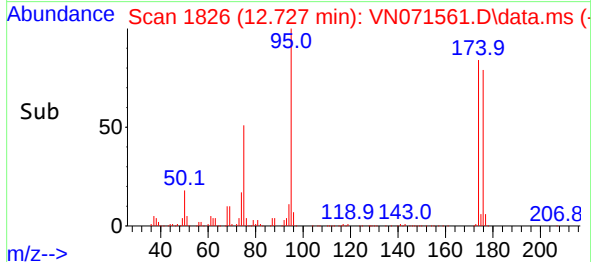
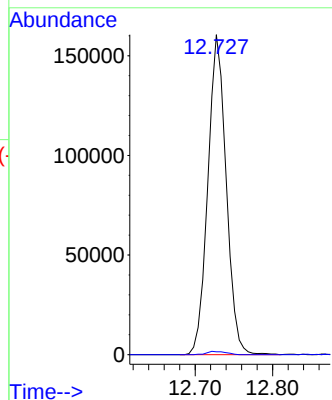
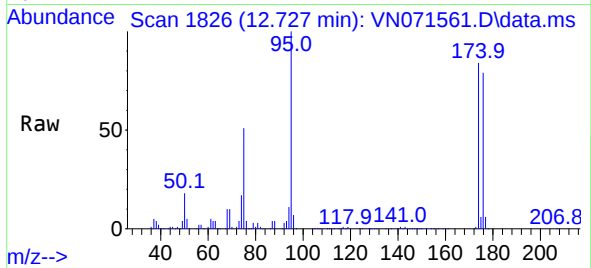




#76
1,2,3-Trichloropropane
Concen: 25.242 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

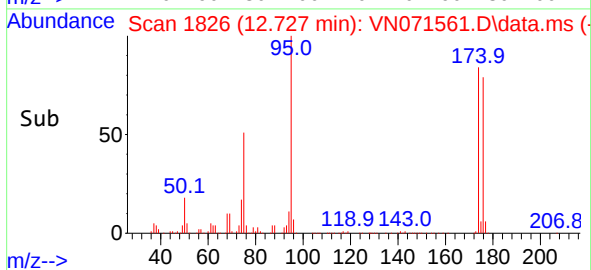
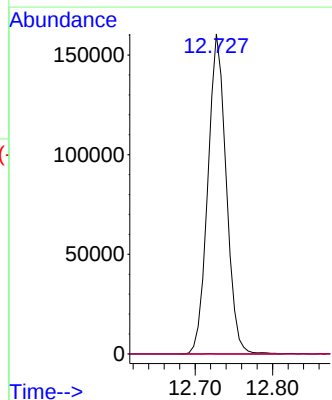
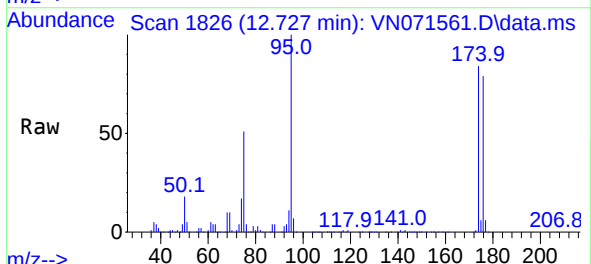
Instrument :
MSVOA_N
ClientSampleId :
WC-2

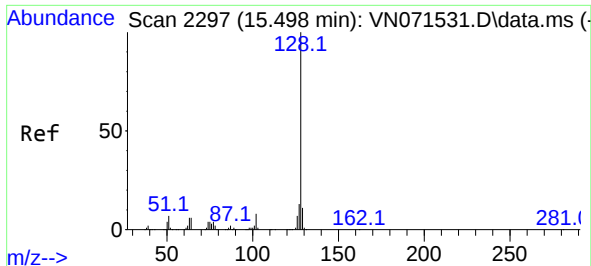
Tgt Ion: 75 Resp: 263854
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.580 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071561.D
Acq: 25 Mar 2022 20:44

Tgt Ion: 75 Resp: 263854
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 3.335 ug/l

RT: 15.510 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN071561.D

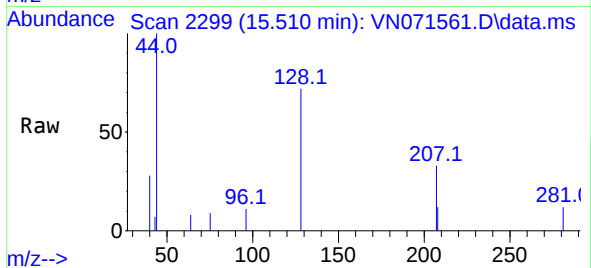
Acq: 25 Mar 2022 20:44

Instrument :

MSVOA_N

ClientSampleId :

WC-2



Tgt Ion:128 Resp: 3070

Ion Ratio Lower Upper

128 100

127 5.8 10.3 15.5#

129 3.2 8.6 13.0#

