

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030322\
 Data File : VN071155.D
 Acq On : 03 Mar 2022 15:58
 Operator : JC\MD
 Sample : N1750-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2-Q2

Quant Time: Mar 04 01:14:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

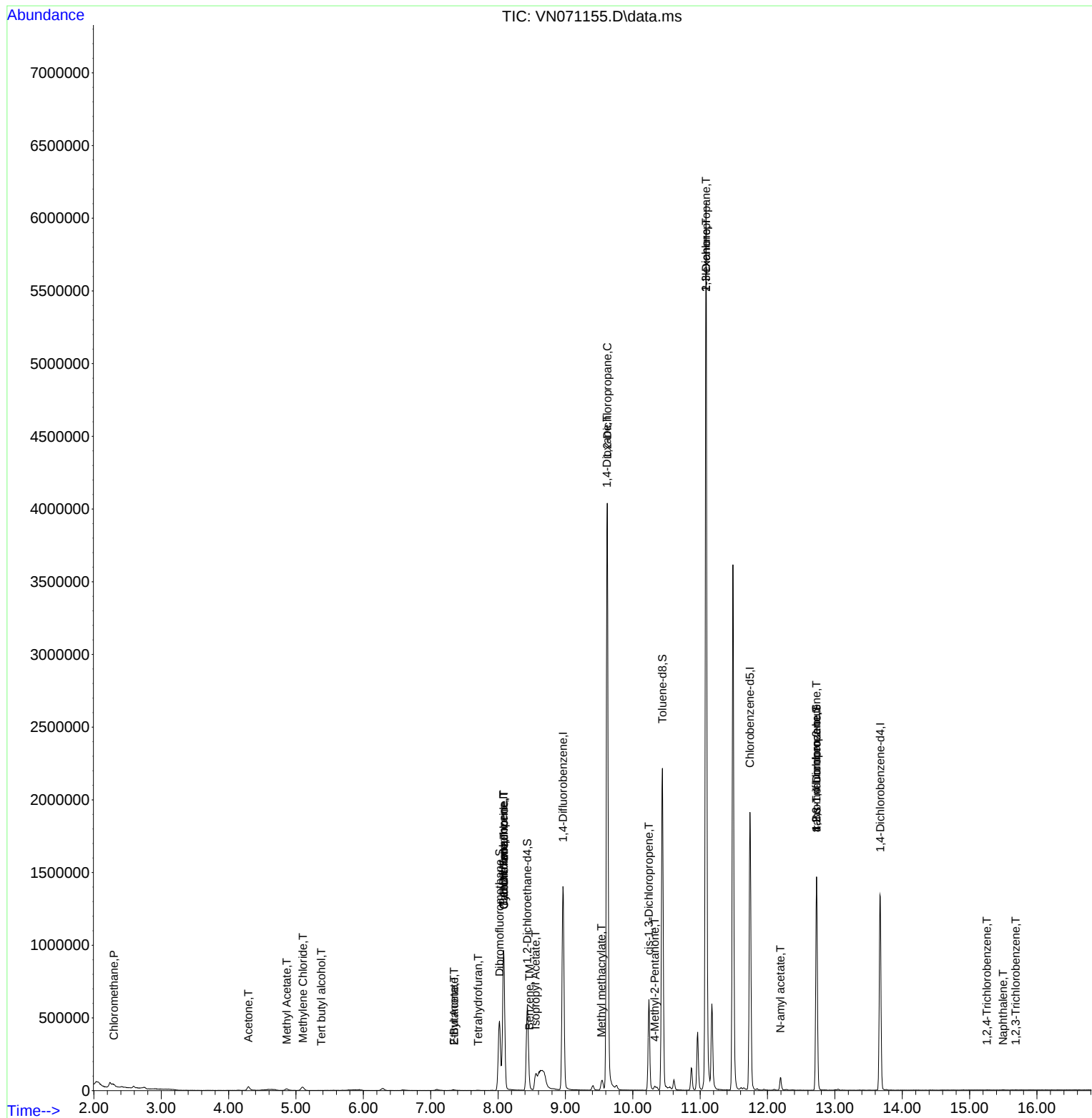
Internal Standards						
1) Pentafluorobenzene	8.081	168	752358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1241922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1120163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	384660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	472658	54.997	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.000%			
35) Dibromofluoromethane	8.022	113	358931	48.590	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.180%			
50) Toluene-d8	10.439	98	1531050	51.611	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.220%			
62) 4-Bromofluorobenzene	12.727	95	511592	48.247	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.500%			
Target Compounds						Qvalue
3) Chloromethane	2.299	50	3717	0.378	ug/l #	88
11) Tert butyl alcohol	5.375	59	331	0.211	ug/l #	71
16) Acetone	4.293	43	44594	9.422	ug/l	99
18) Methyl Acetate	4.863	43	23757	1.710	ug/l	94
20) Methylene Chloride	5.104	84	19185	2.230	ug/l #	87
25) 2-Butanone	7.345	43	9491	1.507	ug/l #	71
29) Tetrahydrofuran	7.704	42	1827	0.448	ug/l #	47
31) Cyclohexane	8.087	56	15357	1.033	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	58888	4.866	ug/l #	49
37) Ethyl Acetate	7.345	43	9491	0.731	ug/l #	68
38) Carbon Tetrachloride	8.087	117	72316	6.065	ug/l #	15
40) Benzene	8.463	78	9300	0.260	ug/l #	85
43) Isopropyl Acetate	8.557	43	134529	6.576	ug/l #	77
45) 1,2-Dichloropropane	9.622	63	5557	0.606	ug/l #	44
48) Methyl methacrylate	9.534	41	21089	2.178	ug/l #	8
49) 1,4-Dioxane	9.616	88	667	3.878	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	19136	1.537	ug/l	98
54) cis-1,3-Dichloropropene	10.239	75	110142	7.563	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	62576	4.109	ug/l #	43
59) 2-Hexanone	11.086	43	978018	114.245	ug/l #	50
74) N-amyl acetate	12.192	43	30577	3.089	ug/l #	52
76) 1,2,3-Trichloropropane	12.727	75	265886	29.357	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	265886	95.132	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	562	2.075	ug/l #	88
95) Naphthalene	15.498	128	2129	5.101	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.686	180	98	2.530	ug/l #	12

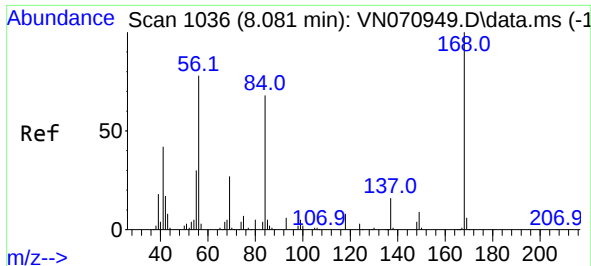
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

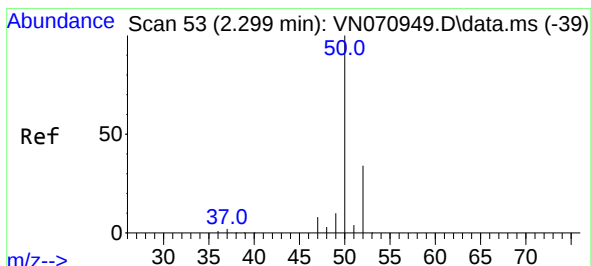
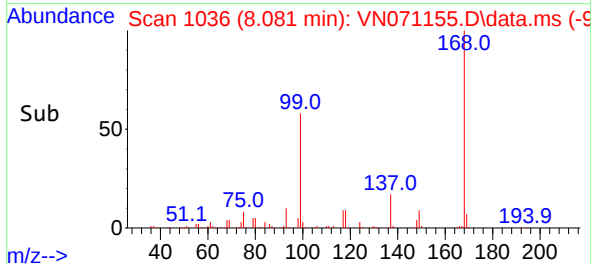
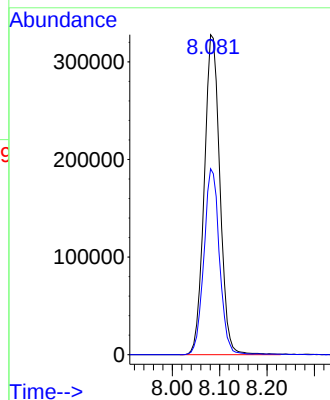
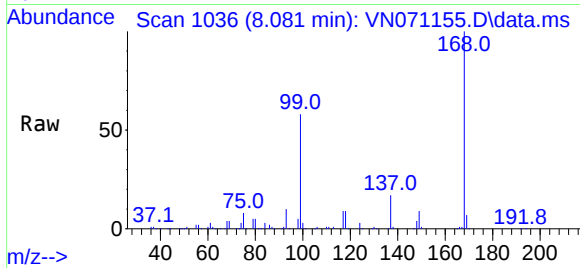




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

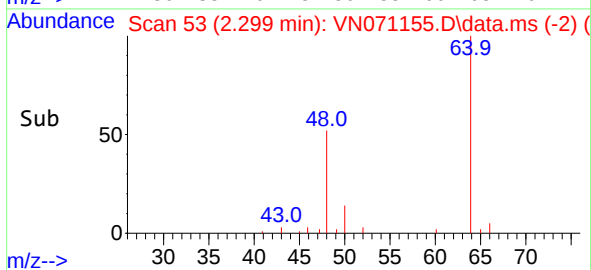
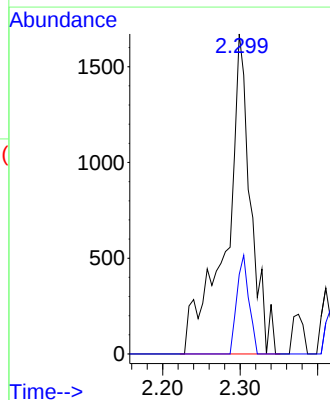
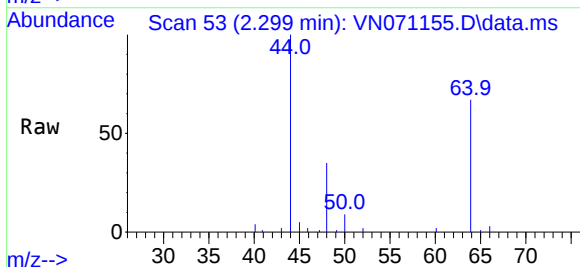
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q2

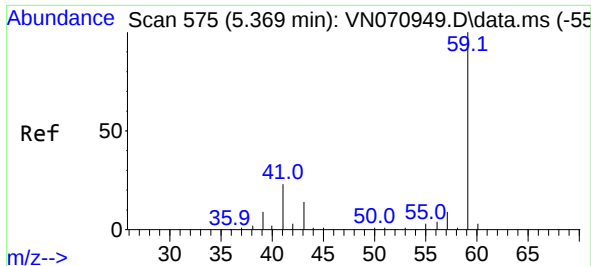
Tgt Ion:168 Resp: 752358
Ion Ratio Lower Upper
168 100
99 58.1 41.3 61.9



#3
Chloromethane
Concen: 0.378 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Tgt Ion: 50 Resp: 3717
Ion Ratio Lower Upper
50 100
52 24.8 25.4 38.0#





#11

Tert butyl alcohol

Concen: 0.211 ug/l

RT: 5.375 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN071155.D

Acq: 03 Mar 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

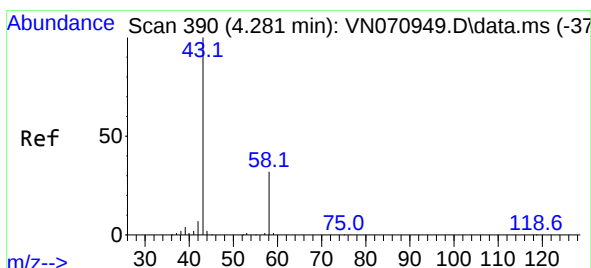
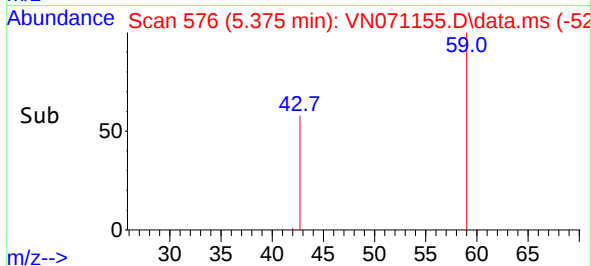
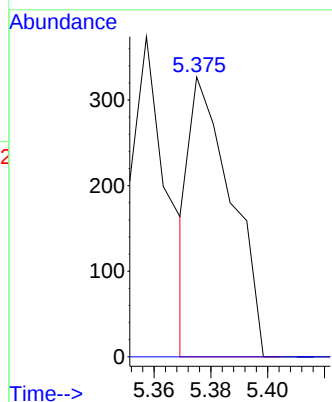
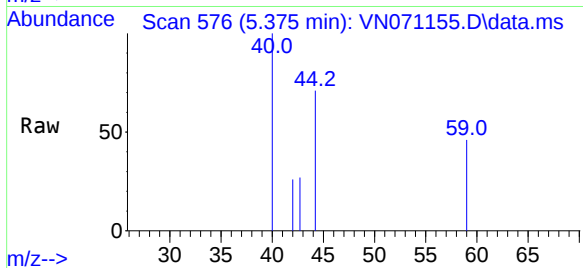
WC-2-Q2

Tgt Ion: 59 Resp: 331

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 9.422 ug/l

RT: 4.293 min Scan# 392

Delta R.T. 0.012 min

Lab File: VN071155.D

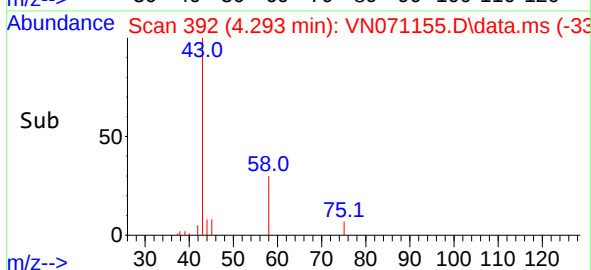
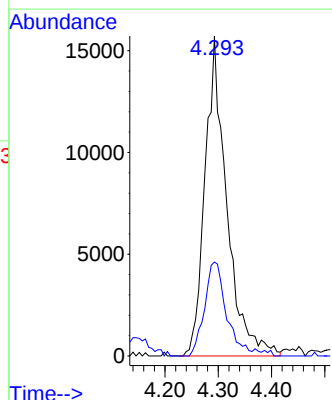
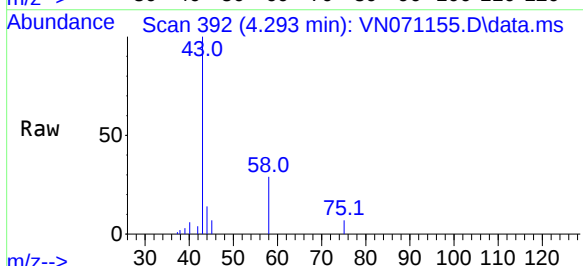
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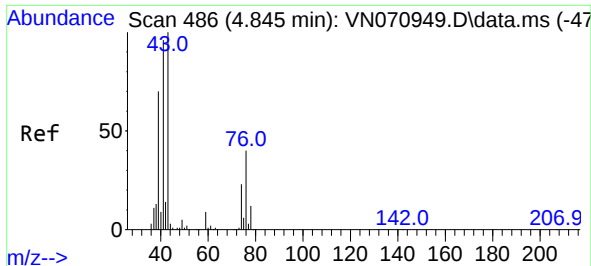
Tgt Ion: 43 Resp: 44594

Ion Ratio Lower Upper

43 100

58 29.3 23.1 34.7

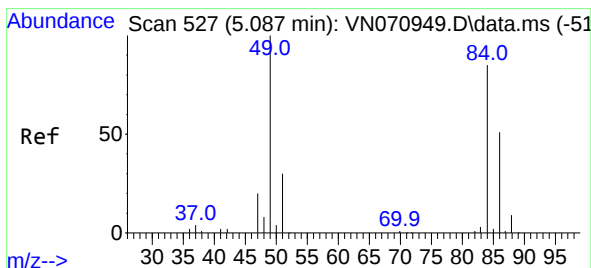
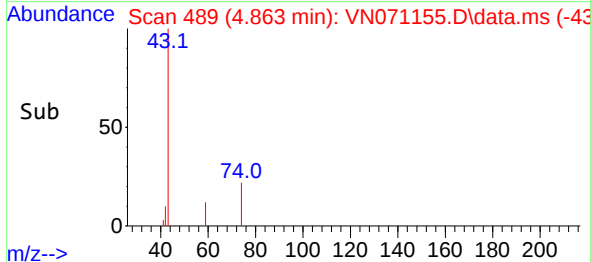
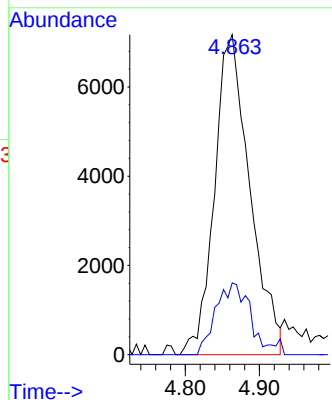
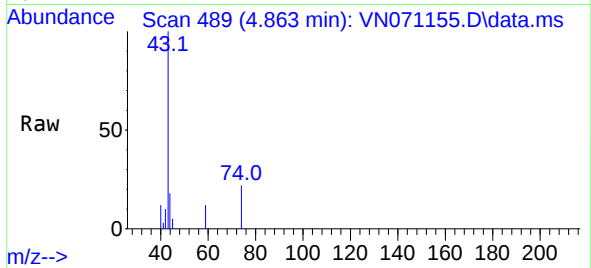




#18
Methyl Acetate
Concen: 1.710 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

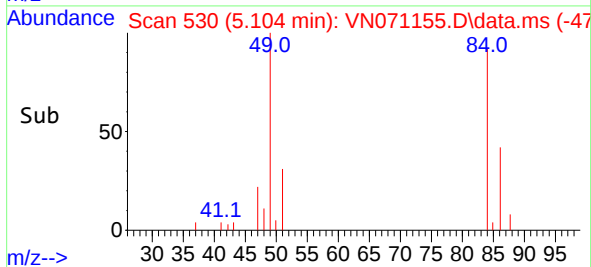
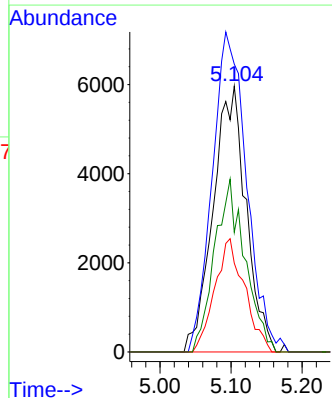
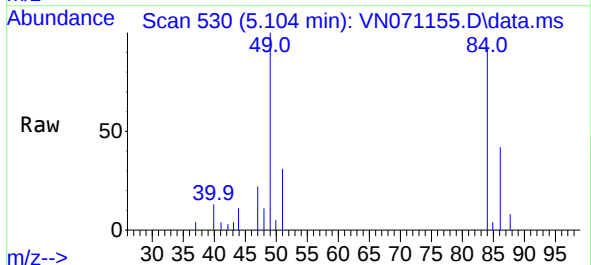
Instrument :
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WC-2-Q2

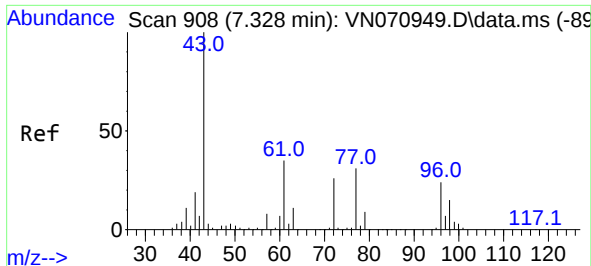
Tgt Ion: 43 Resp: 23757
Ion Ratio Lower Upper
43 100
74 21.2 19.4 29.2



#20
Methylene Chloride
Concen: 2.230 ug/l
RT: 5.104 min Scan# 530
Delta R.T. 0.018 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Tgt Ion: 84 Resp: 19185
Ion Ratio Lower Upper
84 100
49 108.3 93.5 140.3
51 33.4 29.4 44.2
86 45.0 53.0 79.4#

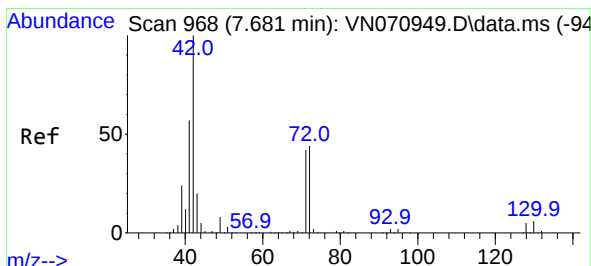
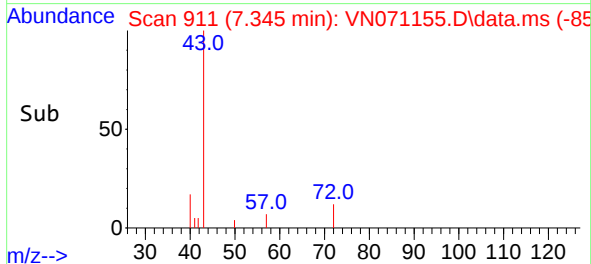
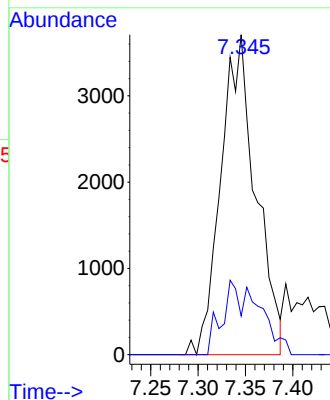
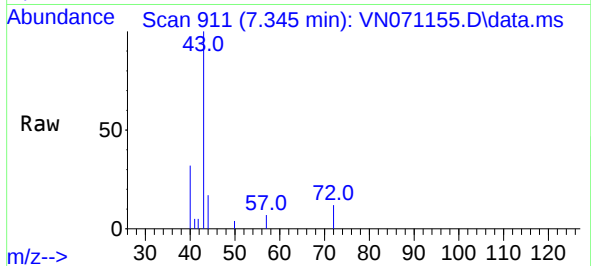




#25
2-Butanone
Concen: 1.507 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

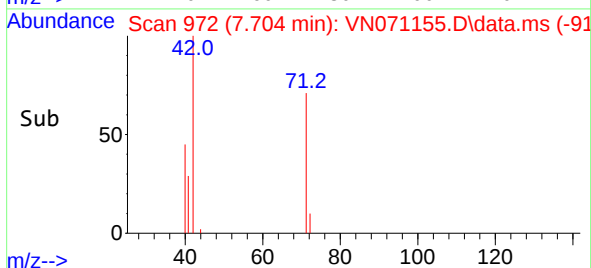
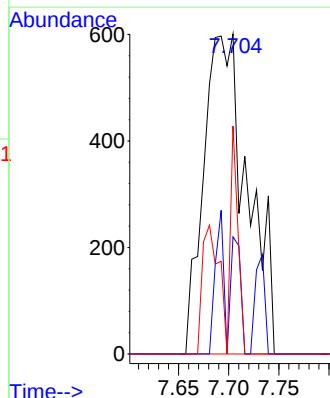
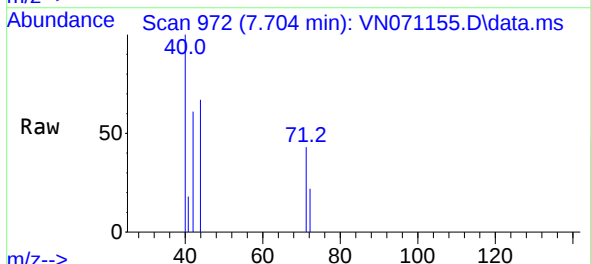
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q2

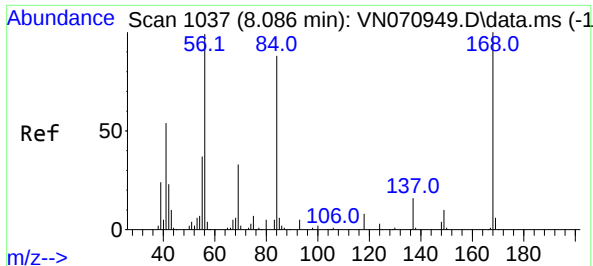
Tgt Ion: 43 Resp: 9491
Ion Ratio Lower Upper
43 100
72 12.1 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.448 ug/l
RT: 7.704 min Scan# 972
Delta R.T. 0.024 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Tgt Ion: 42 Resp: 1827
Ion Ratio Lower Upper
42 100
72 8.2 36.3 54.5#
71 12.0 34.7 52.1#

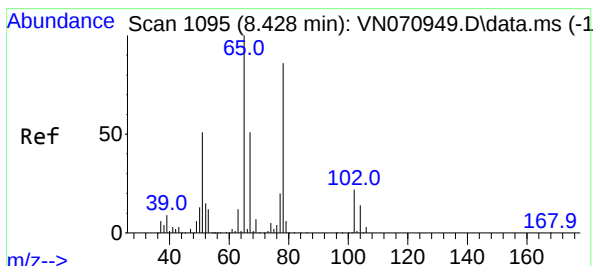
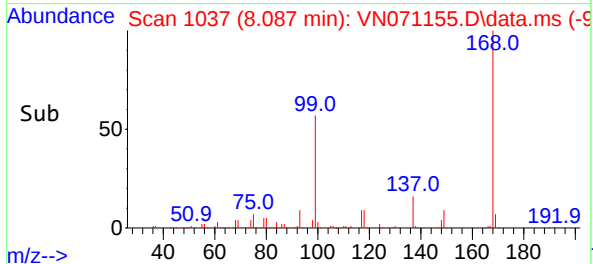
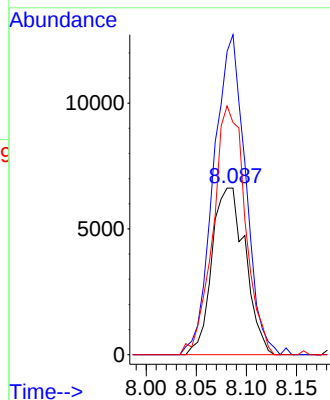
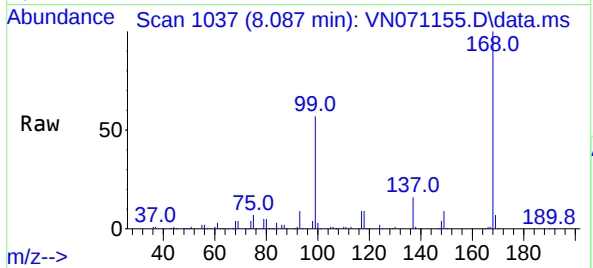




#31
Cyclohexane
Concen: 1.033 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

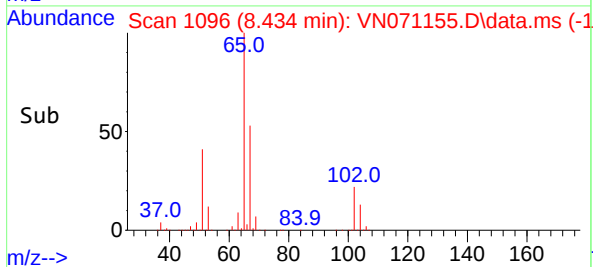
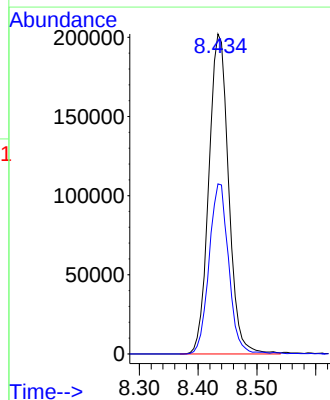
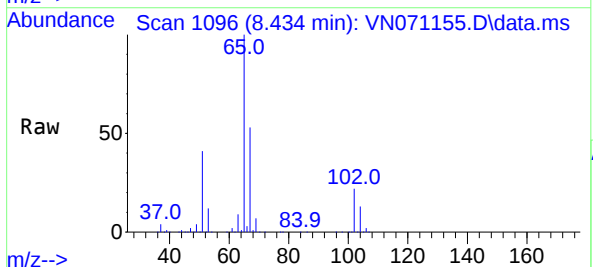
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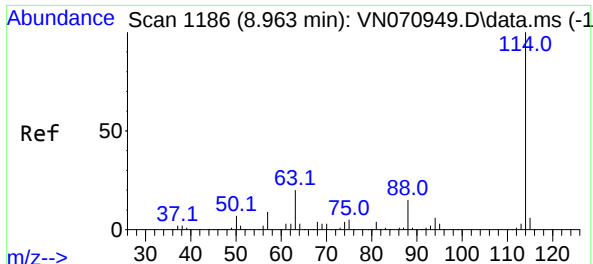
Tgt Ion: 56 Resp: 15357
Ion Ratio Lower Upper
56 100
69 192.1 27.1 40.7#
84 139.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 54.997 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Tgt Ion: 65 Resp: 472658
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0

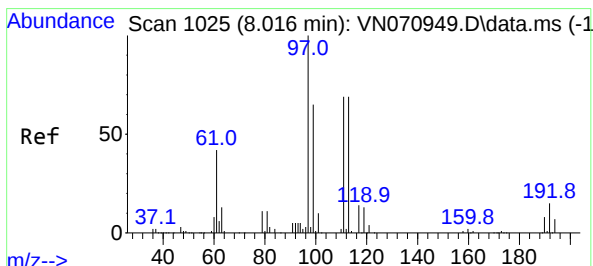
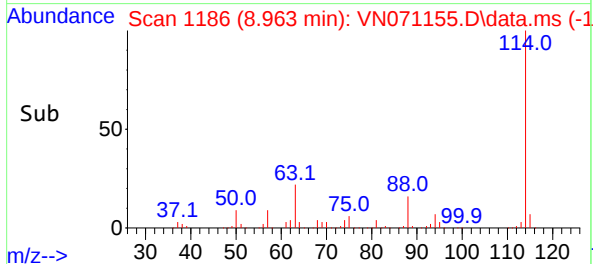
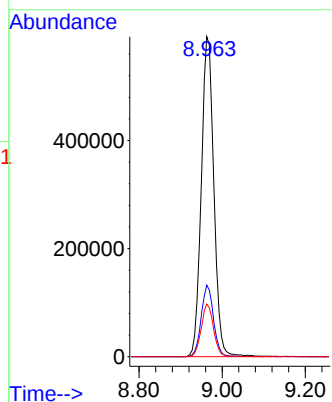
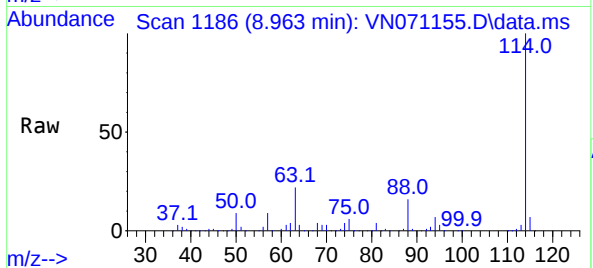




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

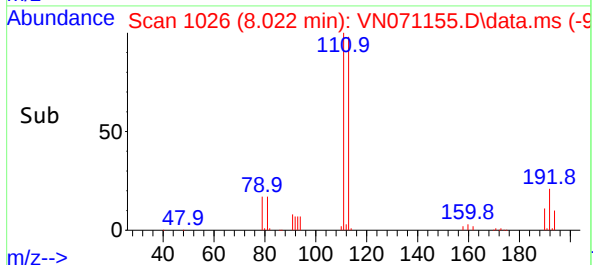
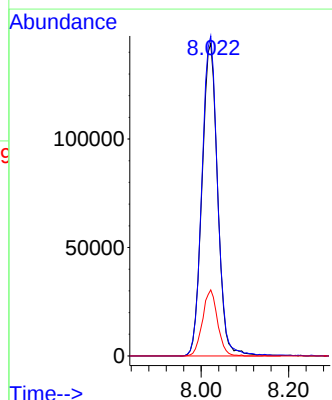
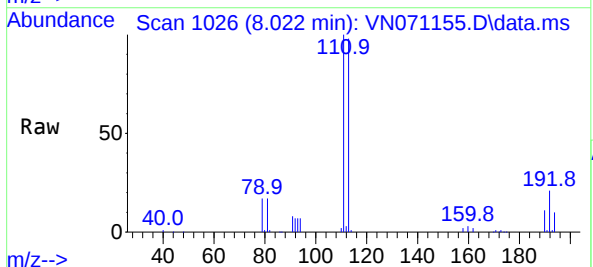
Instrument :
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WC-2-Q2

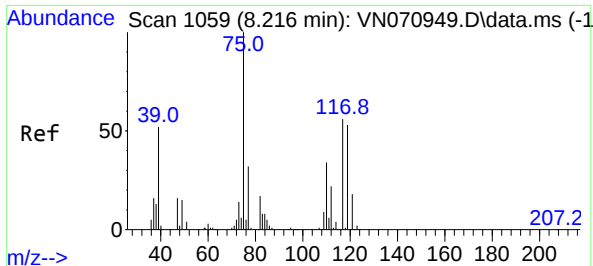
Tgt Ion:114 Resp: 1241922
Ion Ratio Lower Upper
114 100
63 22.4 0.0 37.8
88 16.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.590 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Tgt Ion:113 Resp: 358931
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 20.3 16.9 25.3

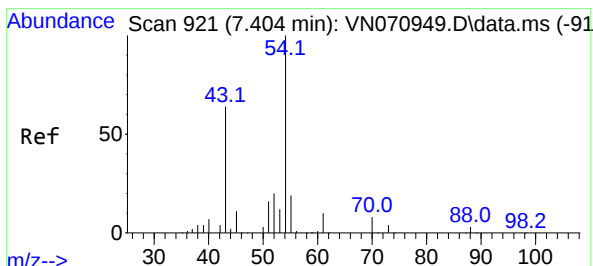
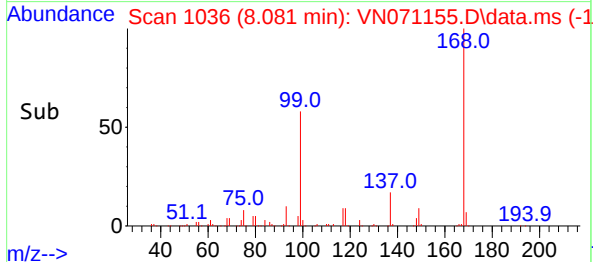
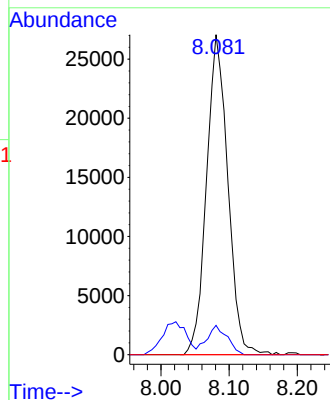
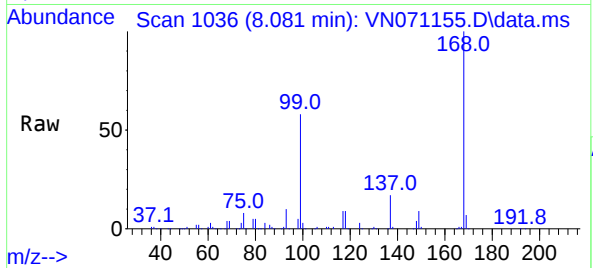




#36
1,1-Dichloropropene
Concen: 4.866 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

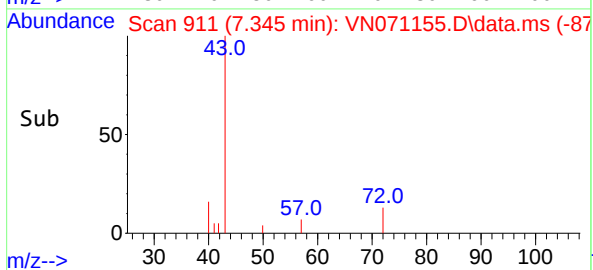
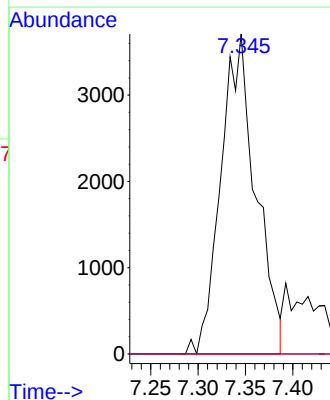
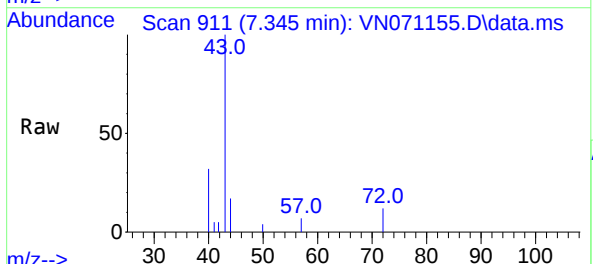
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q2

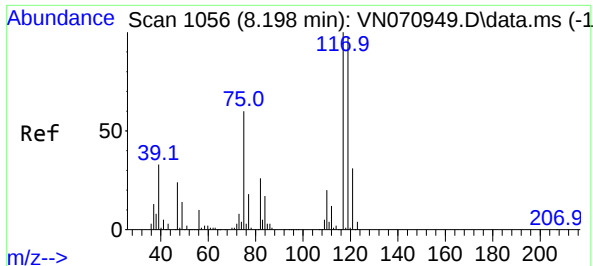
Tgt Ion: 75 Resp: 58888
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.731 ug/l
RT: 7.345 min Scan# 911
Delta R.T. -0.059 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Tgt Ion: 43 Resp: 9491
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

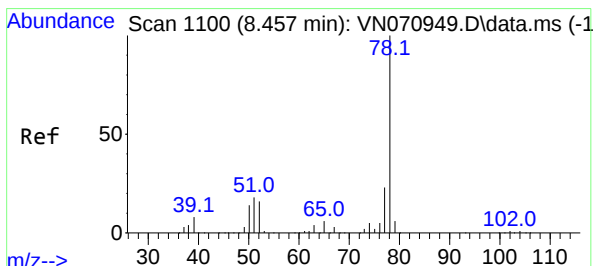
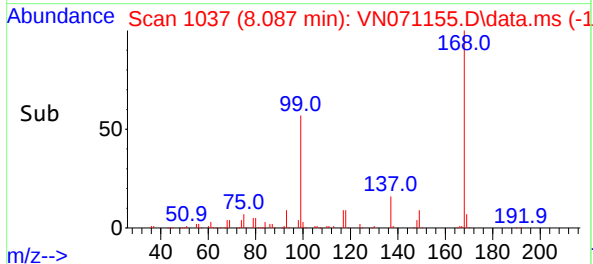
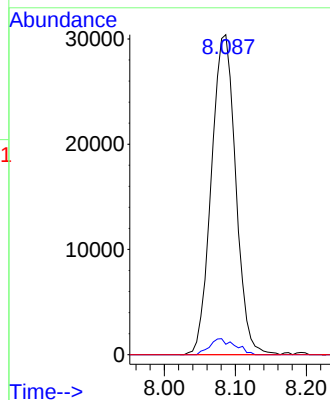
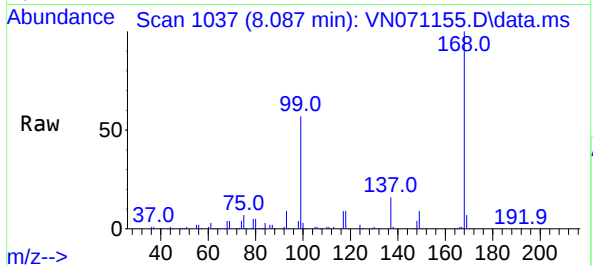




#38
Carbon Tetrachloride
Concen: 6.065 ug/l
RT: 8.087 min Scan# 110
Delta R.T. -0.112 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

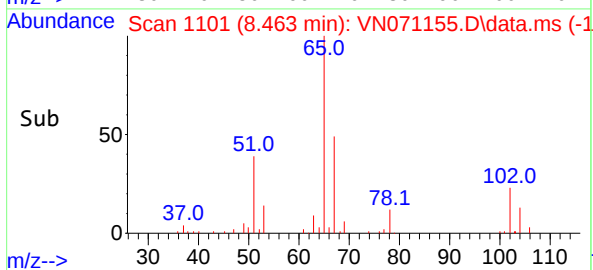
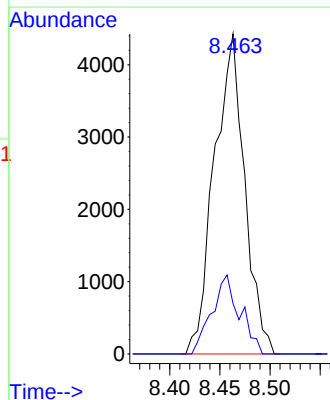
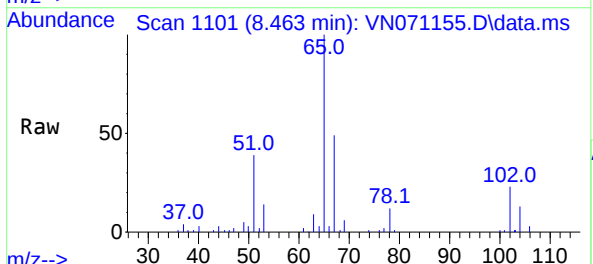
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q2

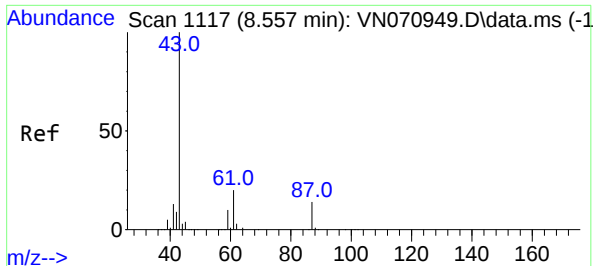
Tgt Ion:117 Resp: 72316
Ion Ratio Lower Upper
117 100
119 3.2 76.1 114.1#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.260 ug/l
RT: 8.463 min Scan# 1101
Delta R.T. 0.006 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Tgt Ion: 78 Resp: 9300
Ion Ratio Lower Upper
78 100
77 15.8 18.6 27.8#

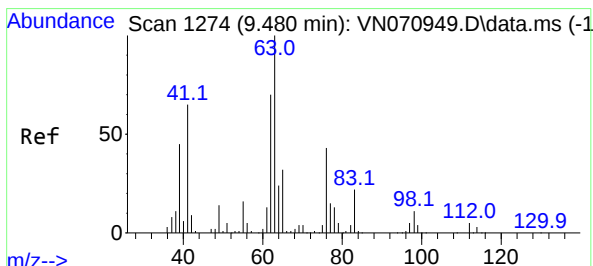
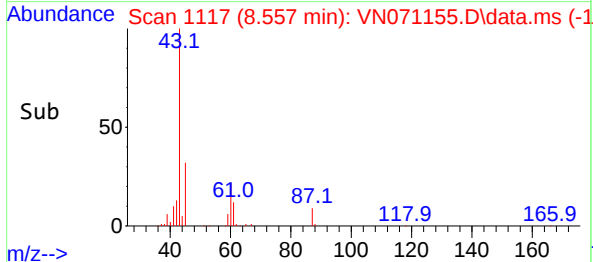
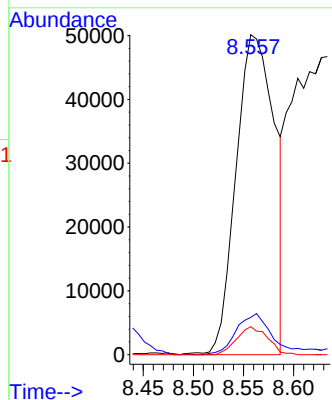
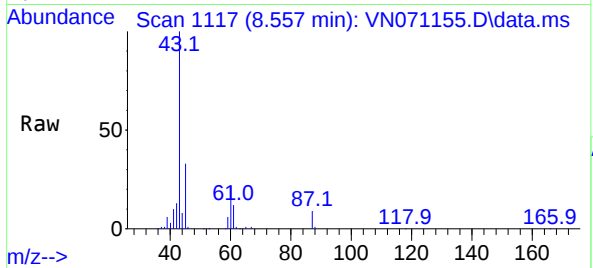




#43
Isopropyl Acetate
Concen: 6.576 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

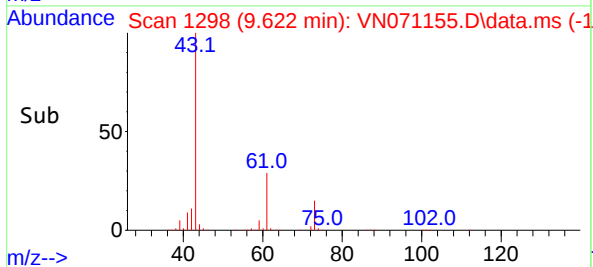
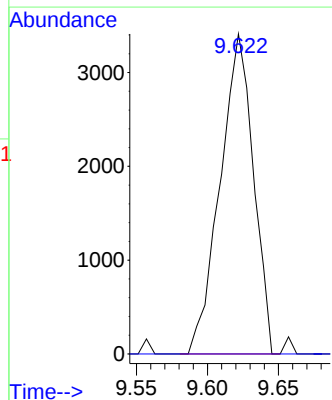
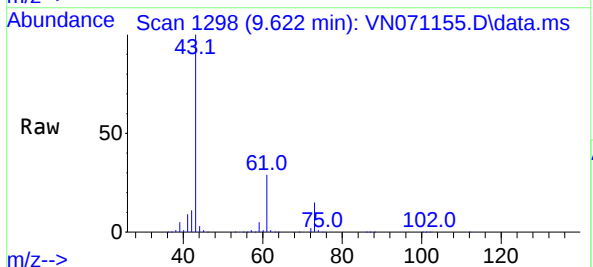
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q2

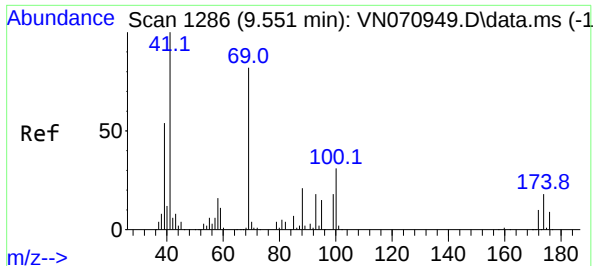
Tgt Ion: 43 Resp: 134529
Ion Ratio Lower Upper
43 100
61 12.4 20.4 30.6#
87 7.0 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.606 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.141 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Tgt Ion: 63 Resp: 5557
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 2.178 ug/l

RT: 9.534 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN071155.D

Acq: 03 Mar 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

WC-2-Q2

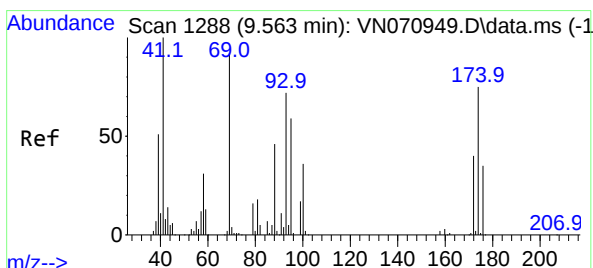
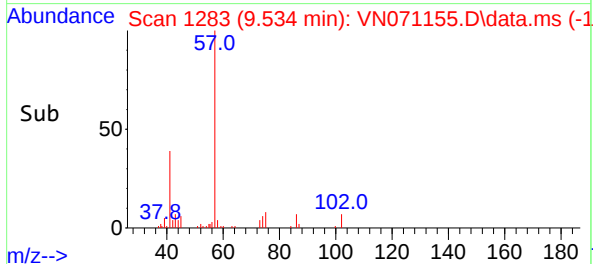
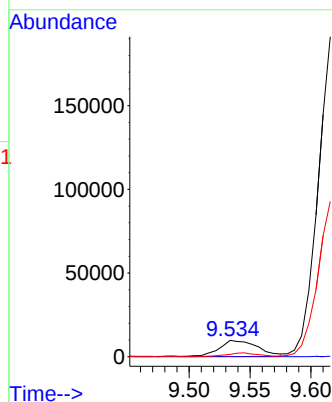
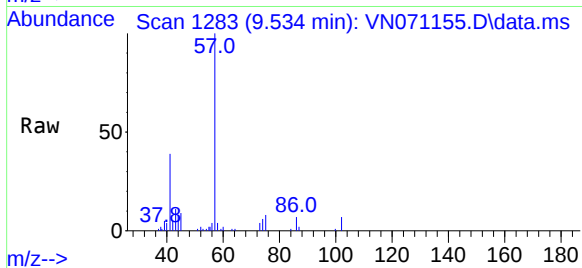
Tgt Ion: 41 Resp: 21089

Ion Ratio Lower Upper

41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#



#49

1,4-Dioxane

Concen: 3.878 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.053 min

Lab File: VN071155.D

Acq: 03 Mar 2022 15:58

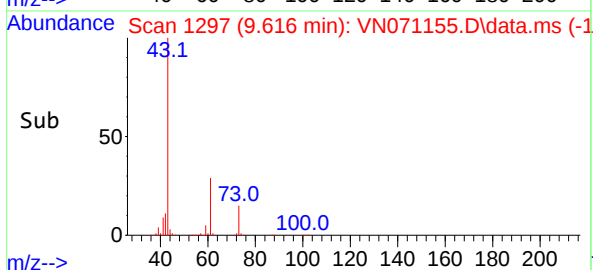
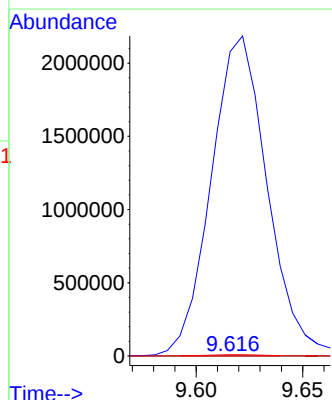
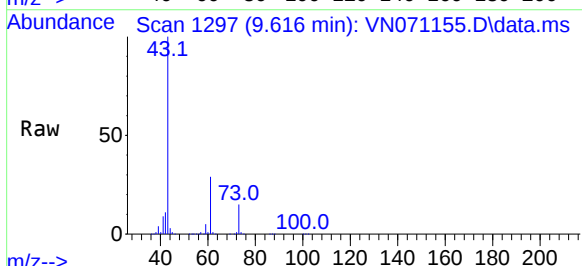
Tgt Ion: 88 Resp: 667

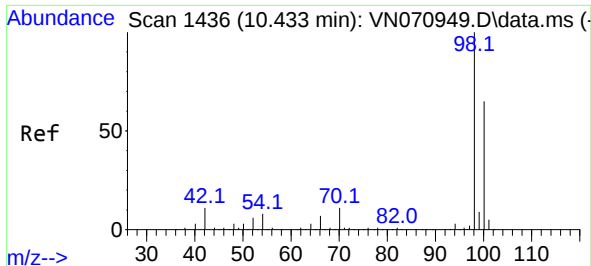
Ion Ratio Lower Upper

88 100

43 614848.4 23.4 35.2#

58 2729.5 50.6 75.8#

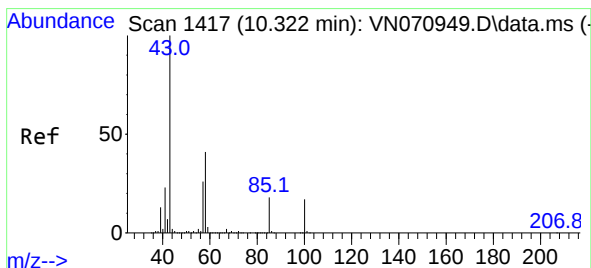
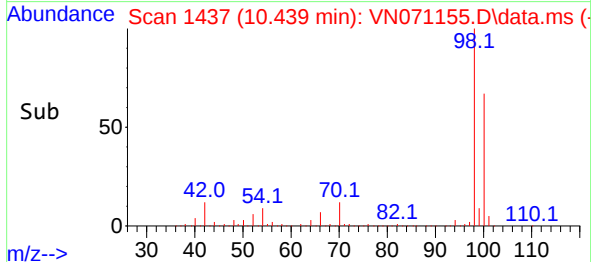
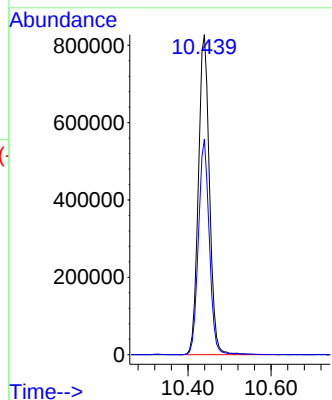
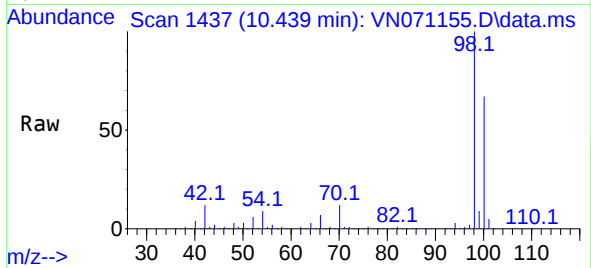




#50
Toluene-d8
Concen: 51.611 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

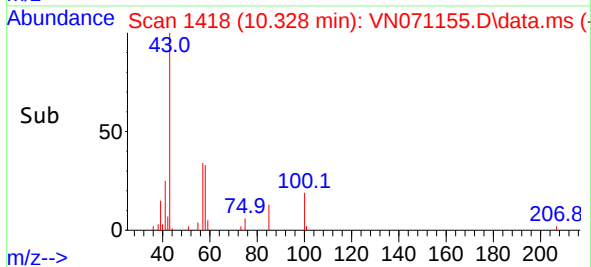
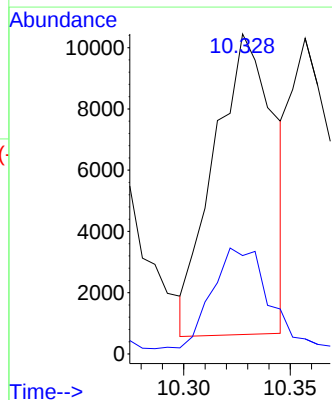
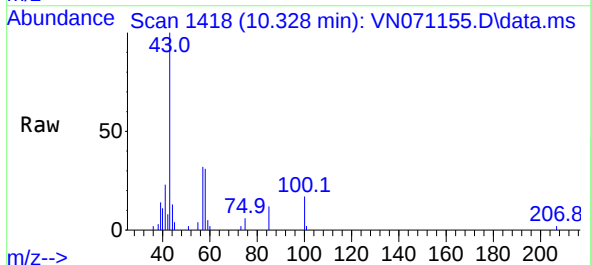
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q2

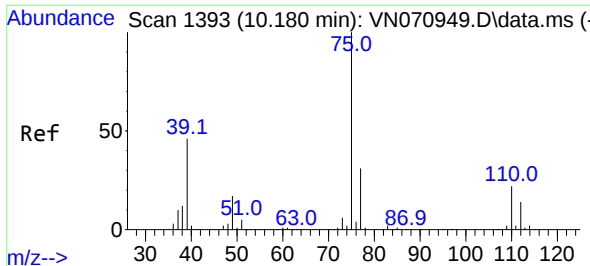
Tgt Ion: 98 Resp: 1531050
Ion Ratio Lower Upper
98 100
100 65.7 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.537 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Tgt Ion: 43 Resp: 19136
Ion Ratio Lower Upper
43 100
58 36.9 30.4 45.6

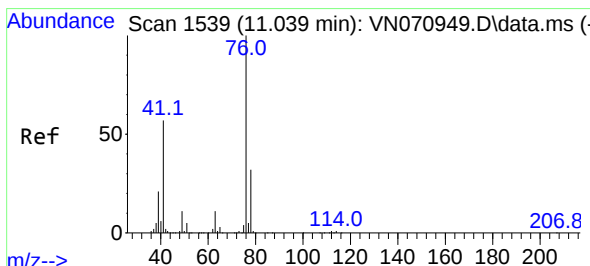
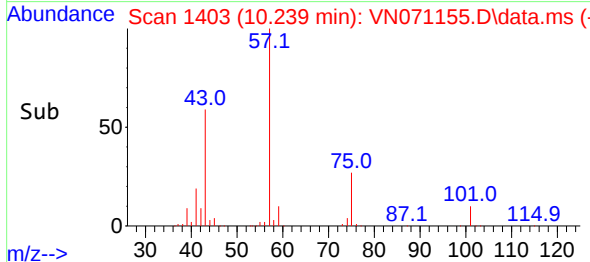
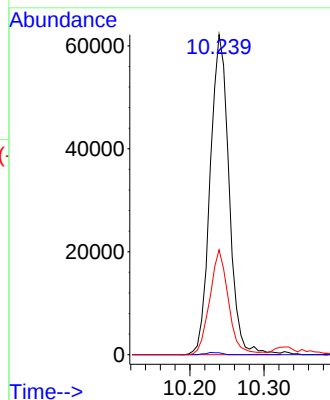
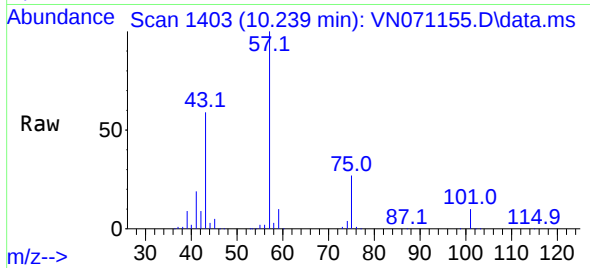




#54
 cis-1,3-Dichloropropene
 Concen: 7.563 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.059 min
 Lab File: VN071155.D
 Acq: 03 Mar 2022 15:58

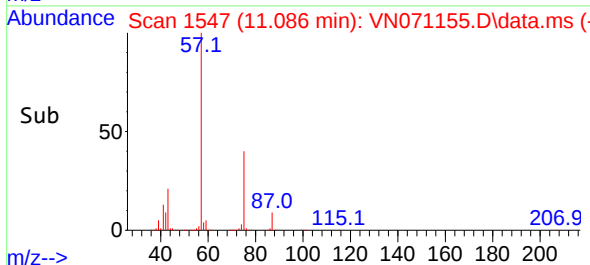
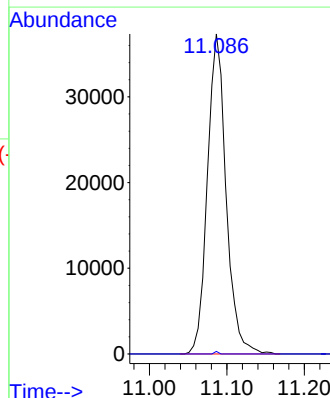
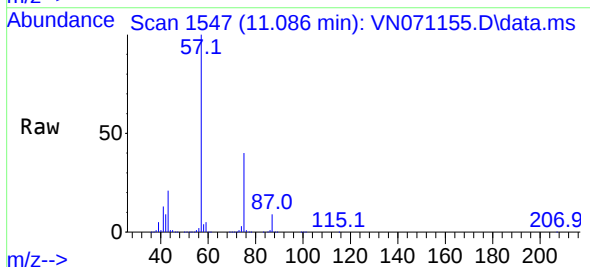
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2-Q2

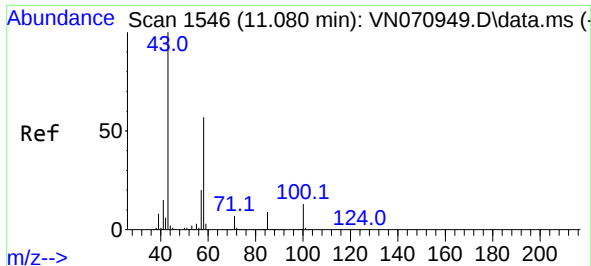
Tgt Ion: 75 Resp: 110142
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.4 39.6#
 39 32.8 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 4.109 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071155.D
 Acq: 03 Mar 2022 15:58

Tgt Ion: 76 Resp: 62576
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.7 38.5#

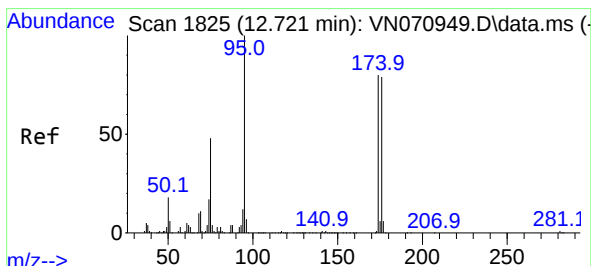
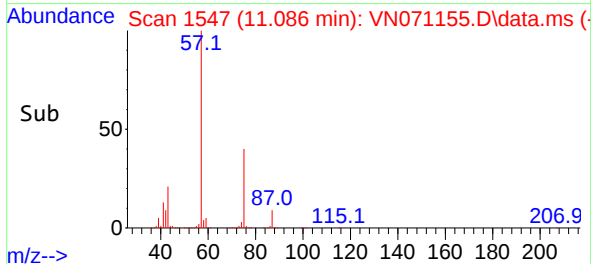
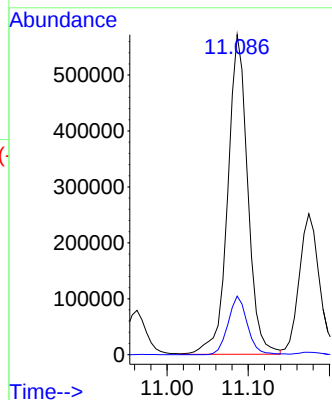
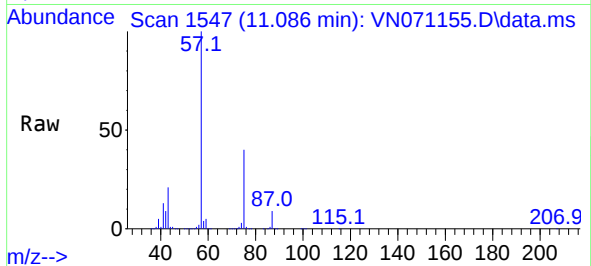




#59
2-Hexanone
Concen: 114.245 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

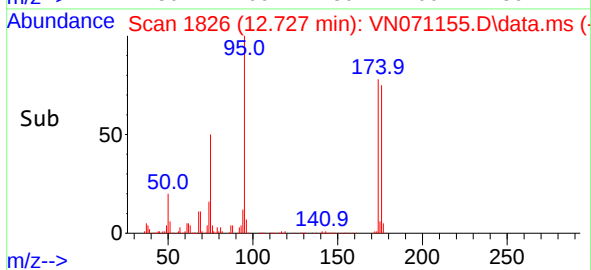
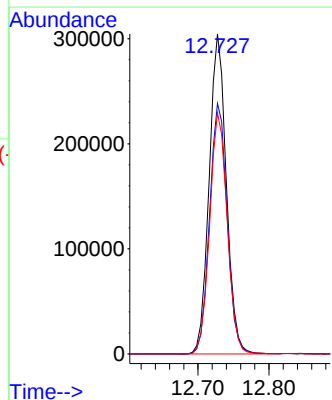
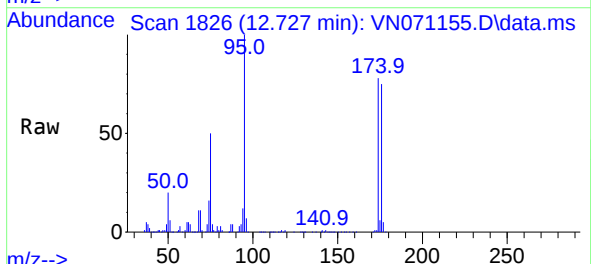
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q2

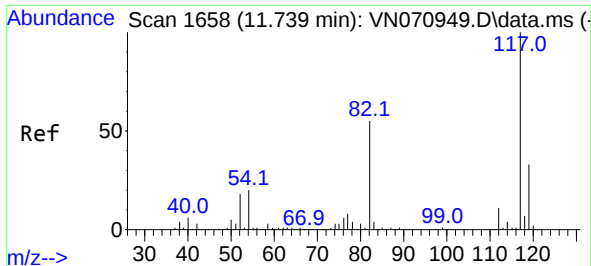
Tgt Ion: 43 Resp: 978018
Ion Ratio Lower Upper
43 100
58 17.7 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.247 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Tgt Ion: 95 Resp: 511592
Ion Ratio Lower Upper
95 100
174 80.4 0.0 187.2
176 76.7 0.0 181.4

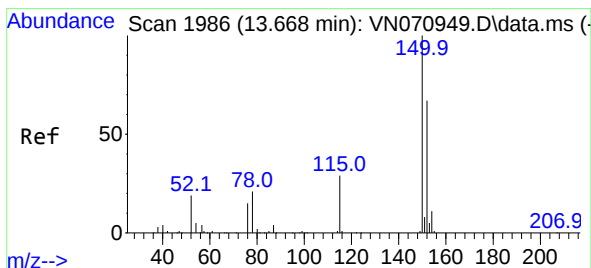
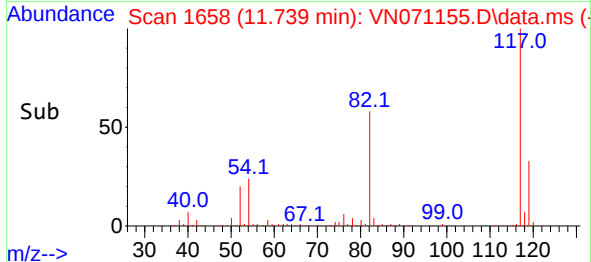
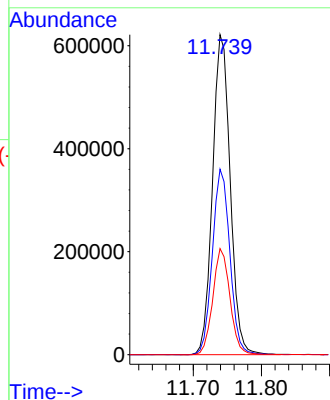
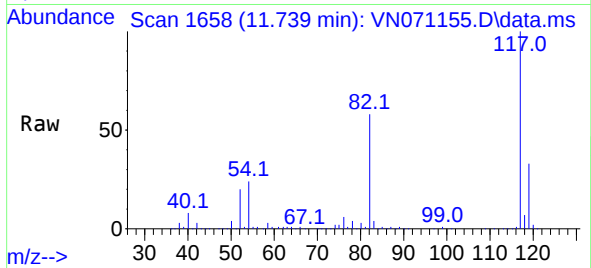




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

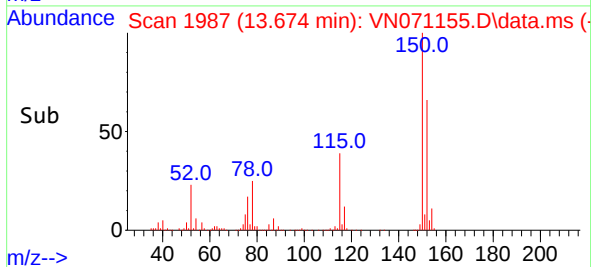
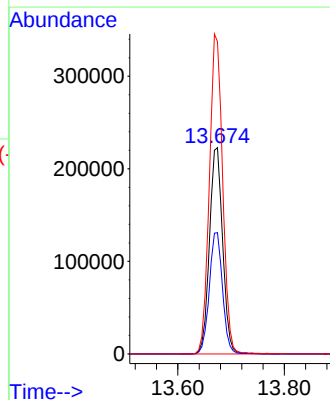
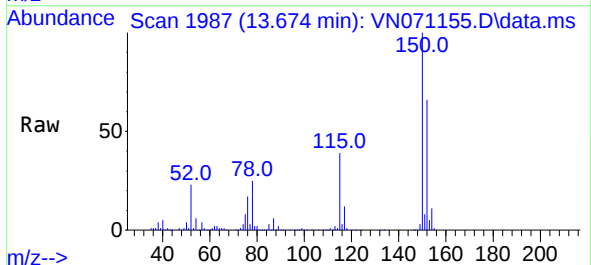
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q2

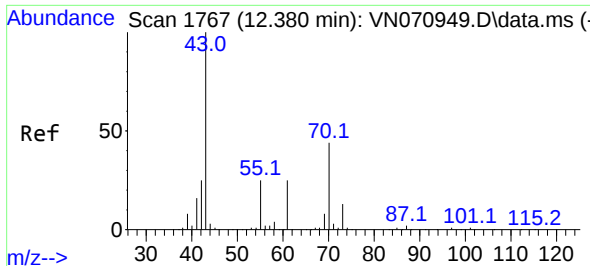
Tgt Ion:117 Resp: 1120163
Ion Ratio Lower Upper
117 100
82 58.0 42.4 63.6
119 33.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Tgt Ion:152 Resp: 384660
Ion Ratio Lower Upper
152 100
115 58.9 27.5 82.5
150 155.9 0.0 344.4

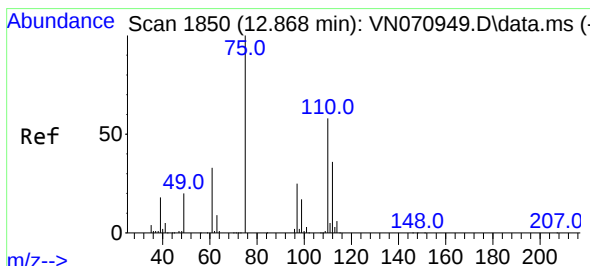
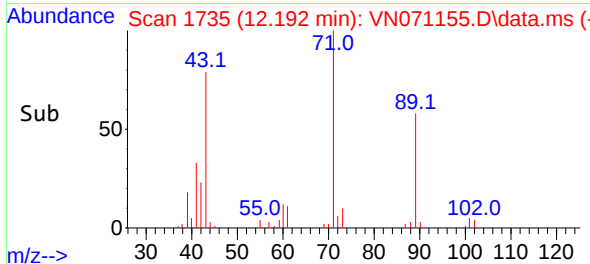
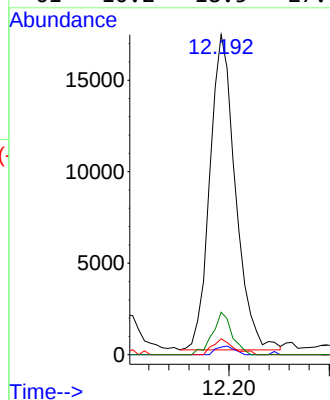
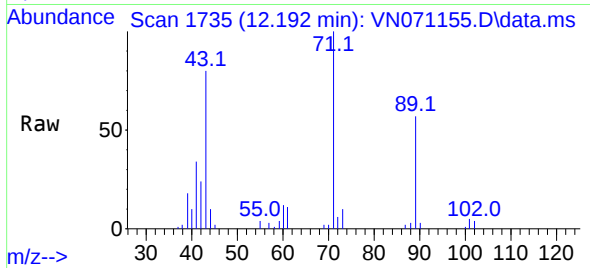




#74
N-amy1 acetate
Concen: 3.089 ug/l
RT: 12.192 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

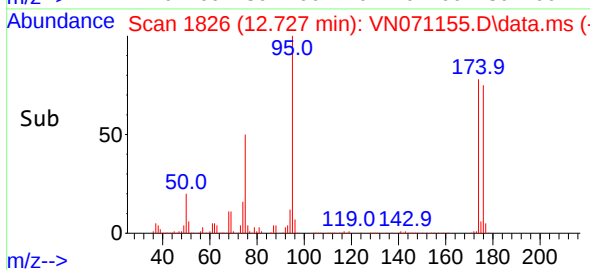
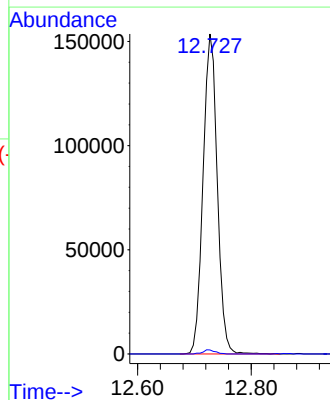
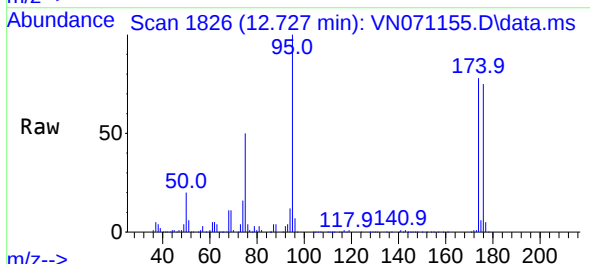
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q2

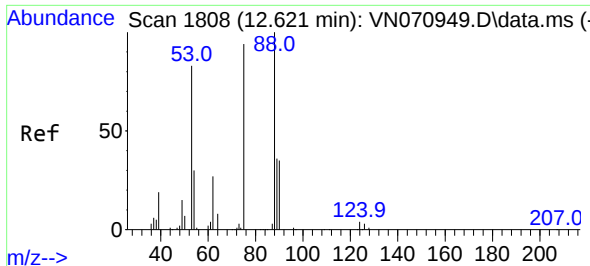
Tgt Ion:	43	Resp:	30577
Ion	Ratio	Lower	Upper
43	100		
70	1.9	33.4	50.0#
55	4.0	19.3	28.9#
61	10.2	18.5	27.7#



#76
1,2,3-Trichloropropane
Concen: 29.357 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Tgt Ion:	75	Resp:	265886
Ion	Ratio	Lower	Upper
75	100		
77	1.1	82.6	247.8#

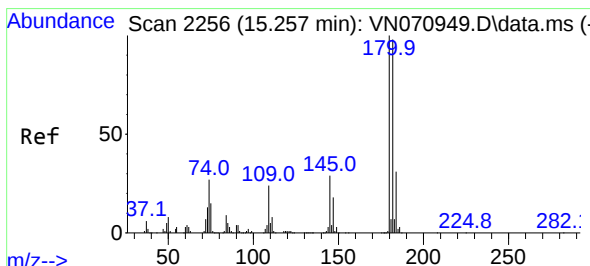
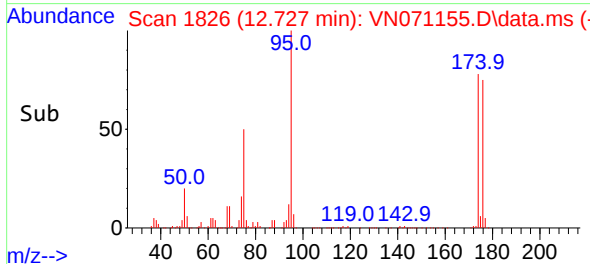
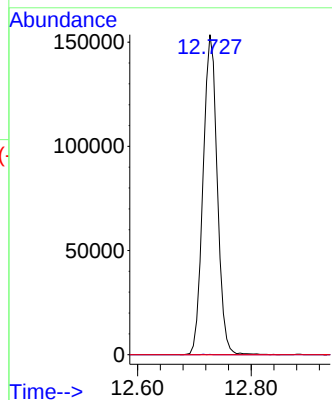
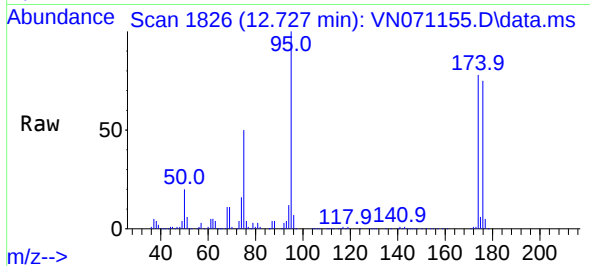




#81
trans-1,4-Dichloro-2-butene
Concen: 95.132 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

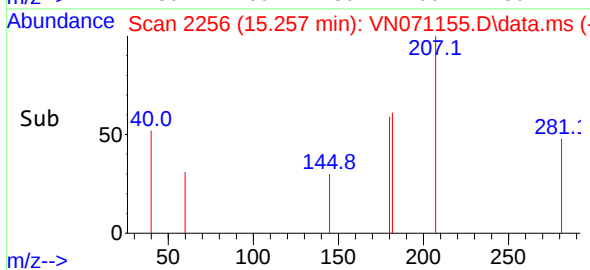
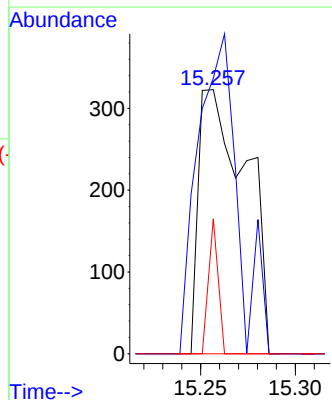
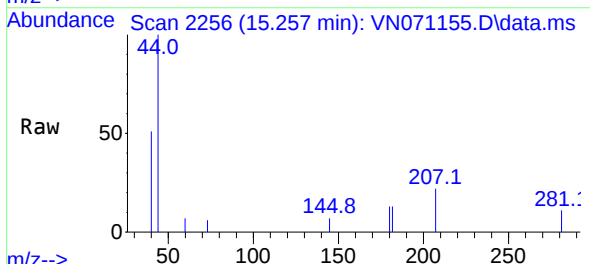
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q2

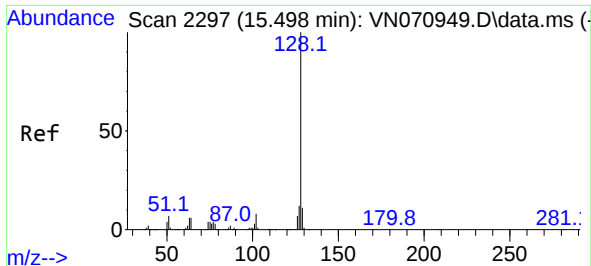
Tgt Ion: 75 Resp: 265886
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.075 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Tgt Ion:180 Resp: 562
Ion Ratio Lower Upper
180 100
182 101.2 48.3 144.9
145 10.3 14.5 43.5#

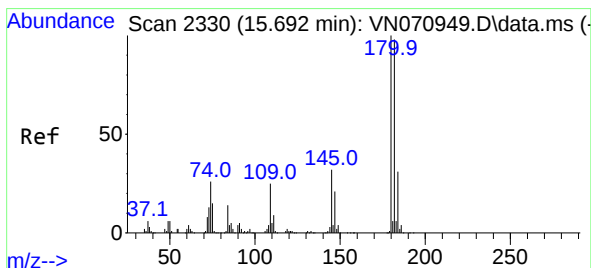
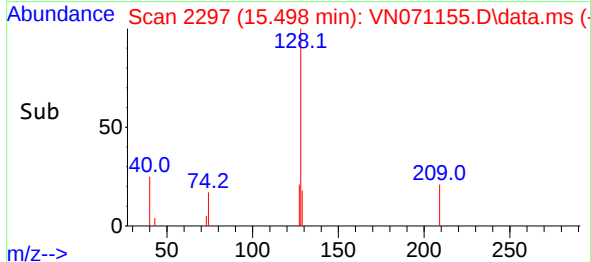
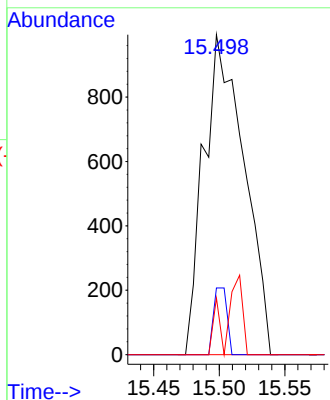
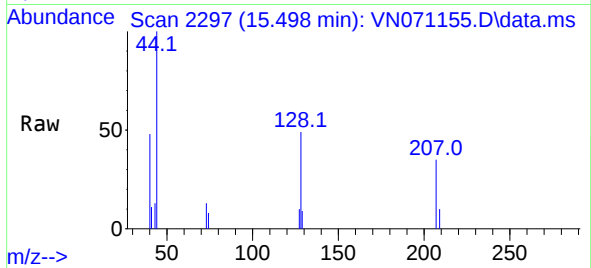




#95
Naphthalene
Concen: 5.101 ug/l
RT: 15.498 min Scan# 2129
Delta R.T. -0.000 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q2

Tgt Ion:128 Resp: 2129
Ion Ratio Lower Upper
128 100
127 6.9 10.5 15.7#
129 10.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.530 ug/l
RT: 15.686 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN071155.D
Acq: 03 Mar 2022 15:58

Tgt Ion:180 Resp: 98
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 0.0 15.0 45.1#

