

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030322\
 Data File : VN071154.D
 Acq On : 03 Mar 2022 15:34
 Operator : JC\MD
 Sample : N1750-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2-Q1

Quant Time: Mar 04 01:14:29 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)

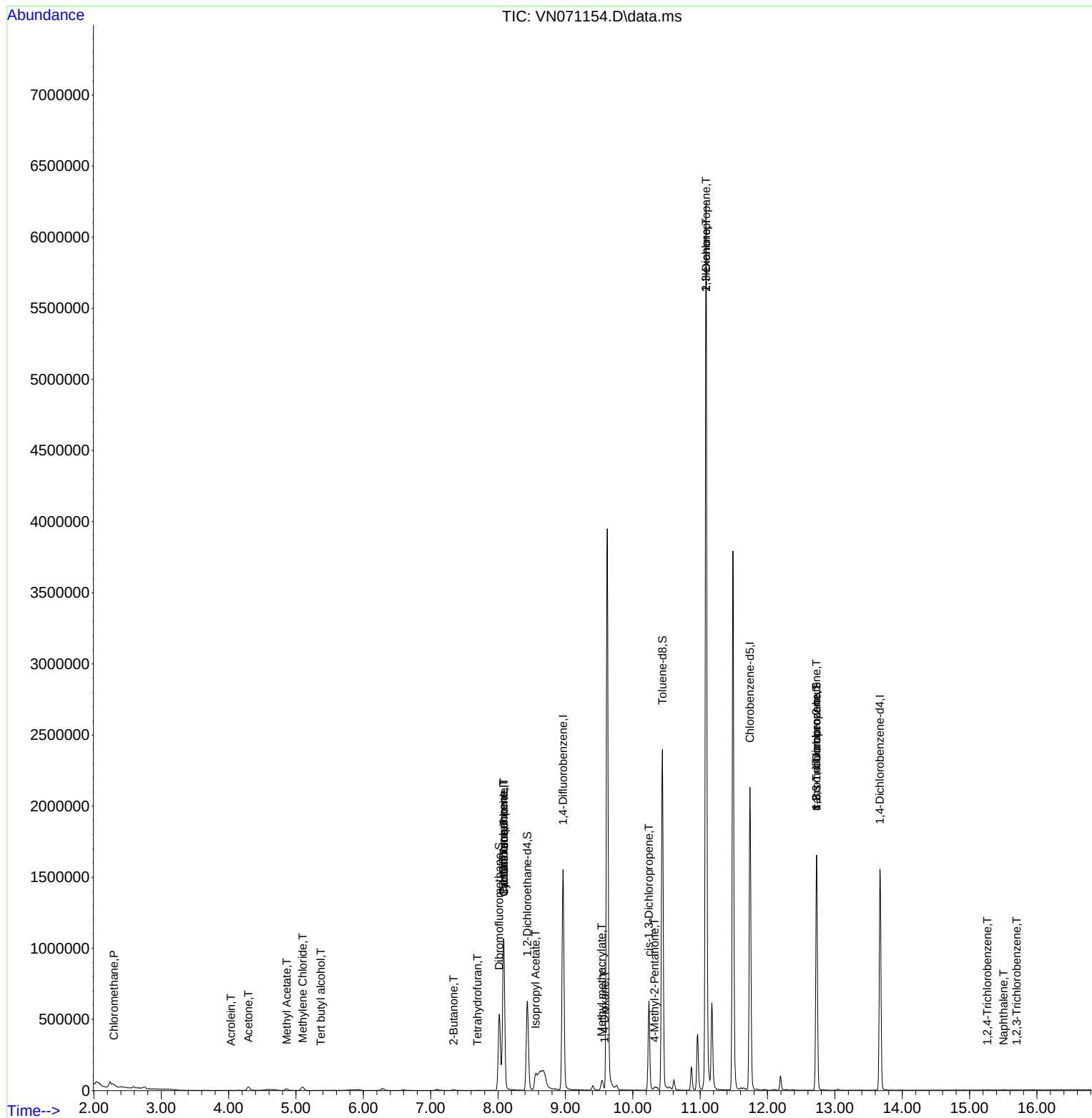
Internal Standards						
1) Pentafluorobenzene	8.081	168	827196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1357271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1237159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	440109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	521669	55.208	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.420%			
35) Dibromofluoromethane	8.016	113	394301	48.842	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.680%			
50) Toluene-d8	10.439	98	1664373	51.337	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.680%			
62) 4-Bromofluorobenzene	12.727	95	581236	50.156	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.320%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3137	0.290	ug/l #	73
11) Tert butyl alcohol	5.369	59	601	0.349	ug/l #	71
13) Acrolein	4.034	56	459	0.298	ug/l	91
16) Acetone	4.293	43	41983	8.068	ug/l	93
18) Methyl Acetate	4.863	43	26610	1.754	ug/l	90
20) Methylene Chloride	5.098	84	18460	1.952	ug/l	88
25) 2-Butanone	7.339	43	9524	1.376	ug/l #	83
29) Tetrahydrofuran	7.692	42	1553	0.346	ug/l #	57
31) Cyclohexane	8.086	56	17534	1.073	ug/l #	5
36) 1,1-Dichloropropene	8.081	75	64839	4.902	ug/l #	49
38) Carbon Tetrachloride	8.086	117	82754	6.350	ug/l #	16
43) Isopropyl Acetate	8.557	43	140757	6.295	ug/l #	77
48) Methyl methacrylate	9.539	41	19932	1.883	ug/l #	8
49) 1,4-Dioxane	9.580	88	54	0.287	ug/l #	27
51) 4-Methyl-2-Pentanone	10.322	43	17089	1.256	ug/l	99
54) cis-1,3-Dichloropropene	10.239	75	112699	7.080	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	66947	4.022	ug/l #	43
59) 2-Hexanone	11.086	43	1006052	107.532	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	292616	28.238	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	292616	91.505	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	487	2.057	ug/l #	73
95) Naphthalene	15.504	128	2327	5.096	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.698	180	799	2.618	ug/l #	86

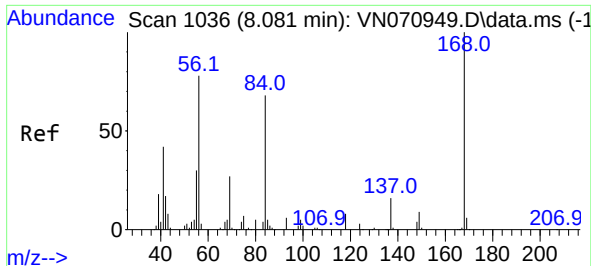
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 21 07:57:15 2022
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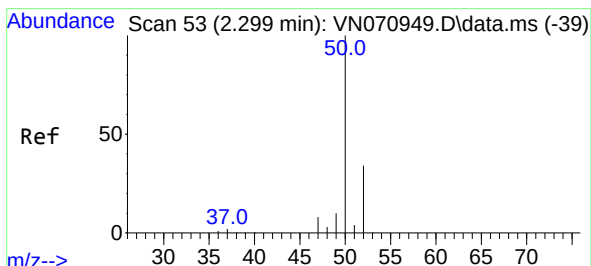
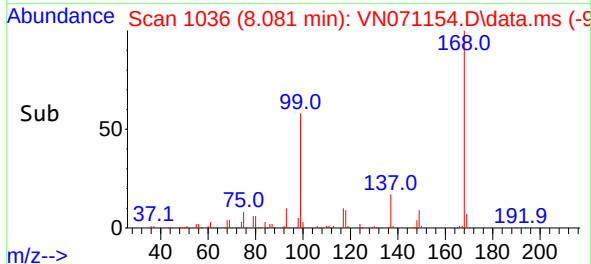
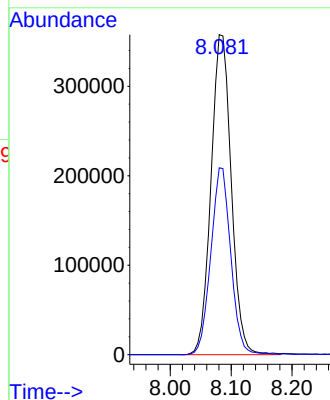
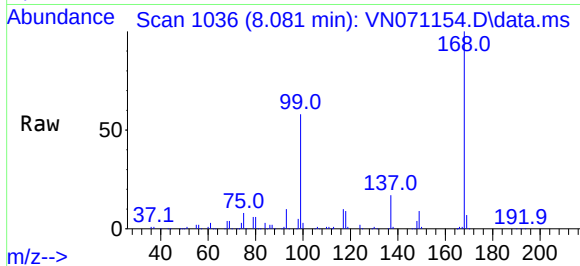




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

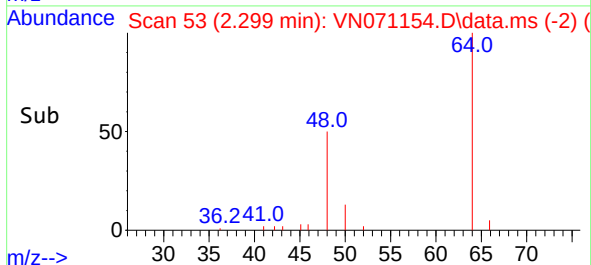
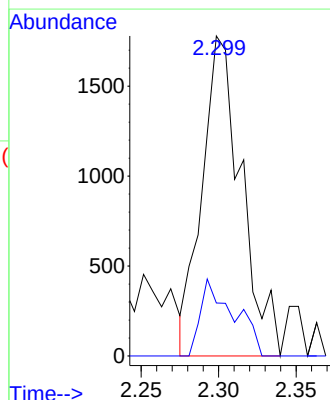
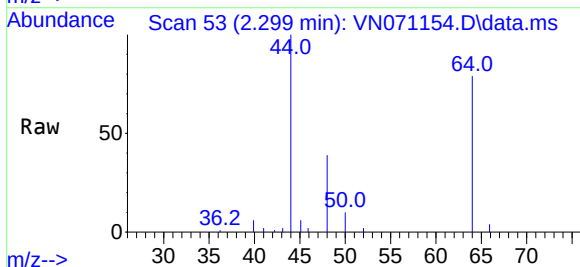
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q1

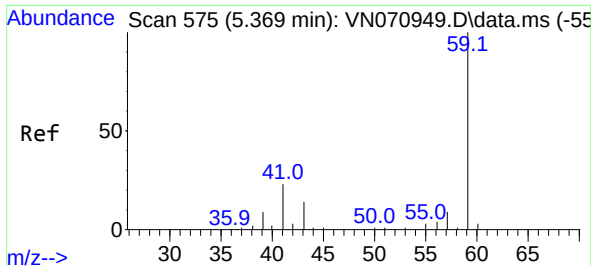
Tgt Ion:168 Resp: 827196
Ion Ratio Lower Upper
168 100
99 58.4 41.3 61.9



#3
Chloromethane
Concen: 0.290 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

Tgt Ion: 50 Resp: 3137
Ion Ratio Lower Upper
50 100
52 16.6 25.4 38.0#

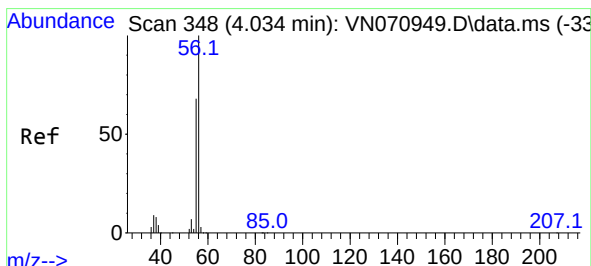
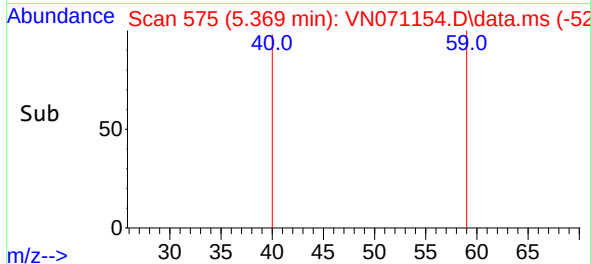
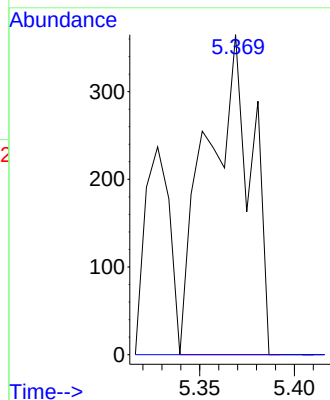
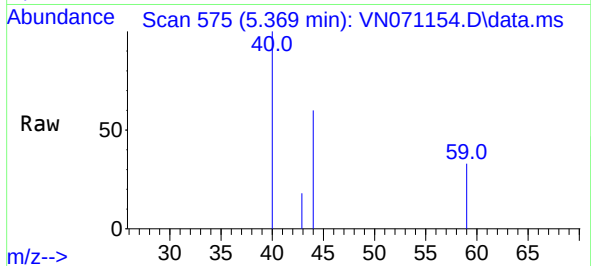




#11
Tert butyl alcohol
Concen: 0.349 ug/l
RT: 5.369 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

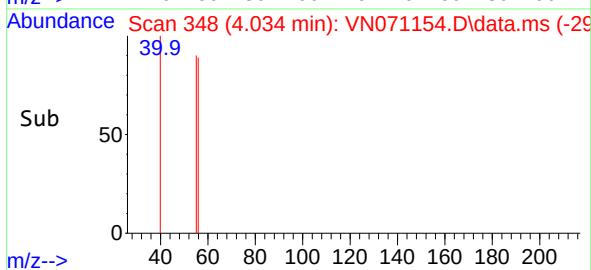
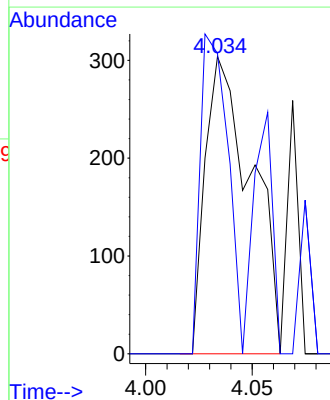
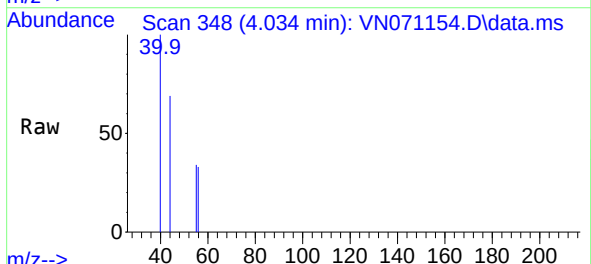
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q1

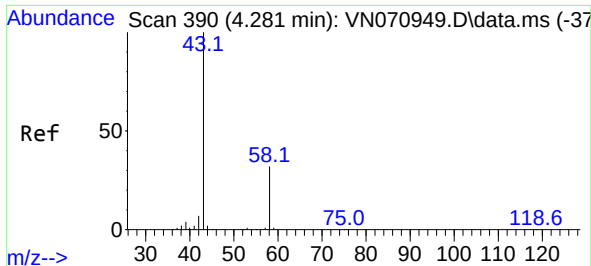
Tgt Ion: 59 Resp: 601
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.298 ug/l
RT: 4.034 min Scan# 348
Delta R.T. -0.000 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

Tgt Ion: 56 Resp: 459
Ion Ratio Lower Upper
56 100
55 63.6 56.6 85.0

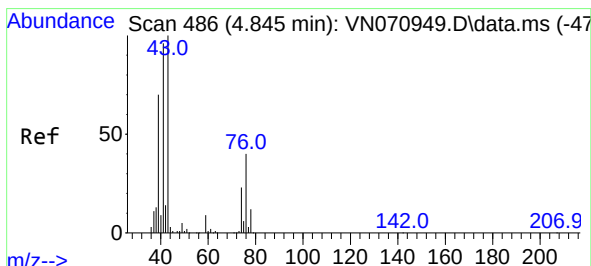
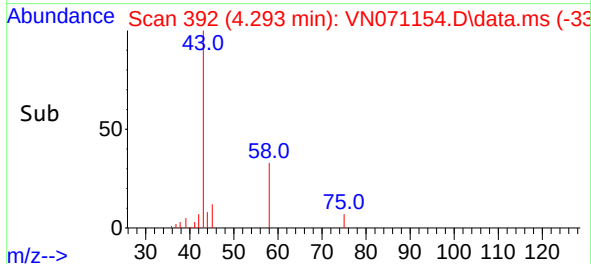
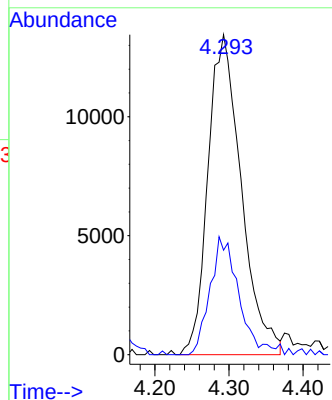
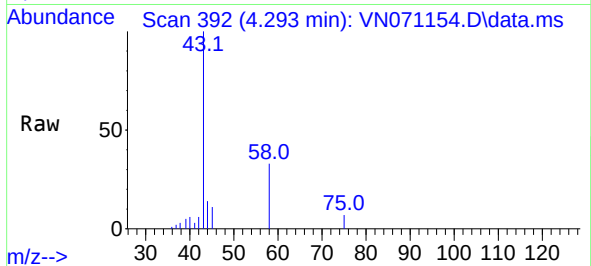




#16
Acetone
Concen: 8.068 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

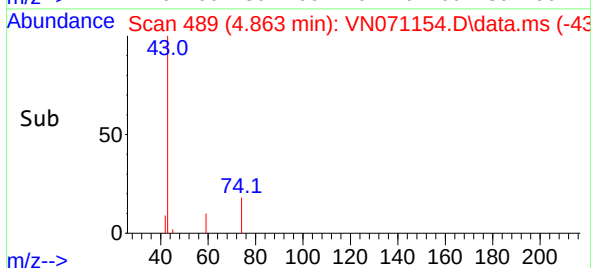
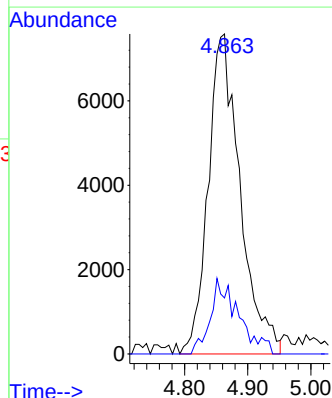
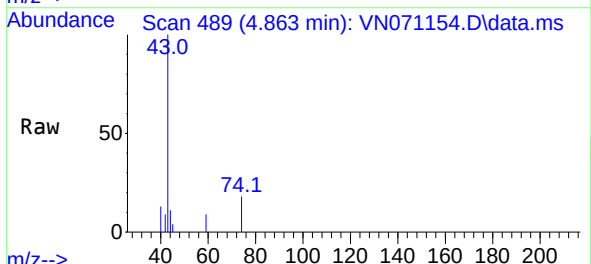
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q1

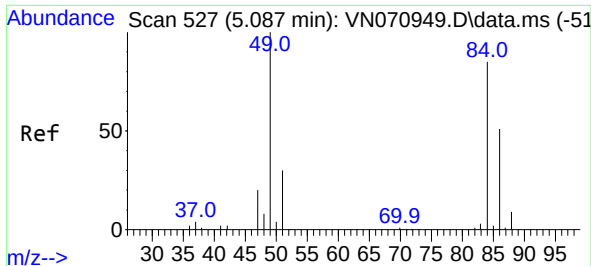
Tgt Ion: 43 Resp: 41983
Ion Ratio Lower Upper
43 100
58 32.6 23.1 34.7



#18
Methyl Acetate
Concen: 1.754 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.018 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

Tgt Ion: 43 Resp: 26610
Ion Ratio Lower Upper
43 100
74 19.5 19.4 29.2

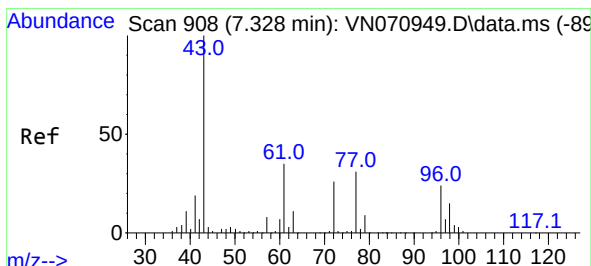
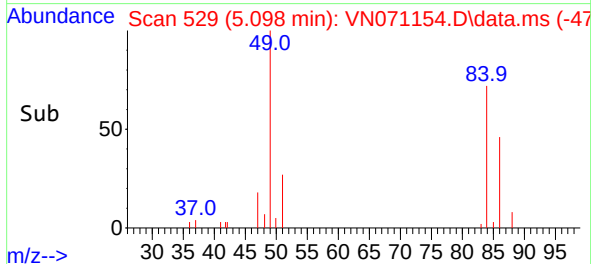
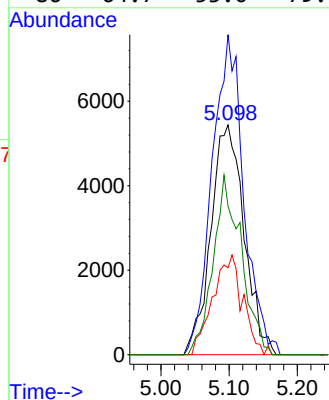
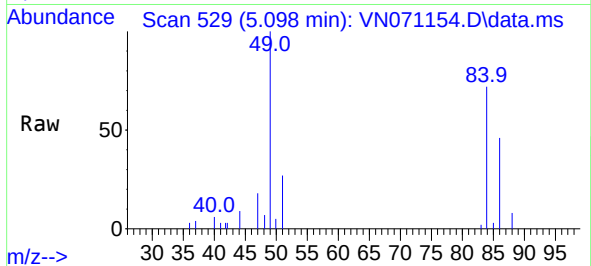




#20
Methylene Chloride
Concen: 1.952 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

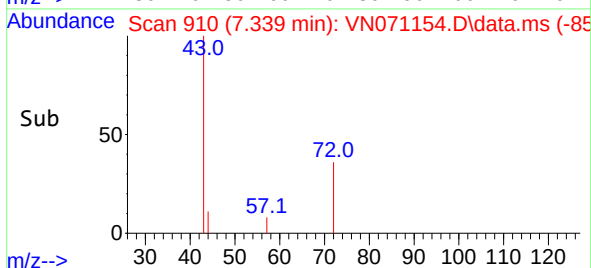
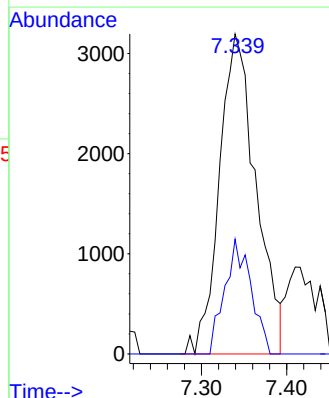
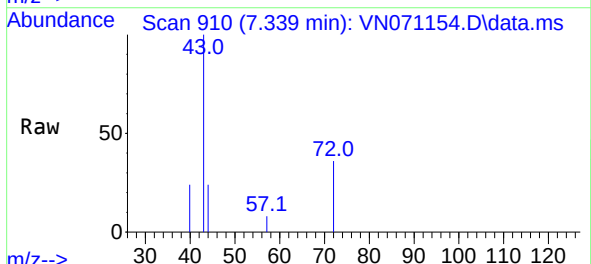
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q1

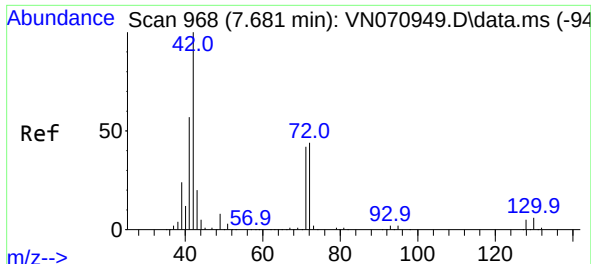
Tgt Ion:	84	Resp:	18460
Ion	Ratio	Lower	Upper
84	100		
49	139.2	93.5	140.3
51	37.8	29.4	44.2
86	64.7	53.0	79.4



#25
2-Butanone
Concen: 1.376 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

Tgt Ion:	43	Resp:	9524
Ion	Ratio	Lower	Upper
43	100		
72	35.8	21.7	32.5#





#29

Tetrahydrofuran

Concen: 0.346 ug/l

RT: 7.692 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN071154.D

Acq: 03 Mar 2022 15:34

Instrument :

MSVOA_N

ClientSampleId :

WC-2-Q1

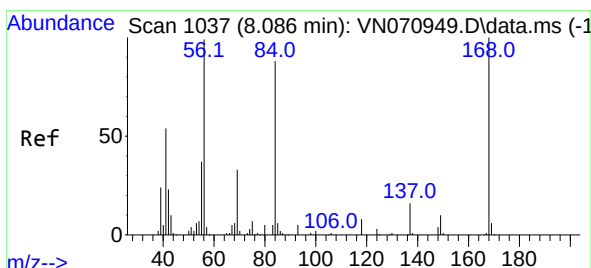
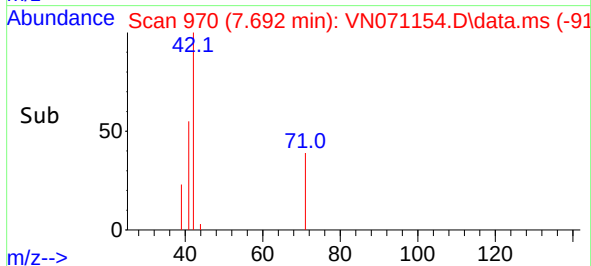
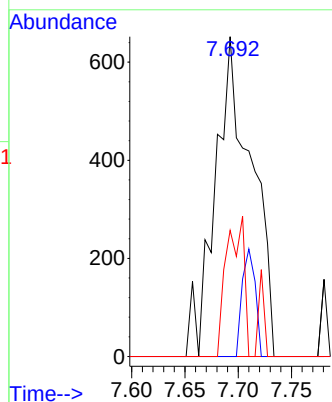
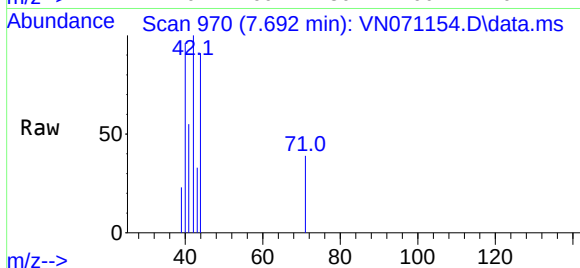
Tgt Ion: 42 Resp: 1553

Ion Ratio Lower Upper

42 100

72 12.0 36.3 54.5#

71 21.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.073 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VN071154.D

Acq: 03 Mar 2022 15:34

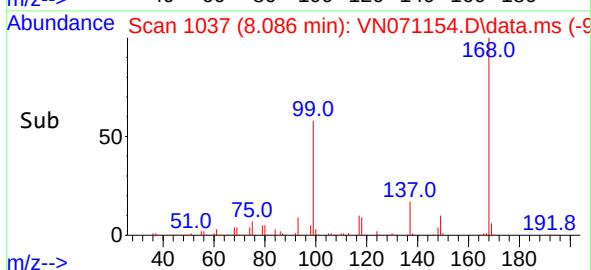
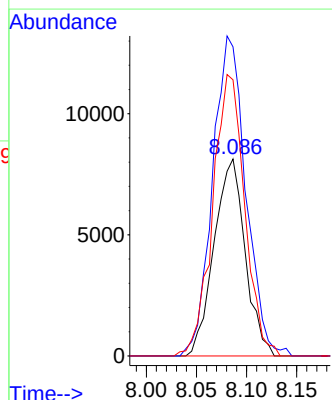
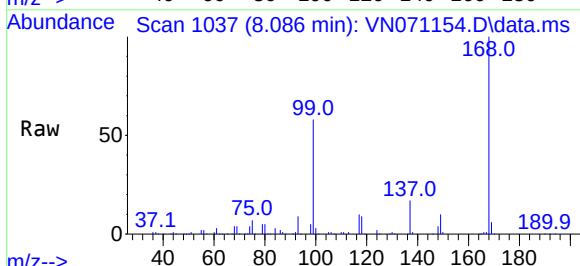
Tgt Ion: 56 Resp: 17534

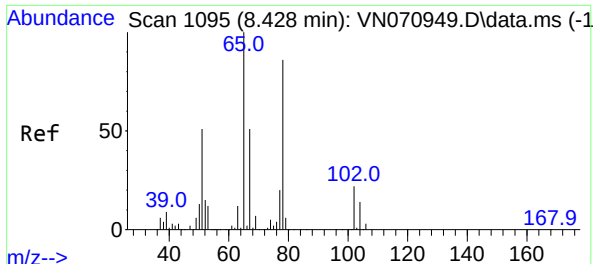
Ion Ratio Lower Upper

56 100

69 157.0 27.1 40.7#

84 140.3 73.4 110.0#

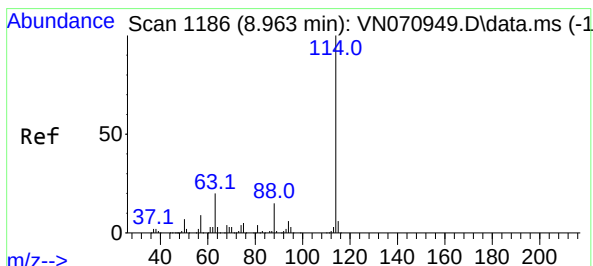
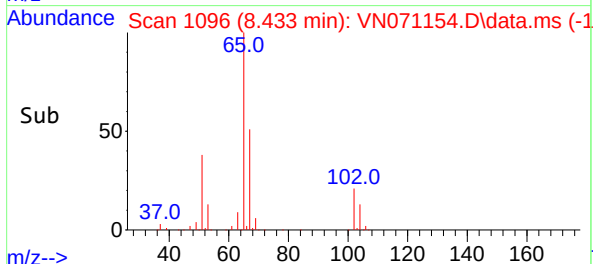
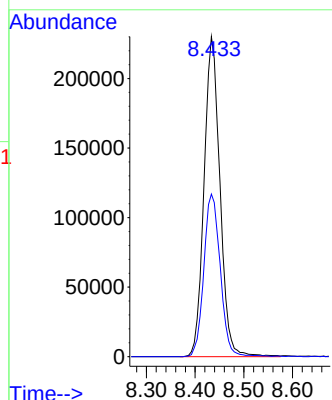
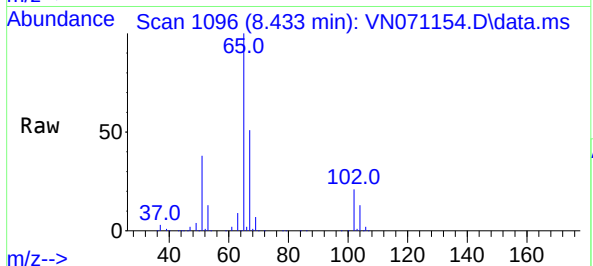




#33
1,2-Dichloroethane-d4
Concen: 55.208 ug/l
RT: 8.433 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

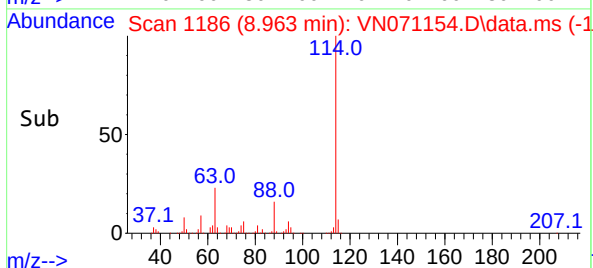
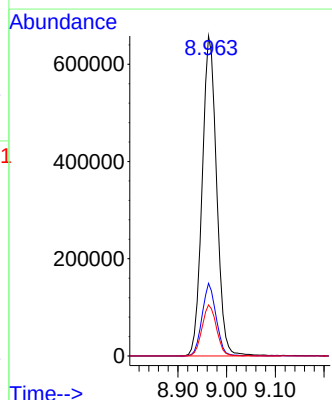
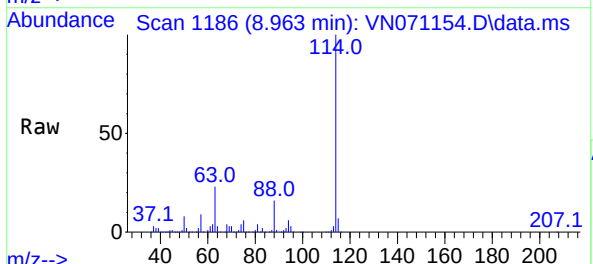
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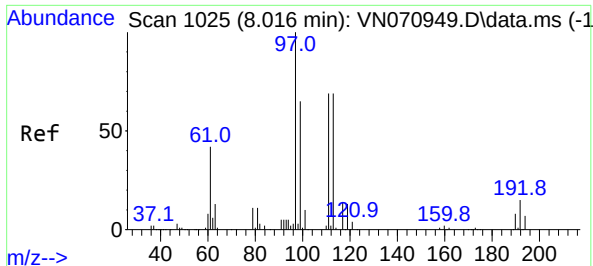
Tgt Ion: 65 Resp: 521669
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

Tgt Ion:114 Resp: 1357271
Ion Ratio Lower Upper
114 100
63 22.7 0.0 37.8
88 15.9 0.0 27.4

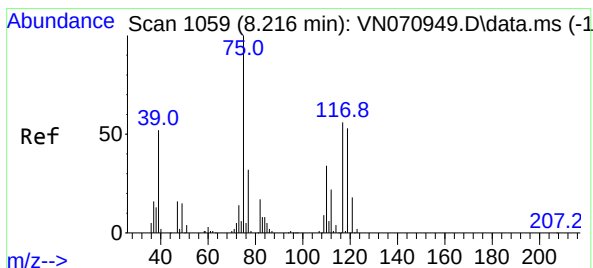
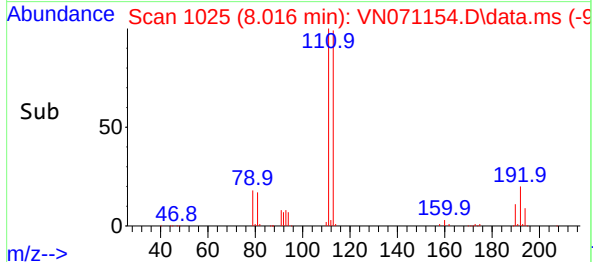
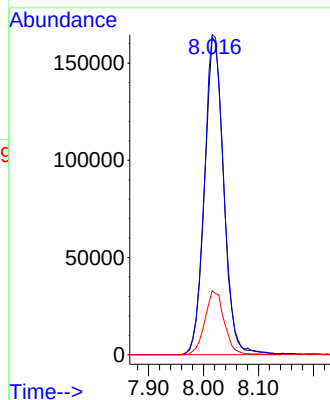
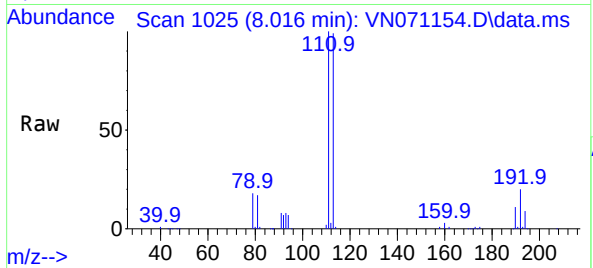




#35
Dibromofluoromethane
Concen: 48.842 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

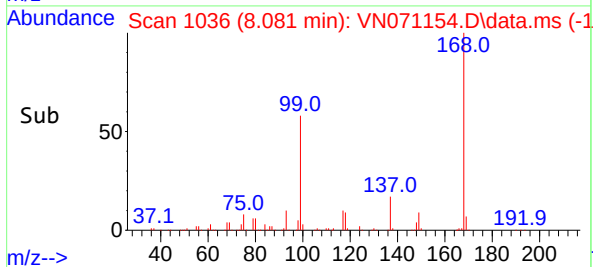
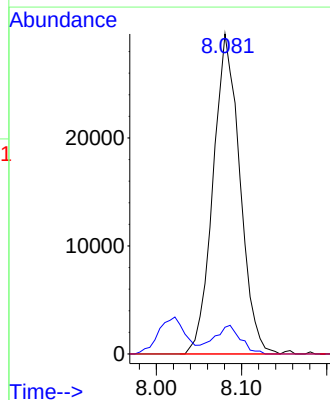
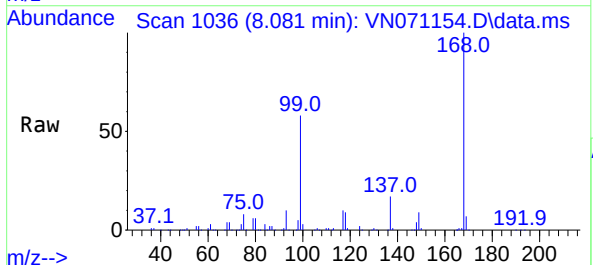
Instrument :
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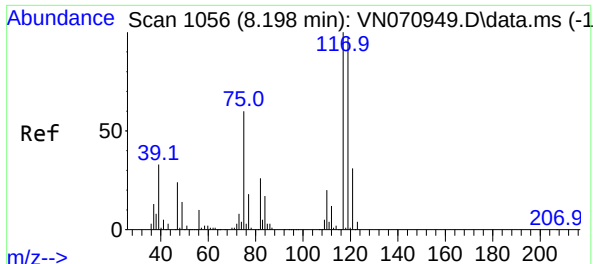
Tgt Ion:113 Resp: 394301
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 20.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.902 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

Tgt Ion: 75 Resp: 64839
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#

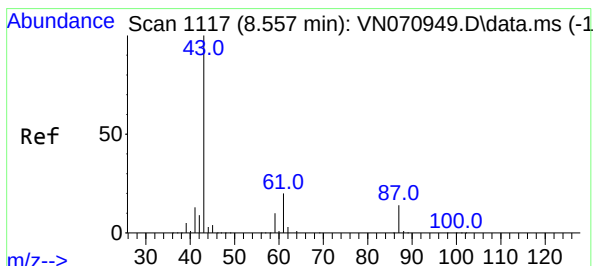
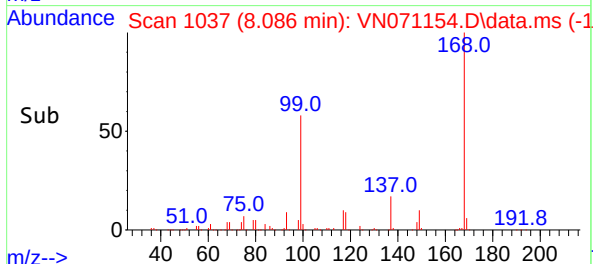
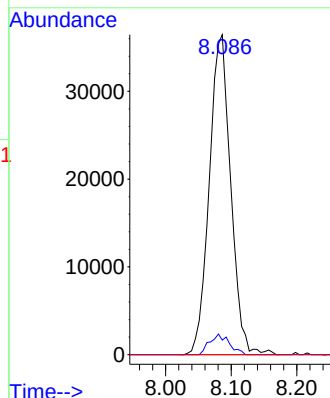
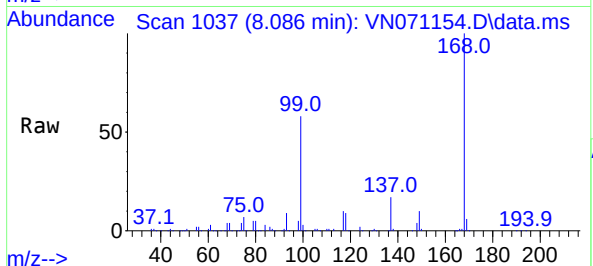




#38
Carbon Tetrachloride
Concen: 6.350 ug/l
RT: 8.086 min Scan# 1107
Delta R.T. -0.112 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

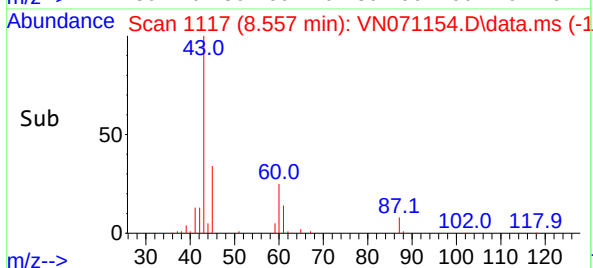
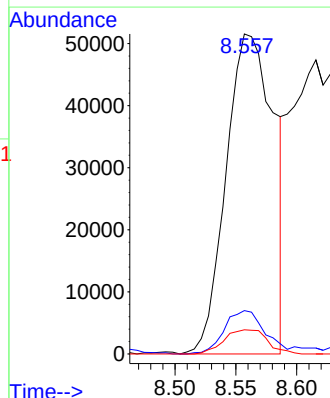
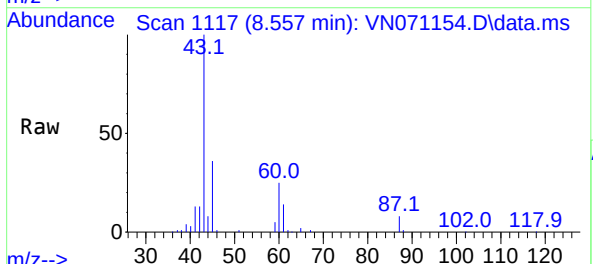
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q1

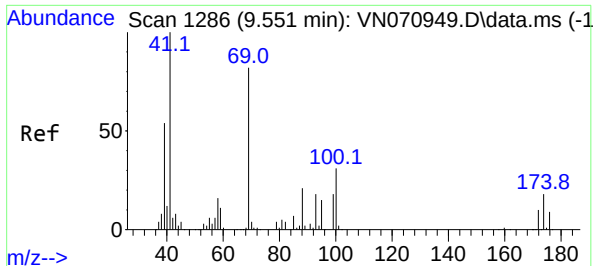
Tgt Ion:117 Resp: 82754
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 6.295 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

Tgt Ion: 43 Resp: 140757
Ion Ratio Lower Upper
43 100
61 12.6 20.4 30.6#
87 6.8 11.2 16.8#

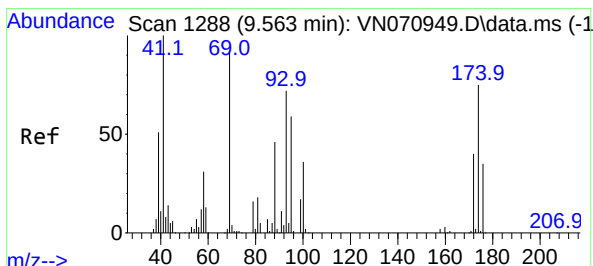
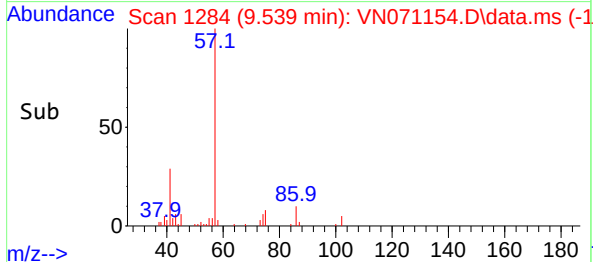
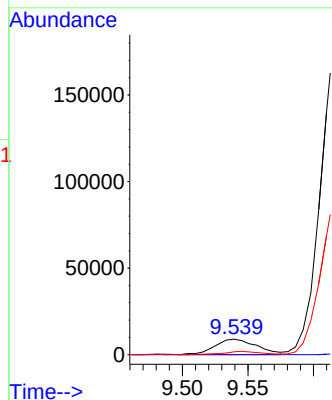
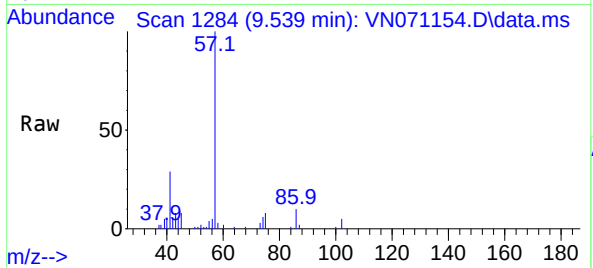




#48
Methyl methacrylate
Concen: 1.883 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

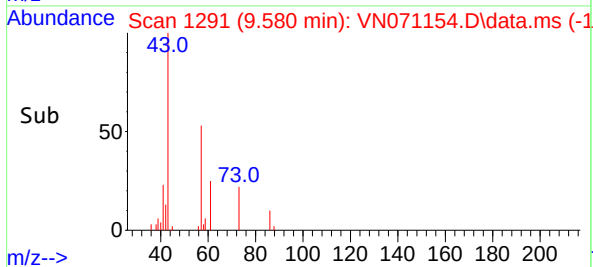
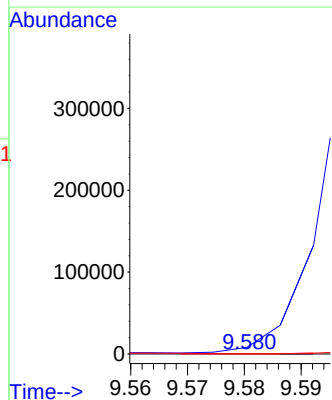
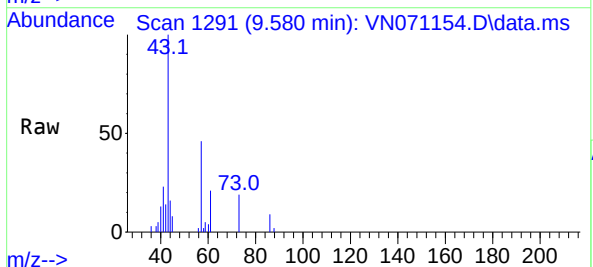
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q1

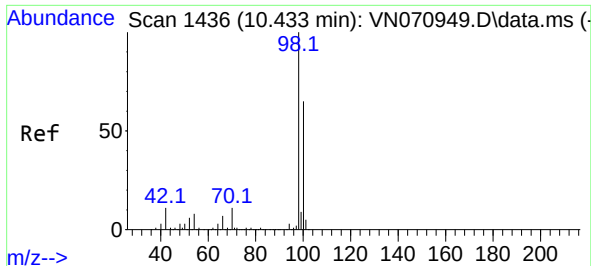
Tgt Ion: 41 Resp: 19932
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.287 ug/l
RT: 9.580 min Scan# 1291
Delta R.T. 0.018 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

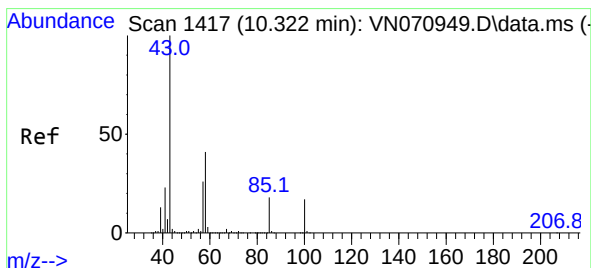
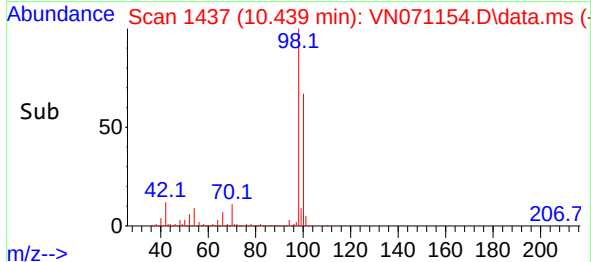
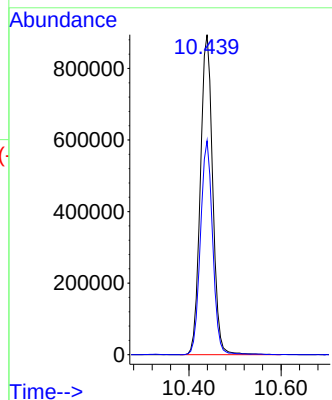
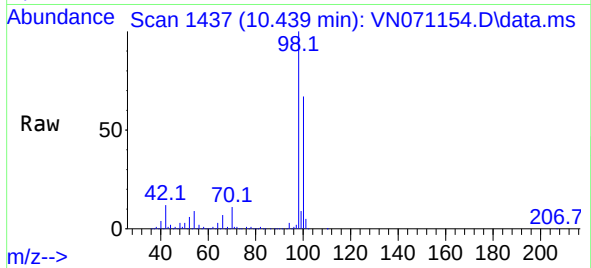




#50
Toluene-d8
Concen: 51.337 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

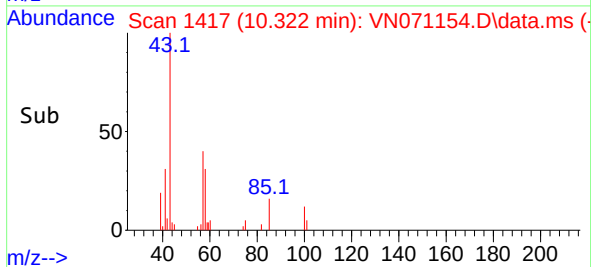
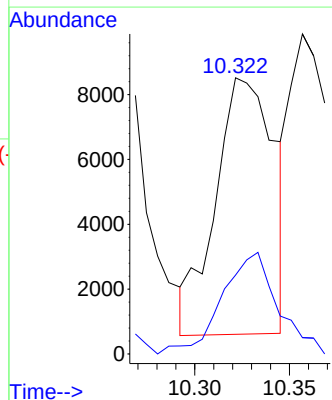
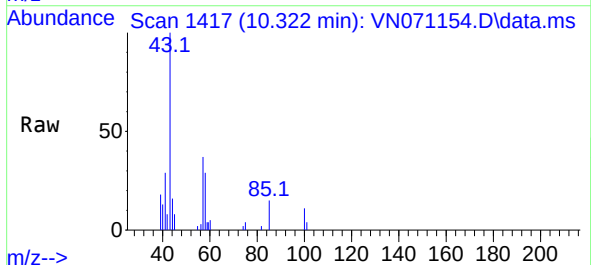
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q1

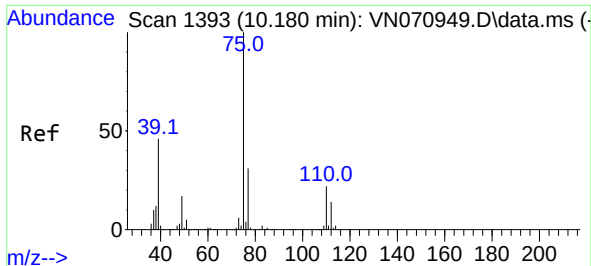
Tgt Ion: 98 Resp: 1664373
Ion Ratio Lower Upper
98 100
100 66.2 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.256 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

Tgt Ion: 43 Resp: 17089
Ion Ratio Lower Upper
43 100
58 37.5 30.4 45.6

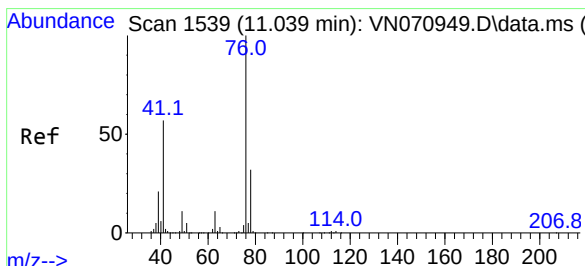
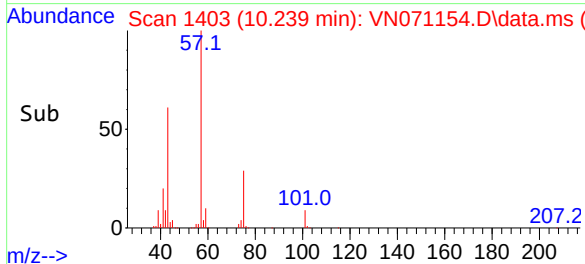
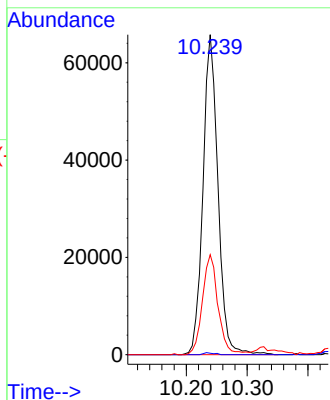
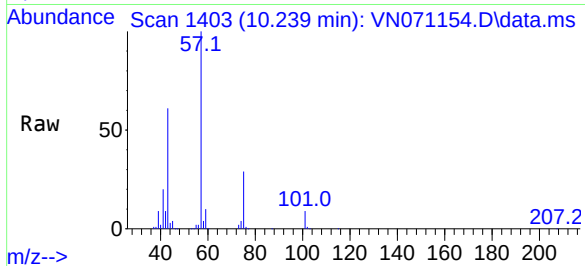




#54
 cis-1,3-Dichloropropene
 Concen: 7.080 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.059 min
 Lab File: VN071154.D
 Acq: 03 Mar 2022 15:34

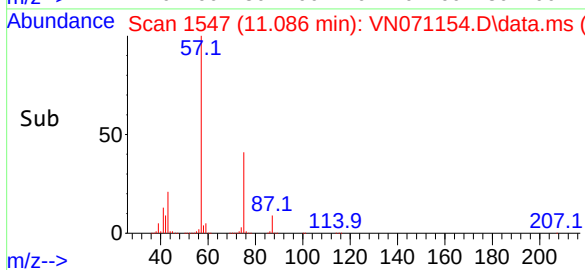
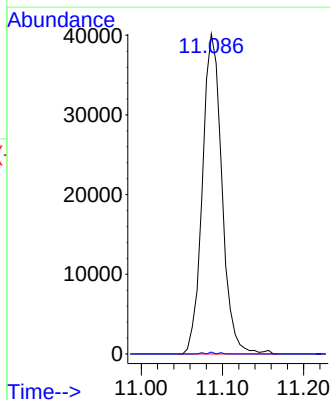
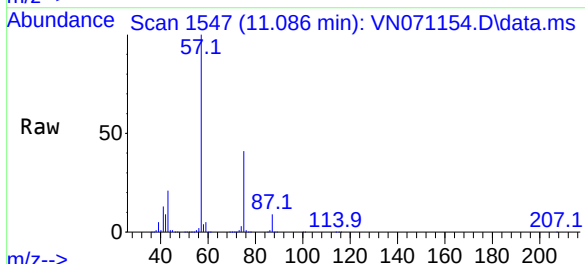
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2-Q1

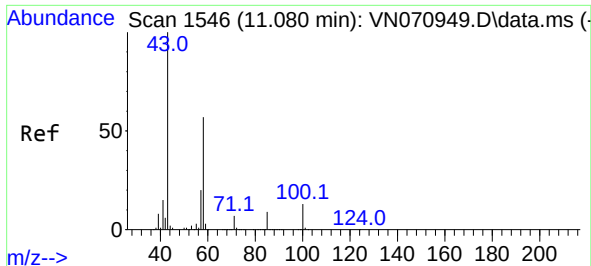
Tgt Ion: 75 Resp: 112699
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.4 39.6#
 39 31.2 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 4.022 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071154.D
 Acq: 03 Mar 2022 15:34

Tgt Ion: 76 Resp: 66947
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.7 38.5#

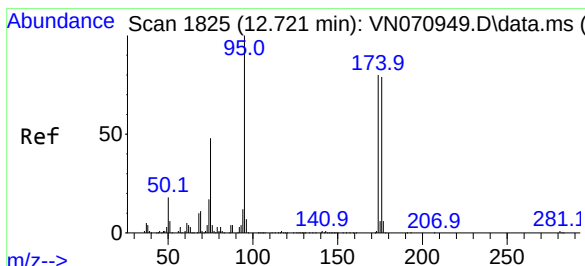
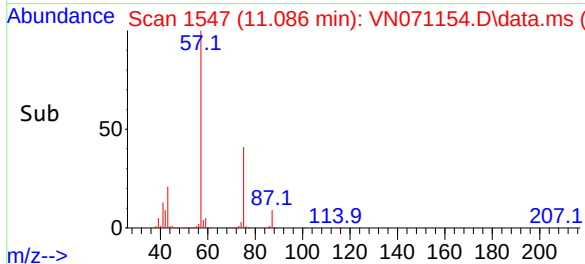
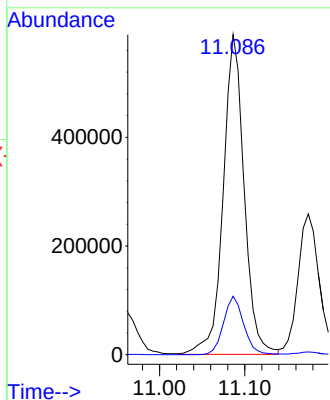
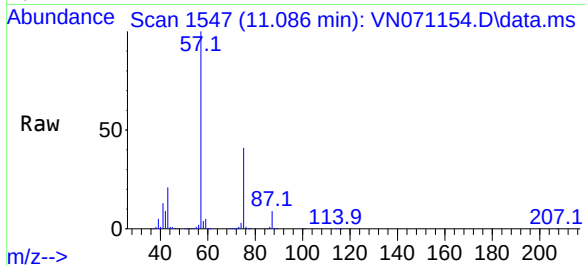




#59
2-Hexanone
Concen: 107.532 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

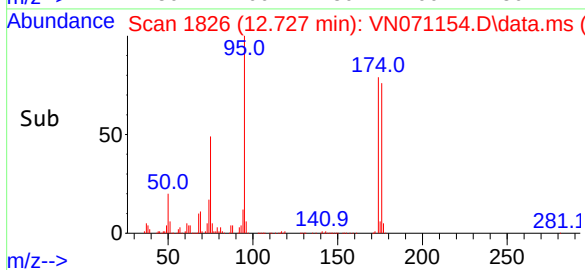
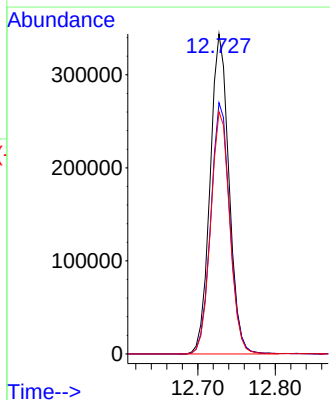
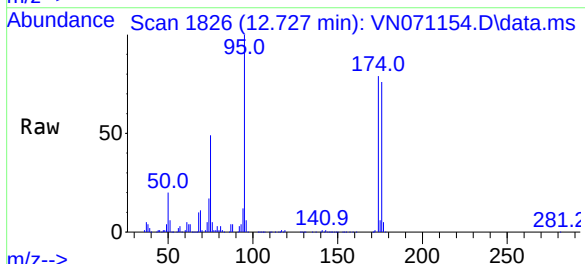
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q1

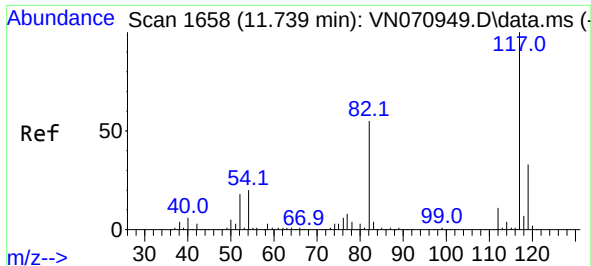
Tgt Ion: 43 Resp: 1006052
Ion Ratio Lower Upper
43 100
58 17.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 50.156 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

Tgt Ion: 95 Resp: 581236
Ion Ratio Lower Upper
95 100
174 79.4 0.0 187.2
176 76.5 0.0 181.4

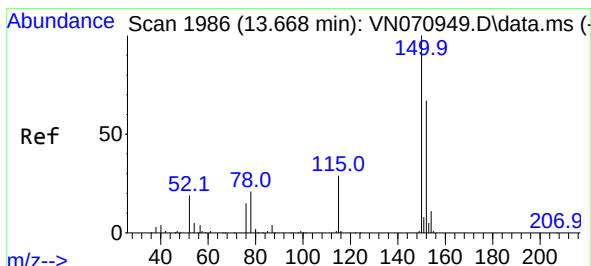
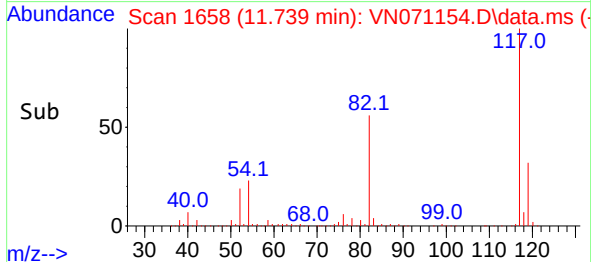
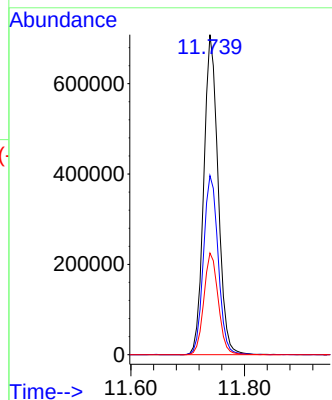
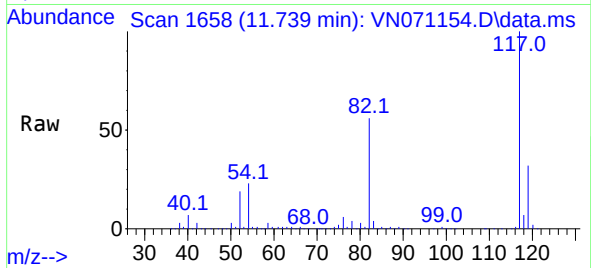




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

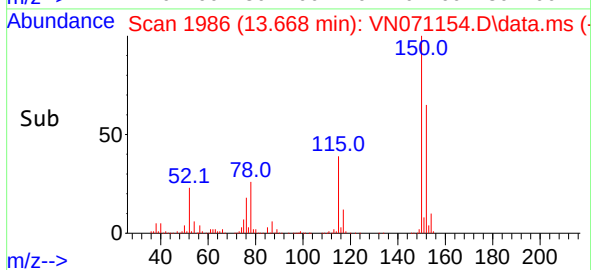
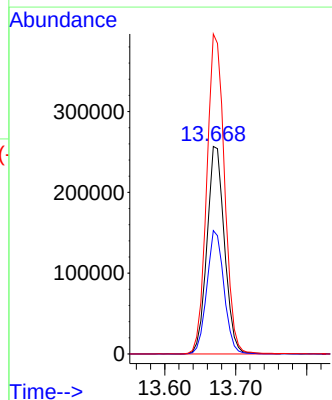
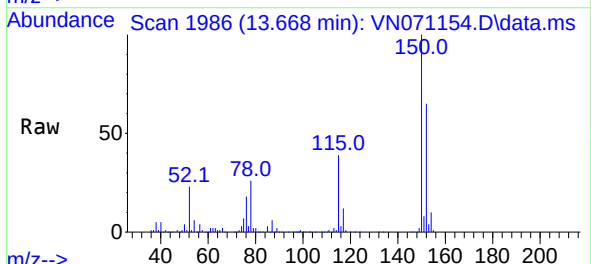
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q1

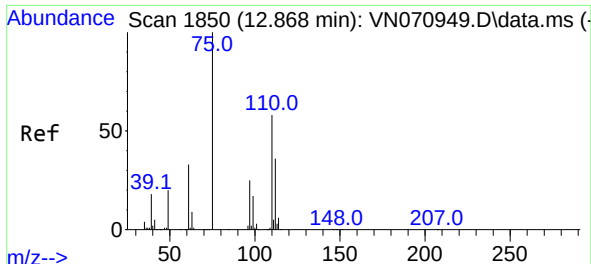
Tgt Ion:117 Resp: 1237159
Ion Ratio Lower Upper
117 100
82 56.0 42.4 63.6
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

Tgt Ion:152 Resp: 440109
Ion Ratio Lower Upper
152 100
115 58.2 27.5 82.5
150 156.6 0.0 344.4

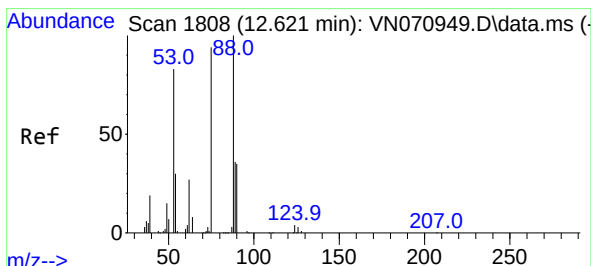
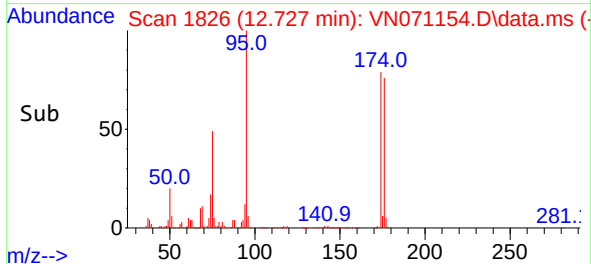
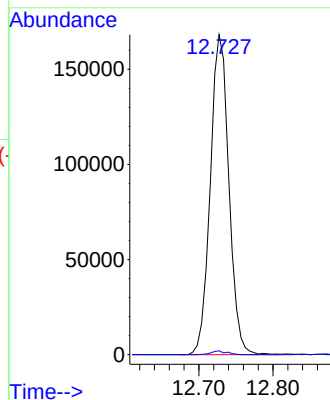
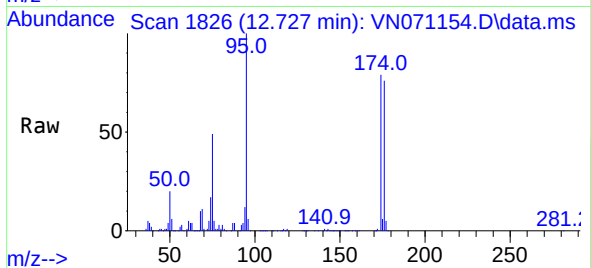




#76
1,2,3-Trichloropropane
Concen: 28.238 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

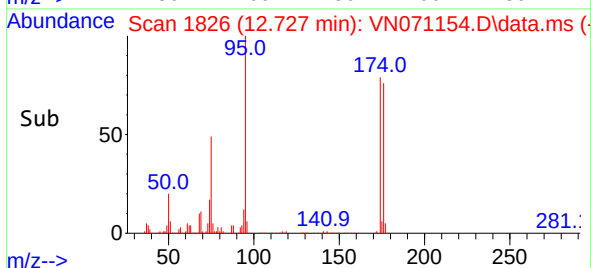
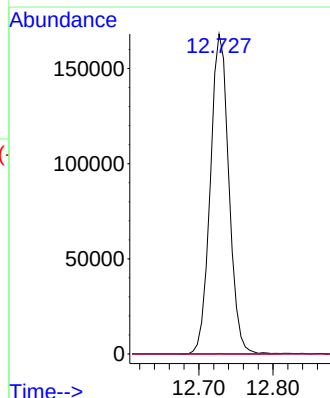
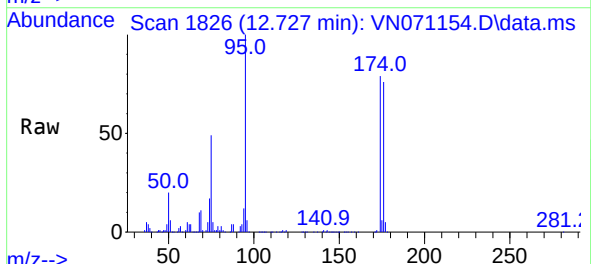
Instrument :
MSVOA_N
ClientSampleId :
WC-2-Q1

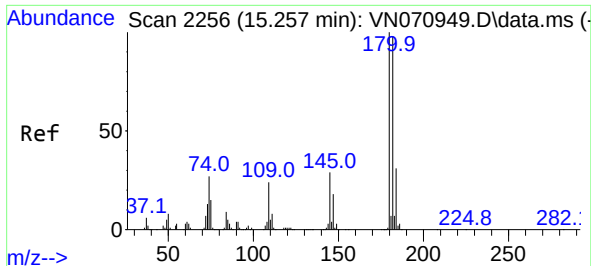
Tgt Ion: 75 Resp: 292616
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.505 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071154.D
Acq: 03 Mar 2022 15:34

Tgt Ion: 75 Resp: 292616
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 2.057 ug/l

RT: 15.262 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN071154.D

Acq: 03 Mar 2022 15:34

Instrument :

MSVOA_N

ClientSampleId :

WC-2-Q1

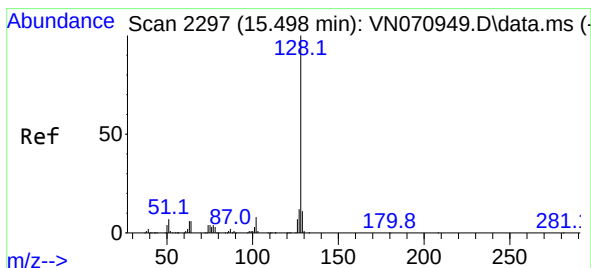
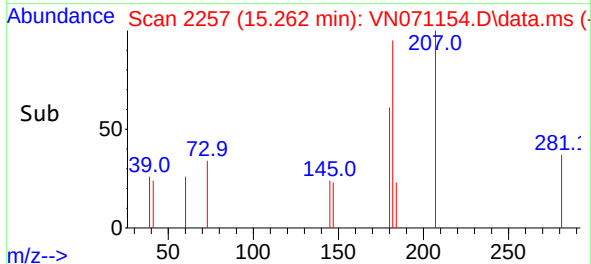
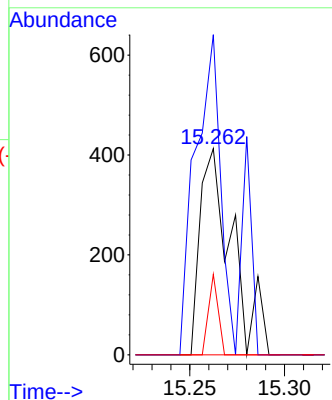
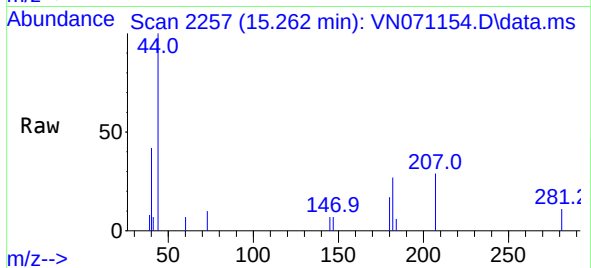
Tgt Ion:180 Resp: 487

Ion Ratio Lower Upper

180 100

182 121.4 48.3 144.9

145 11.7 14.5 43.5#



#95

Naphthalene

Concen: 5.096 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VN071154.D

Acq: 03 Mar 2022 15:34

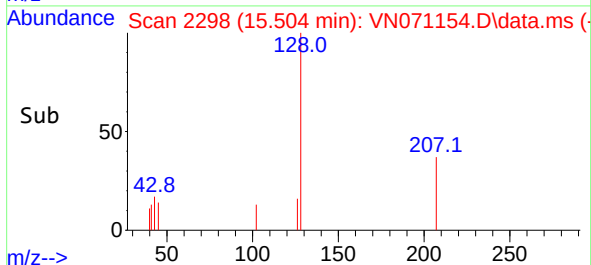
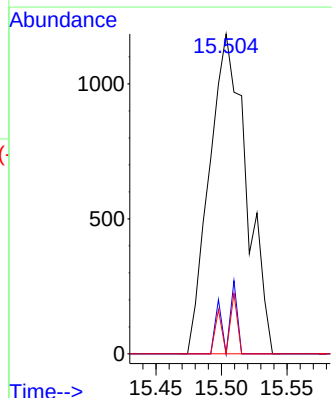
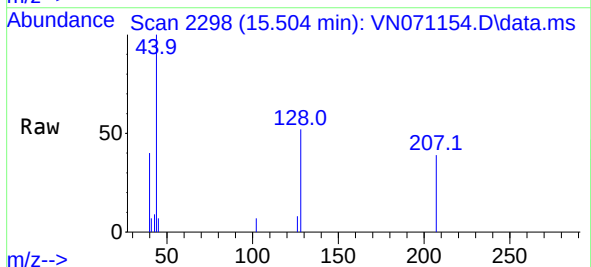
Tgt Ion:128 Resp: 2327

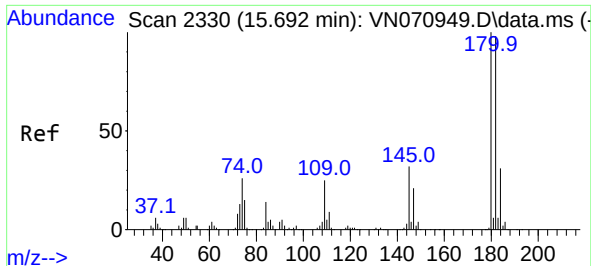
Ion Ratio Lower Upper

128 100

127 3.1 10.5 15.7#

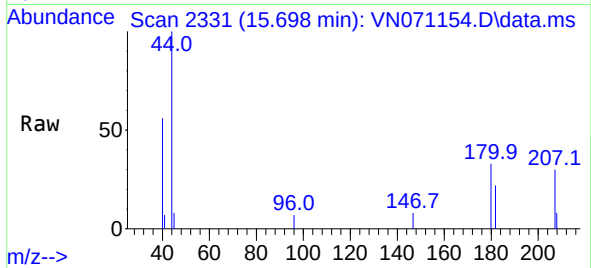
129 2.4 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.618 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071154.D
 Acq: 03 Mar 2022 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2-Q1



Tgt Ion:	180	Resp:	799
Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.4	142.2
145	0.0	15.0	45.1#

