

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032522\
 Data File : VN071554.D
 Acq On : 25 Mar 2022 17:55
 Operator : JC\MD
 Sample : N2077-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-4(2.5-3.0)

Quant Time: Mar 26 04:05:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

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

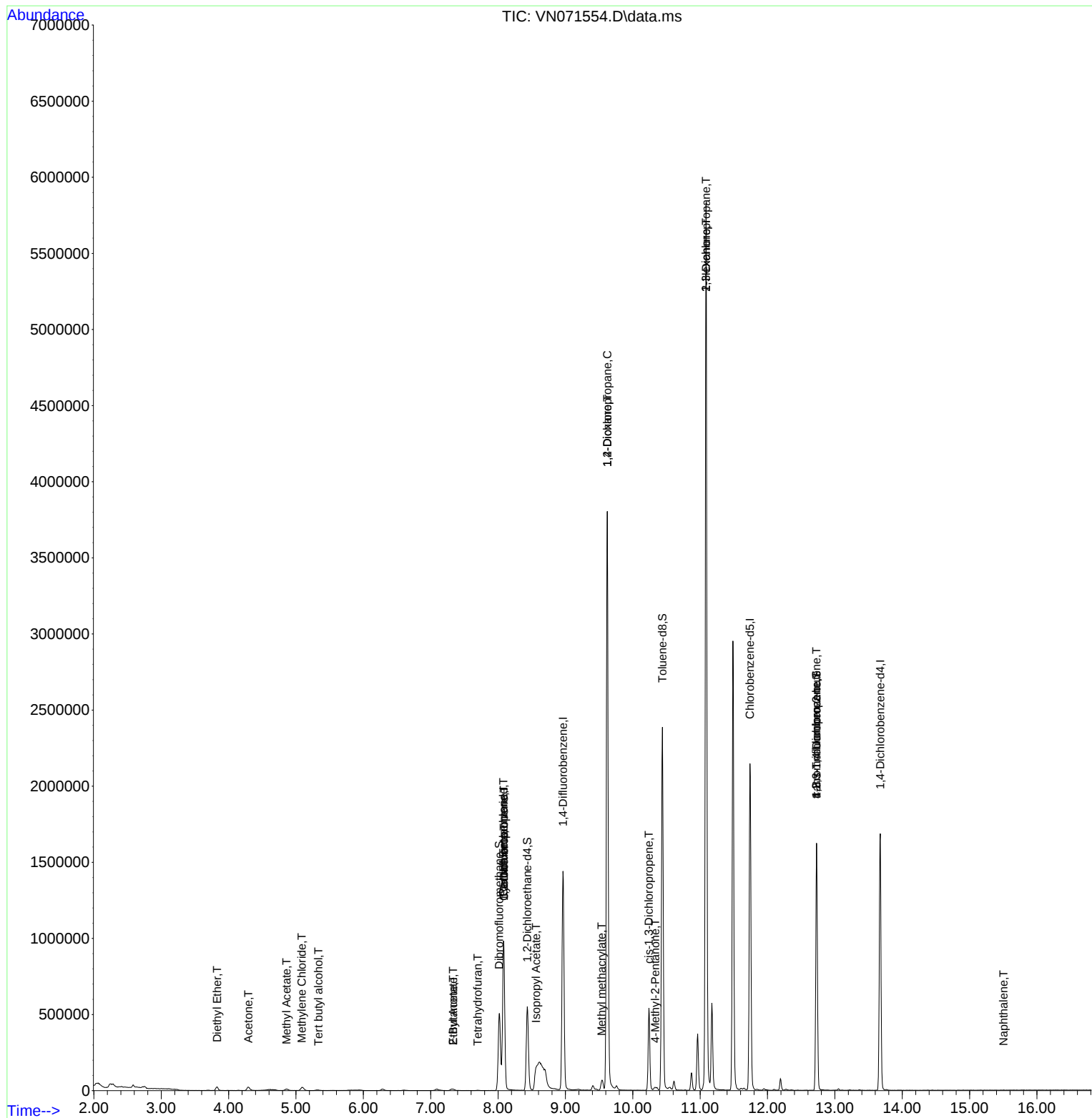
Internal Standards						
1) Pentafluorobenzene	8.081	168	785026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1328181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1330676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	494054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	459461	47.109	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.220%		
35) Dibromofluoromethane	8.016	113	378651	45.363	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.720%		
50) Toluene-d8	10.439	98	1681520	49.943	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.880%		
62) 4-Bromofluorobenzene	12.727	95	560271	50.786	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.580%		
Target Compounds						
3) Chloromethane	2.304	50	2497	Below Cal		95
8) Diethyl Ether	3.828	74	13518	2.543	ug/l	88
11) Tert butyl alcohol	5.334	59	2538	1.396	ug/l #	72
16) Acetone	4.293	43	41824	10.462	ug/l #	88
18) Methyl Acetate	4.857	43	21369	0.816	ug/l	97
20) Methylene Chloride	5.087	84	18525	1.989	ug/l	89
25) 2-Butanone	7.334	43	11960	1.865	ug/l #	88
29) Tetrahydrofuran	7.698	42	1648	0.386	ug/l #	82
31) Cyclohexane	8.086	56	16546	1.186	ug/l #	7
36) 1,1-Dichloropropene	8.086	75	55686	4.627	ug/l #	49
37) Ethyl Acetate	7.334	43	11960	0.912	ug/l #	67
38) Carbon Tetrachloride	8.081	117	72762	6.202	ug/l #	17
43) Isopropyl Acetate	8.563	43	127606	5.724	ug/l #	75
45) 1,2-Dichloropropane	9.622	63	5193	0.560	ug/l #	44
48) Methyl methacrylate	9.539	41	18365	1.939	ug/l #	10
49) 1,4-Dioxane	9.622	88	734	3.359	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	11520	0.877	ug/l	93
54) cis-1,3-Dichloropropene	10.239	75	104346	7.108	ug/l #	64
57) 1,3-Dichloropropane	11.086	76	65821	4.115	ug/l #	43
59) 2-Hexanone	11.086	43	835779	88.275	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.898	83	64	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	277660	25.203	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	277660	67.477	ug/l #	10
95) Naphthalene	15.504	128	1160	3.258	ug/l #	69

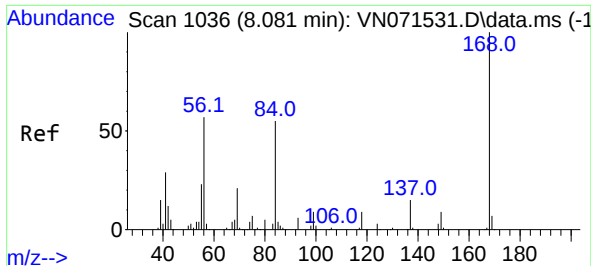
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WC-14A-4-(2.5-3.0)

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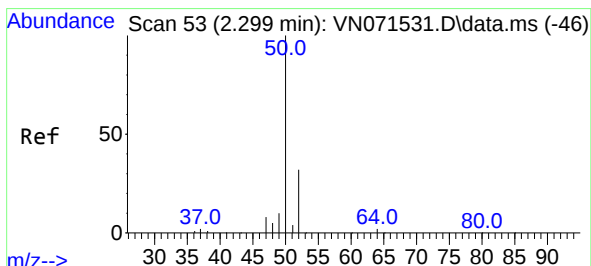
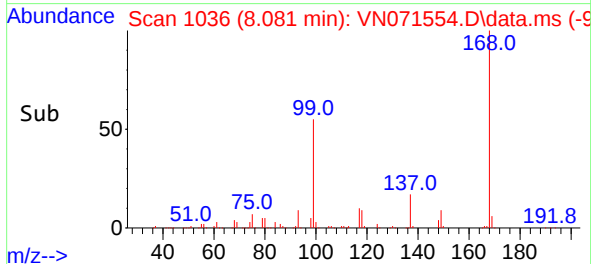
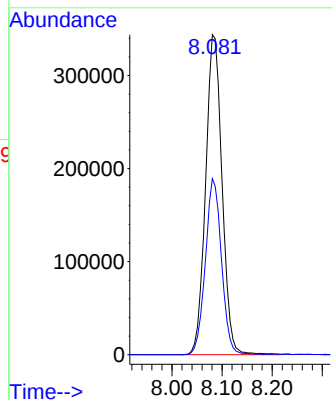
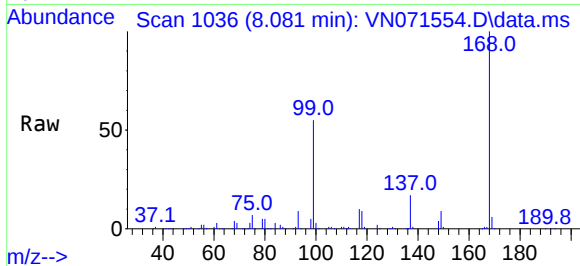




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

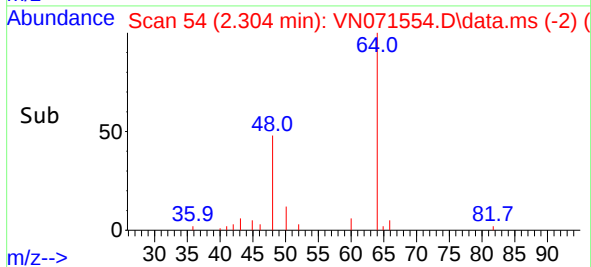
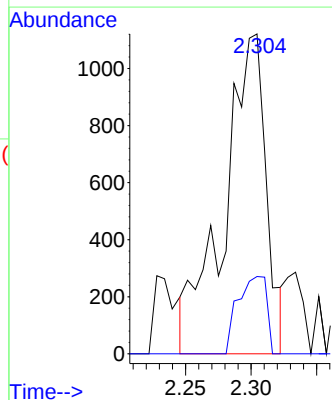
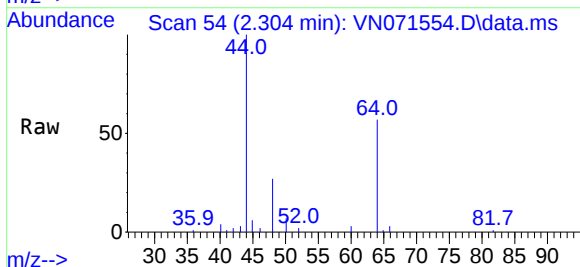
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-4-(2.5-3.0)

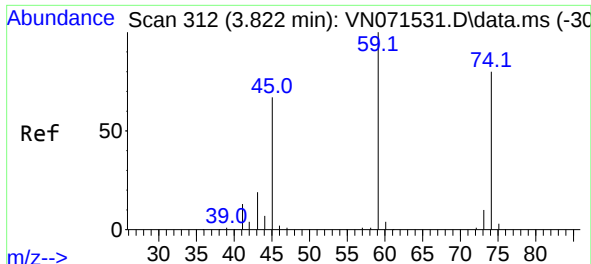
Tgt Ion:168 Resp: 785026
Ion Ratio Lower Upper
168 100
99 55.0 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Tgt Ion: 50 Resp: 2497
Ion Ratio Lower Upper
50 100
52 29.4 25.7 38.5





#8

Diethyl Ether

Concen: 2.543 ug/l

RT: 3.828 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN071554.D

Acq: 25 Mar 2022 17:55

Instrument :

MSVOA_N

ClientSampleId :

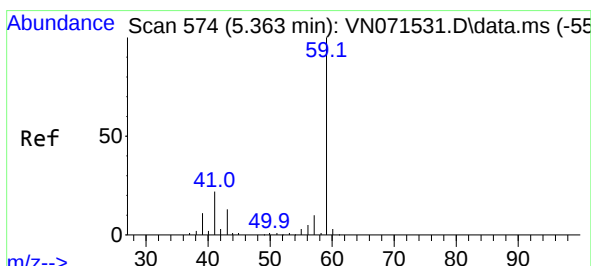
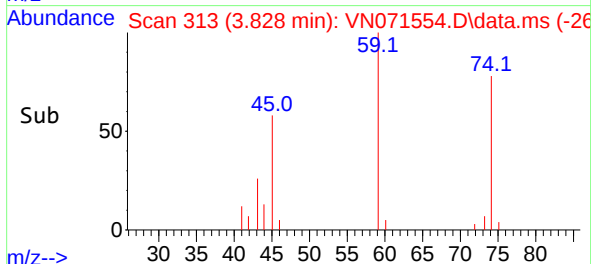
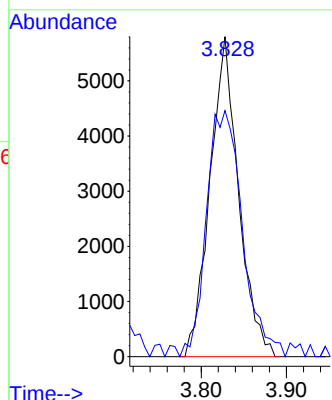
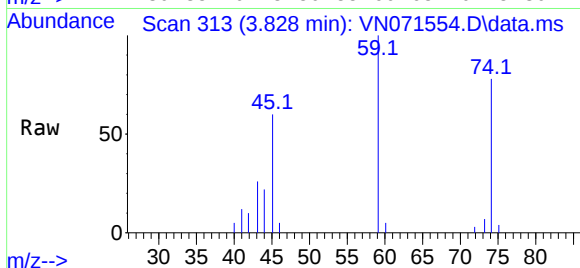
WC-14A-4(2.5-3.0)

Tgt Ion: 74 Resp: 13518

Ion Ratio Lower Upper

74 100

45 96.8 42.9 128.5



#11

Tert butyl alcohol

Concen: 1.396 ug/l

RT: 5.334 min Scan# 569

Delta R.T. -0.029 min

Lab File: VN071554.D

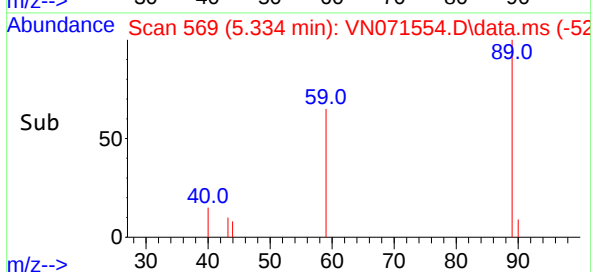
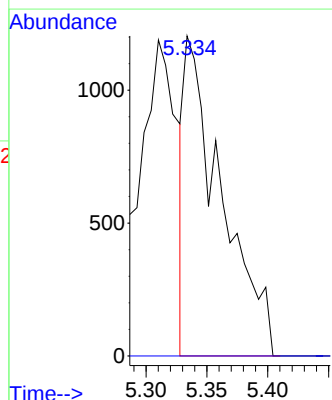
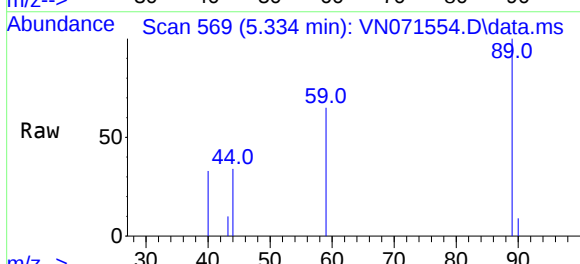
Acq: 25 Mar 2022 17:55

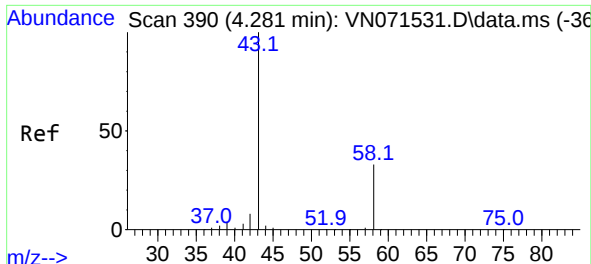
Tgt Ion: 59 Resp: 2538

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

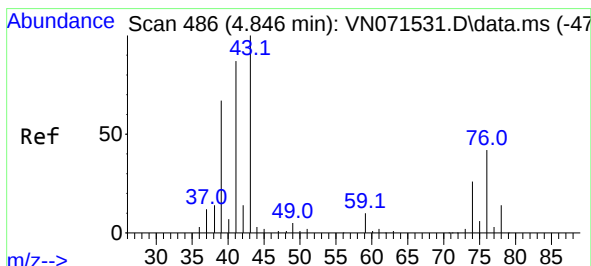
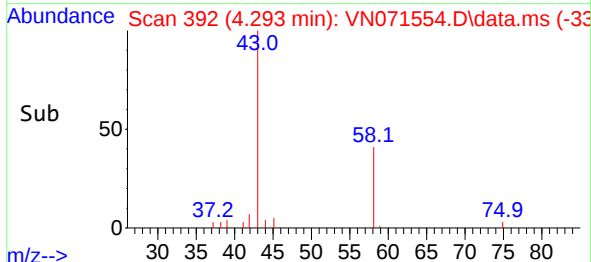
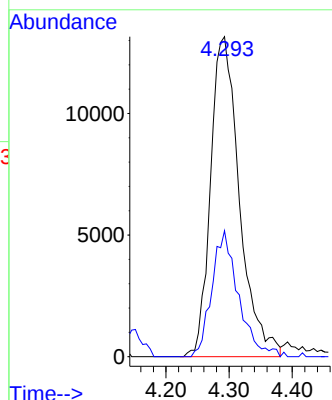
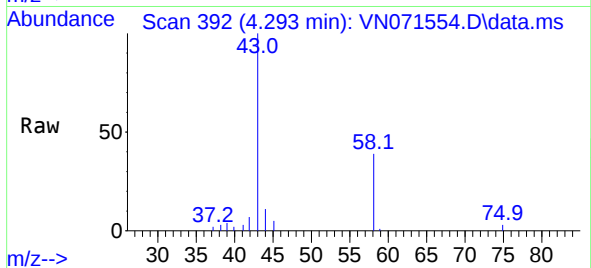




#16
Acetone
Concen: 10.462 ug/l
RT: 4.293 min Scan# 390
Delta R.T. 0.012 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

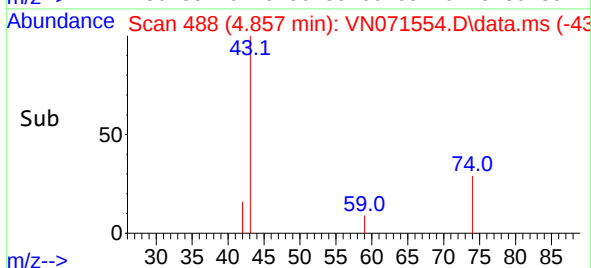
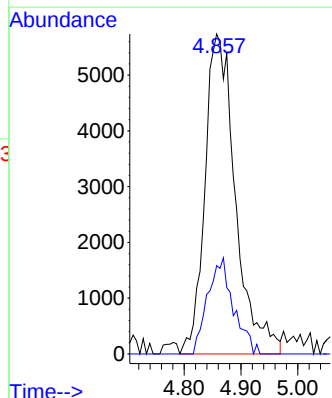
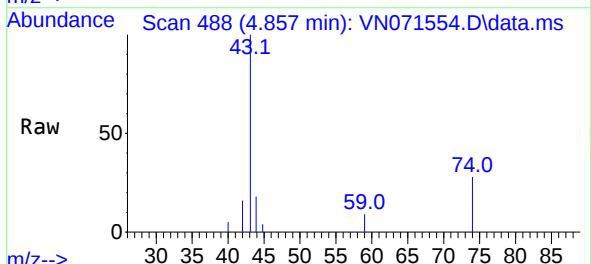
Instrument :
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WC-14A-4-(2.5-3.0)

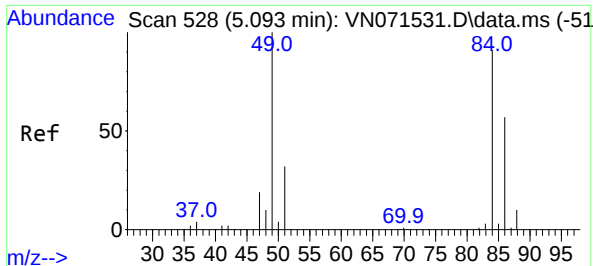
Tgt Ion: 43 Resp: 41824
Ion Ratio Lower Upper
43 100
58 39.3 26.0 39.0#



#18
Methyl Acetate
Concen: 0.816 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

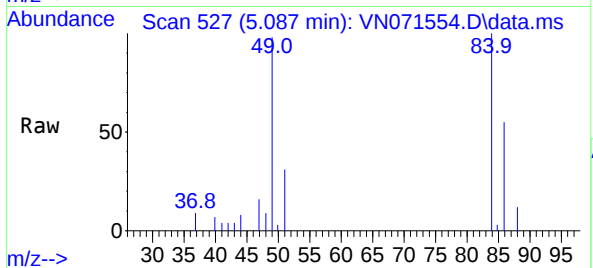
Tgt Ion: 43 Resp: 21369
Ion Ratio Lower Upper
43 100
74 25.3 21.6 32.4



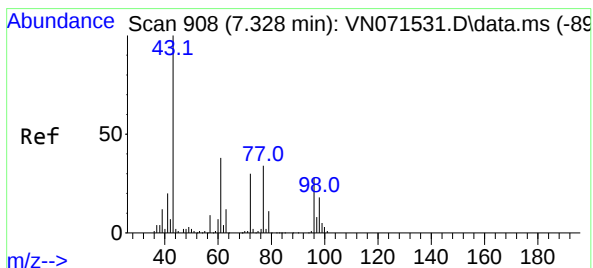
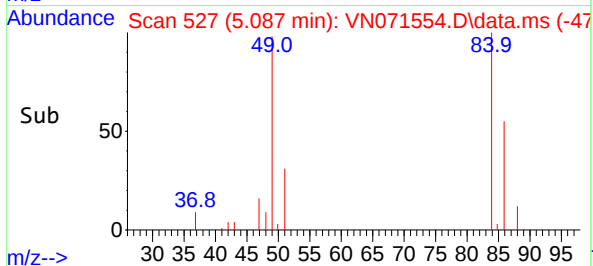
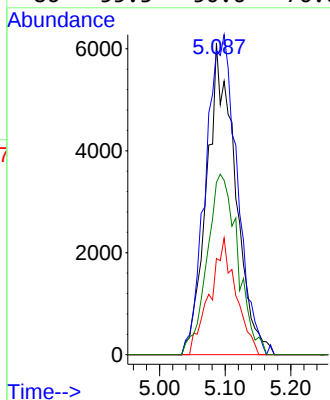


#20
Methylene Chloride
Concen: 1.989 ug/l
RT: 5.087 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-4-(2.5-3.0)

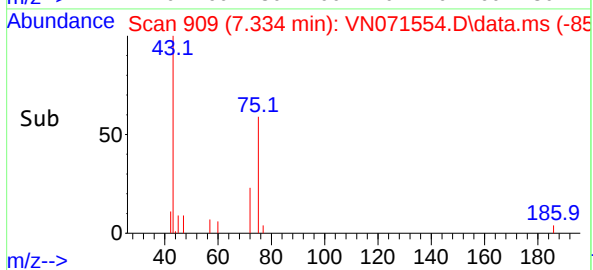
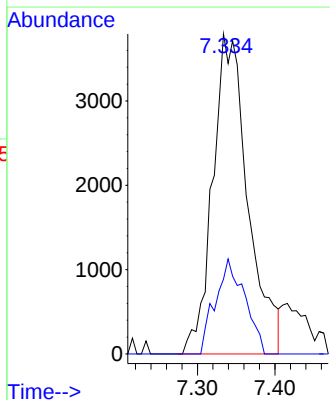
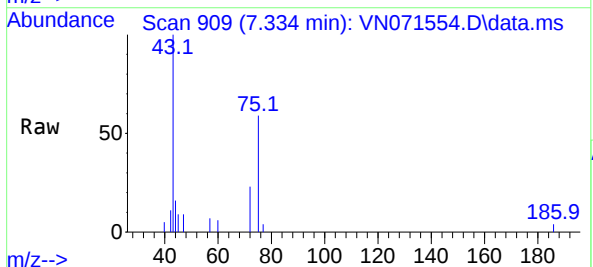


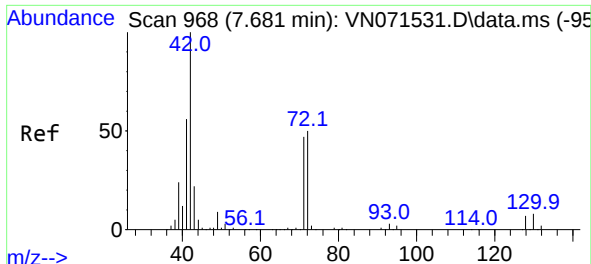
Tgt Ion:	84	Resp:	18525
Ion	Ratio	Lower	Upper
84	100		
49	97.6	88.3	132.5
51	30.9	28.2	42.2
86	55.3	50.6	76.0



#25
2-Butanone
Concen: 1.865 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Tgt Ion:	43	Resp:	11960
Ion	Ratio	Lower	Upper
43	100		
72	23.4	23.7	35.5#

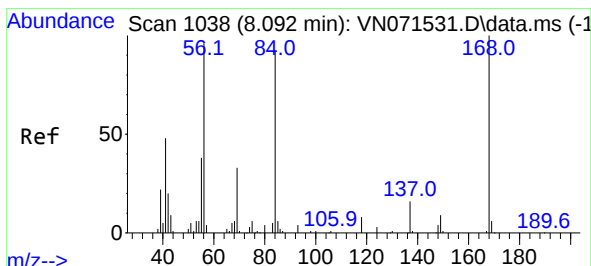
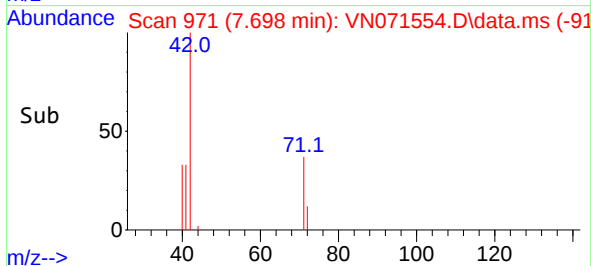
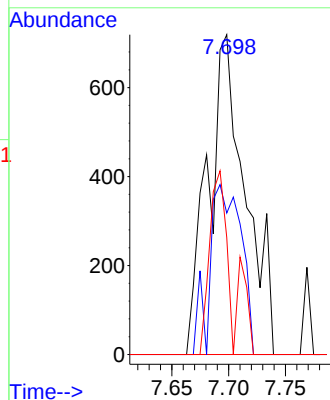
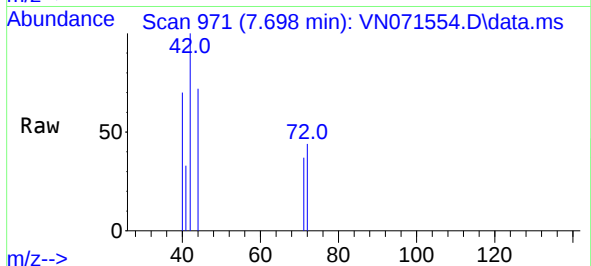




#29
Tetrahydrofuran
Concen: 0.386 ug/l
RT: 7.698 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

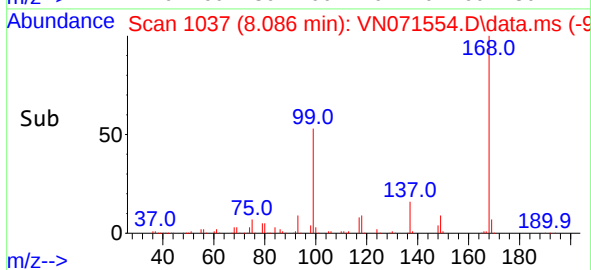
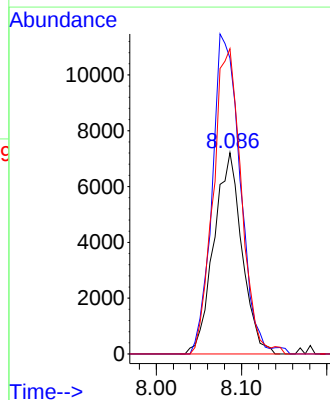
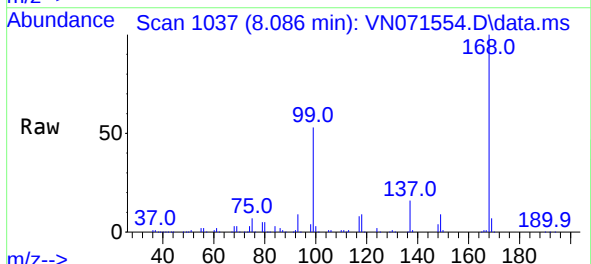
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-4-(2.5-3.0)

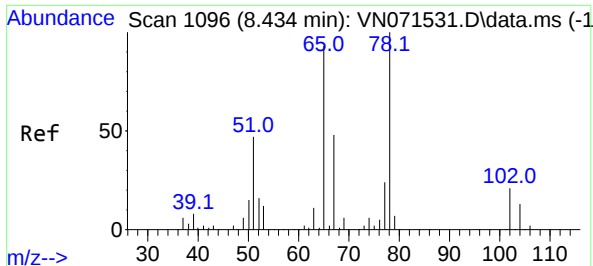
Tgt Ion: 42 Resp: 1648
Ion Ratio Lower Upper
42 100
72 44.8 39.7 59.5
71 25.6 36.6 55.0#



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Tgt Ion: 56 Resp: 16546
Ion Ratio Lower Upper
56 100
69 147.0 27.8 41.8#
84 151.7 76.9 115.3#

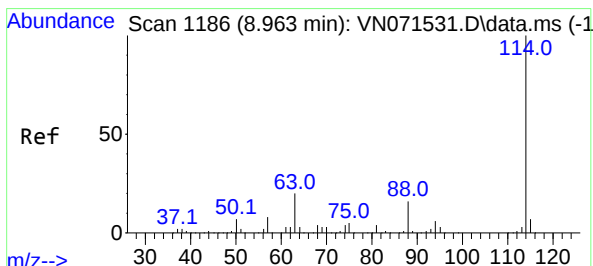
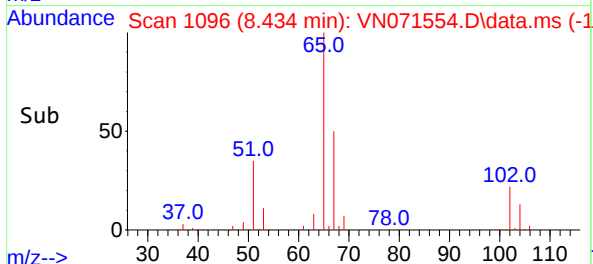
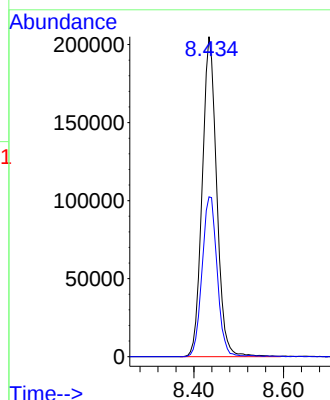
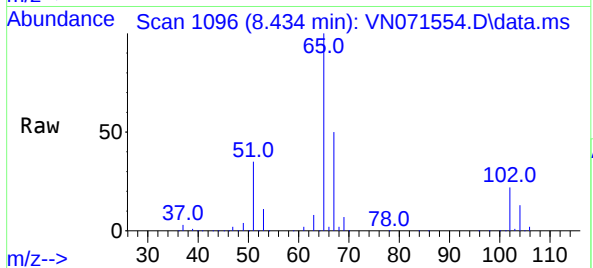




#33
1,2-Dichloroethane-d4
Concen: 47.109 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

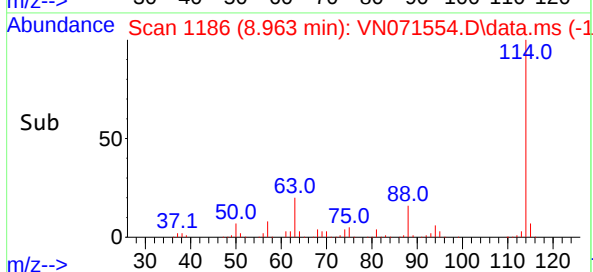
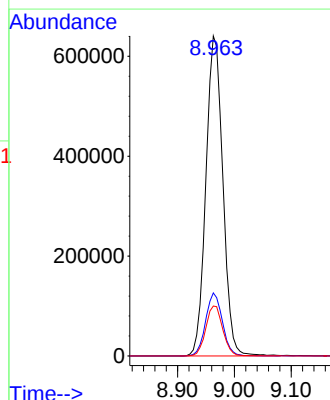
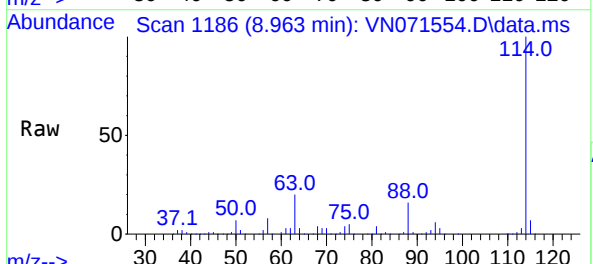
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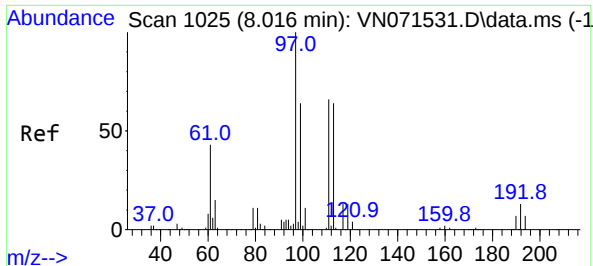
Tgt Ion: 65 Resp: 459461
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Tgt Ion: 114 Resp: 1328181
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.0
88 15.6 0.0 32.6

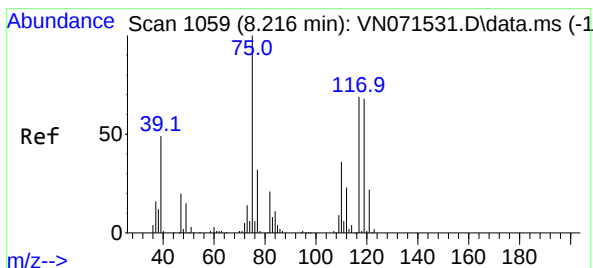
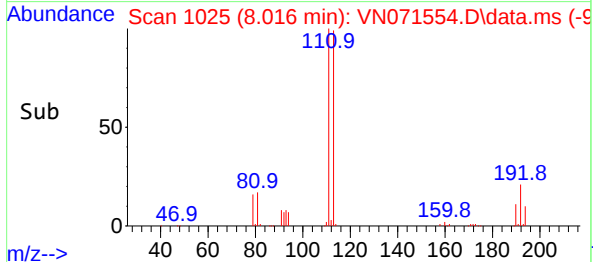
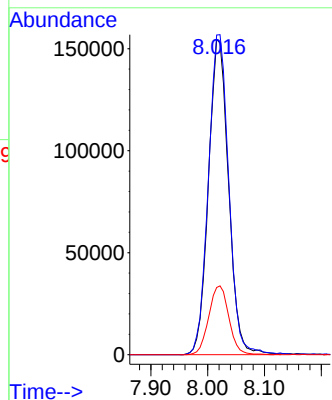
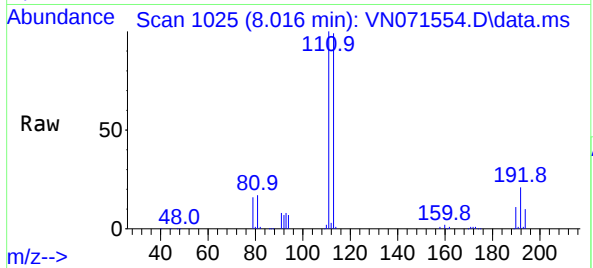




#35
Dibromofluoromethane
Concen: 45.363 ug/l
RT: 8.016 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

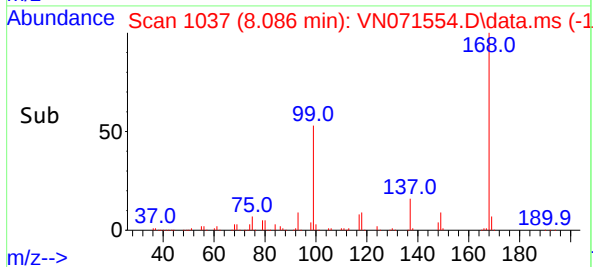
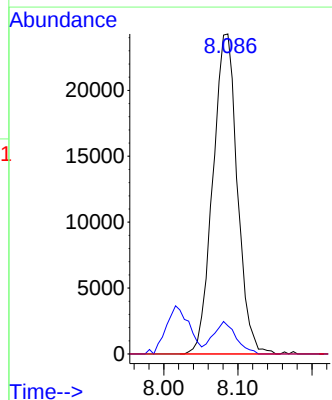
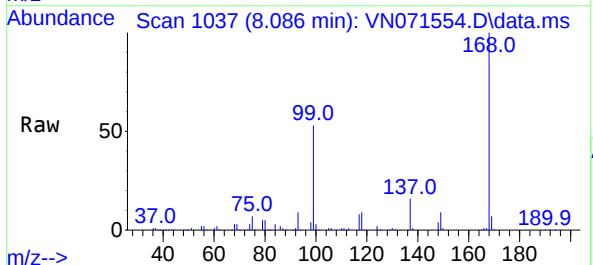
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-4-(2.5-3.0)

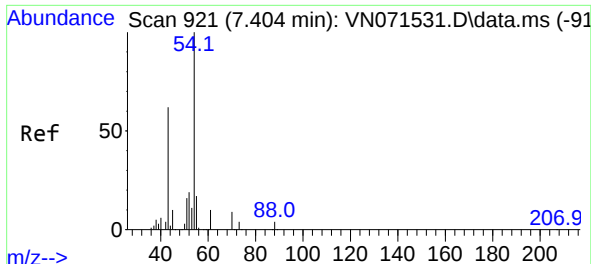
Tgt Ion:113 Resp: 378651
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.0
192 21.8 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.627 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Tgt Ion: 75 Resp: 55686
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 25.1 37.7#

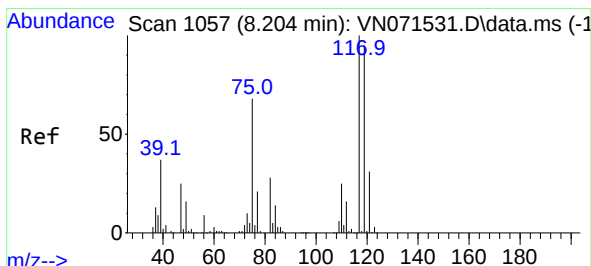
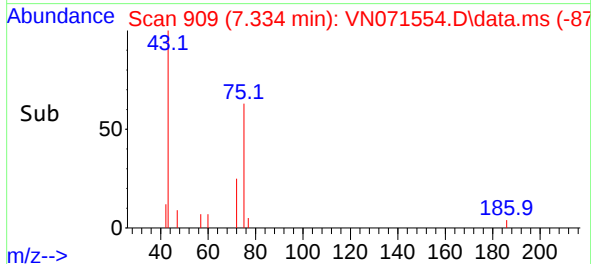
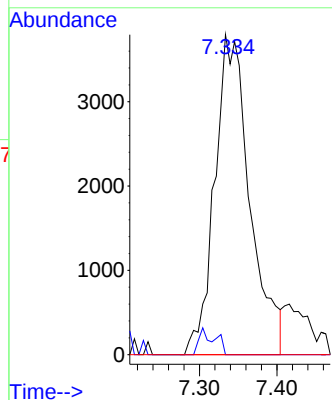
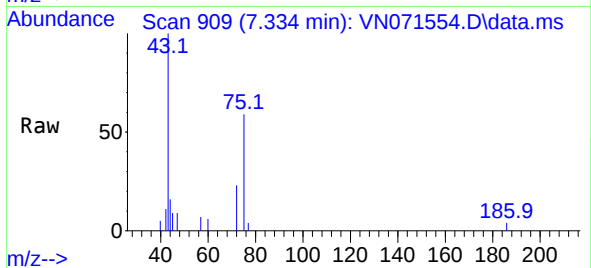




#37
Ethyl Acetate
Concen: 0.912 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.071 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

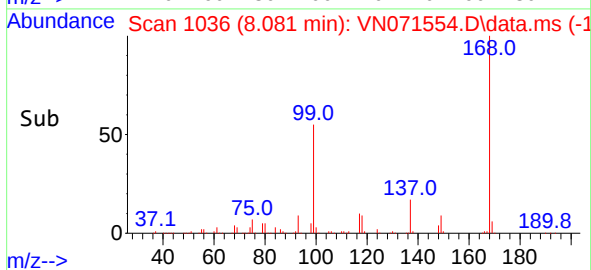
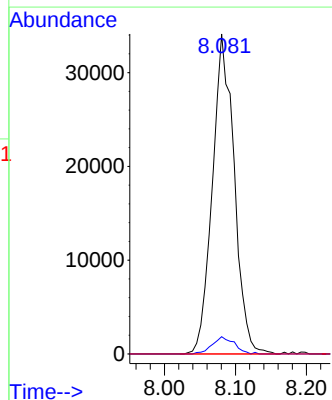
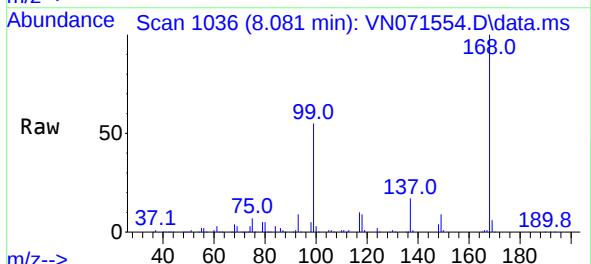
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-4-(2.5-3.0)

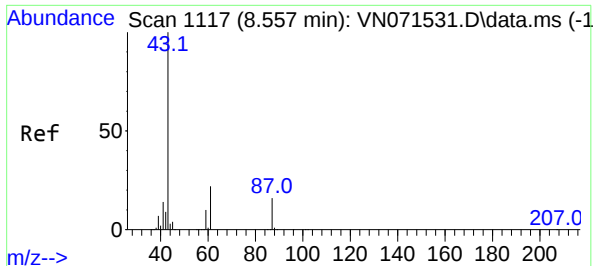
Tgt Ion: 43 Resp: 11960
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.202 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Tgt Ion: 117 Resp: 72762
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.8#
121 0.0 24.6 37.0#

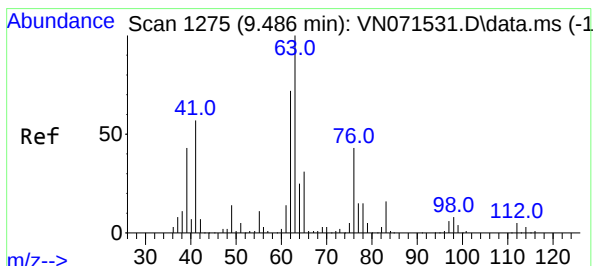
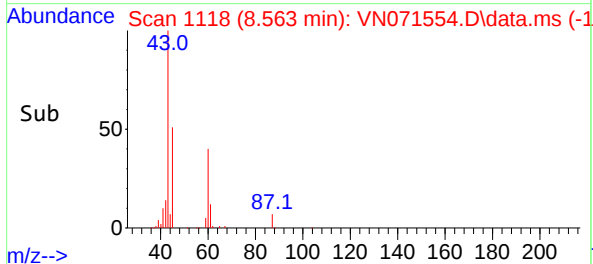
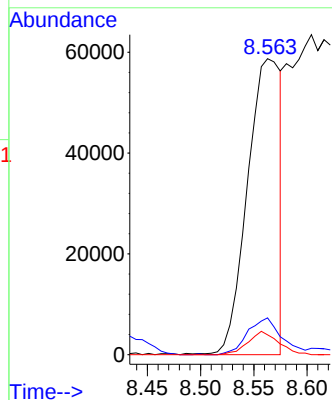
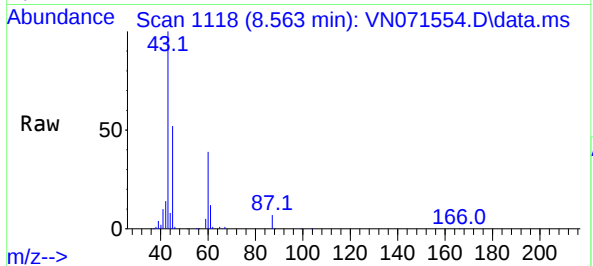




#43
Isopropyl Acetate
Concen: 5.724 ug/l
RT: 8.563 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

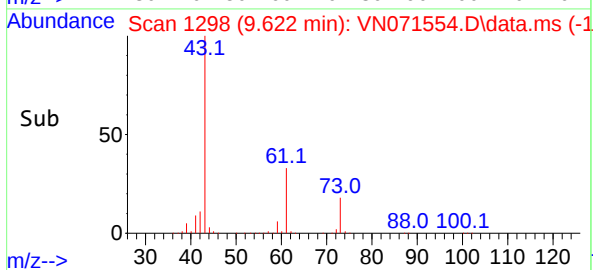
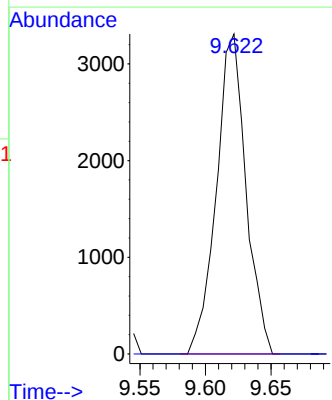
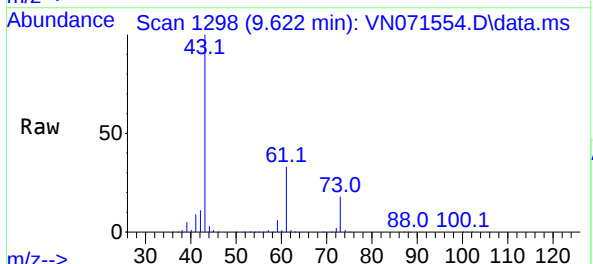
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-4-(2.5-3.0)

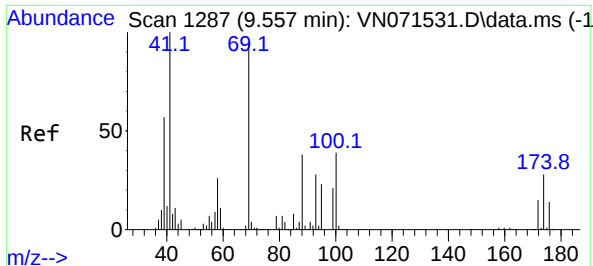
Tgt Ion: 43 Resp: 127606
Ion Ratio Lower Upper
43 100
61 12.7 21.9 32.9#
87 7.2 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.560 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.135 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Tgt Ion: 63 Resp: 5193
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 1.939 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.018 min

Lab File: VN071554.D

Acq: 25 Mar 2022 17:55

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-4-(2.5-3.0)

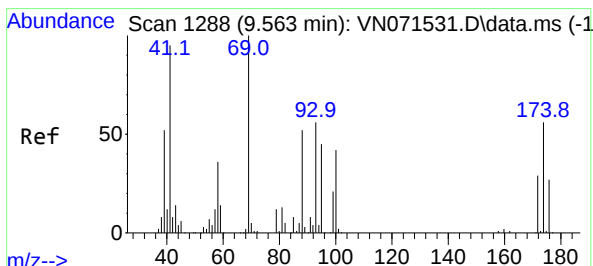
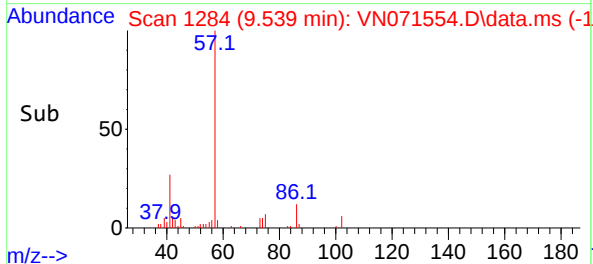
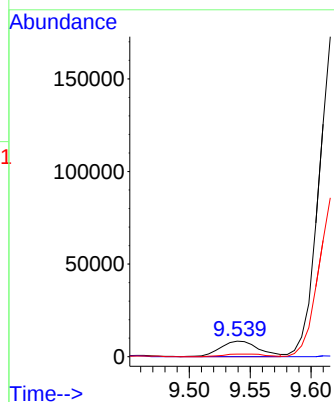
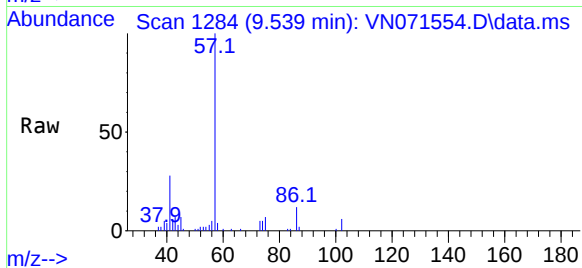
Tgt Ion: 41 Resp: 18365

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#



#49

1,4-Dioxane

Concen: 3.359 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN071554.D

Acq: 25 Mar 2022 17:55

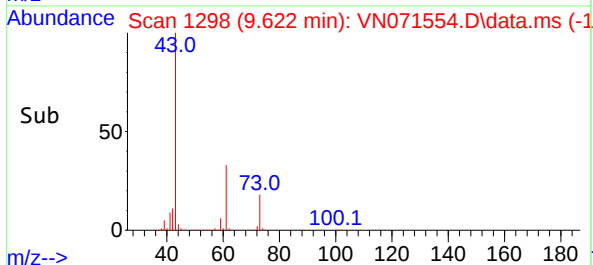
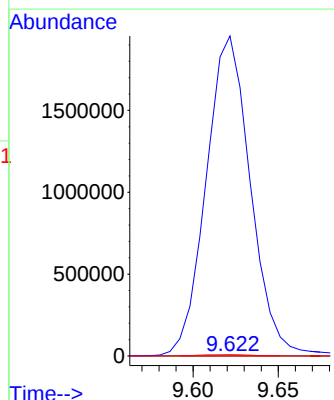
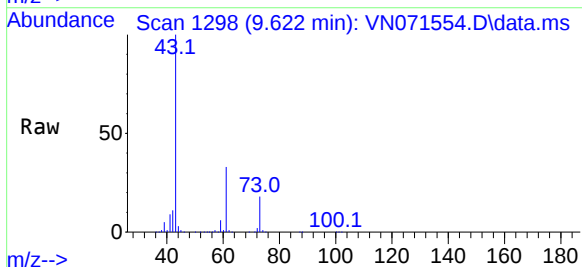
Tgt Ion: 88 Resp: 734

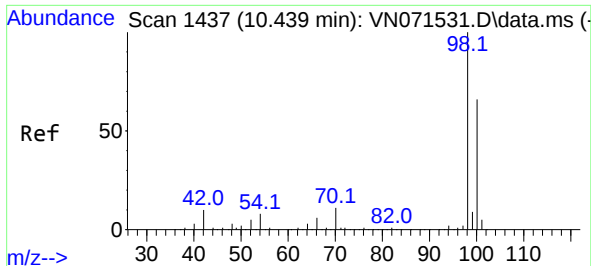
Ion Ratio Lower Upper

88 100

43 487767.7 20.2 30.4#

58 2268.4 54.2 81.4#

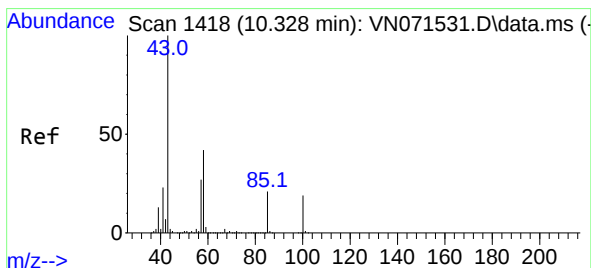
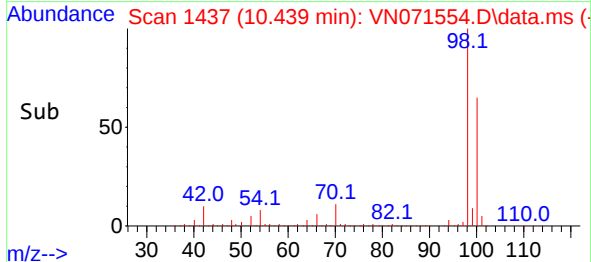
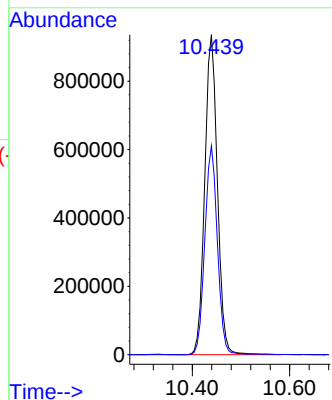
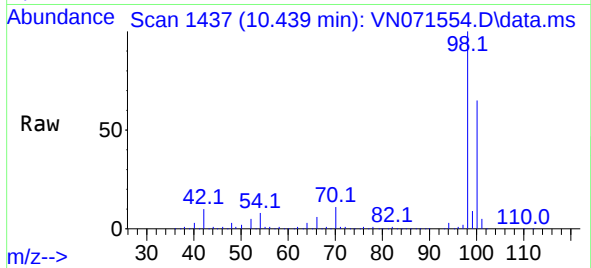




#50
Toluene-d8
Concen: 49.943 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

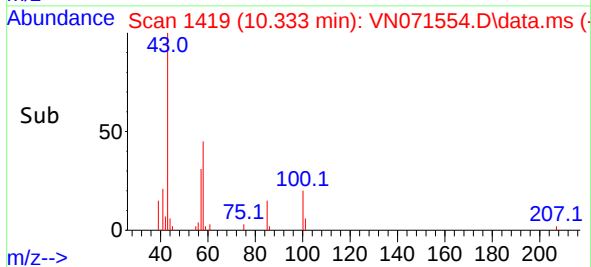
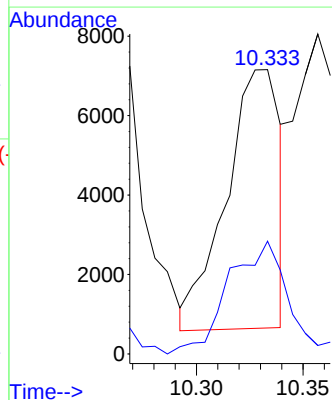
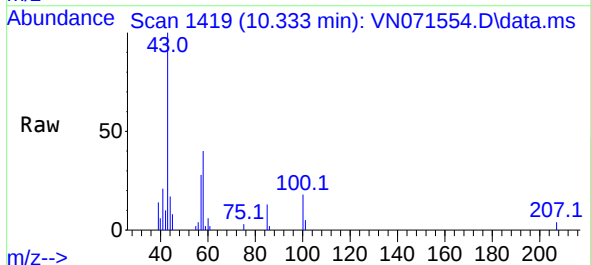
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-4-(2.5-3.0)

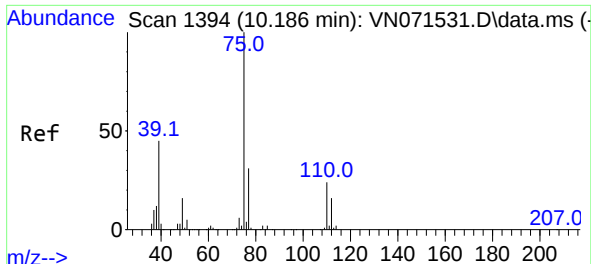
Tgt Ion: 98 Resp: 1681520
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.877 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.006 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Tgt Ion: 43 Resp: 11520
Ion Ratio Lower Upper
43 100
58 47.2 34.1 51.1

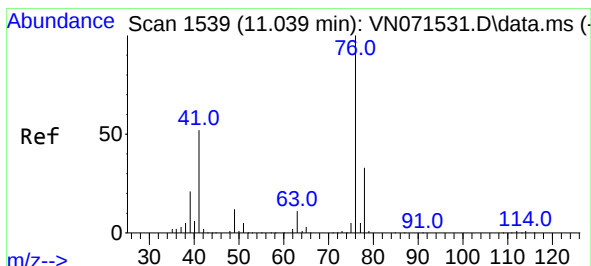
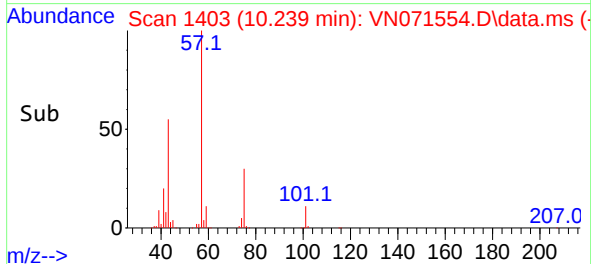
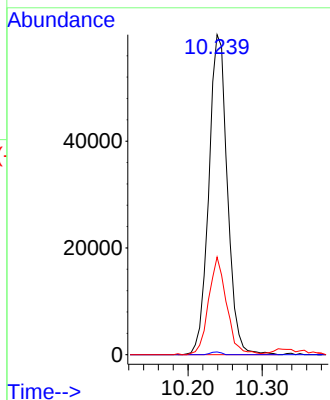
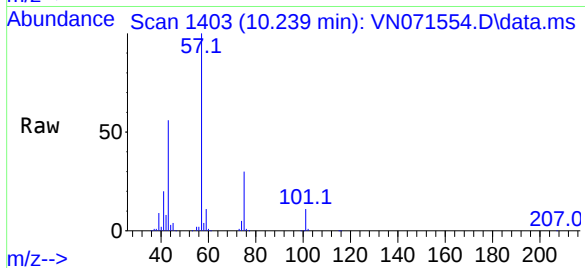




#54
cis-1,3-Dichloropropene
Concen: 7.108 ug/l
RT: 10.239 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

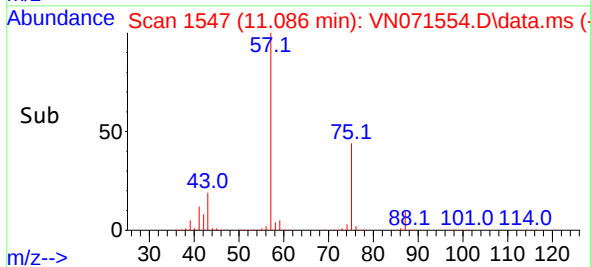
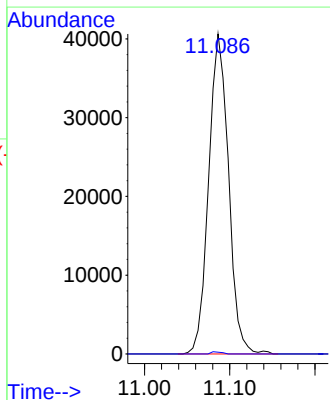
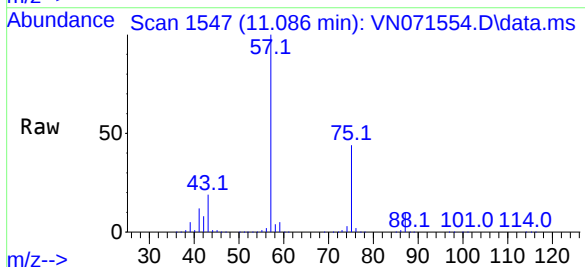
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-4-(2.5-3.0)

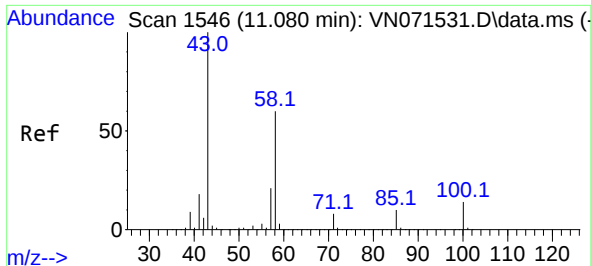
Tgt Ion: 75 Resp: 104346
Ion Ratio Lower Upper
75 100
77 0.8 25.2 37.8#
39 30.2 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 4.115 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Tgt Ion: 76 Resp: 65821
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

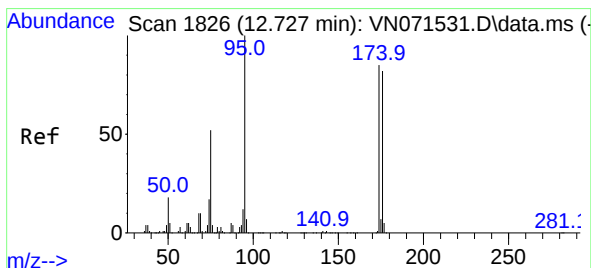
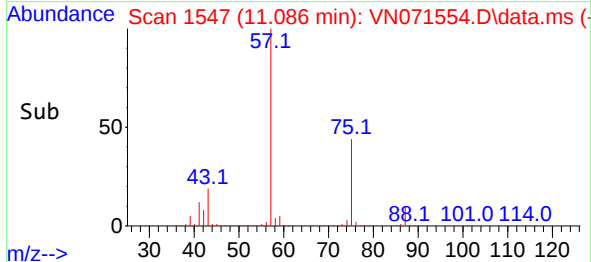
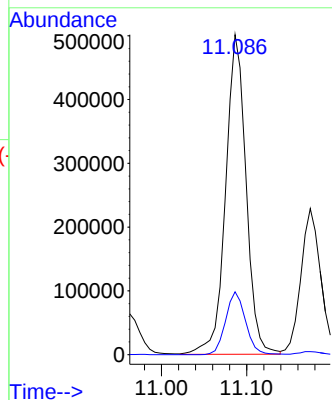
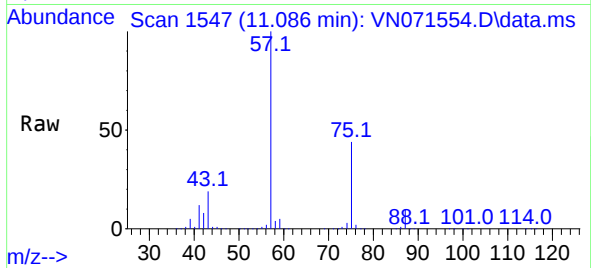




#59
2-Hexanone
Concen: 88.275 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

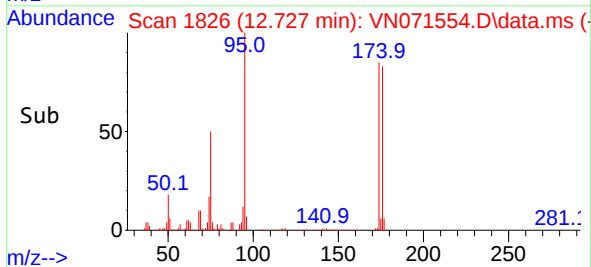
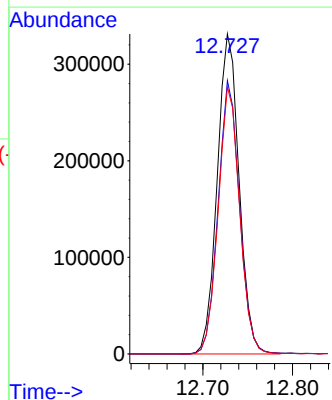
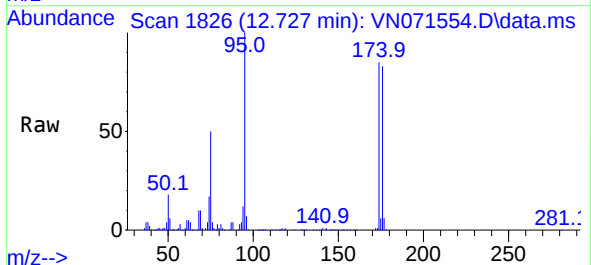
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-4-(2.5-3.0)

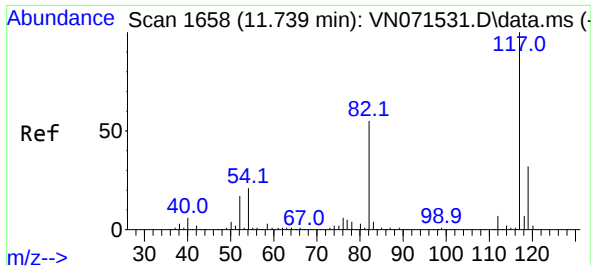
Tgt Ion: 43 Resp: 835779
Ion Ratio Lower Upper
43 100
58 19.2 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 50.786 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Tgt Ion: 95 Resp: 560271
Ion Ratio Lower Upper
95 100
174 83.6 0.0 167.6
176 81.8 0.0 163.4

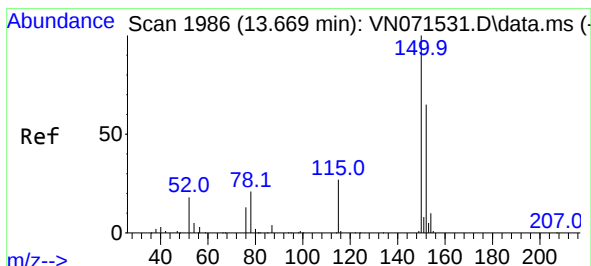
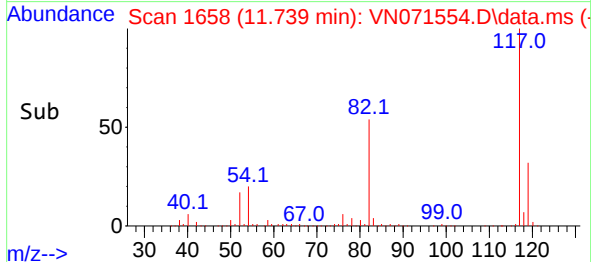
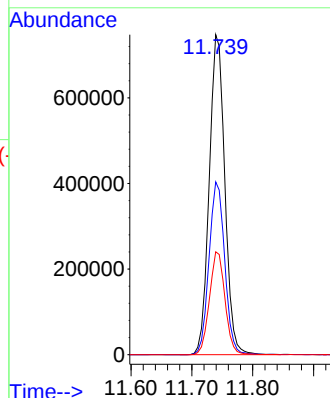
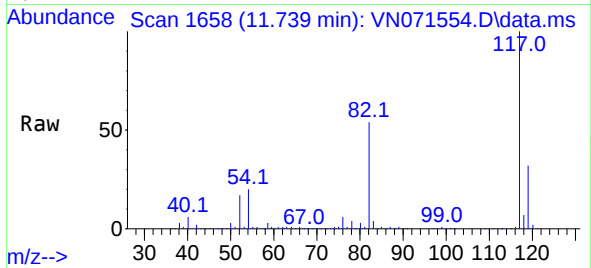




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

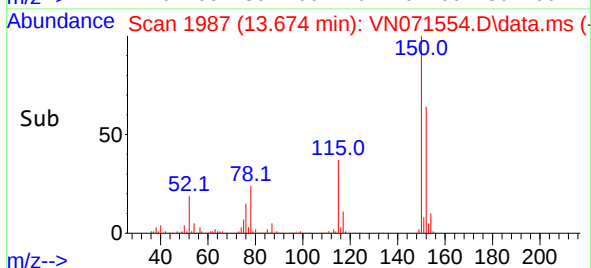
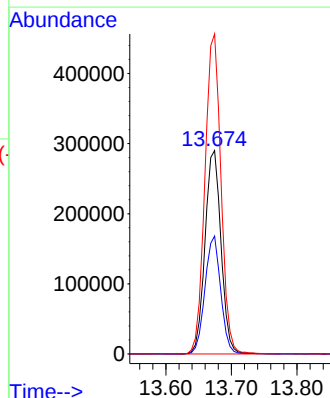
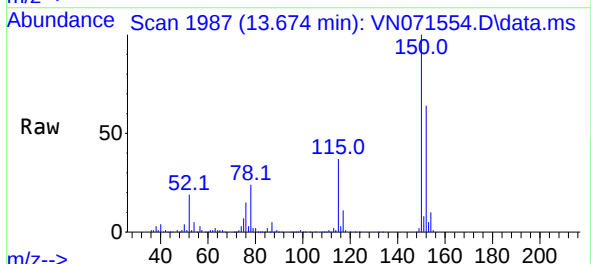
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-4-(2.5-3.0)

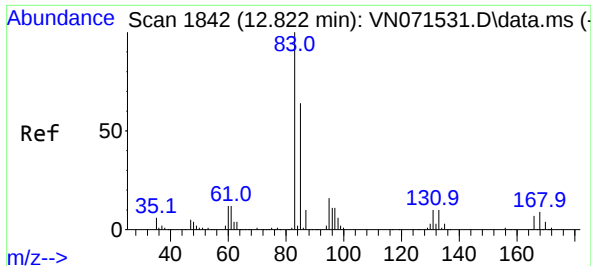
Tgt Ion:117 Resp: 1330676
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Tgt Ion:152 Resp: 494054
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 157.5 0.0 356.2

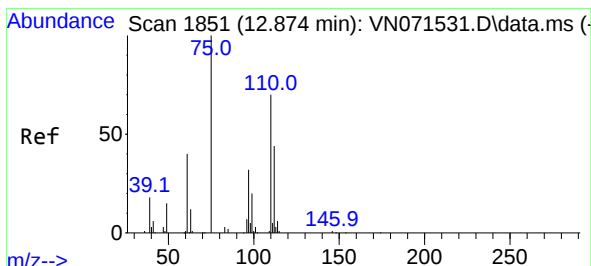
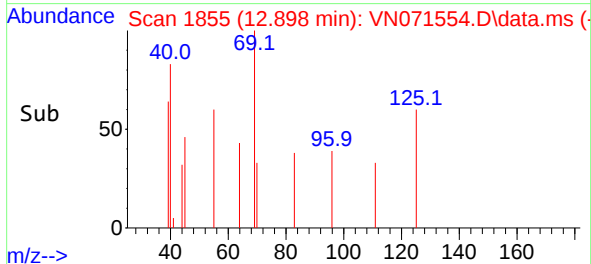
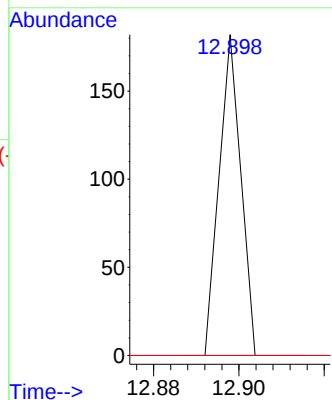
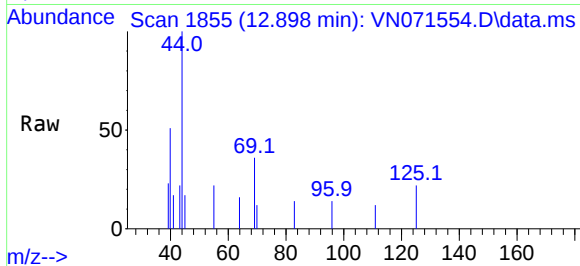




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.898 min Scan# 1855
Delta R.T. 0.076 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

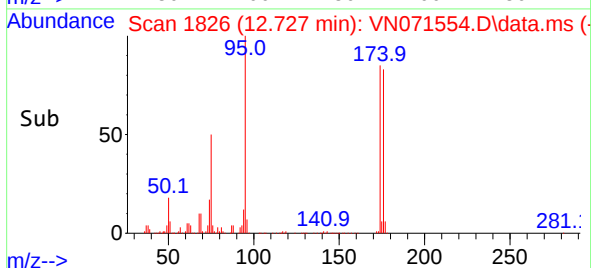
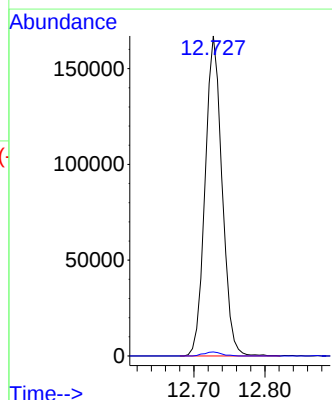
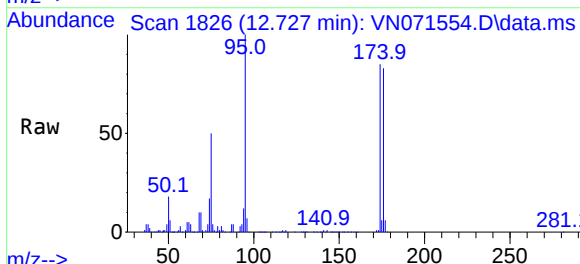
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-4-(2.5-3.0)

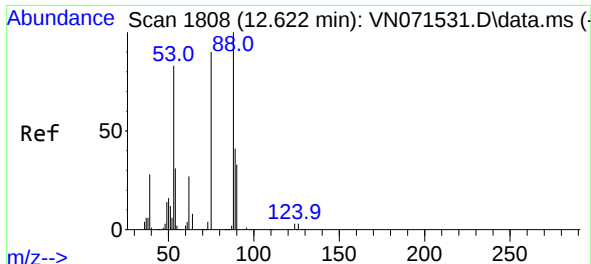
Tgt Ion: 83 Resp: 64
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 25.203 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Tgt Ion: 75 Resp: 277660
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

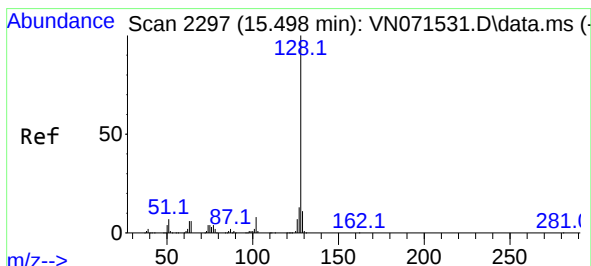
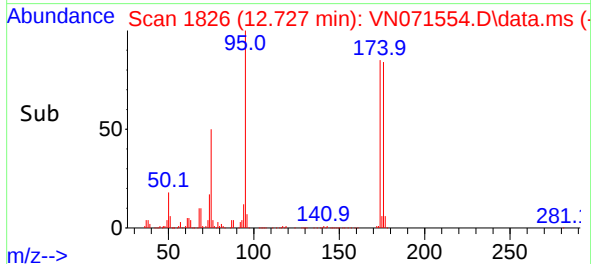
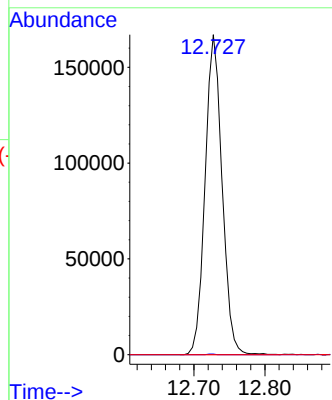
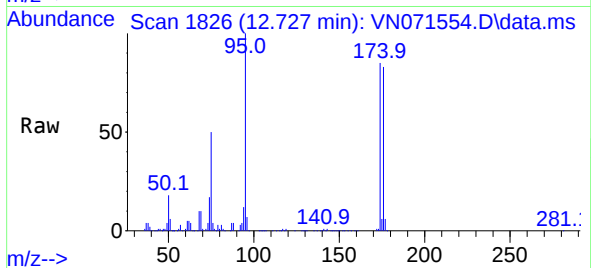




#81
trans-1,4-Dichloro-2-butene
Concen: 67.477 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-4-(2.5-3.0)

Tgt Ion: 75 Resp: 277660
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.258 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071554.D
Acq: 25 Mar 2022 17:55

Tgt Ion: 128 Resp: 1160
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

