

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062122\
 Data File : VN073014.D
 Acq On : 22 Jun 2022 09:20
 Operator : JC\MD
 Sample : N3301-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-SO-20220609

Quant Time: Jun 22 09:55:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

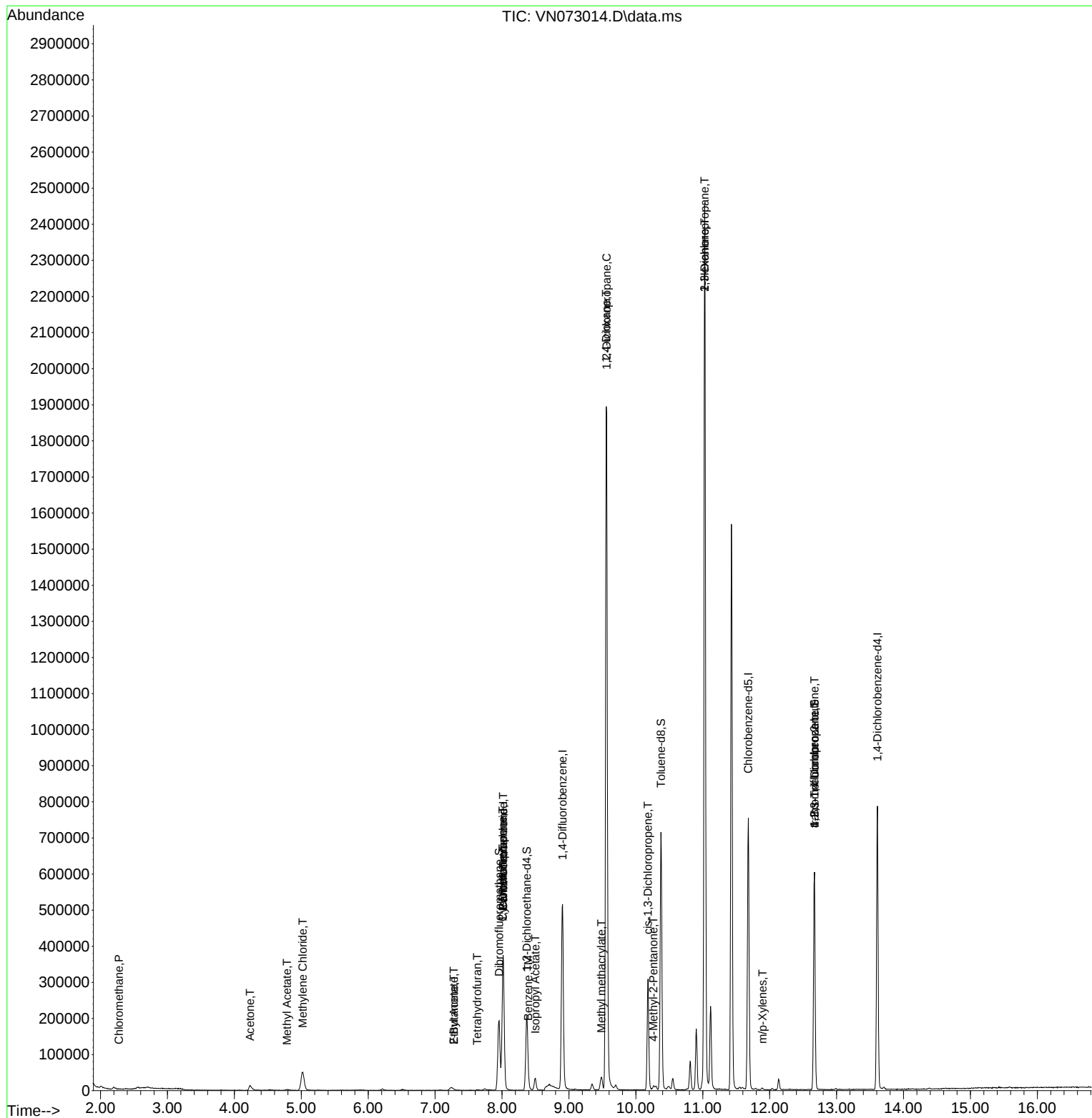
Internal Standards						
1) Pentafluorobenzene	8.016	168	282018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	455784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	421250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	204524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	170079	44.607	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.220%		
35) Dibromofluoromethane	7.957	113	146377	51.959	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.920%		
50) Toluene-d8	10.375	98	485728	46.336	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.680%		
62) 4-Bromofluorobenzene	12.669	95	205267	54.456	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.920%		
Target Compounds						Qvalue
3) Chloromethane	2.275	50	492	0.738	ug/l #	43
16) Acetone	4.234	43	25744	12.283	ug/l	97
18) Methyl Acetate	4.787	43	4696	0.841	ug/l #	60
20) Methylene Chloride	5.022	84	40685	12.333	ug/l #	86
25) 2-Butanone	7.281	43	6303	1.895	ug/l #	83
26) 2,2-Dichloropropane	7.234	77	267	Below Cal	#	53
29) Tetrahydrofuran	7.628	42	864	0.393	ug/l #	55
31) Cyclohexane	8.010	56	6360	1.233	ug/l #	22
36) 1,1-Dichloropropene	8.010	75	23003	6.034	ug/l #	49
37) Ethyl Acetate	7.281	43	6303	1.034	ug/l #	67
38) Carbon Tetrachloride	8.016	117	27906	6.960	ug/l #	16
40) Benzene	8.392	78	4052	0.338	ug/l #	86
43) Isopropyl Acetate	8.498	43	37757	4.332	ug/l #	88
45) 1,2-Dichloropropane	9.563	63	2383	0.778	ug/l #	44
48) Methyl methacrylate	9.486	41	11249	2.827	ug/l #	10
49) 1,4-Dioxane	9.557	88	82	0.916	ug/l #	1
51) 4-Methyl-2-Pentanone	10.263	43	7615	1.340	ug/l	92
54) cis-1,3-Dichloropropene	10.181	75	53614	11.091	ug/l #	67
57) 1,3-Dichloropropane	11.028	76	25112	4.687	ug/l #	43
59) 2-Hexanone	11.028	43	391059	88.960	ug/l #	44
68) m/p-Xylenes	11.892	106	1177	0.207	ug/l #	65
76) 1,2,3-Trichloropropane	12.669	75	110239	22.232	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	110239	60.039	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.586	75	55	Below Cal	#	1

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

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Quant Title : SW846 8260
QLast Update : Sat Jun 18 06:22:45 2022
Response via : Initial Calibration

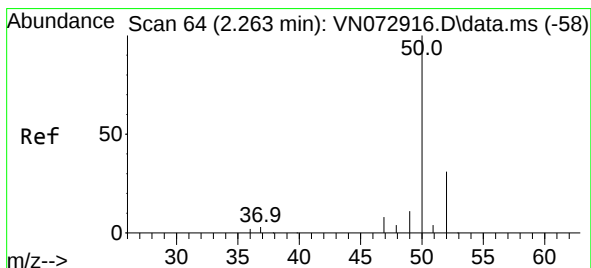
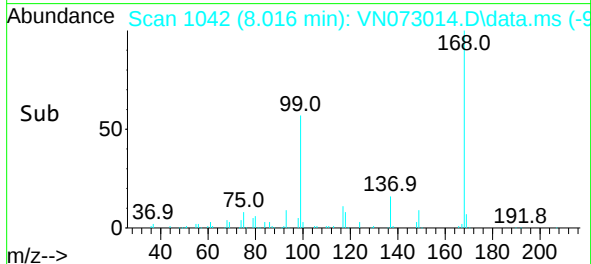
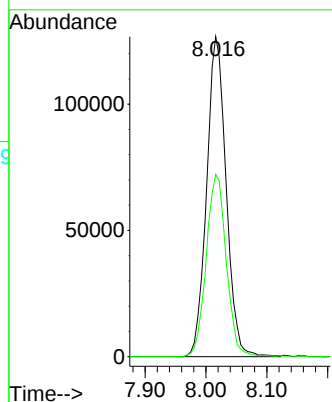
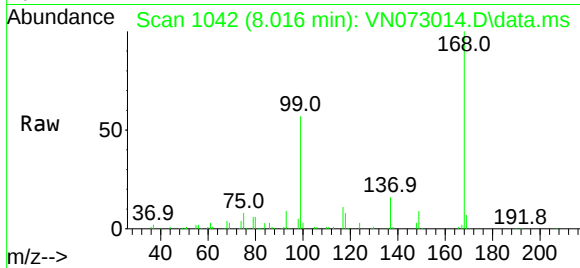




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

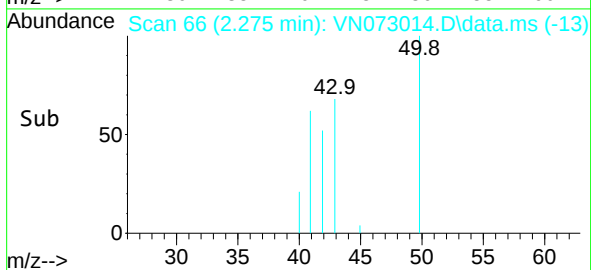
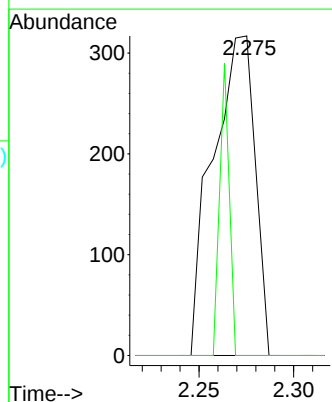
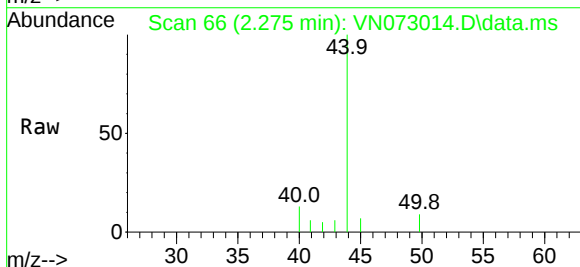
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

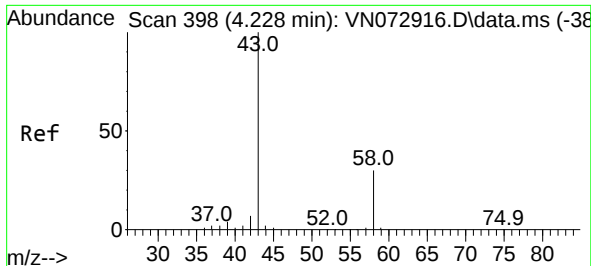
Tgt Ion:168 Resp: 282018
Ion Ratio Lower Upper
168 100
99 57.0 42.3 63.5



#3
Chloromethane
Concen: 0.738 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.012 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

Tgt Ion: 50 Resp: 492
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#16

Acetone

Concen: 12.283 ug/l

RT: 4.234 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN073014.D

Acq: 22 Jun 2022 09:20

Instrument :

MSVOA_N

ClientSampleId :

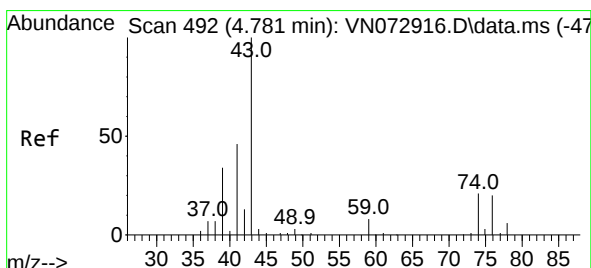
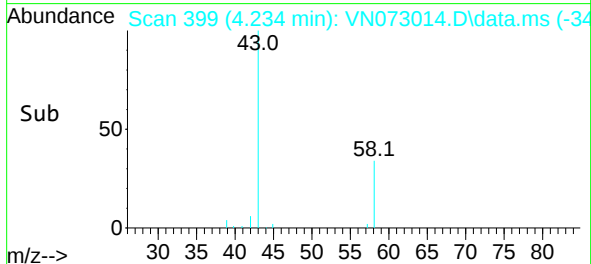
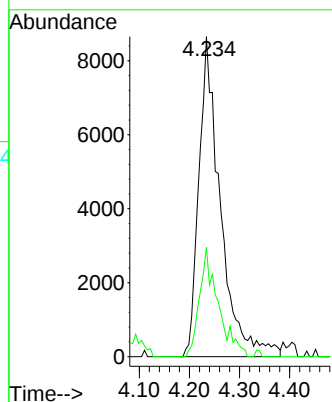
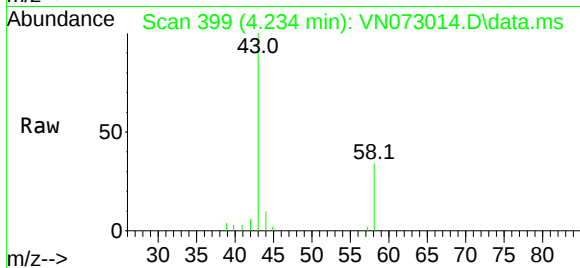
WC-SO-20220609

Tgt Ion: 43 Resp: 25744

Ion Ratio Lower Upper

43 100

58 34.2 26.0 39.0



#18

Methyl Acetate

Concen: 0.841 ug/l

RT: 4.787 min Scan# 493

Delta R.T. 0.006 min

Lab File: VN073014.D

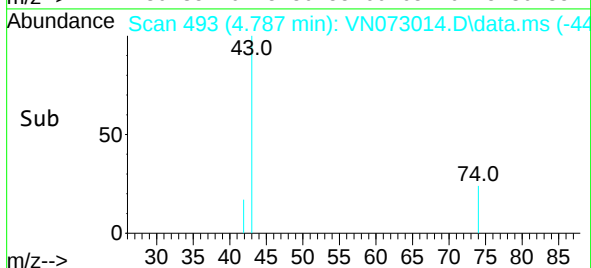
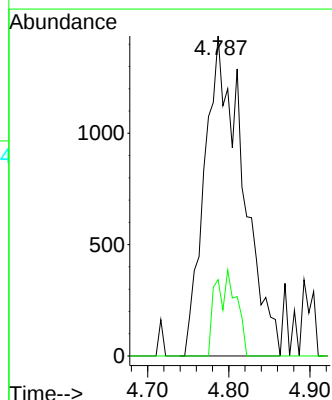
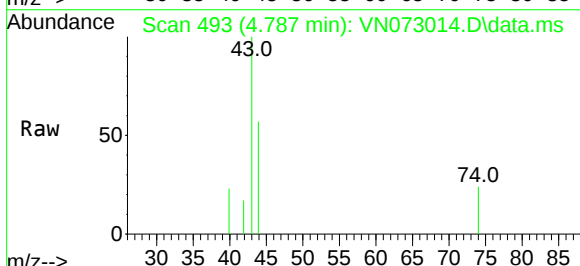
Acq: 22 Jun 2022 09:20

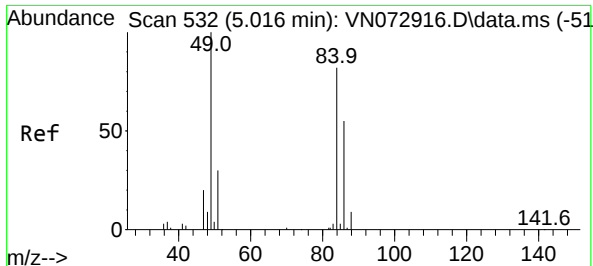
Tgt Ion: 43 Resp: 4696

Ion Ratio Lower Upper

43 100

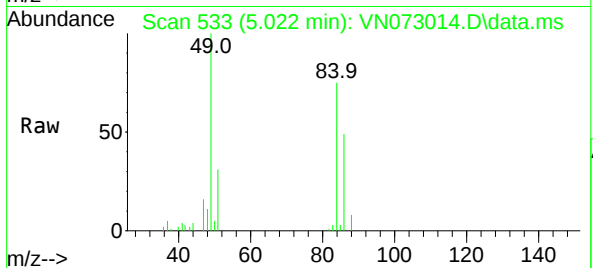
74 6.5 21.6 32.4#



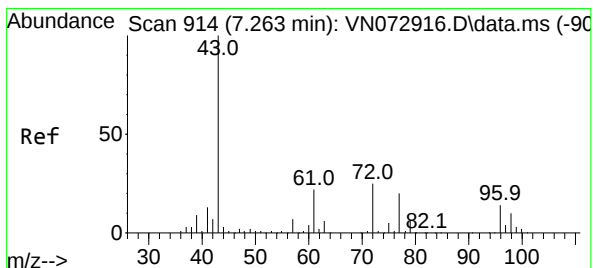
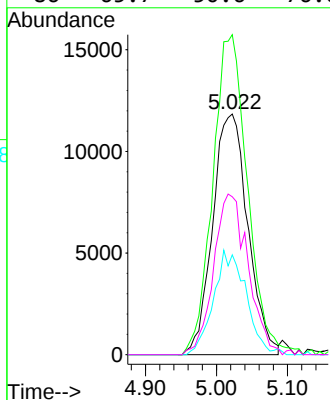
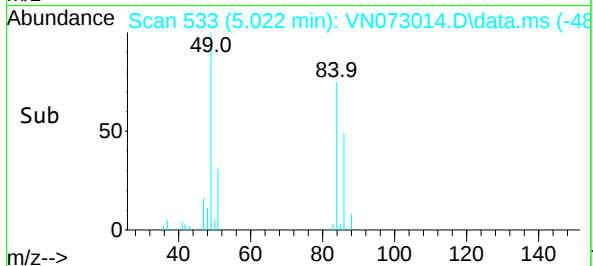


#20
Methylene Chloride
Concen: 12.333 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

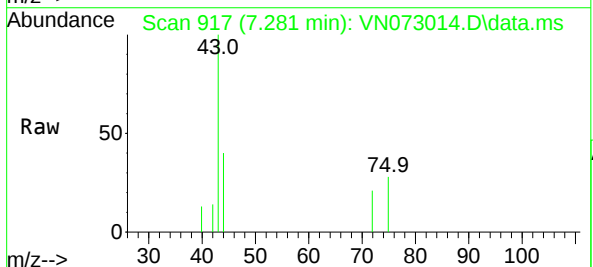
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609



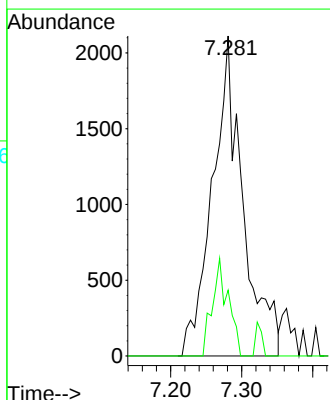
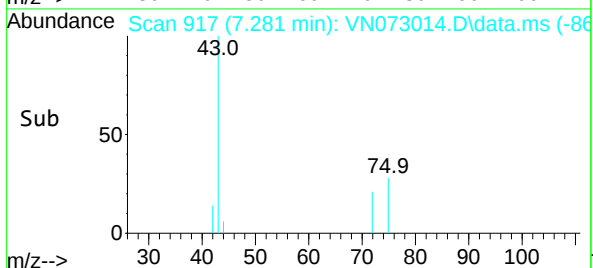
Tgt Ion: 84 Resp: 40685
Ion Ratio Lower Upper
84 100
49 133.0 88.3 132.5#
51 41.5 28.2 42.2
86 65.7 50.6 76.0

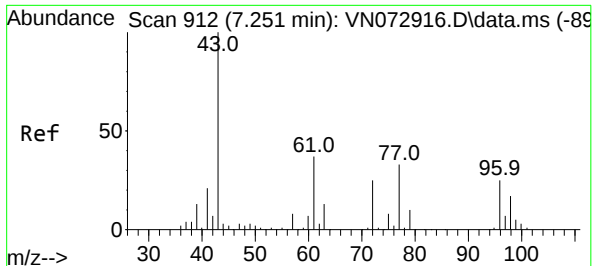


#25
2-Butanone
Concen: 1.895 ug/l
RT: 7.281 min Scan# 917
Delta R.T. 0.018 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20



Tgt Ion: 43 Resp: 6303
Ion Ratio Lower Upper
43 100
72 20.5 23.7 35.5#

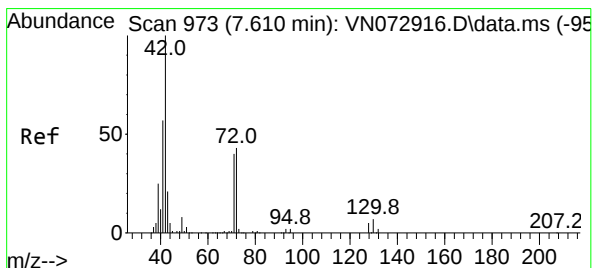
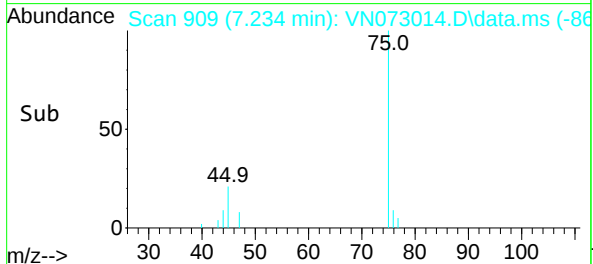
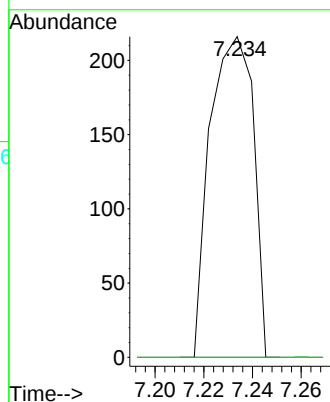
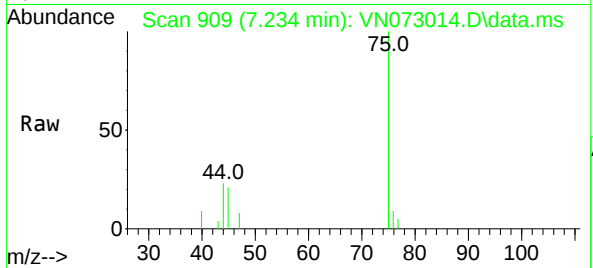




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.234 min Scan# 909
Delta R.T. -0.017 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

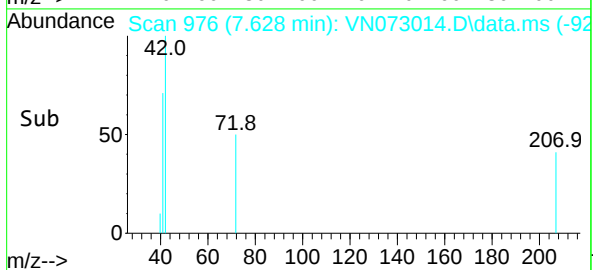
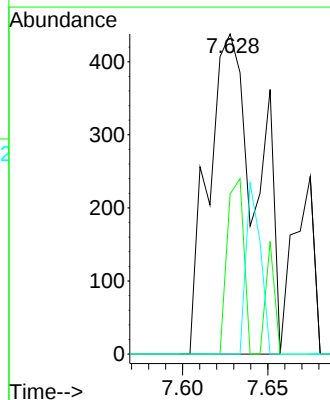
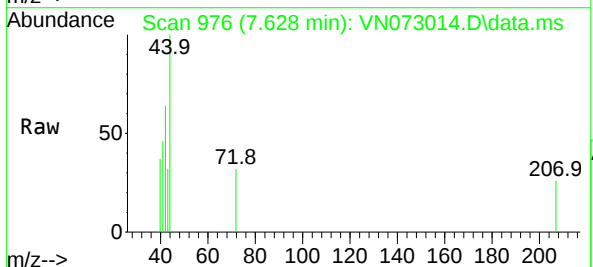
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

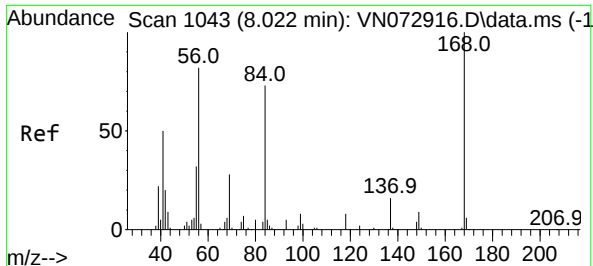
Tgt Ion: 77 Resp: 267
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.393 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

Tgt Ion: 42 Resp: 864
Ion Ratio Lower Upper
42 100
72 18.8 39.7 59.5#
71 15.9 36.6 55.0#

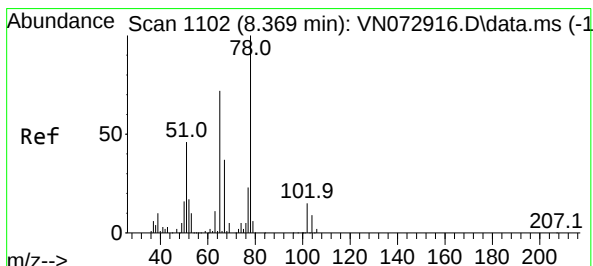
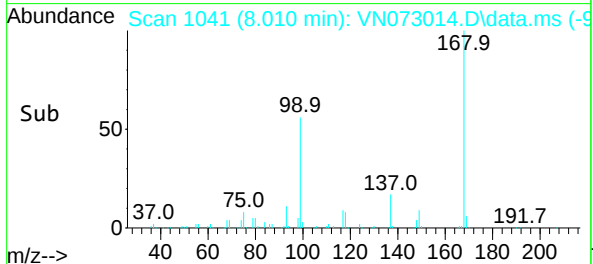
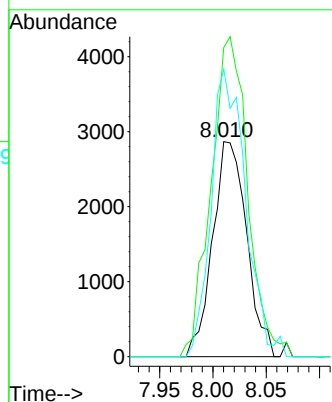
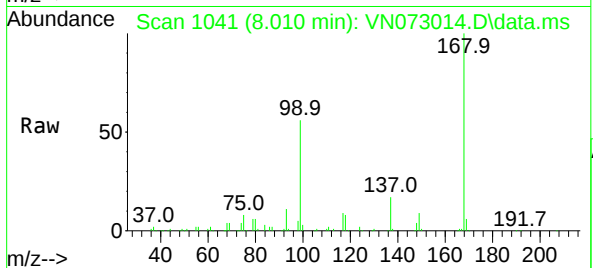




#31
Cyclohexane
Concen: 1.233 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

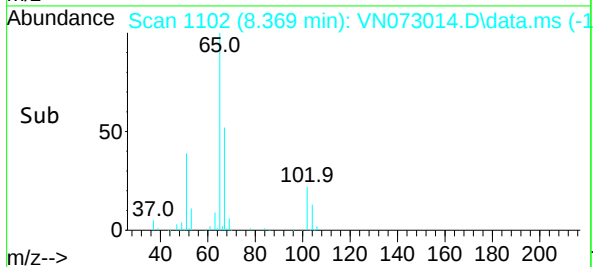
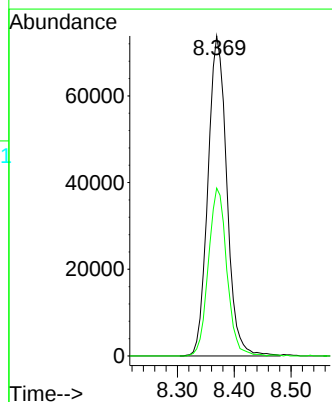
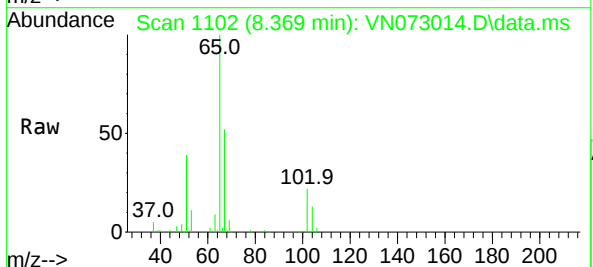
Instrument :
MSVOA_N
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WC-SO-20220609

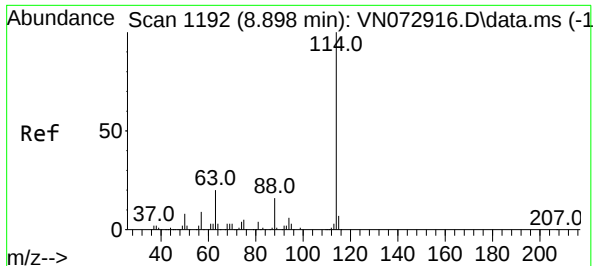
Tgt Ion: 56 Resp: 6360
Ion Ratio Lower Upper
56 100
69 143.7 27.8 41.8#
84 133.7 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 44.607 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

Tgt Ion: 65 Resp: 170079
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073014.D

Acq: 22 Jun 2022 09:20

Instrument :

MSVOA_N

ClientSampleId :

WC-SO-20220609

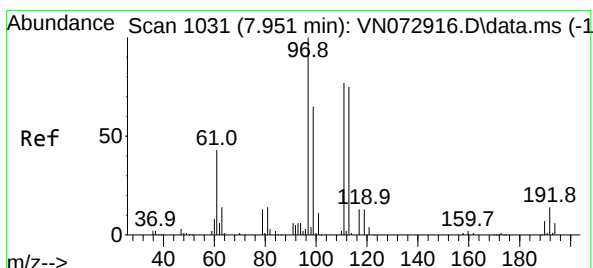
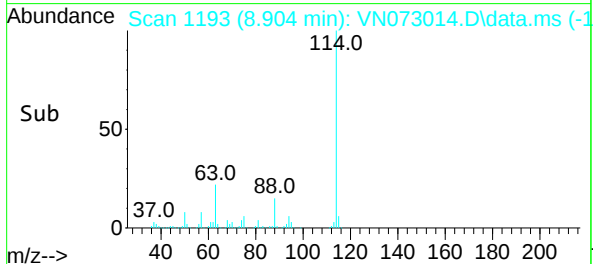
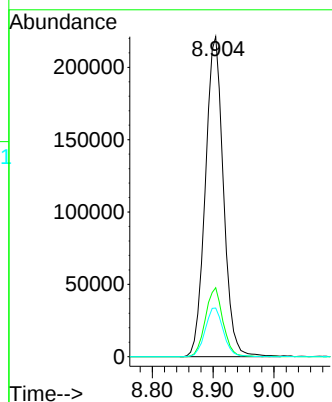
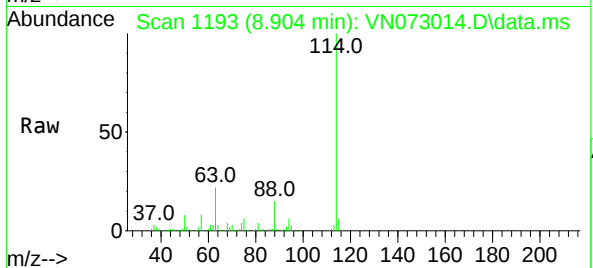
Tgt Ion:114 Resp: 455784

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.959 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073014.D

Acq: 22 Jun 2022 09:20

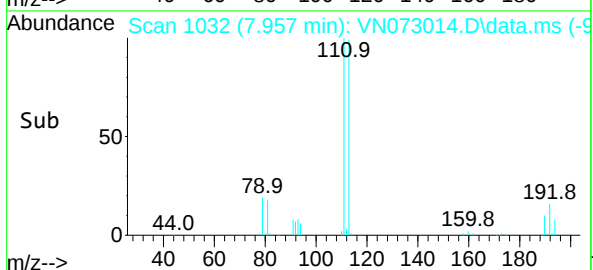
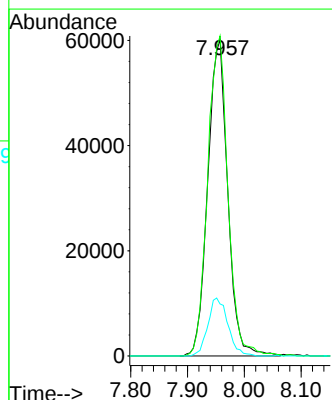
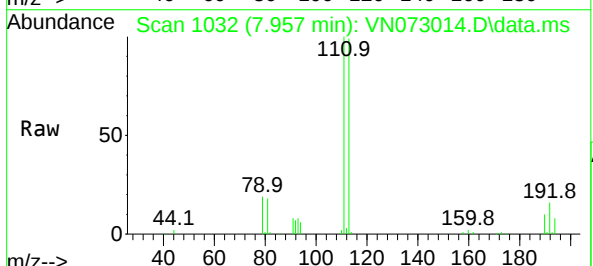
Tgt Ion:113 Resp: 146377

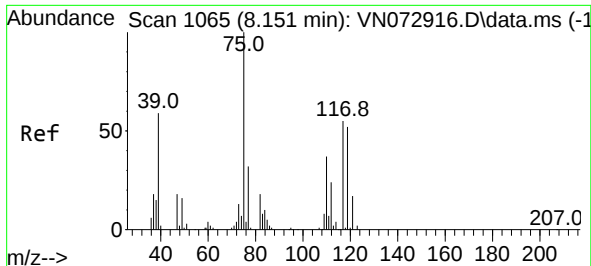
Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 18.4 17.0 25.6

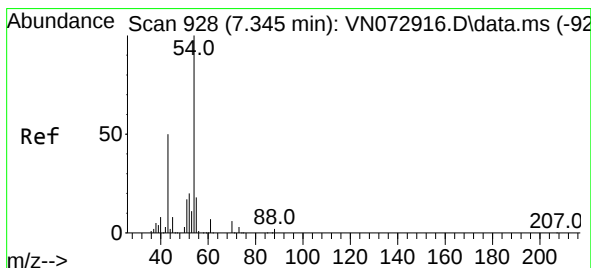
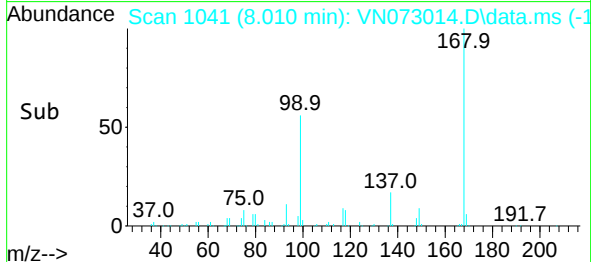
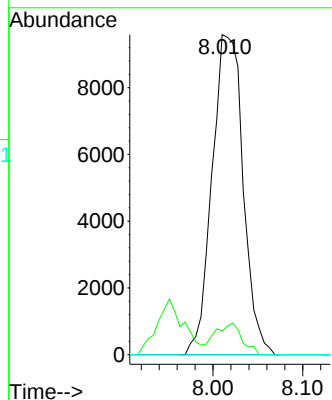
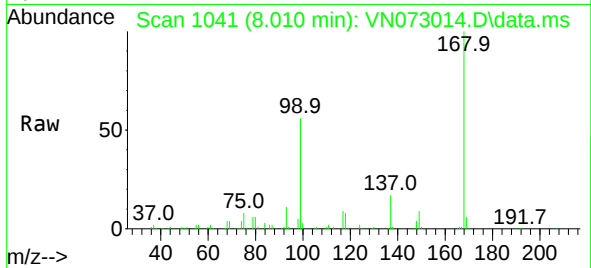




#36
1,1-Dichloropropene
Concen: 6.034 ug/l
RT: 8.010 min Scan# 1
Delta R.T. -0.141 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

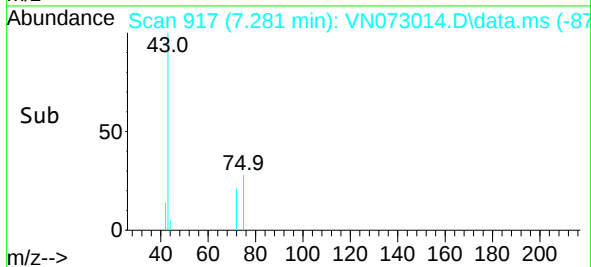
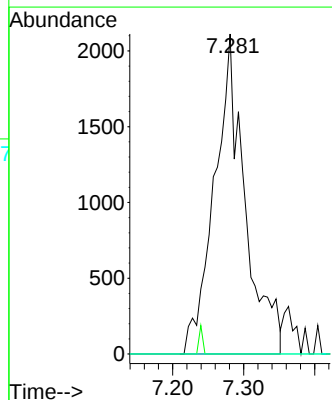
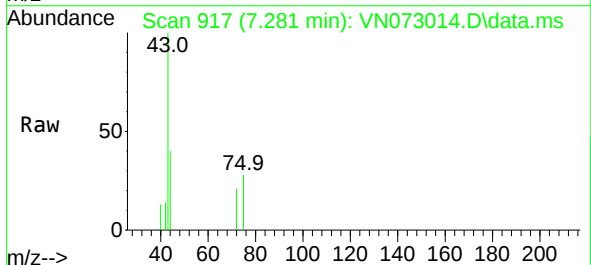
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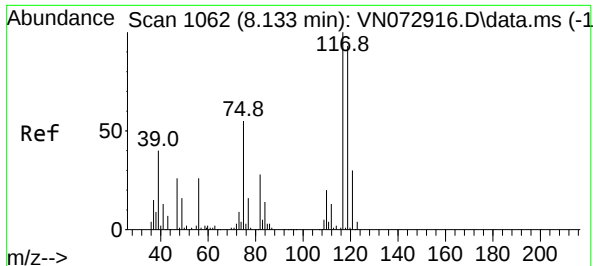
Tgt Ion: 75 Resp: 23003
Ion Ratio Lower Upper
75 100
110 8.8 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 1.034 ug/l
RT: 7.281 min Scan# 917
Delta R.T. -0.064 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

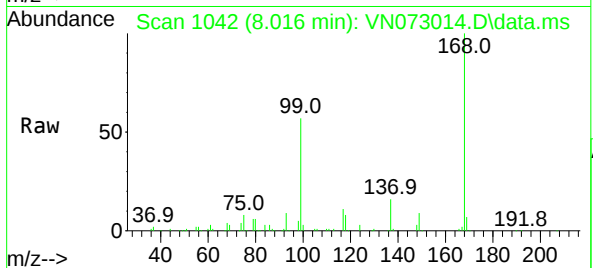
Tgt Ion: 43 Resp: 6303
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



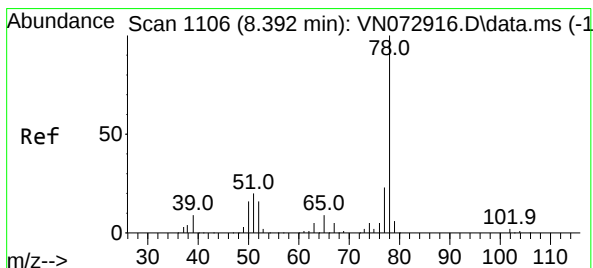
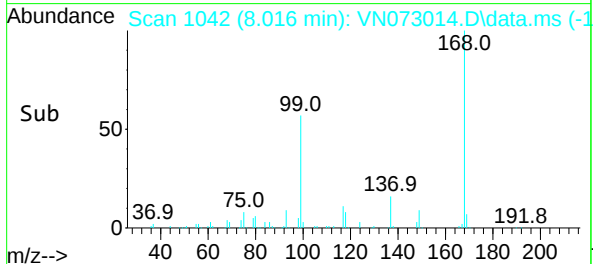
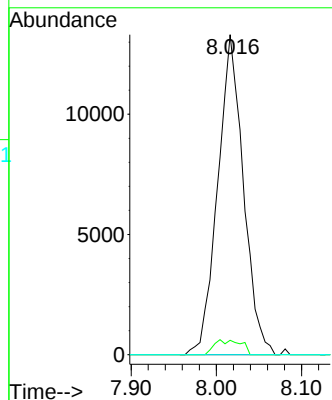


#38
Carbon Tetrachloride
Concen: 6.960 ug/l
RT: 8.016 min Scan# 1106
Delta R.T. -0.117 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

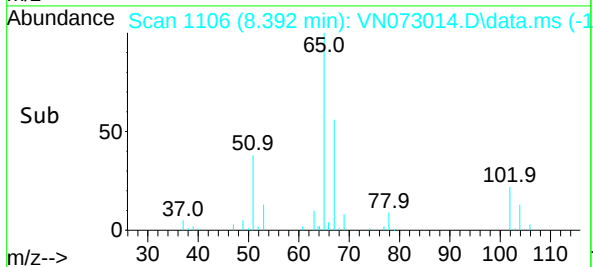
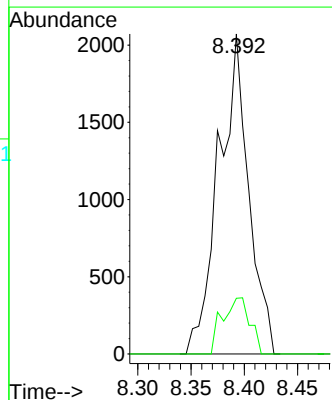
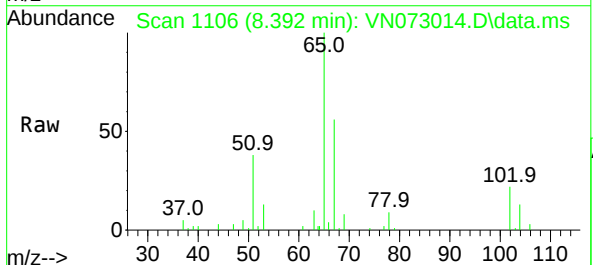


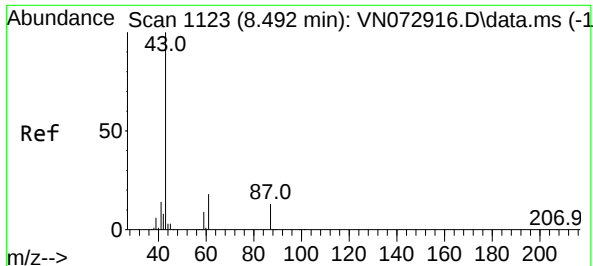
Tgt Ion:117 Resp: 27906
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.338 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

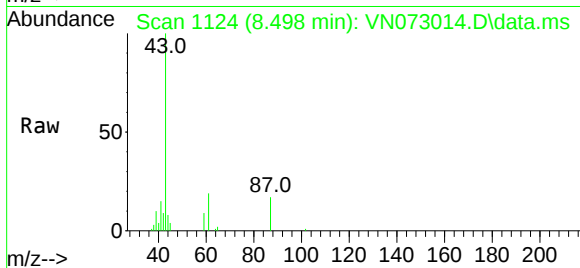
Tgt Ion: 78 Resp: 4052
Ion Ratio Lower Upper
78 100
77 17.4 19.4 29.0#



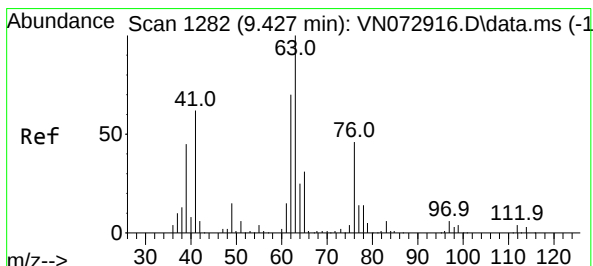
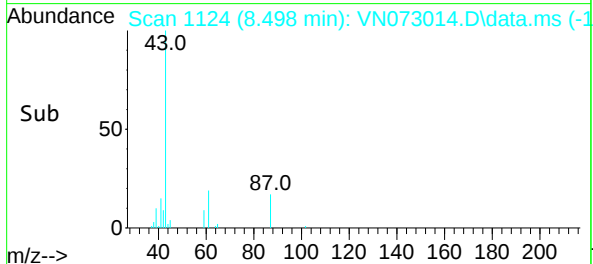
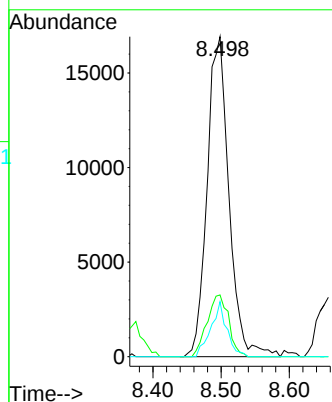


#43
Isopropyl Acetate
Concen: 4.332 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

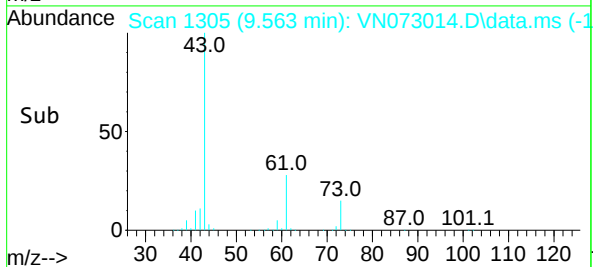
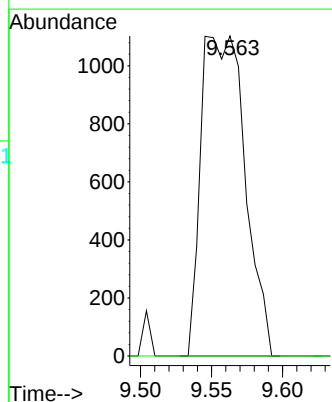
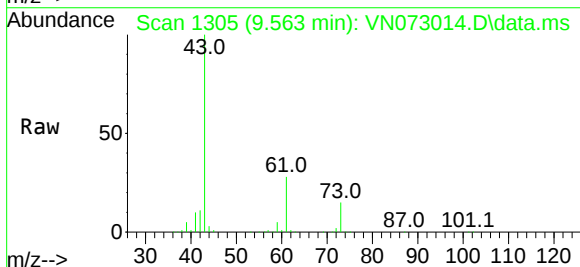


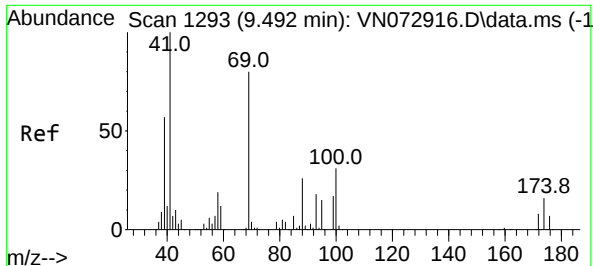
Tgt Ion: 43 Resp: 37757
Ion Ratio Lower Upper
43 100
61 19.0 21.9 32.9#
87 12.6 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.778 ug/l
RT: 9.563 min Scan# 1305
Delta R.T. 0.136 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

Tgt Ion: 63 Resp: 2383
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

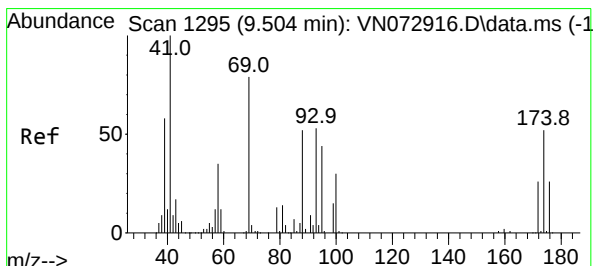
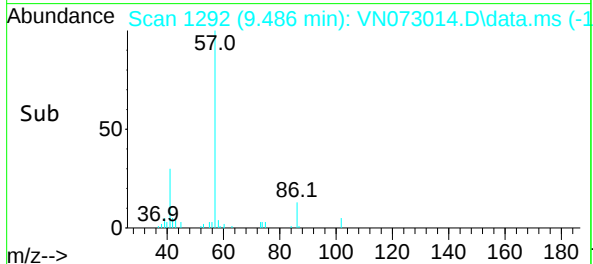
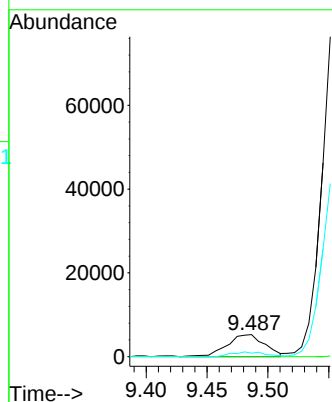
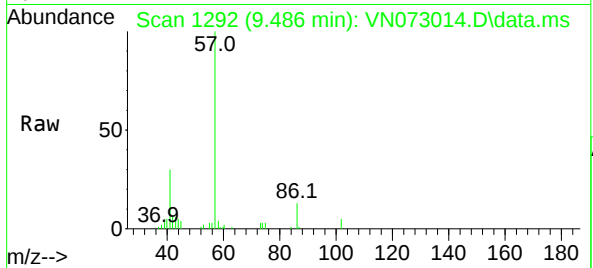




#48
Methyl methacrylate
Concen: 2.827 ug/l
RT: 9.486 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

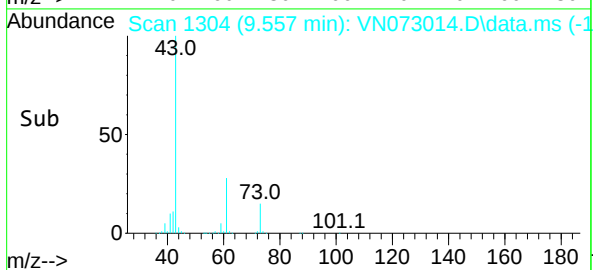
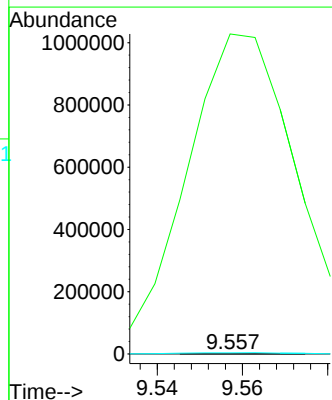
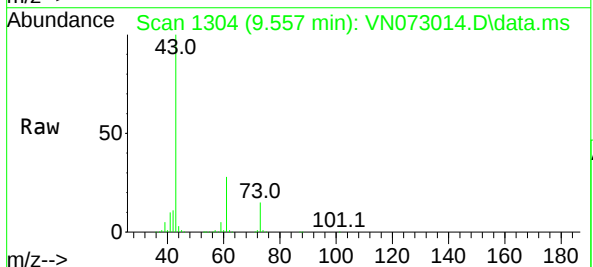
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

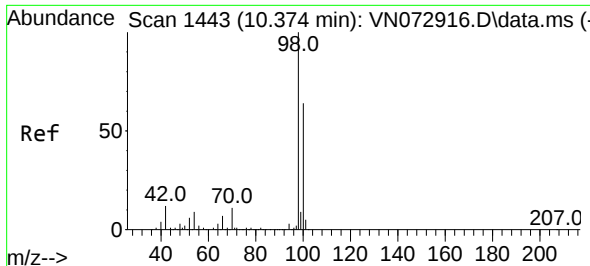
Tgt Ion: 41 Resp: 11249
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 0.916 ug/l
RT: 9.557 min Scan# 1304
Delta R.T. 0.053 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 2367100.0 20.2 30.4#
58 9150.0 54.2 81.4#

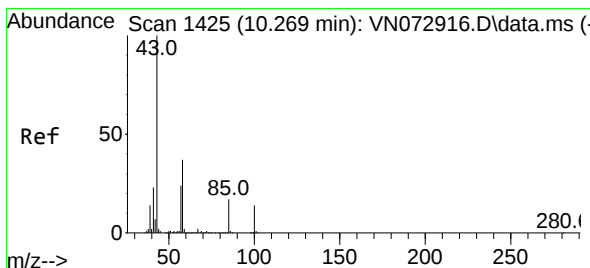
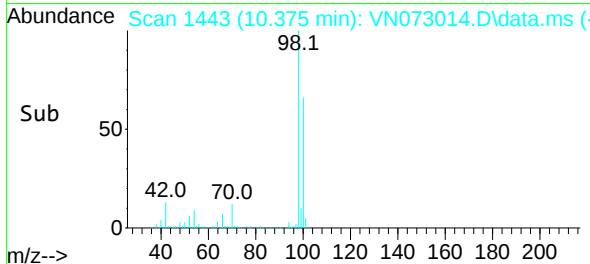
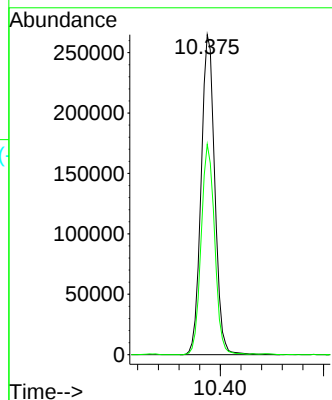
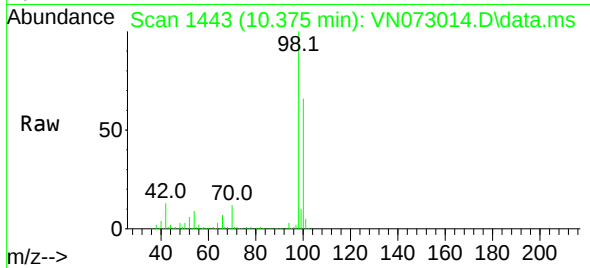




#50
Toluene-d8
Concen: 46.336 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

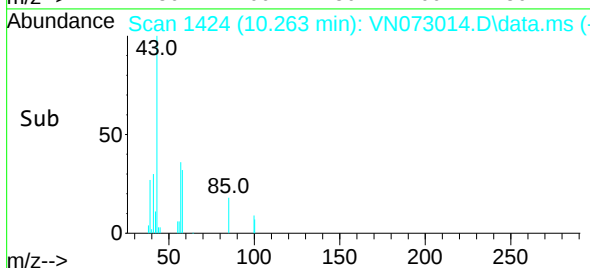
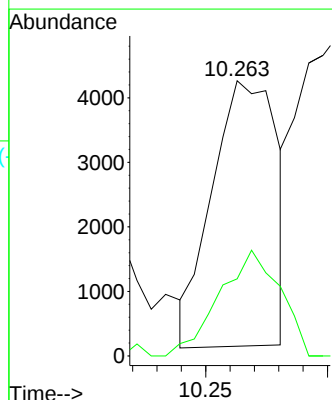
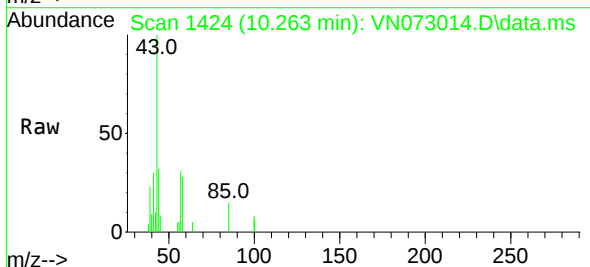
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

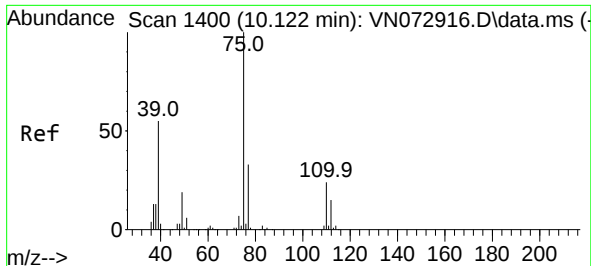
Tgt Ion: 98 Resp: 485728
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.340 ug/l
RT: 10.263 min Scan# 1424
Delta R.T. -0.006 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

Tgt Ion: 43 Resp: 7615
Ion Ratio Lower Upper
43 100
58 37.2 34.1 51.1

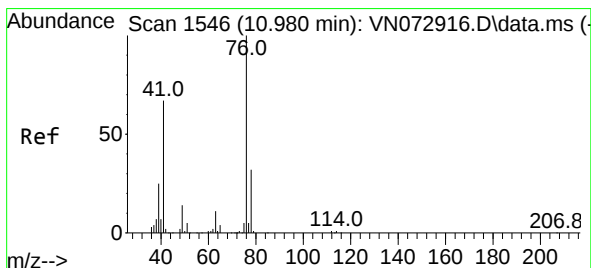
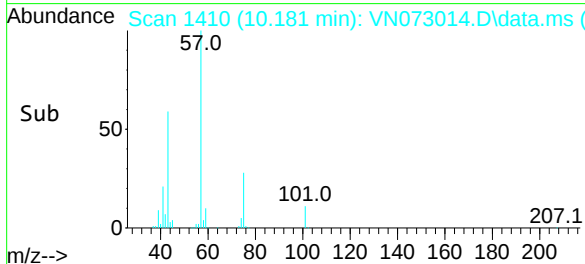
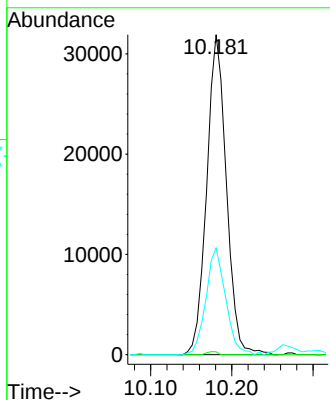
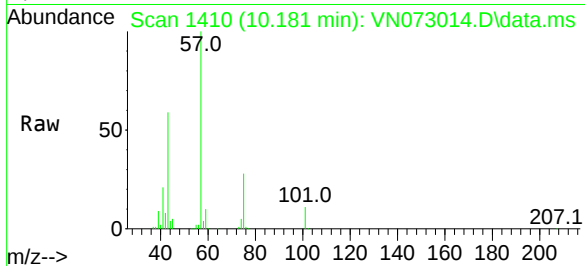




#54
cis-1,3-Dichloropropene
Concen: 11.091 ug/l
RT: 10.181 min Scan# 1400
Delta R.T. 0.059 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

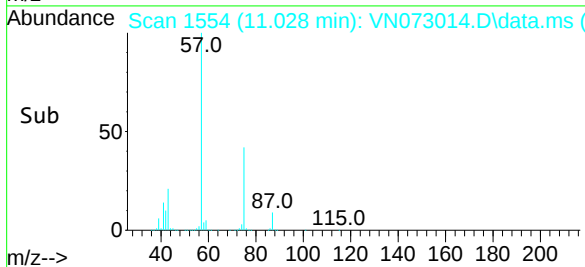
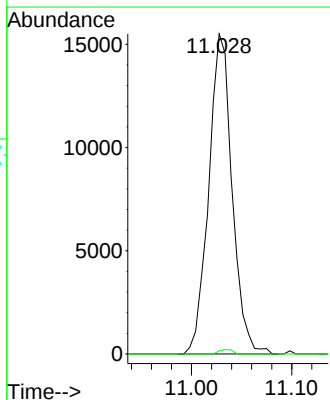
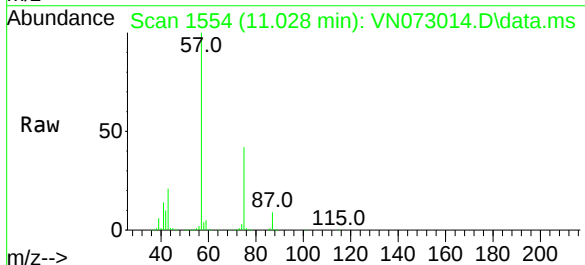
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

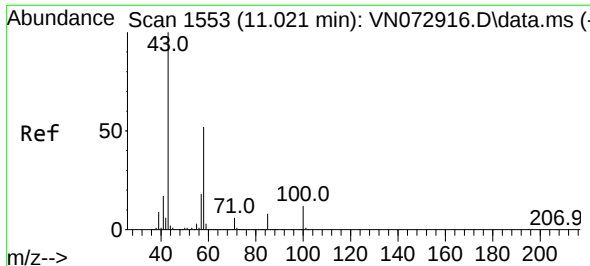
Tgt Ion: 75 Resp: 53614
Ion Ratio Lower Upper
75 100
77 0.9 25.2 37.8#
39 33.4 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 4.687 ug/l
RT: 11.028 min Scan# 1554
Delta R.T. 0.047 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

Tgt Ion: 76 Resp: 25112
Ion Ratio Lower Upper
76 100
78 0.8 26.2 39.2#

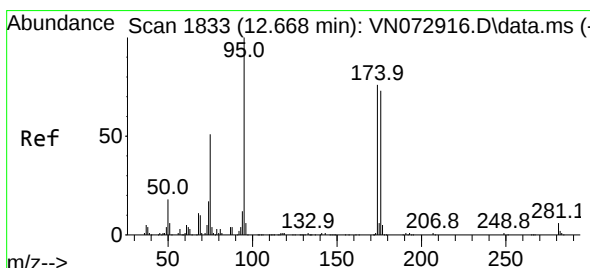
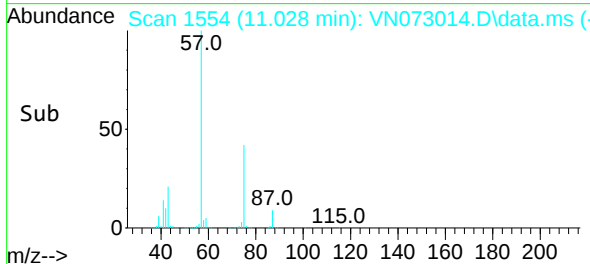
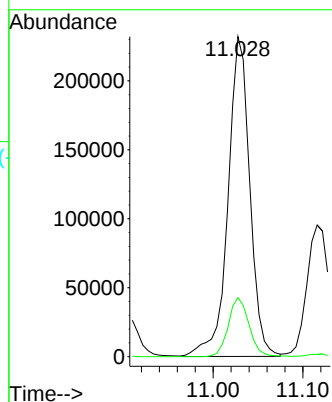
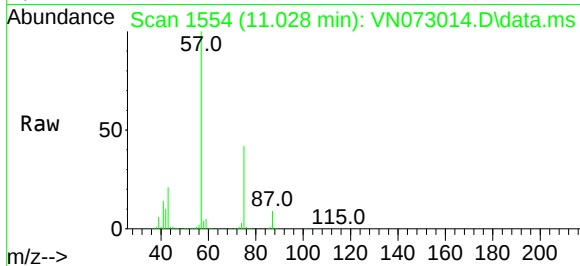




#59
2-Hexanone
Concen: 88.960 ug/l
RT: 11.028 min Scan# 11554
Delta R.T. 0.006 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

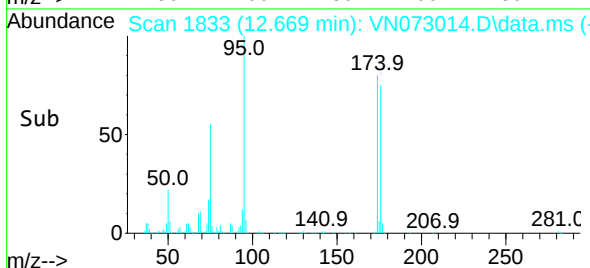
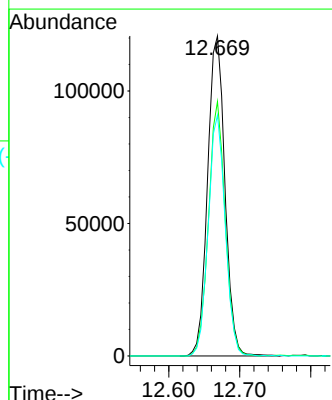
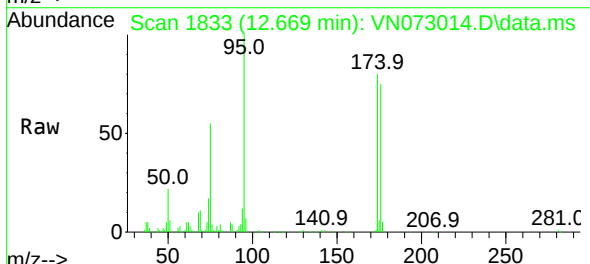
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

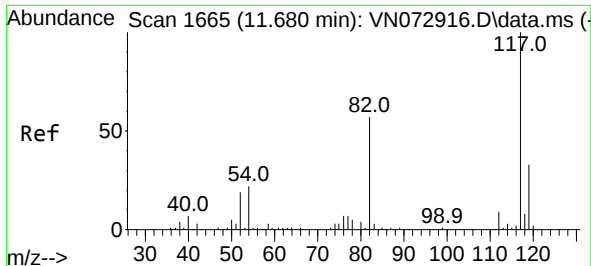
Tgt Ion: 43 Resp: 391059
Ion Ratio Lower Upper
43 100
58 17.6 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 54.456 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

Tgt Ion: 95 Resp: 205267
Ion Ratio Lower Upper
95 100
174 76.4 0.0 167.6
176 73.3 0.0 163.4

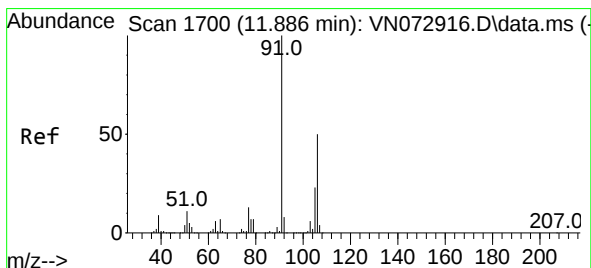
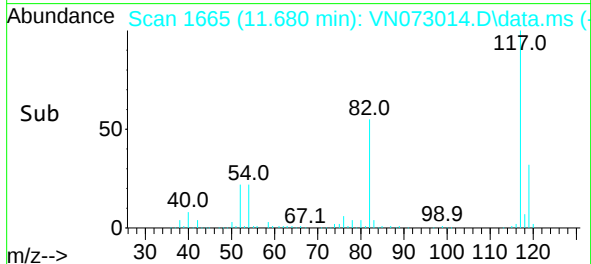
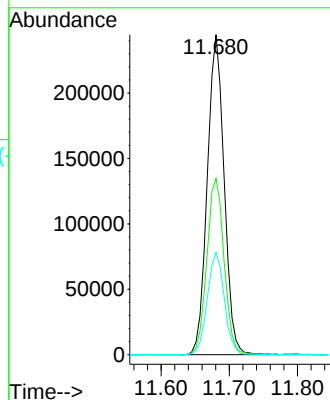
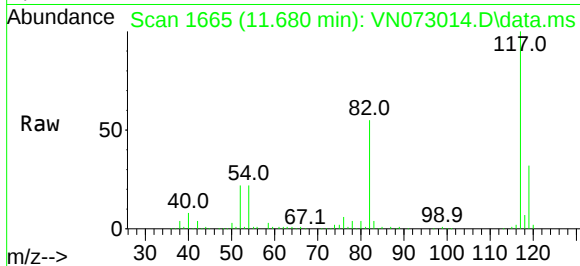




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

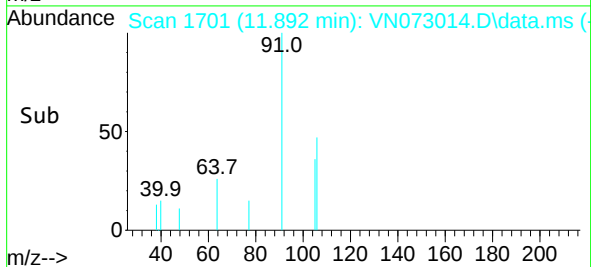
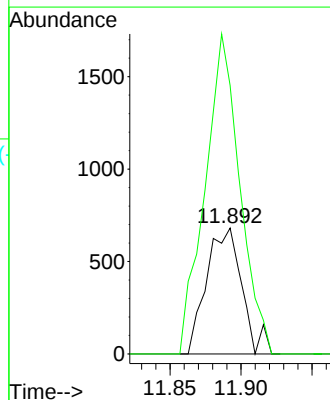
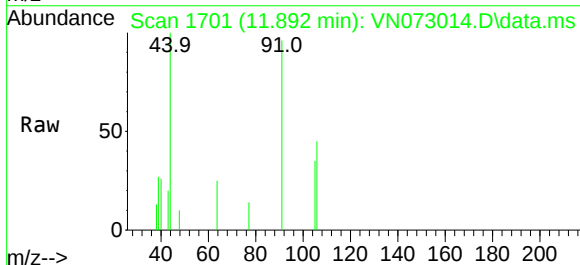
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

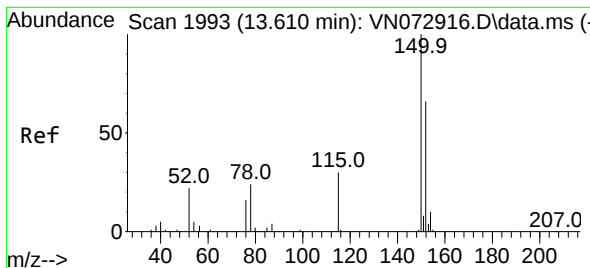
Tgt Ion:117 Resp: 421250
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.0 25.4 38.0



#68
m/p-Xylenes
Concen: 0.207 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VN073014.D
Acq: 22 Jun 2022 09:20

Tgt Ion:106 Resp: 1177
Ion Ratio Lower Upper
106 100
91 250.9 158.9 238.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VN073014.D

Acq: 22 Jun 2022 09:20

Instrument :

MSVOA_N

ClientSampleId :

WC-SO-20220609

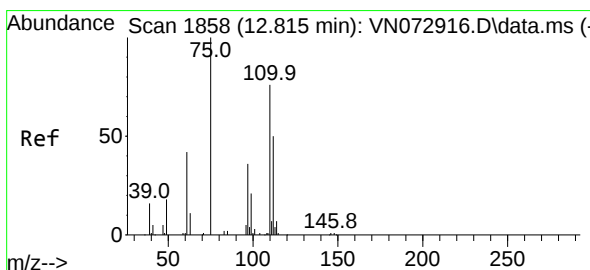
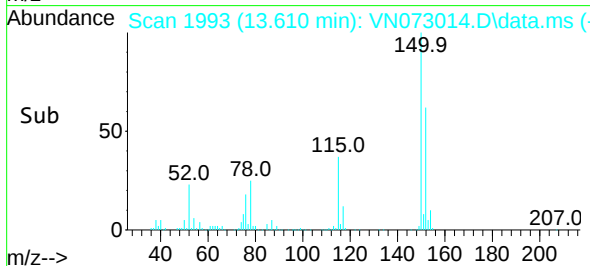
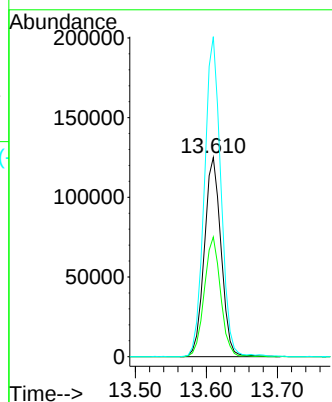
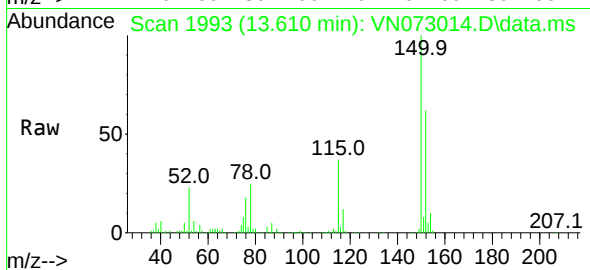
Tgt Ion:152 Resp: 204524

Ion Ratio Lower Upper

152 100

115 58.8 28.9 86.7

150 158.7 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 22.232 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. -0.147 min

Lab File: VN073014.D

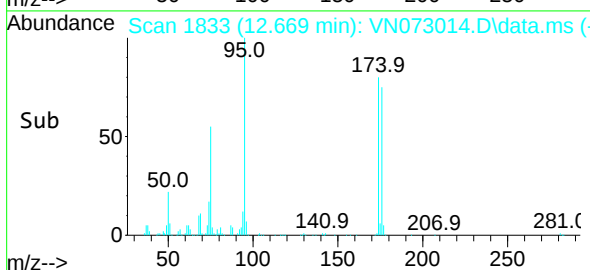
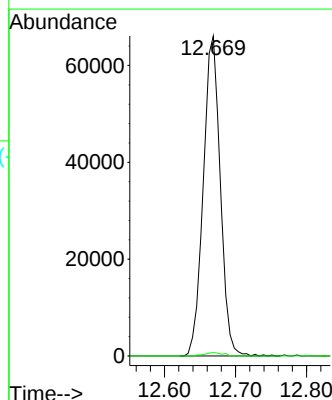
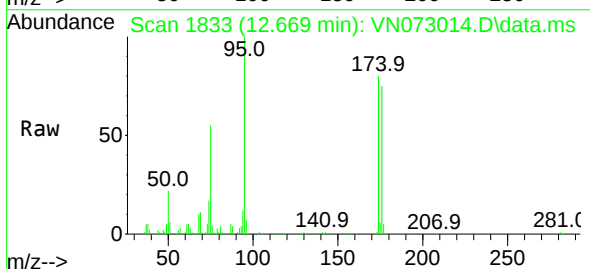
Acq: 22 Jun 2022 09:20

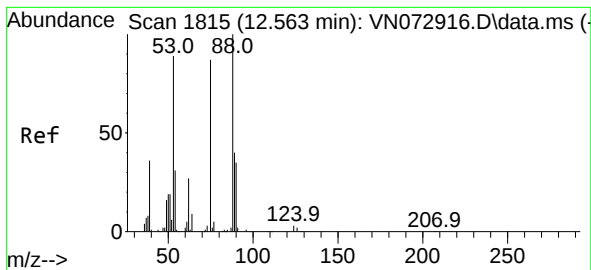
Tgt Ion: 75 Resp: 110239

Ion Ratio Lower Upper

75 100

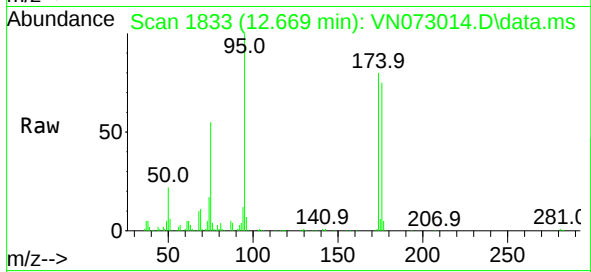
77 1.1 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.039 ug/l
 RT: 12.669 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073014.D
 Acq: 22 Jun 2022 09:20

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-SO-20220609



Tgt Ion: 75 Resp: 110239
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

