

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030322\
 Data File : VN071156.D
 Acq On : 03 Mar 2022 16:22
 Operator : JC\MD
 Sample : N1750-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2-Q3

Quant Time: Mar 04 01:15:00 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

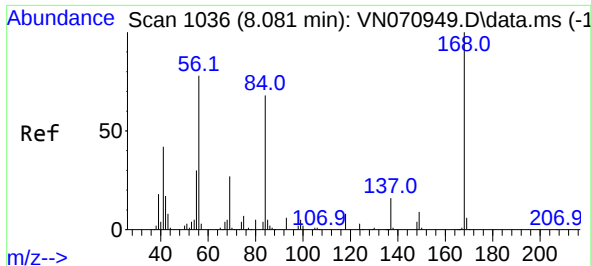
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.080	168	786800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1290676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1179108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	413258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	482670	53.703	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.400%	
35) Dibromofluoromethane	8.022	113	376101	48.991	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.980%	
50) Toluene-d8	10.439	98	1606167	52.098	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.200%	
62) 4-Bromofluorobenzene	12.727	95	541066	49.099	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	2972	0.289	ug/l #	70
5) Bromomethane	2.846	94	1205	0.206	ug/l	96
6) Chloroethane	3.057	64	1509	0.224	ug/l #	42
13) Acrolein	4.051	56	811	0.554	ug/l #	46
16) Acetone	4.292	43	45429	9.178	ug/l	97
18) Methyl Acetate	4.857	43	26442	1.860	ug/l #	72
20) Methylene Chloride	5.098	84	18963	2.108	ug/l	95
25) 2-Butanone	7.333	43	9322	1.416	ug/l	97
29) Tetrahydrofuran	7.698	42	1266	0.297	ug/l #	64
31) Cyclohexane	8.086	56	16055	1.033	ug/l #	4
36) 1,1-Dichloropropene	8.080	75	60847	4.838	ug/l #	49
37) Ethyl Acetate	7.333	43	9322	0.691	ug/l #	68
38) Carbon Tetrachloride	8.086	117	76788	6.196	ug/l #	16
40) Benzene	8.463	78	8077	0.217	ug/l	92
43) Isopropyl Acetate	8.563	43	133202	6.265	ug/l #	77
45) 1,2-Dichloropropane	9.622	63	5349	0.561	ug/l #	44
48) Methyl methacrylate	9.539	41	21210	2.108	ug/l #	8
49) 1,4-Dioxane	9.616	88	577	3.228	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	13093	1.012	ug/l #	80
54) cis-1,3-Dichloropropene	10.239	75	113094	7.472	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	65607	4.145	ug/l #	43
59) 2-Hexanone	11.086	43	1018290	114.456	ug/l #	50
74) N-amyl acetate	12.357	43	2391	0.225	ug/l #	47
76) 1,2,3-Trichloropropane	12.727	75	277234	28.492	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	277234	92.328	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.256	180	542	2.067	ug/l #	35
95) Naphthalene	15.498	128	1970	5.086	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.692	180	265	2.552	ug/l #	27

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

Quant Time: Mar 04 01:15:00 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

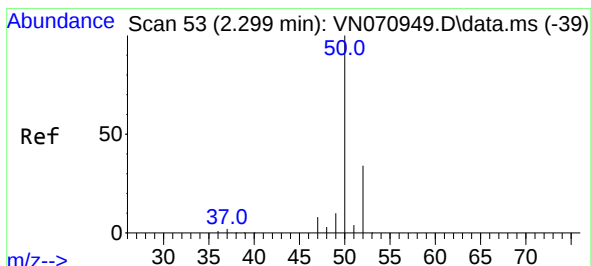
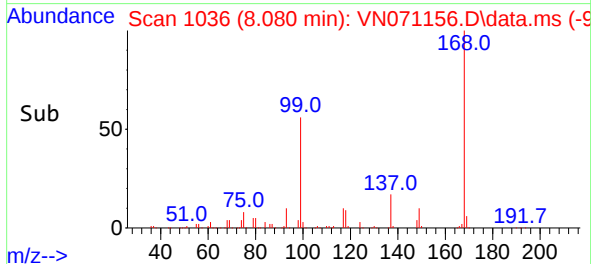
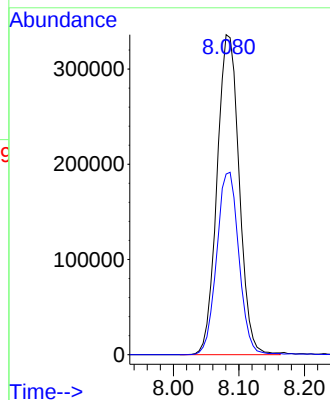
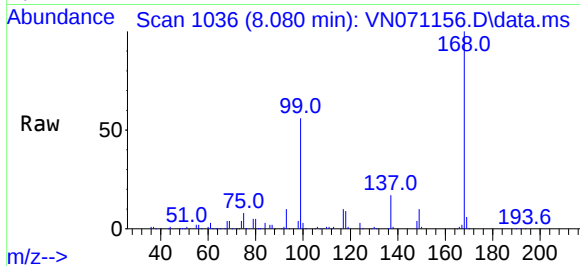




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

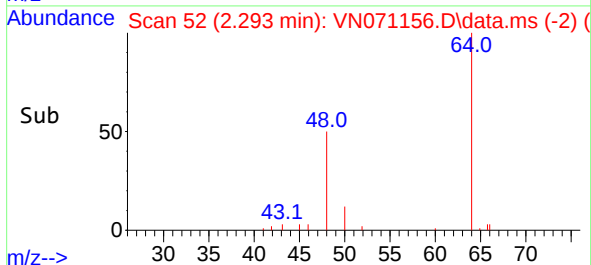
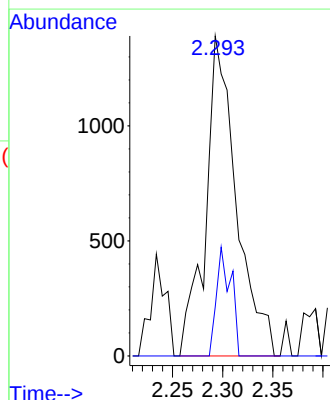
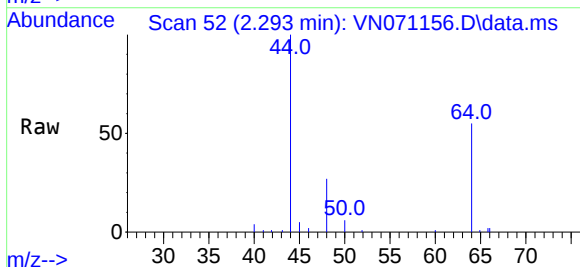
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q3

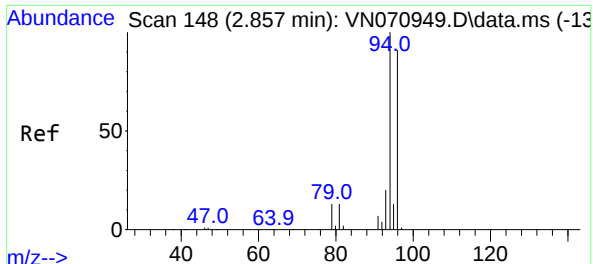
Tgt Ion:168 Resp: 786800
Ion Ratio Lower Upper
168 100
99 56.4 41.3 61.9



#3
Chloromethane
Concen: 0.289 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Tgt Ion: 50 Resp: 2972
Ion Ratio Lower Upper
50 100
52 15.3 25.4 38.0#

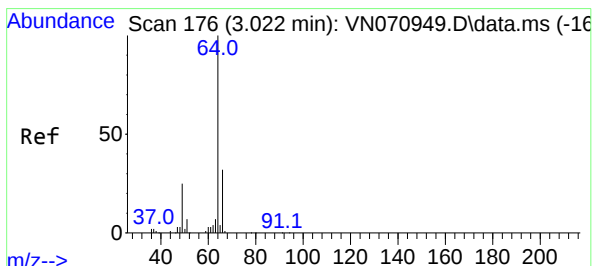
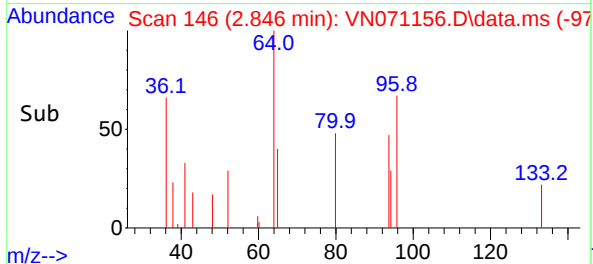
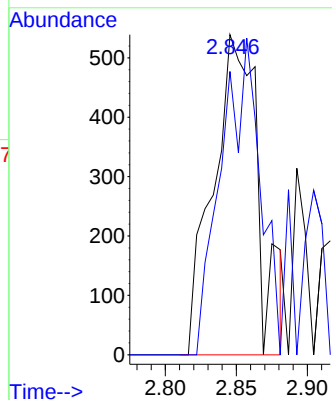
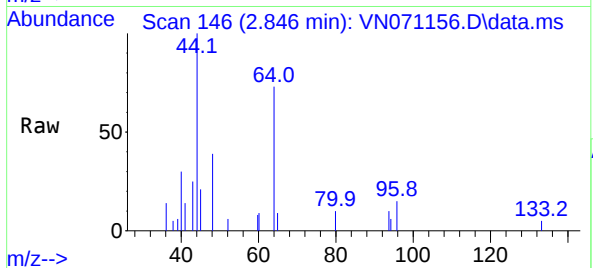




#5
Bromomethane
Concen: 0.206 ug/l
RT: 2.846 min Scan# 14
Delta R.T. -0.012 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

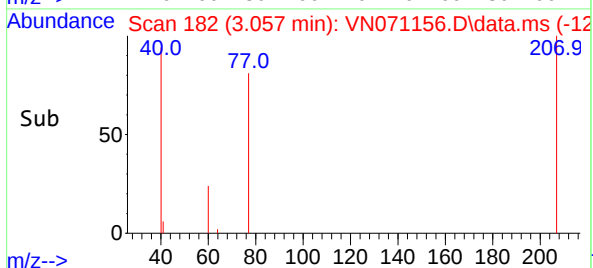
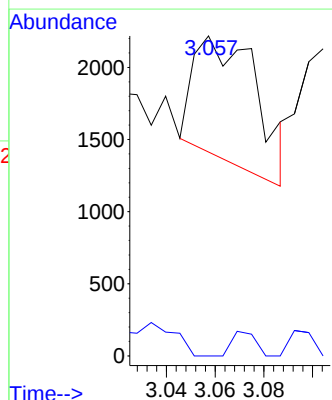
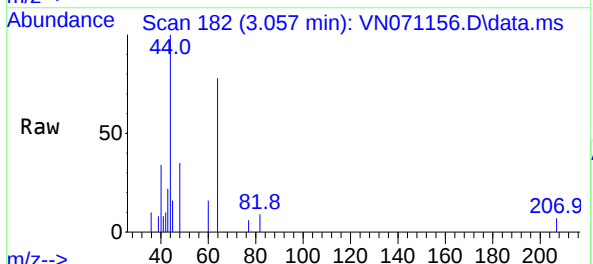
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q3

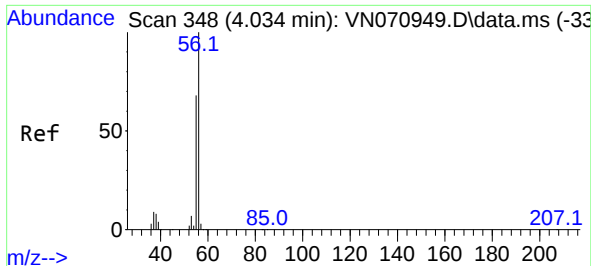
Tgt Ion: 94 Resp: 1205
Ion Ratio Lower Upper
94 100
96 88.5 73.8 110.8



#6
Chloroethane
Concen: 0.224 ug/l
RT: 3.057 min Scan# 182
Delta R.T. 0.035 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Tgt Ion: 64 Resp: 1509
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

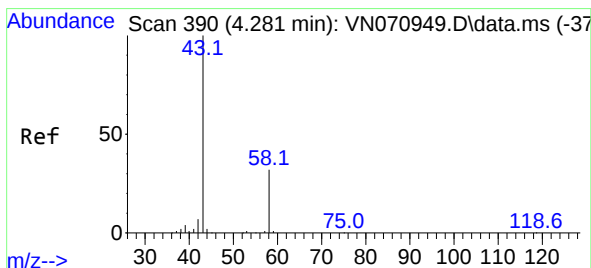
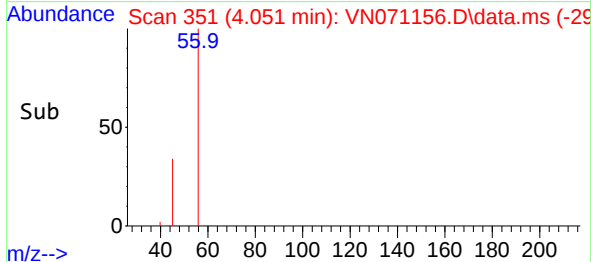
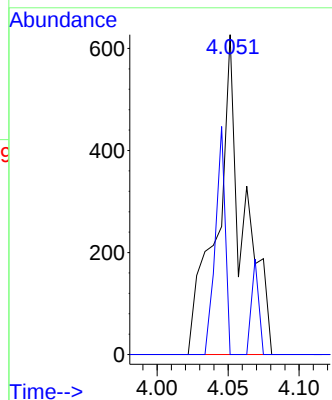
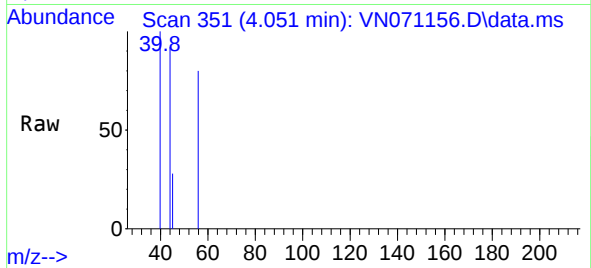




#13
Acrolein
Concen: 0.554 ug/l
RT: 4.051 min Scan# 311
Delta R.T. 0.017 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

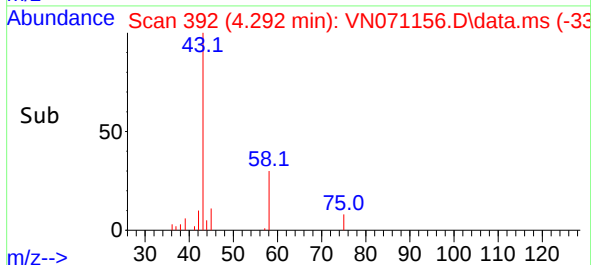
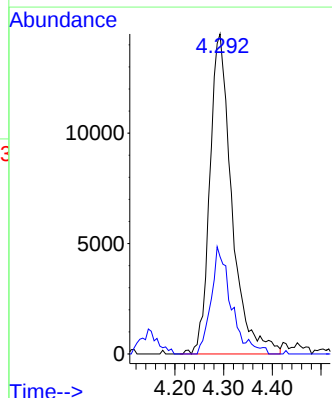
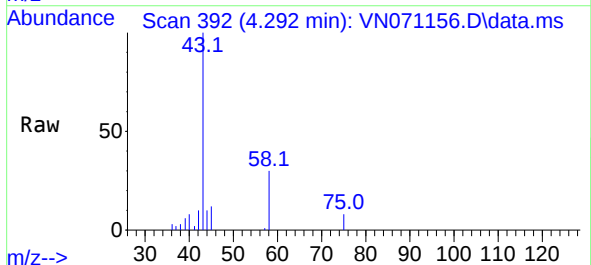
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q3

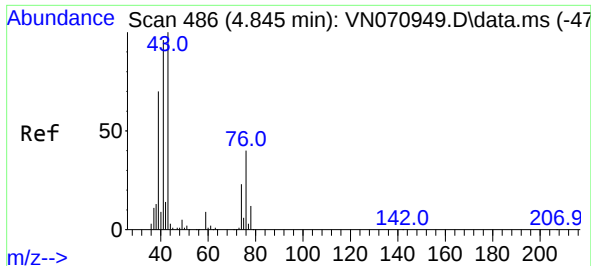
Tgt Ion: 56 Resp: 811
Ion Ratio Lower Upper
56 100
55 26.4 56.6 85.0#



#16
Acetone
Concen: 9.178 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Tgt Ion: 43 Resp: 45429
Ion Ratio Lower Upper
43 100
58 30.4 23.1 34.7

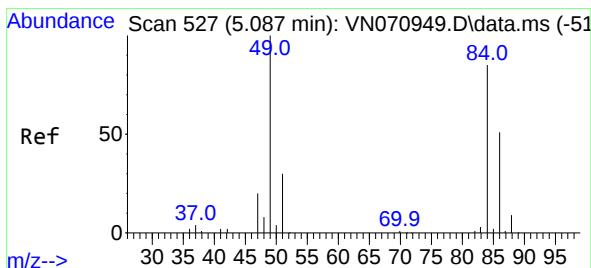
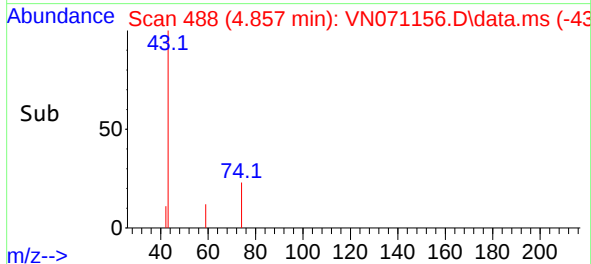
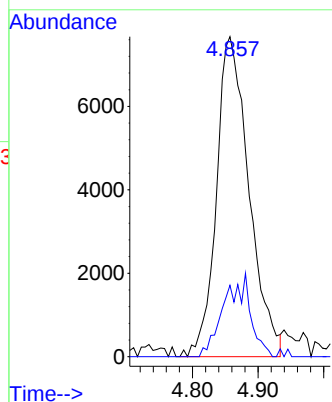
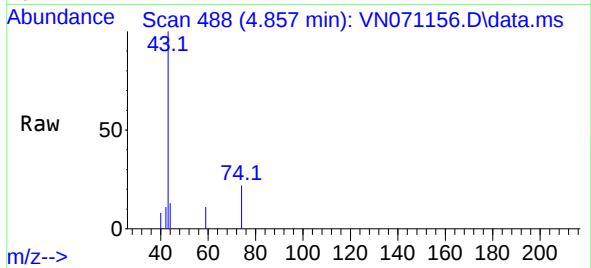




#18
Methyl Acetate
Concen: 1.860 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.012 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

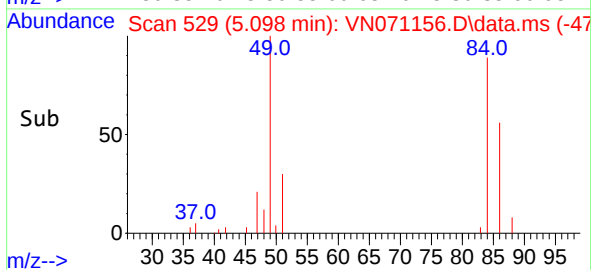
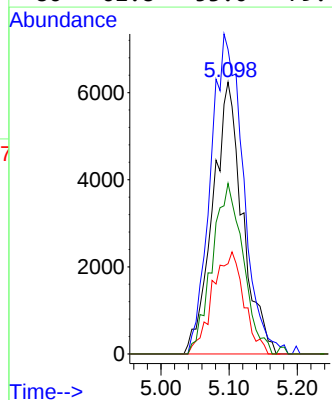
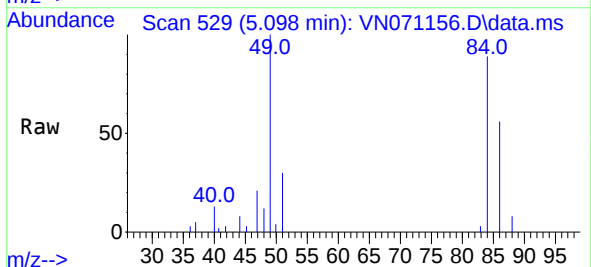
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q3

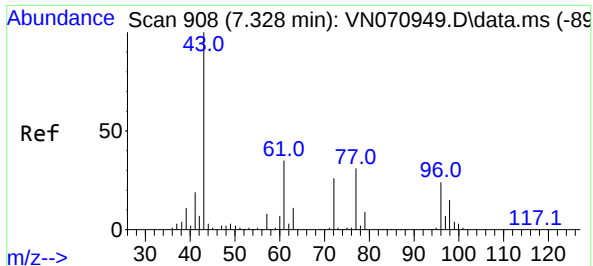
Tgt Ion: 43 Resp: 26442
Ion Ratio Lower Upper
43 100
74 10.5 19.4 29.2#



#20
Methylene Chloride
Concen: 2.108 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.012 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Tgt Ion: 84 Resp: 18963
Ion Ratio Lower Upper
84 100
49 112.0 93.5 140.3
51 33.2 29.4 44.2
86 62.8 53.0 79.4

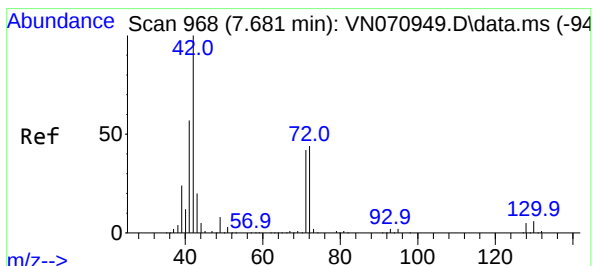
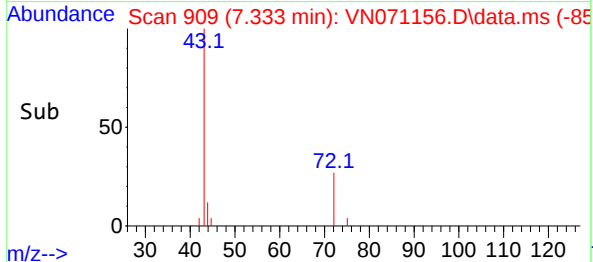
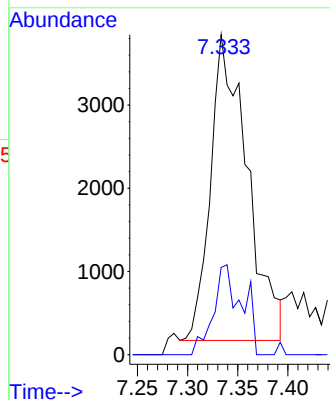
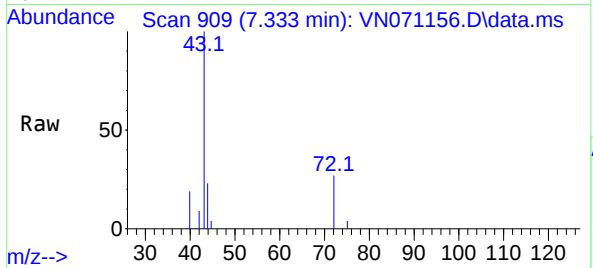




#25
2-Butanone
Concen: 1.416 ug/l
RT: 7.333 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

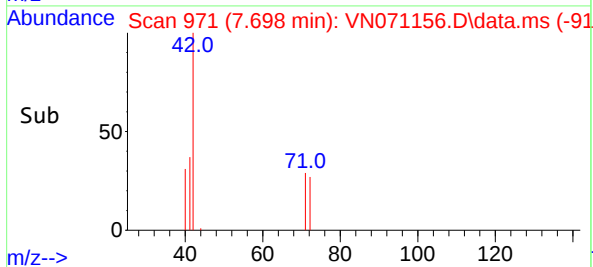
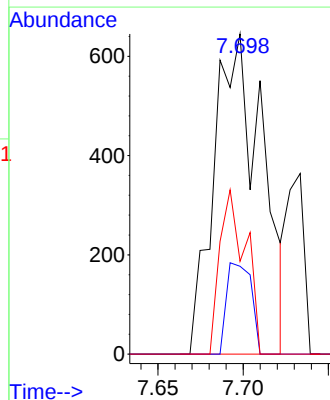
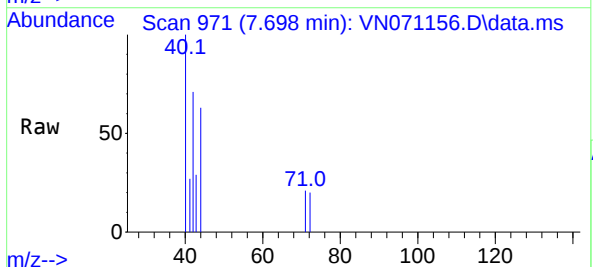
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q3

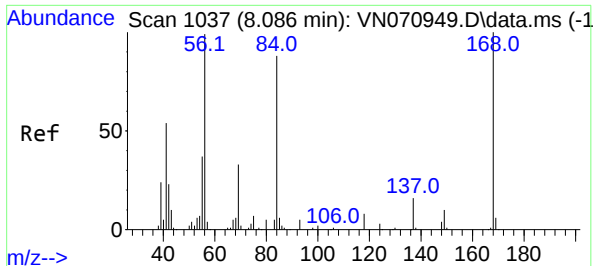
Tgt Ion: 43 Resp: 9322
Ion Ratio Lower Upper
43 100
72 28.5 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.297 ug/l
RT: 7.698 min Scan# 971
Delta R.T. 0.018 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Tgt Ion: 42 Resp: 1266
Ion Ratio Lower Upper
42 100
72 14.5 36.3 54.5#
71 27.6 34.7 52.1#





#31

Cyclohexane

Concen: 1.033 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VN071156.D

Acq: 03 Mar 2022 16:22

Instrument :

MSVOA_N

ClientSampleId :

WC-2-Q3

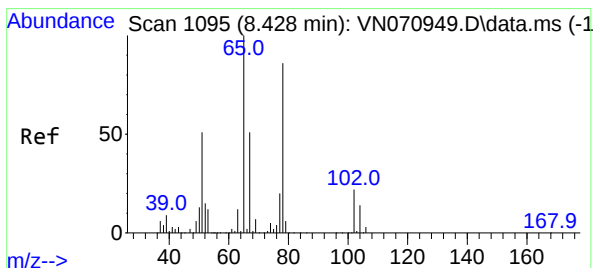
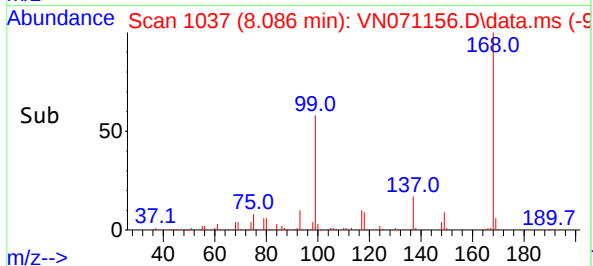
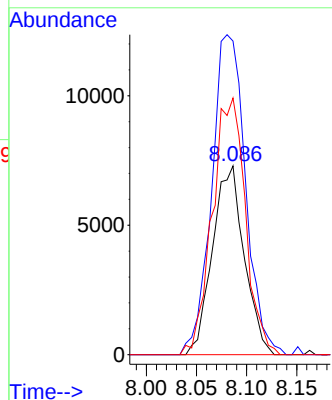
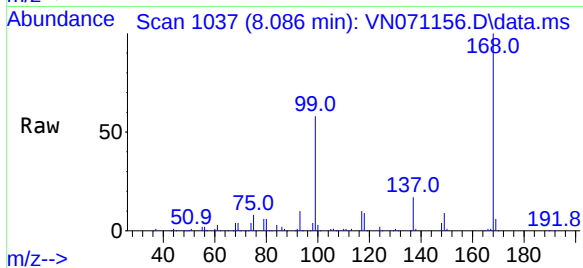
Tgt Ion: 56 Resp: 16055

Ion Ratio Lower Upper

56 100

69 166.1 27.1 40.7#

84 135.9 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 53.703 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. 0.006 min

Lab File: VN071156.D

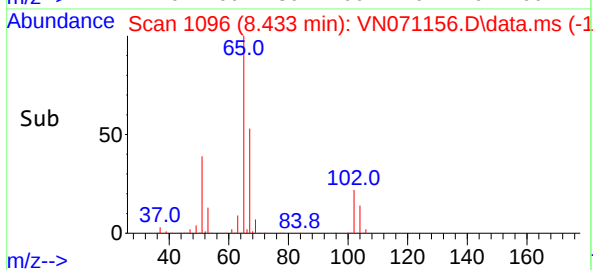
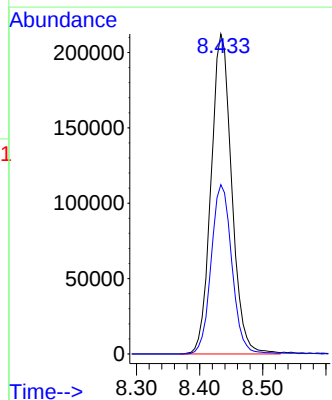
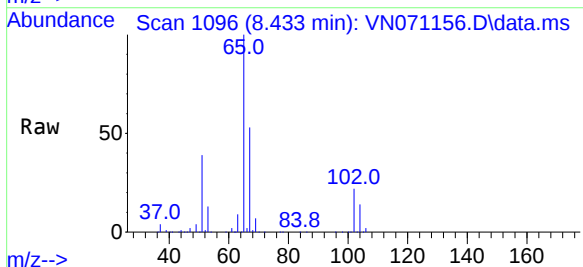
Acq: 03 Mar 2022 16:22

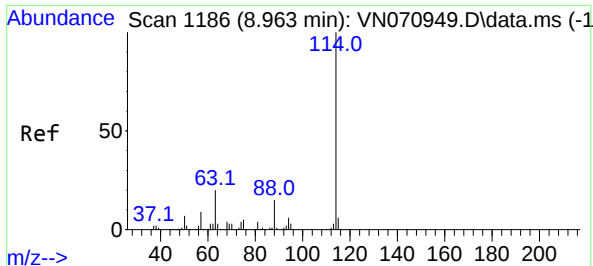
Tgt Ion: 65 Resp: 482670

Ion Ratio Lower Upper

65 100

67 53.2 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: VN071156.D

Acq: 03 Mar 2022 16:22

Instrument :

MSVOA_N

ClientSampleId :

WC-2-Q3

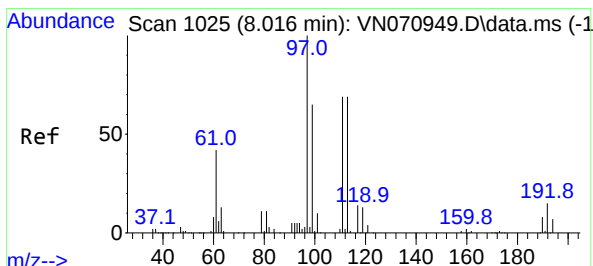
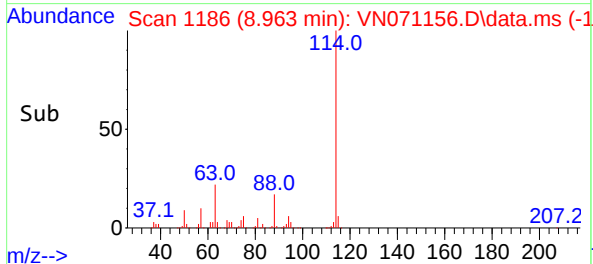
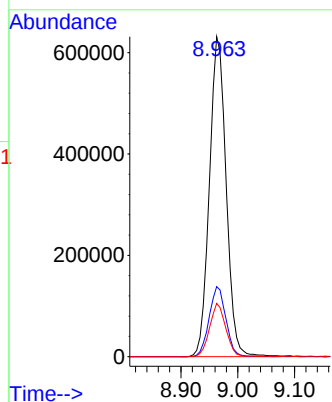
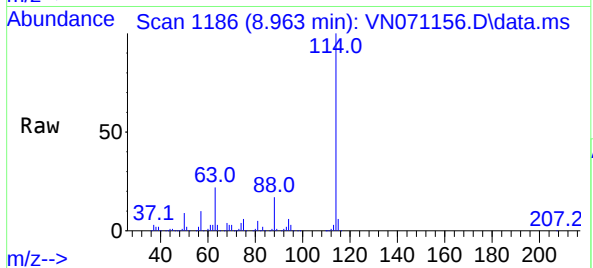
Tgt Ion:114 Resp: 1290676

Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.8

88 16.6 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.991 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071156.D

Acq: 03 Mar 2022 16:22

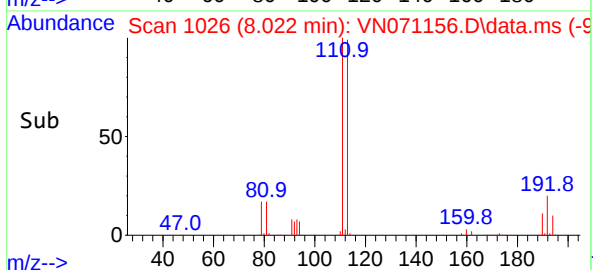
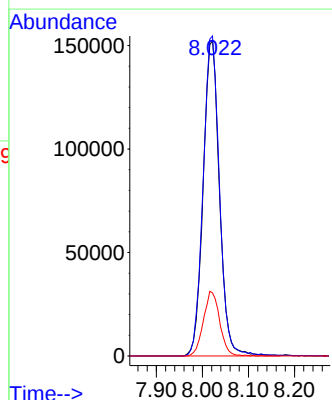
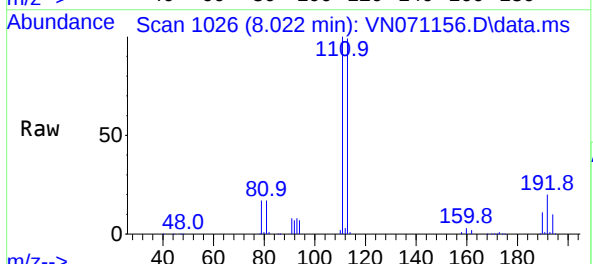
Tgt Ion:113 Resp: 376101

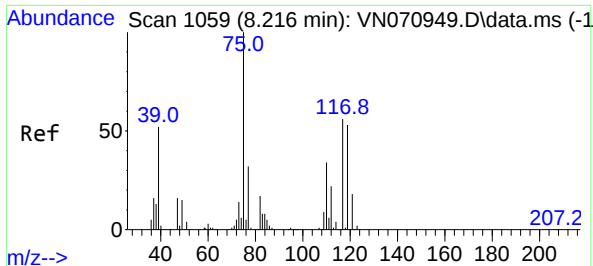
Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

192 20.4 16.9 25.3

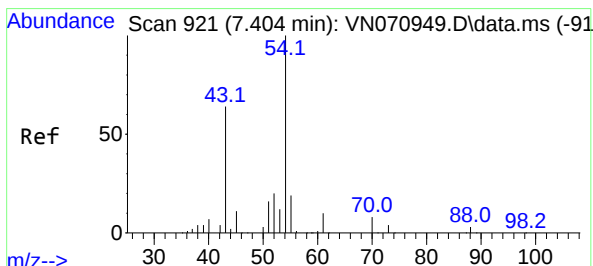
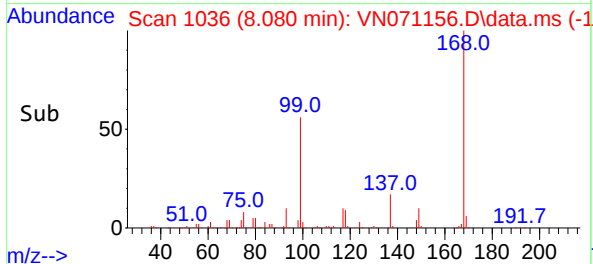
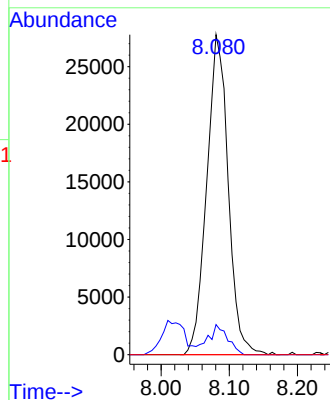
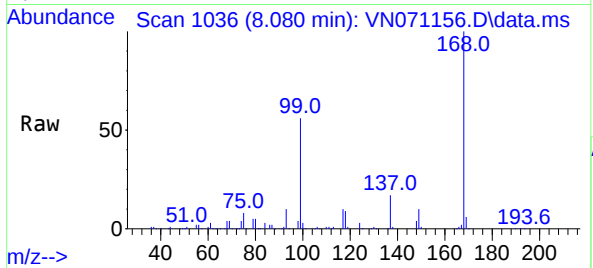




#36
1,1-Dichloropropene
Concen: 4.838 ug/l
RT: 8.080 min Scan# 1
Delta R.T. -0.135 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

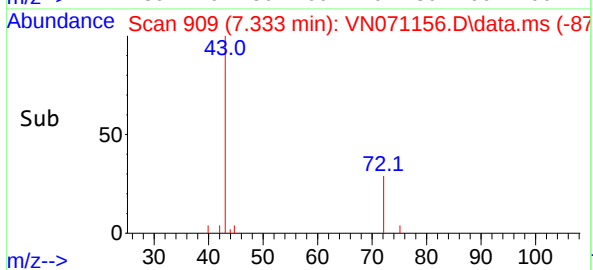
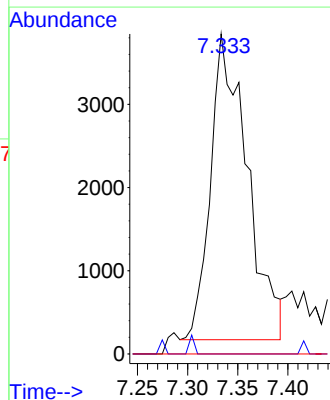
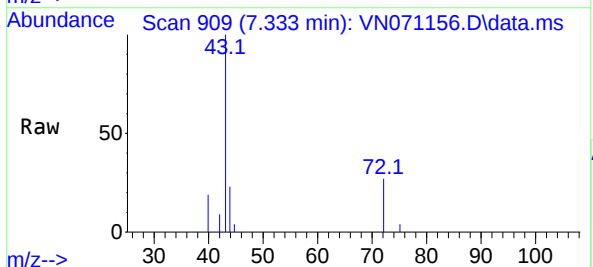
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q3

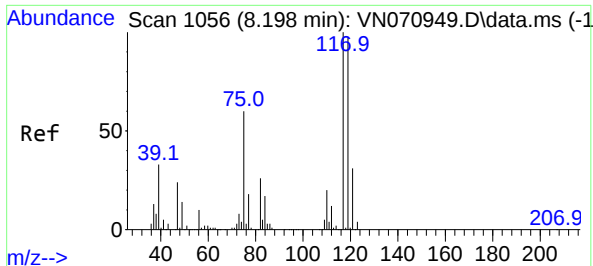
Tgt Ion: 75 Resp: 60847
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.691 ug/l
RT: 7.333 min Scan# 909
Delta R.T. -0.071 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Tgt Ion: 43 Resp: 9322
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

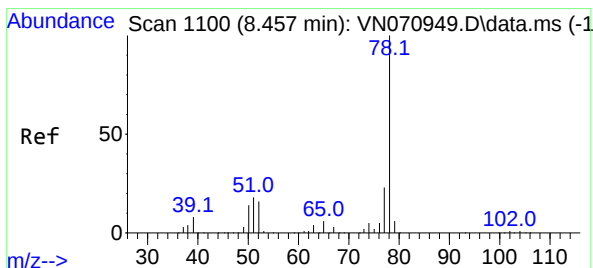
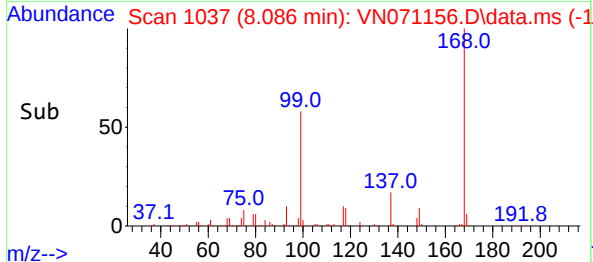
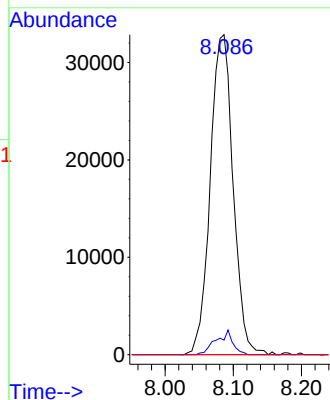
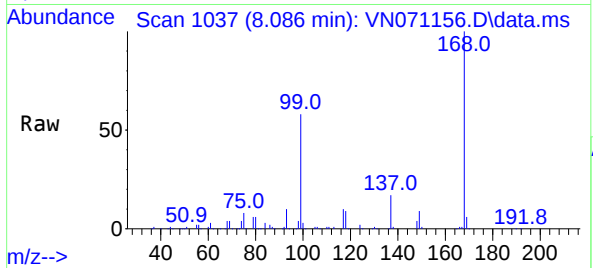




#38
Carbon Tetrachloride
Concen: 6.196 ug/l
RT: 8.086 min Scan# 1101
Delta R.T. -0.112 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

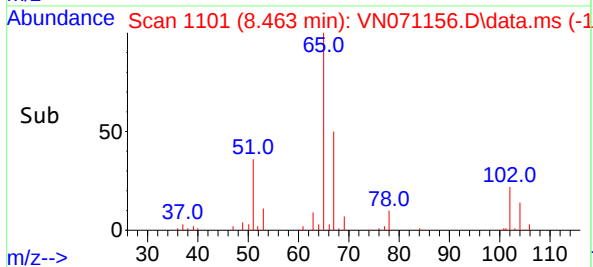
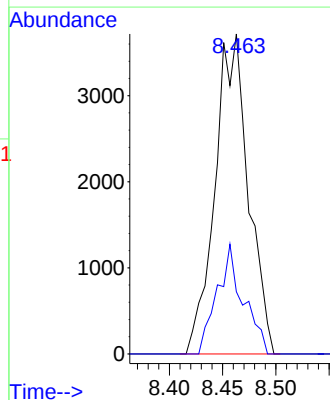
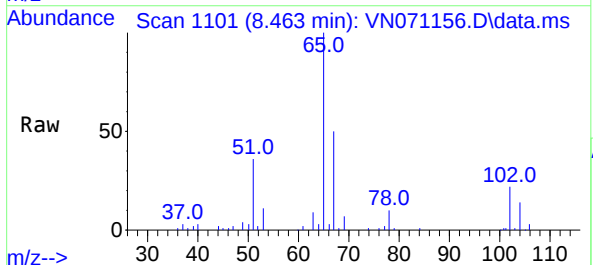
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q3

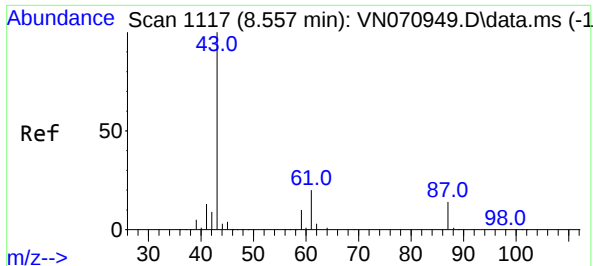
Tgt Ion:117 Resp: 76788
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.217 ug/l
RT: 8.463 min Scan# 1101
Delta R.T. 0.006 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Tgt Ion: 78 Resp: 8077
Ion Ratio Lower Upper
78 100
77 19.4 18.6 27.8

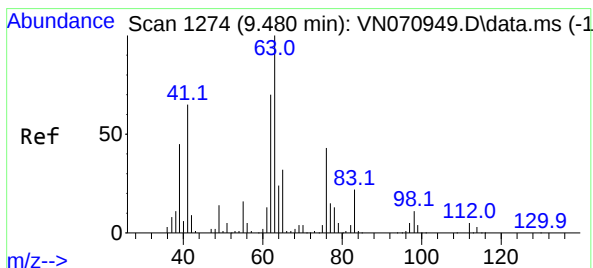
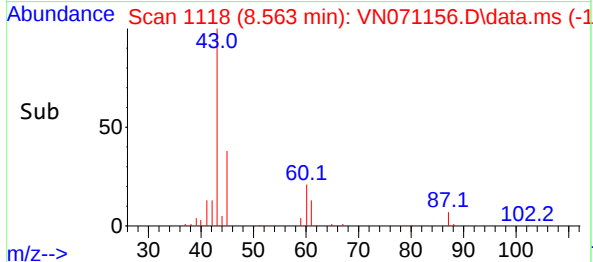
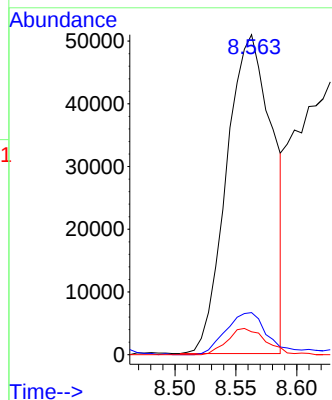
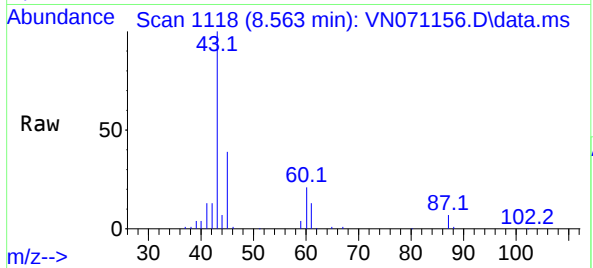




#43
Isopropyl Acetate
Concen: 6.265 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

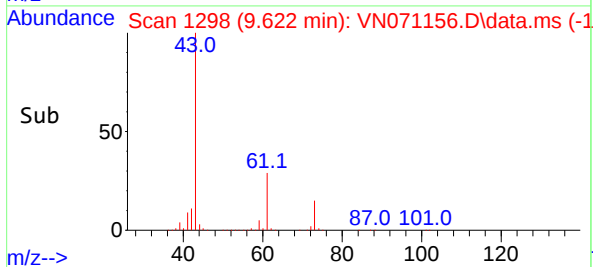
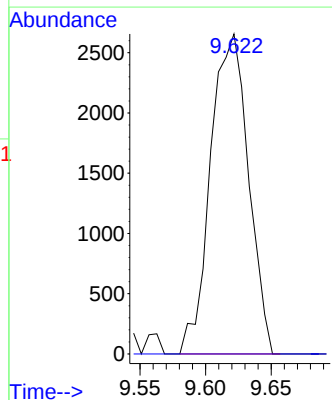
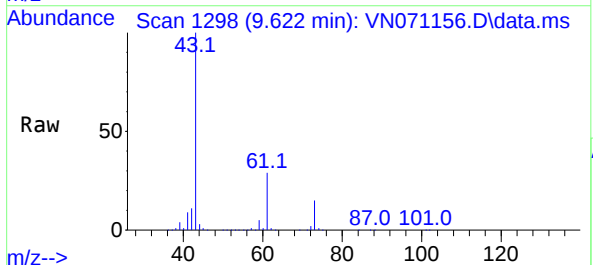
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q3

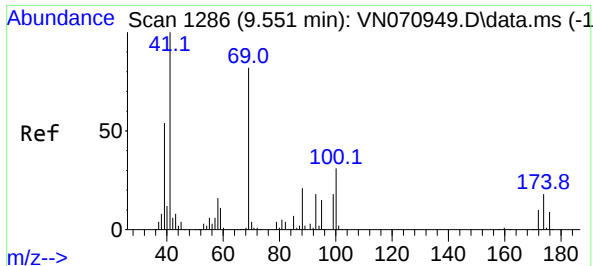
Tgt Ion: 43 Resp: 133202
Ion Ratio Lower Upper
43 100
61 12.6 20.4 30.6#
87 7.0 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.561 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.141 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Tgt Ion: 63 Resp: 5349
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 2.108 ug/l

RT: 9.539 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN071156.D

Acq: 03 Mar 2022 16:22

Instrument :

MSVOA_N

ClientSampleId :

WC-2-Q3

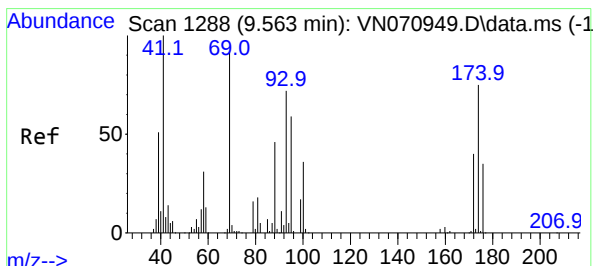
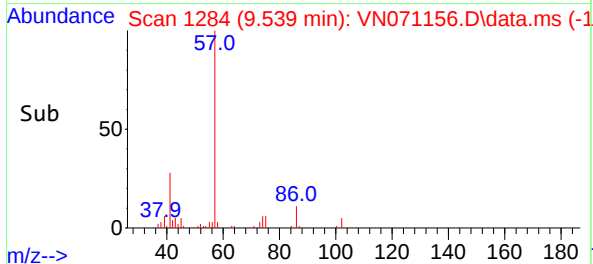
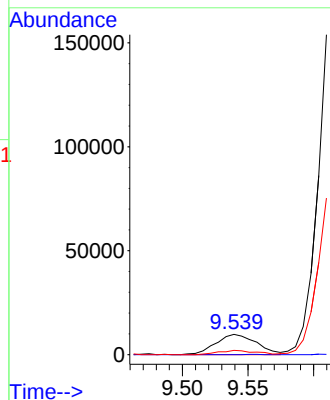
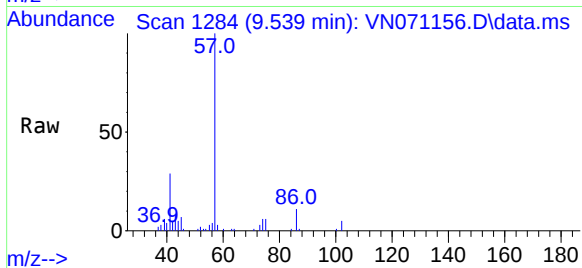
Tgt Ion: 41 Resp: 21210

Ion Ratio Lower Upper

41 100

69 0.5 72.4 108.6#

39 0.0 58.4 87.6#



#49

1,4-Dioxane

Concen: 3.228 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.053 min

Lab File: VN071156.D

Acq: 03 Mar 2022 16:22

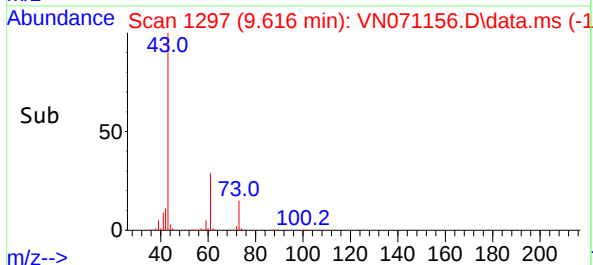
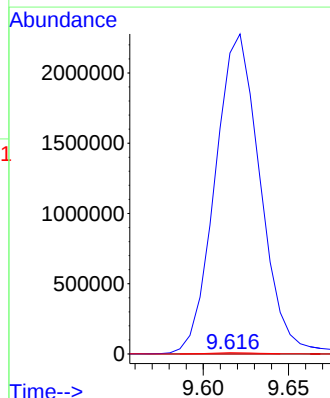
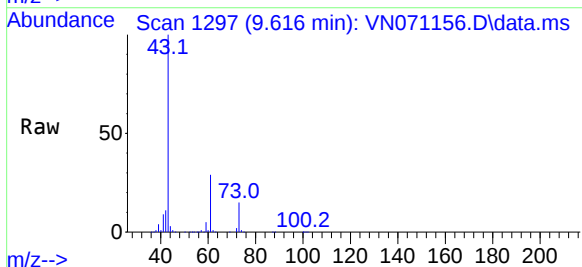
Tgt Ion: 88 Resp: 577

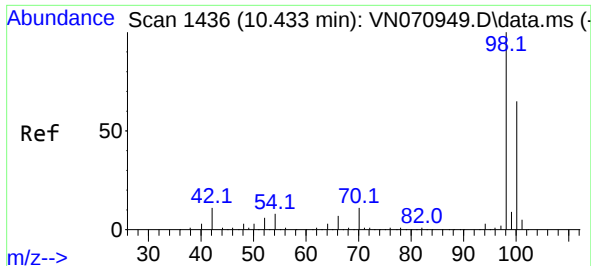
Ion Ratio Lower Upper

88 100

43 736156.2 23.4 35.2#

58 3153.9 50.6 75.8#

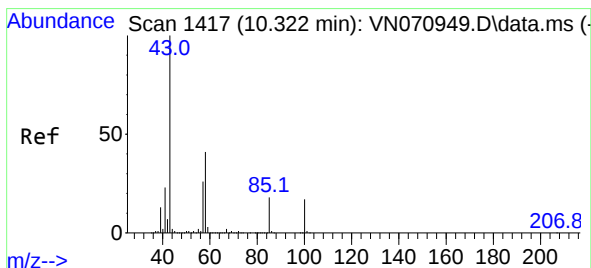
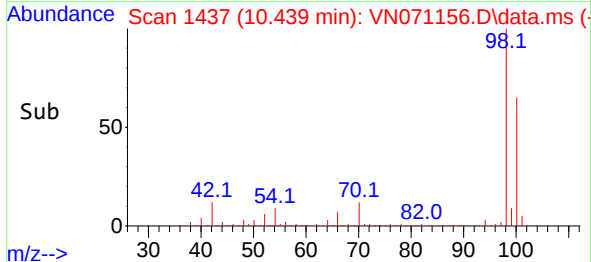
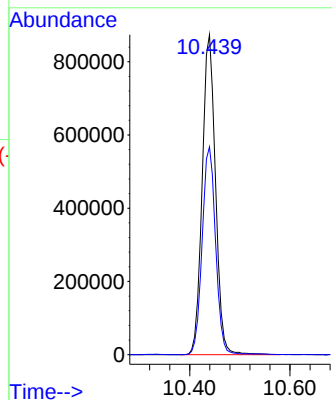
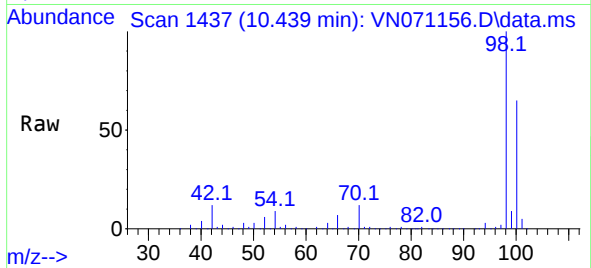




#50
Toluene-d8
Concen: 52.098 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

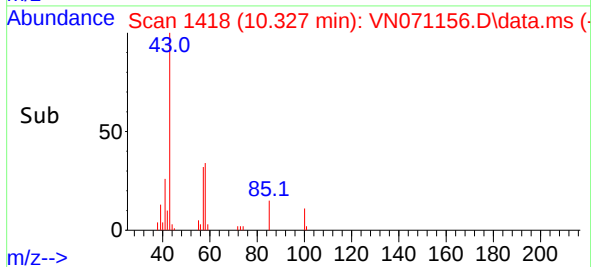
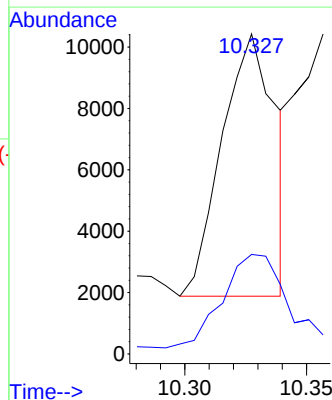
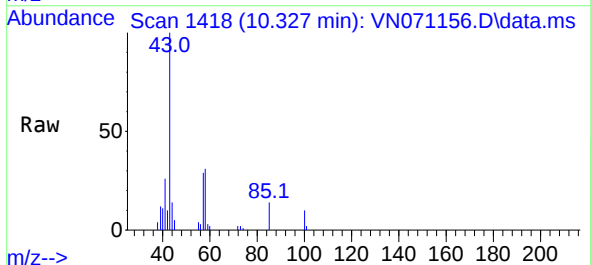
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q3

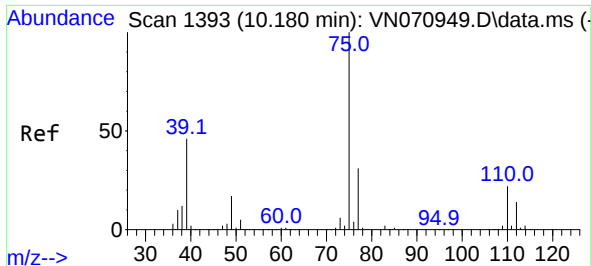
Tgt Ion: 98 Resp: 1606167
Ion Ratio Lower Upper
98 100
100 66.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.012 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Tgt Ion: 43 Resp: 13093
Ion Ratio Lower Upper
43 100
58 50.3 30.4 45.6#

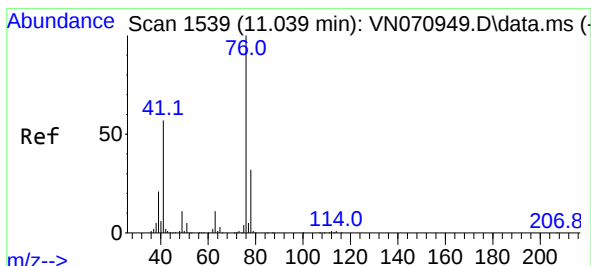
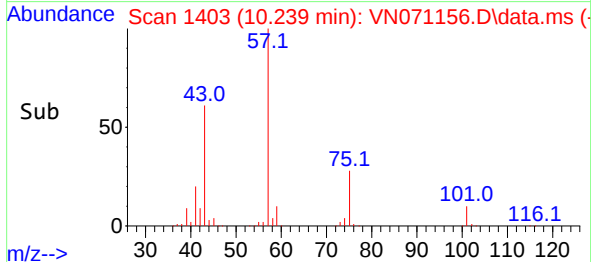
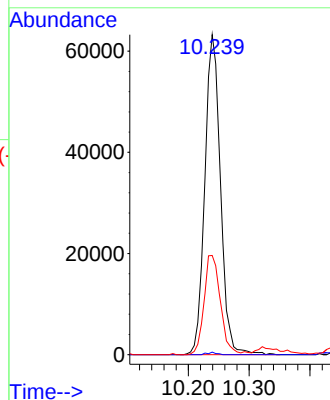
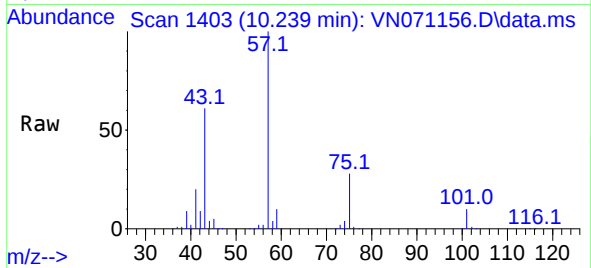




#54
cis-1,3-Dichloropropene
Concen: 7.472 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.059 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

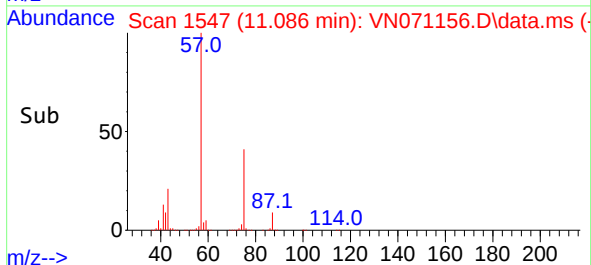
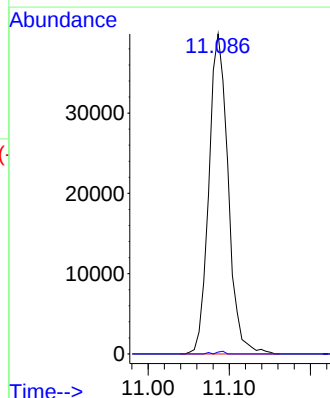
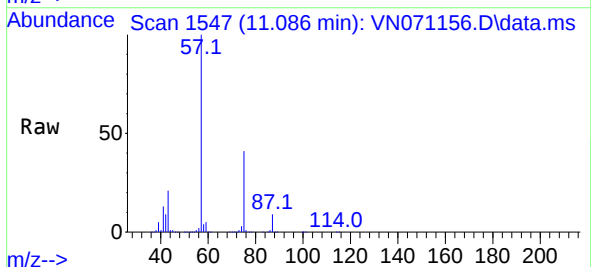
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q3

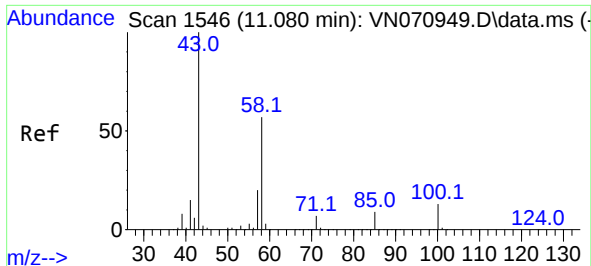
Tgt Ion: 75 Resp: 113094
Ion Ratio Lower Upper
75 100
77 0.8 26.4 39.6#
39 31.0 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 4.145 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Tgt Ion: 76 Resp: 65607
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#





#59

2-Hexanone

Concen: 114.456 ug/l

RT: 11.086 min Scan# 1546

Delta R.T. 0.006 min

Lab File: VN071156.D

Acq: 03 Mar 2022 16:22

Instrument :

MSVOA_N

ClientSampleId :

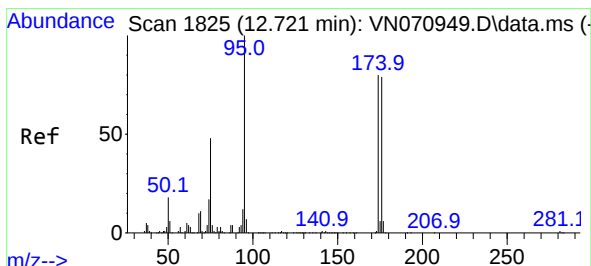
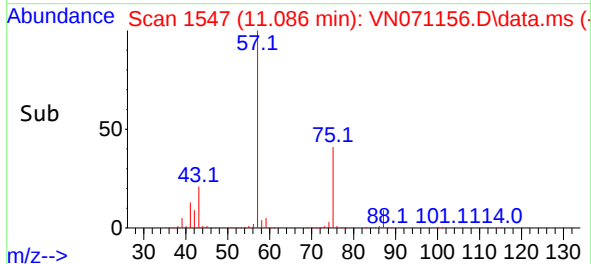
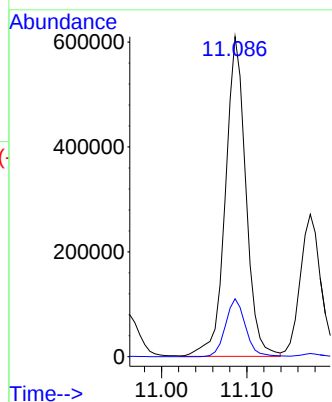
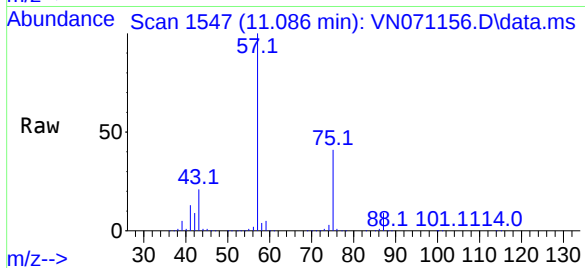
WC-2-Q3

Tgt Ion: 43 Resp: 1018290

Ion Ratio Lower Upper

43 100

58 17.8 26.9 80.7#



#62

4-Bromofluorobenzene

Concen: 49.099 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.006 min

Lab File: VN071156.D

Acq: 03 Mar 2022 16:22

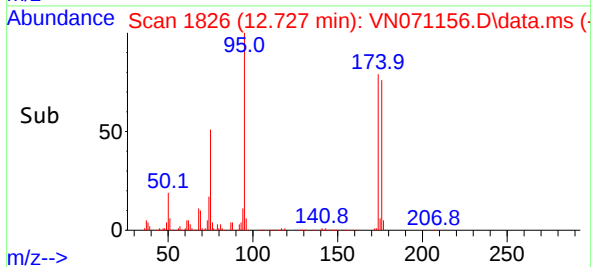
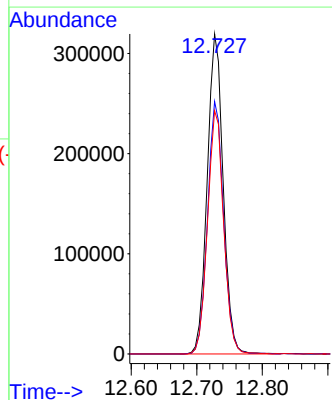
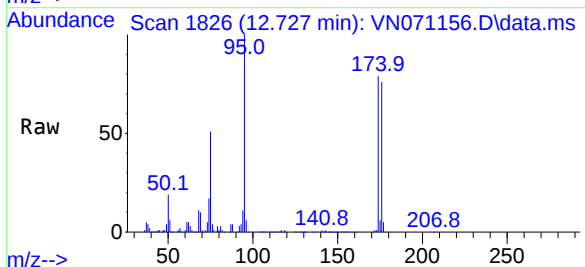
Tgt Ion: 95 Resp: 541066

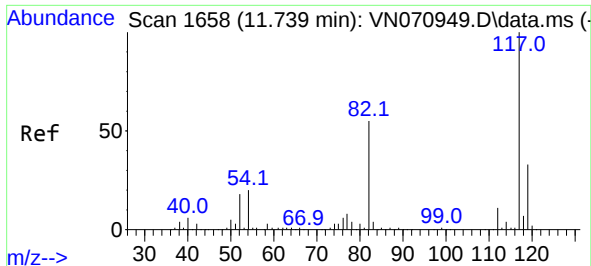
Ion Ratio Lower Upper

95 100

174 79.5 0.0 187.2

176 76.6 0.0 181.4

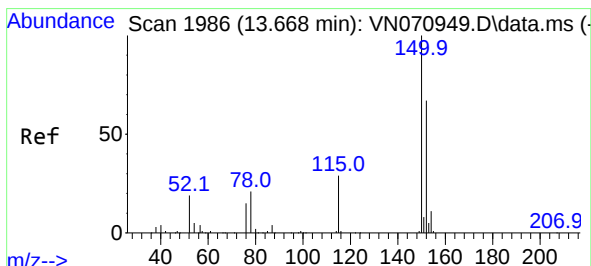
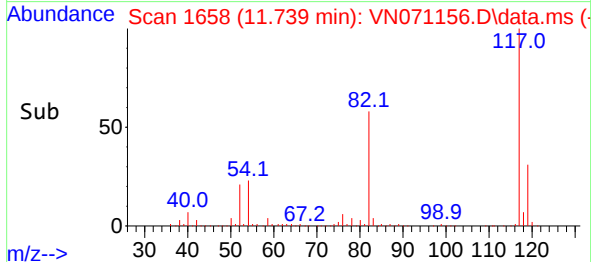
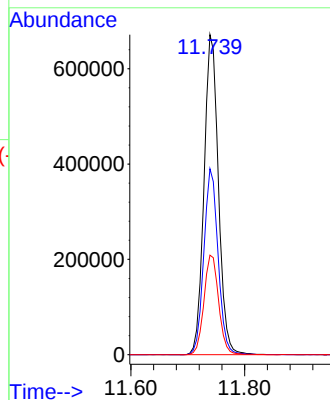
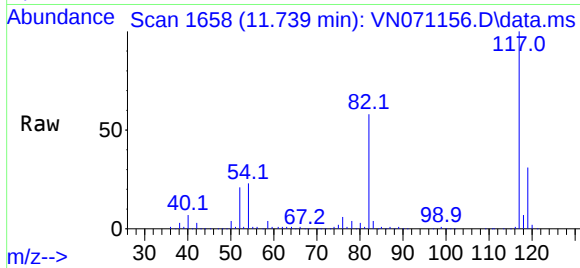




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1179108
Delta R.T. -0.000 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

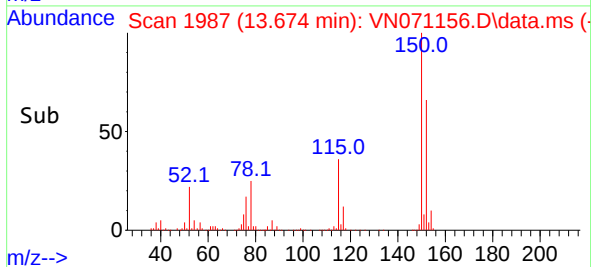
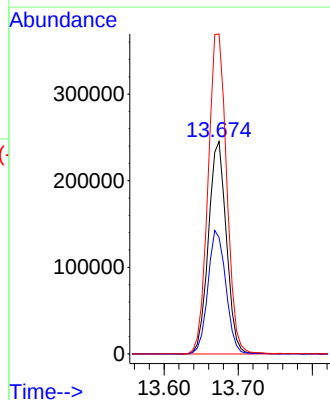
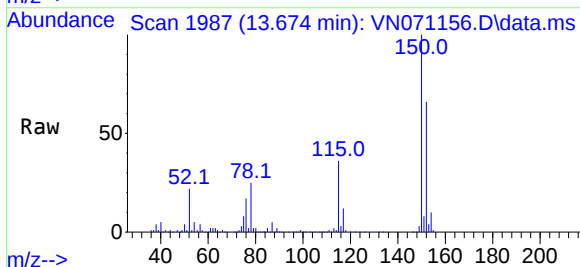
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q3

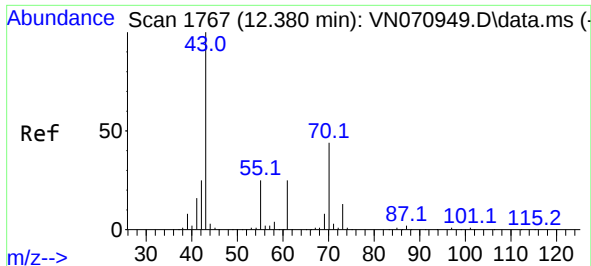
Tgt Ion:117 Resp: 1179108
Ion Ratio Lower Upper
117 100
82 58.1 42.4 63.6
119 31.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Tgt Ion:152 Resp: 413258
Ion Ratio Lower Upper
152 100
115 58.3 27.5 82.5
150 156.0 0.0 344.4

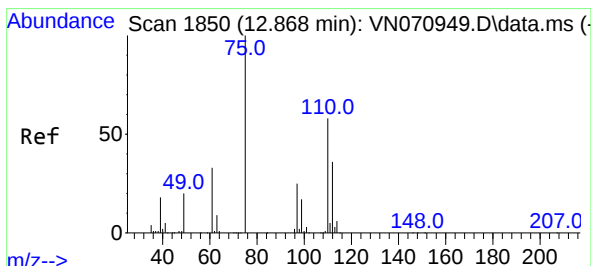
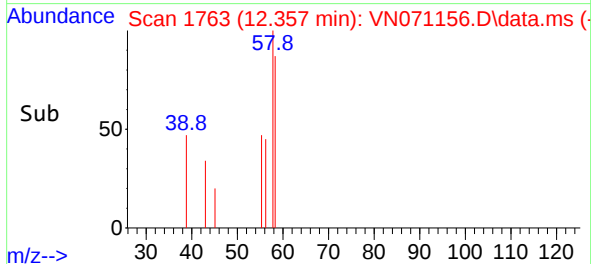
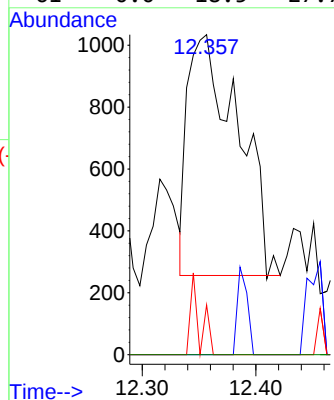
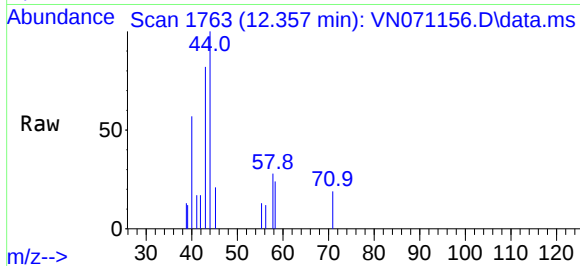




#74
N-amy1 acetate
Concen: 0.225 ug/l
RT: 12.357 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

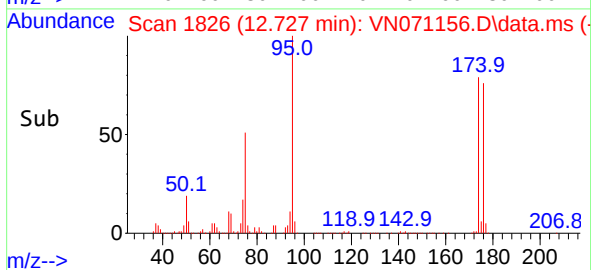
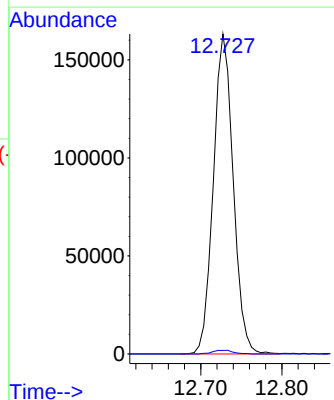
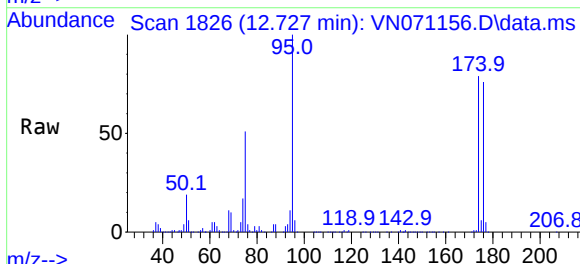
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q3

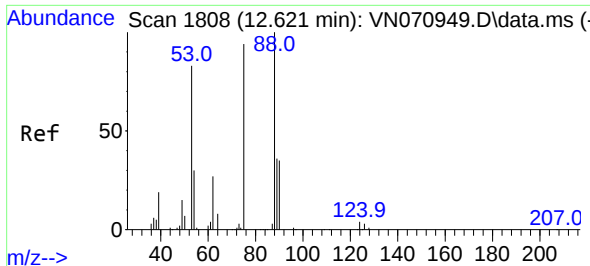
Tgt Ion: 43	Resp:	2391	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.4	50.0#
55	6.3	19.3	28.9#
61	0.0	18.5	27.7#



#76
1,2,3-Trichloropropane
Concen: 28.492 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Tgt Ion: 75	Resp: 277234
Ion Ratio	Lower Upper
75 100	
77 1.2	82.6 247.8#

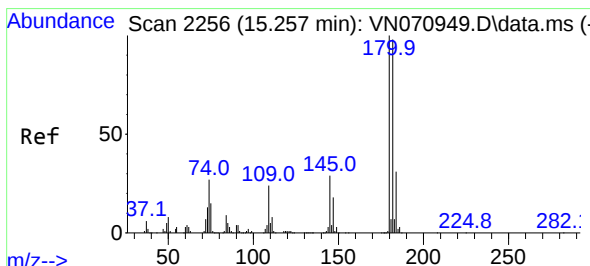
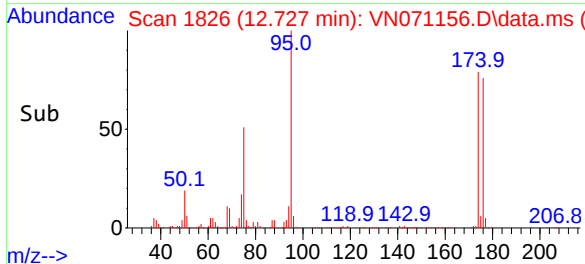
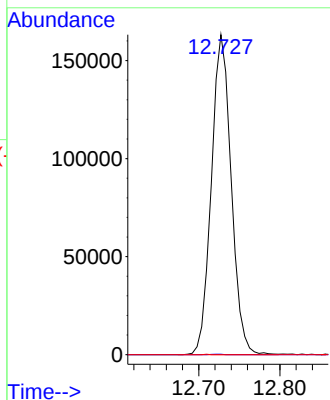
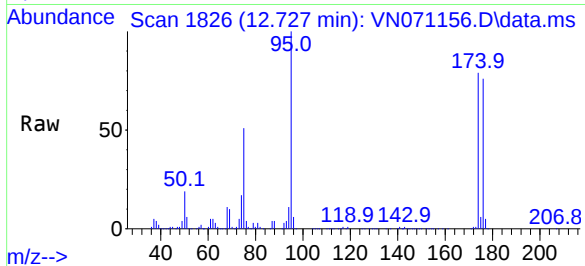




#81
trans-1,4-Dichloro-2-butene
Concen: 92.328 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

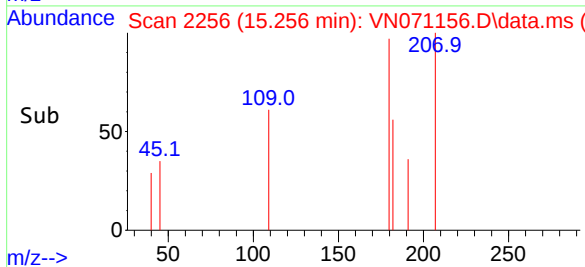
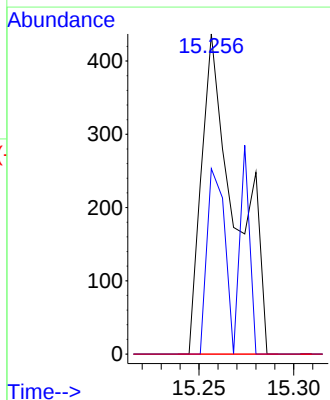
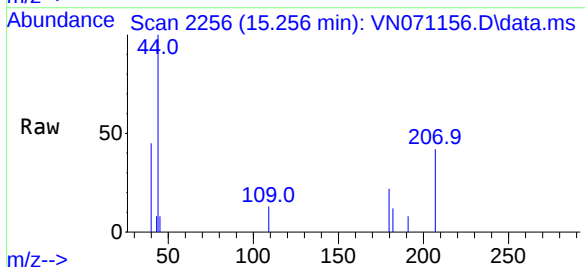
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q3

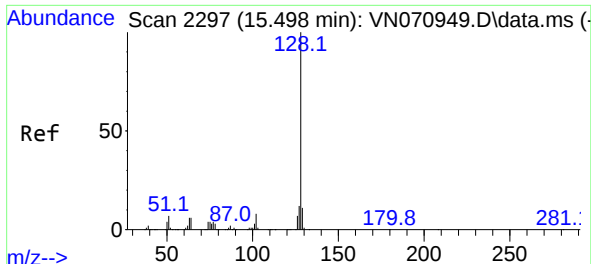
Tgt Ion: 75 Resp: 277234
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.067 ug/l
RT: 15.256 min Scan# 2256
Delta R.T. -0.001 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Tgt Ion: 180 Resp: 542
Ion Ratio Lower Upper
180 100
182 30.3 48.3 144.9#
145 0.0 14.5 43.5#

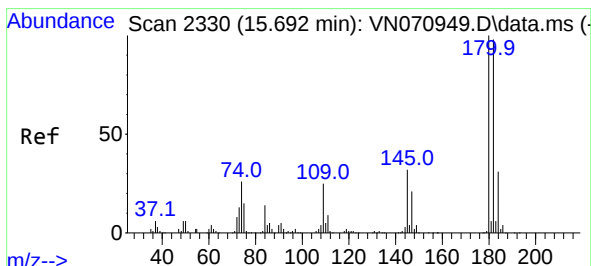
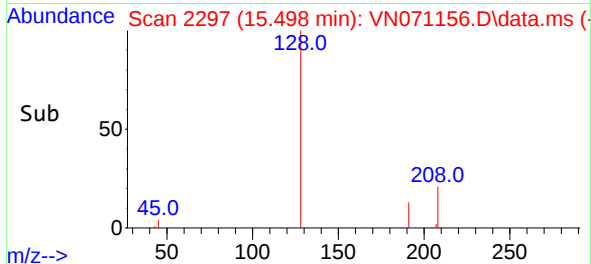
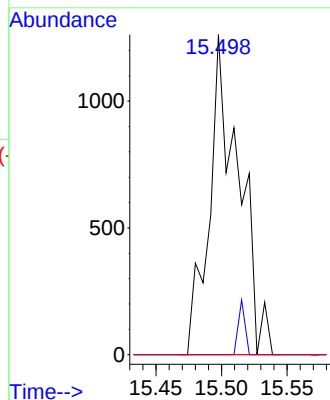
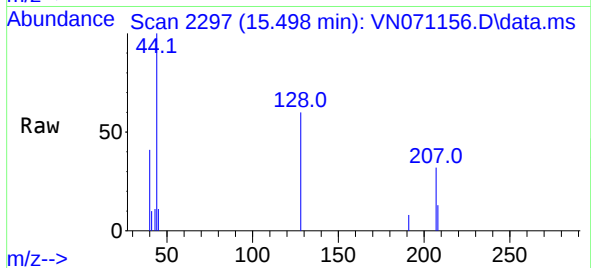




#95
Naphthalene
Concen: 5.086 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q3

Tgt Ion:128	Resp:	1970
Ion	Ratio	Lower Upper
128	100	
127	3.9	10.5 15.7#
129	0.0	8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.552 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN071156.D
Acq: 03 Mar 2022 16:22

Tgt Ion:180	Resp:	265
Ion	Ratio	Lower Upper
180	100	
182	171.3	47.4 142.2#
145	0.0	15.0 45.1#

