

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061322\
 Data File : VN072819.D
 Acq On : 14 Jun 2022 01:24
 Operator : JC\MD
 Sample : N3301-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-SO-20220609

Quant Time: Jun 14 05:24:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061322W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 13 17:28:28 2022
 Response via : Initial Calibration

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

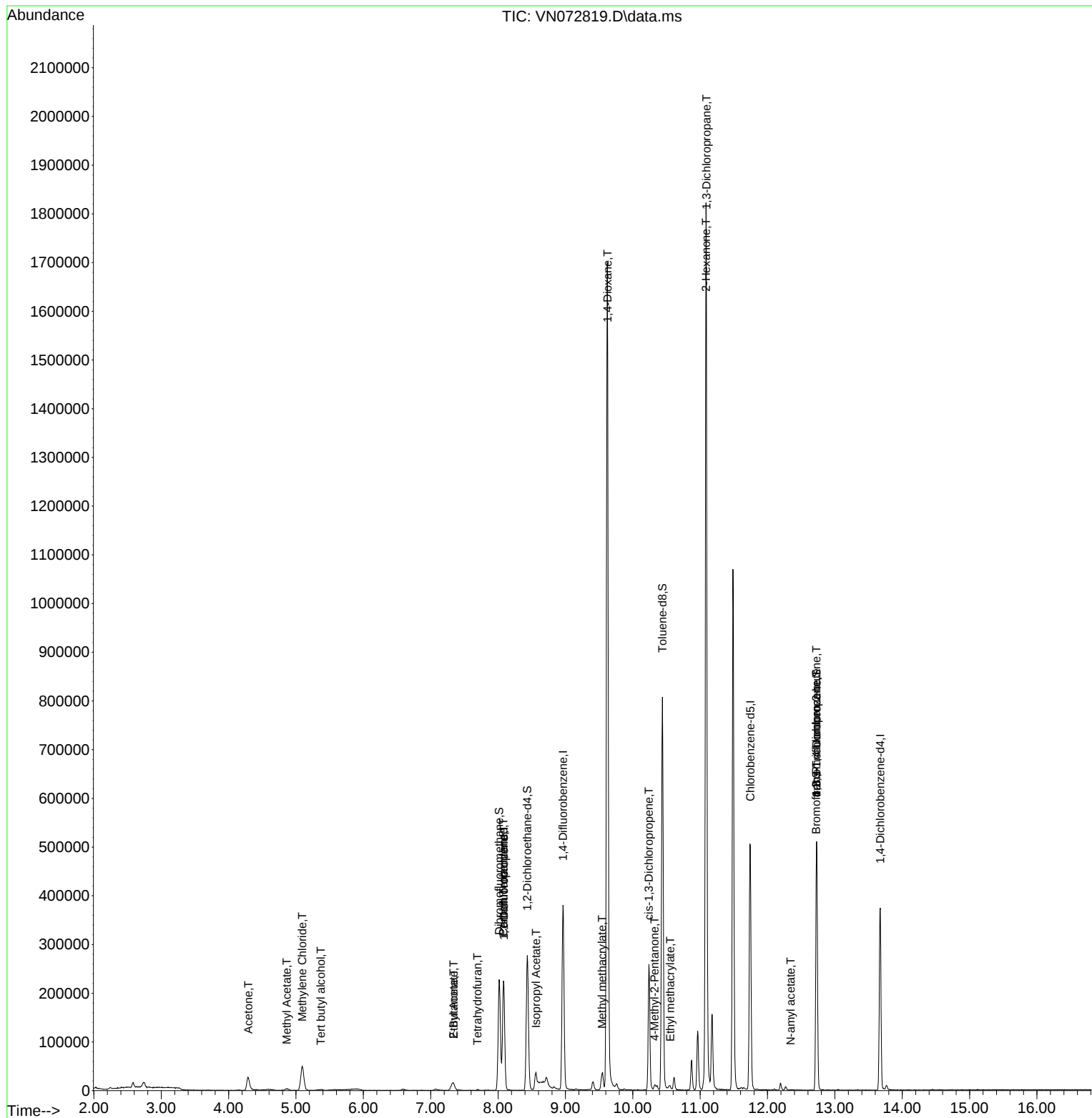
Internal Standards						
1) Pentafluorobenzene	8.081	168	141641	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	297086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	266872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	89202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	230036	58.006	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 116.020%			
35) Dibromofluoromethane	8.016	113	160016	54.082	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.160%			
50) Toluene-d8	10.439	98	518947	43.673	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 87.340%			
62) 4-Bromofluorobenzene	12.727	95	174422	41.538	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 83.080%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	333	Below Cal	#	43
6) Chloroethane	2.963	64	420	Below Cal	#	42
11) Tert butyl alcohol	5.369	59	3009	0.772	ug/l #	72
16) Acetone	4.293	43	52276	29.027	ug/l #	87
17) Carbon Disulfide	4.528	76	372	Below Cal	#	75
18) Methyl Acetate	4.863	43	7840	1.656	ug/l #	60
20) Methylene Chloride	5.092	84	36586	13.985	ug/l #	87
25) 2-Butanone	7.339	43	22043	7.803	ug/l	93
29) Tetrahydrofuran	7.692	42	992	0.567	ug/l #	44
31) Cyclohexane	8.081	56	5339	Below Cal	#	39
36) 1,1-Dichloropropene	8.086	75	16295	3.952	ug/l #	45
37) Ethyl Acetate	7.339	43	22043	3.499	ug/l #	67
38) Carbon Tetrachloride	8.081	117	18062	4.180	ug/l #	17
43) Isopropyl Acetate	8.563	43	48178	4.941	ug/l #	77
48) Methyl methacrylate	9.545	41	10510	2.323	ug/l #	10
49) 1,4-Dioxane	9.627	88	111	1.436	ug/l #	1
51) 4-Methyl-2-Pentanone	10.322	43	7930	1.226	ug/l	93
54) cis-1,3-Dichloropropene	10.239	75	43020	7.974	ug/l #	75
56) Ethyl methacrylate	10.557	69	2954	0.515	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	17378	2.946	ug/l #	42
59) 2-Hexanone	11.086	43	302064	63.046	ug/l #	44
71) Bromoform	12.721	173	489	0.251	ug/l #	1
74) N-amyl acetate	12.345	43	1756	0.403	ug/l #	39
76) 1,2,3-Trichloropropane	12.727	75	104139	34.015	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	104139	103.674	ug/l #	10

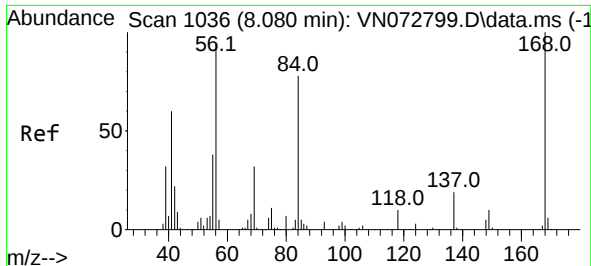
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061322\
Data File : VN072819.D
Acq On : 14 Jun 2022 01:24
Operator : JC\MD
Sample : N3301-04
Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

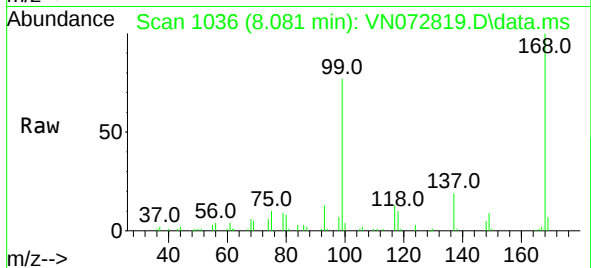
Quant Time: Jun 14 05:24:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061322W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 13 17:28:28 2022
Response via : Initial Calibration



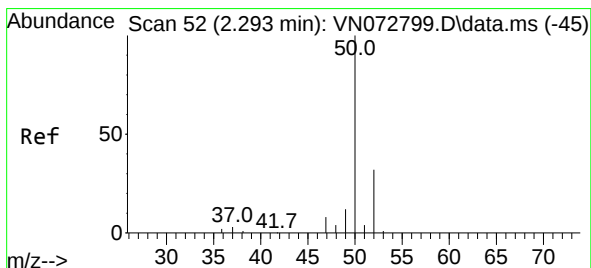
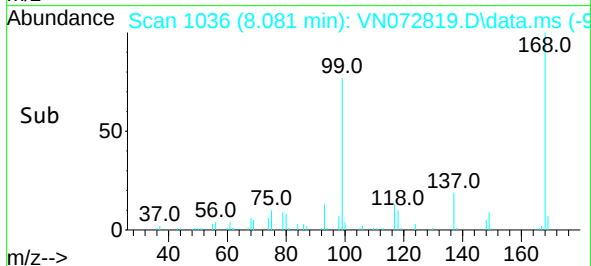
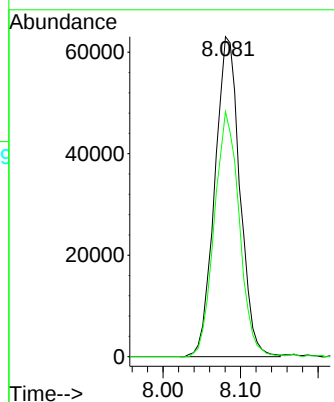


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

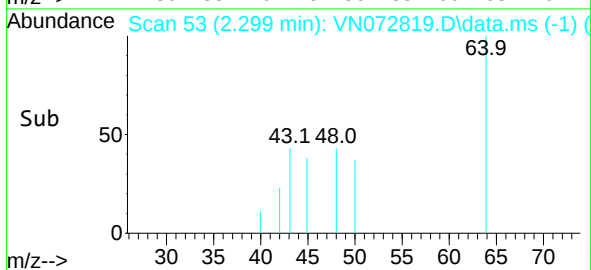
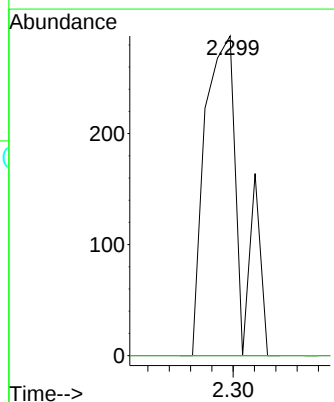
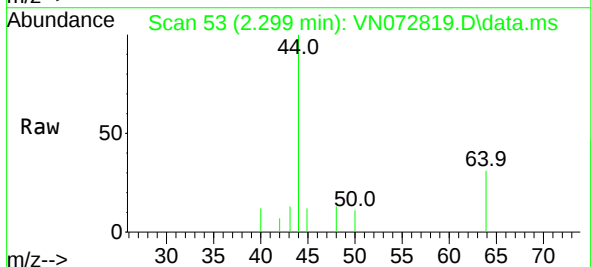


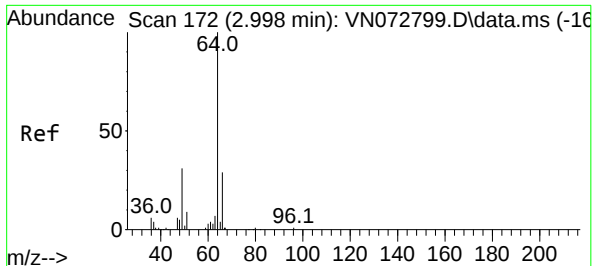
Tgt Ion:168 Resp: 141641
Ion Ratio Lower Upper
168 100
99 76.6 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. 0.006 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

Tgt Ion: 50 Resp: 333
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

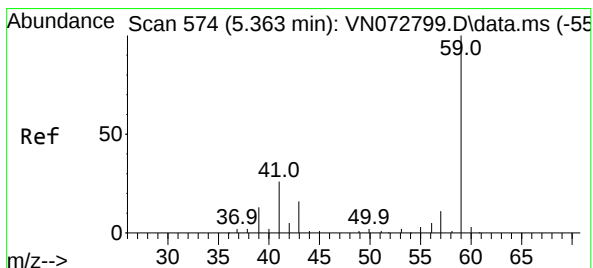
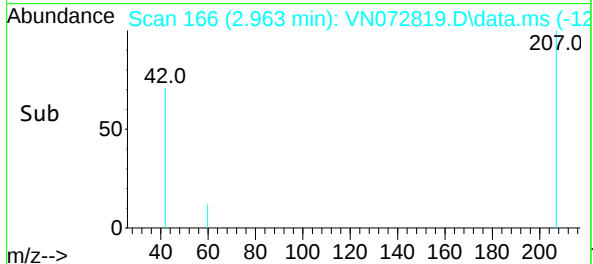
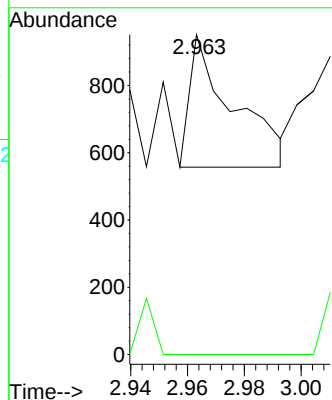
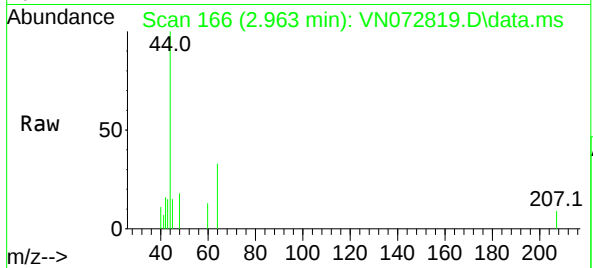




#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

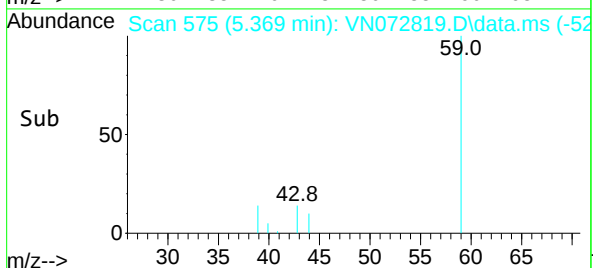
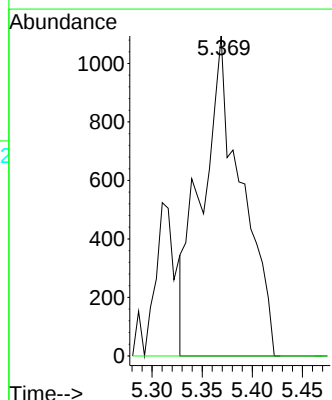
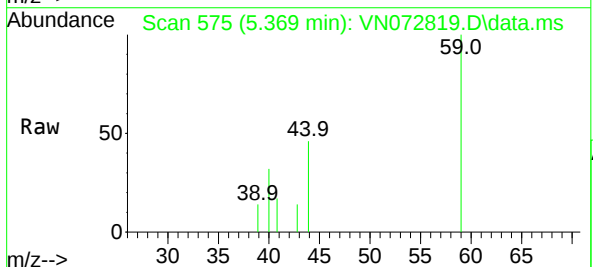
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

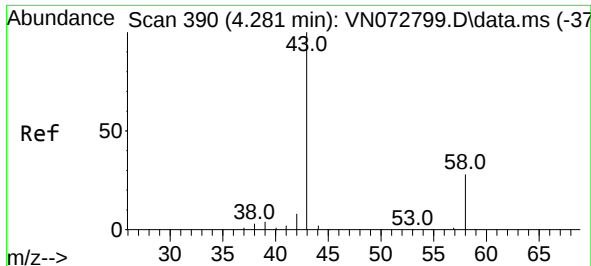
Tgt Ion: 64 Resp: 420
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.772 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.006 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

Tgt Ion: 59 Resp: 3009
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

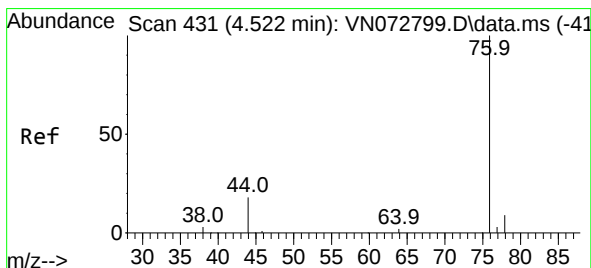
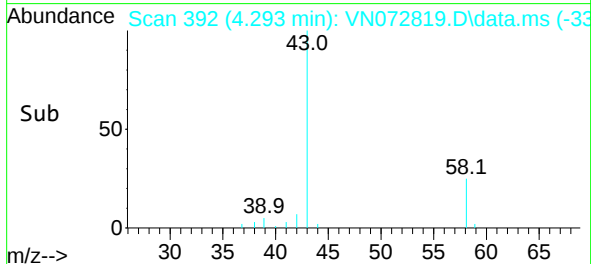
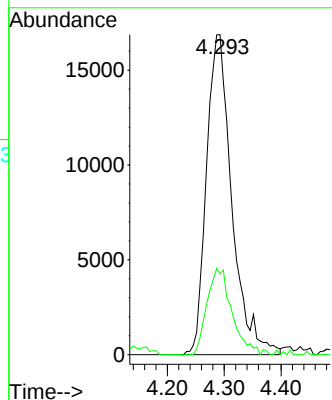
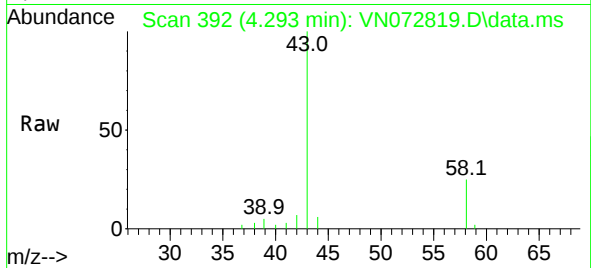




#16
Acetone
Concen: 29.027 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

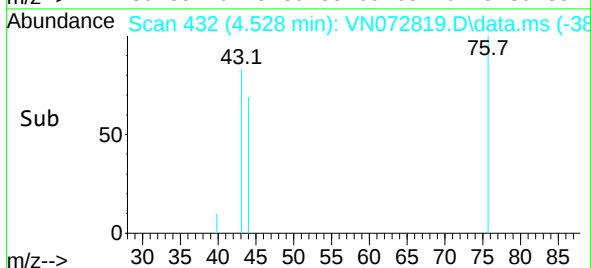
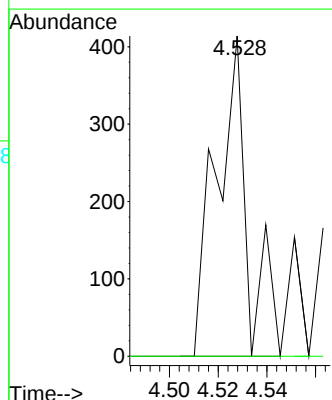
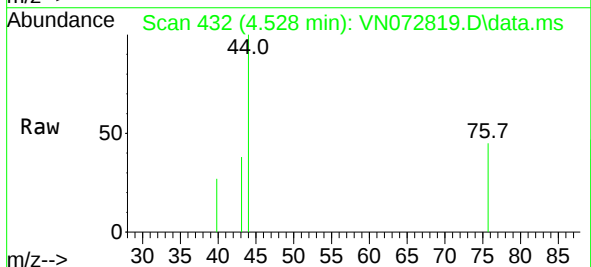
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

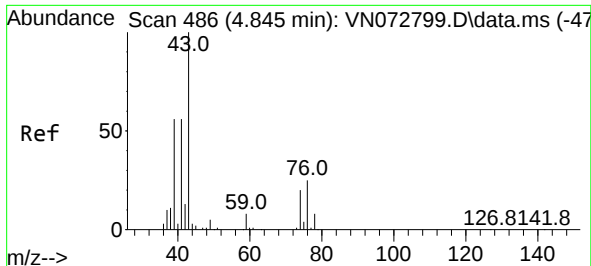
Tgt Ion: 43 Resp: 52276
Ion Ratio Lower Upper
43 100
58 25.3 26.0 39.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.528 min Scan# 432
Delta R.T. 0.006 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

Tgt Ion: 76 Resp: 372
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

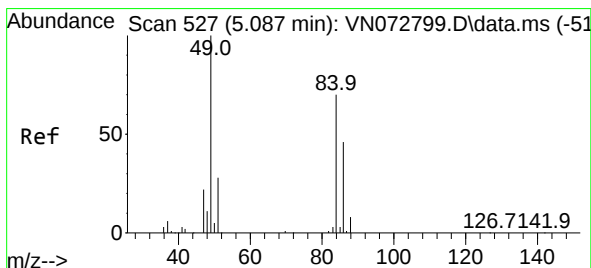
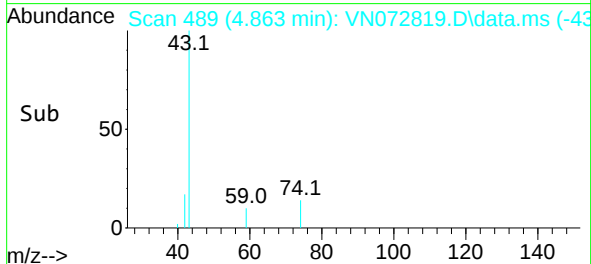
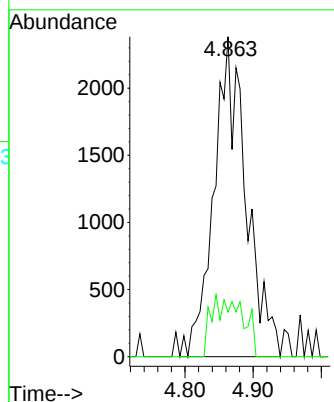
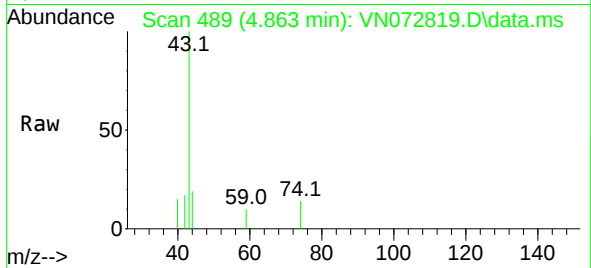




#18
Methyl Acetate
Concen: 1.656 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.018 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

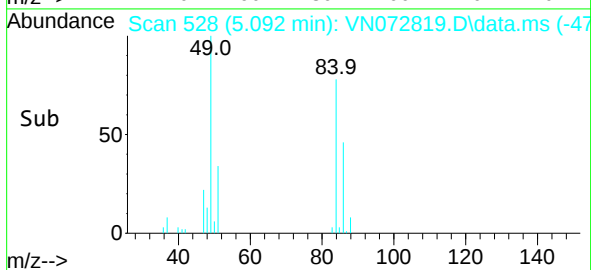
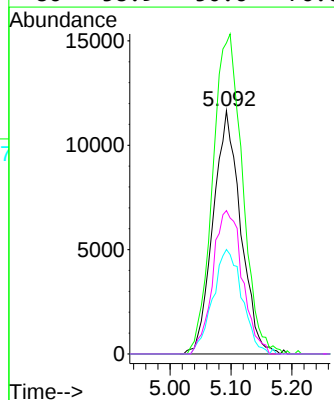
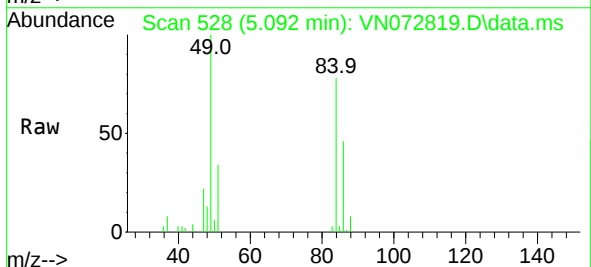
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

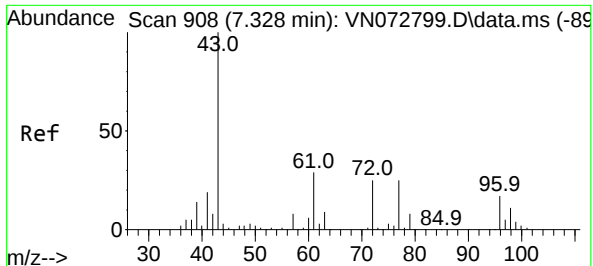
Tgt Ion: 43 Resp: 7840
Ion Ratio Lower Upper
43 100
74 6.1 21.6 32.4#



#20
Methylene Chloride
Concen: 13.985 ug/l
RT: 5.092 min Scan# 528
Delta R.T. 0.005 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

Tgt Ion: 84 Resp: 36586
Ion Ratio Lower Upper
84 100
49 127.9 88.3 132.5
51 43.0 28.2 42.2#
86 58.9 50.6 76.0





#25

2-Butanone

Concen: 7.803 ug/l

RT: 7.339 min Scan# 91

Delta R.T. 0.011 min

Lab File: VN072819.D

Acq: 14 Jun 2022 01:24

Instrument :

MSVOA_N

ClientSampleId :

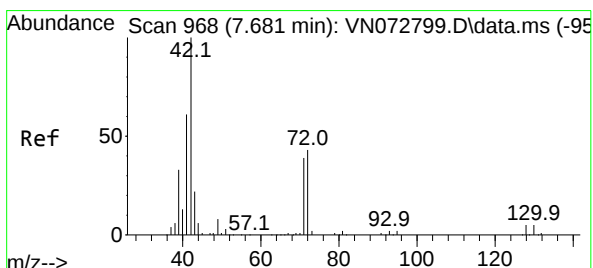
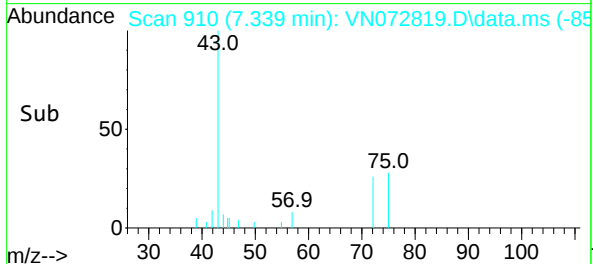
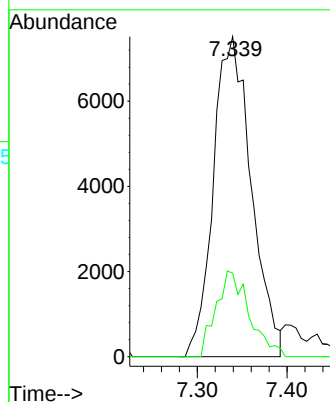
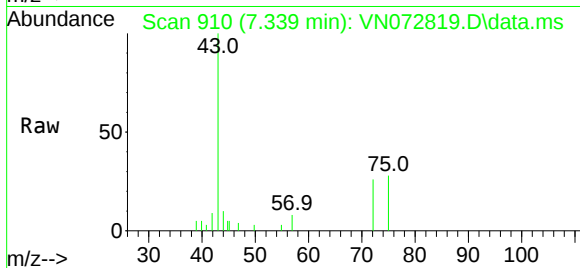
WC-SO-20220609

Tgt Ion: 43 Resp: 22043

Ion Ratio Lower Upper

43 100

72 26.1 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.567 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.011 min

Lab File: VN072819.D

Acq: 14 Jun 2022 01:24

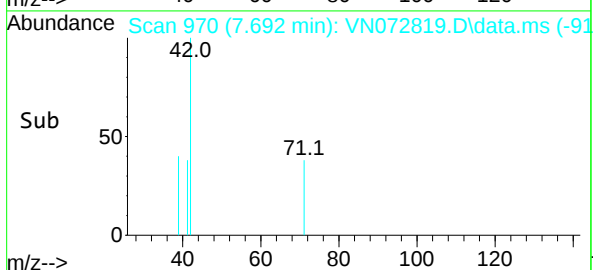
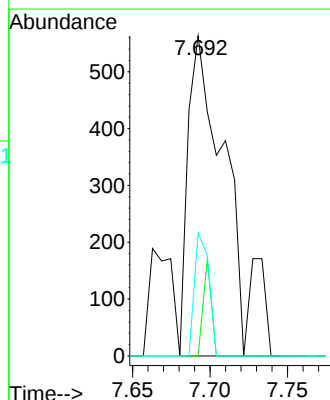
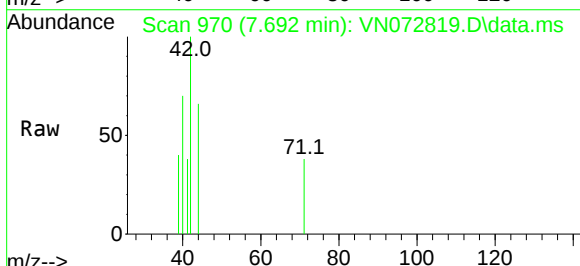
Tgt Ion: 42 Resp: 992

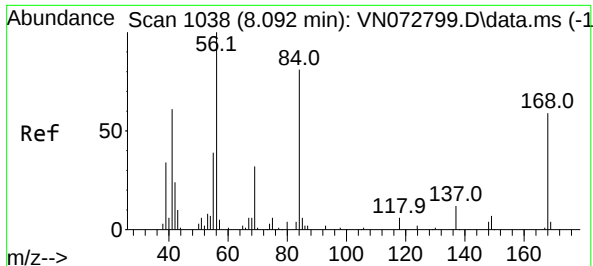
Ion Ratio Lower Upper

42 100

72 6.0 39.7 59.5#

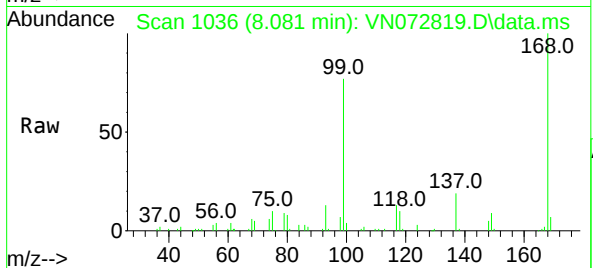
71 14.0 36.6 55.0#



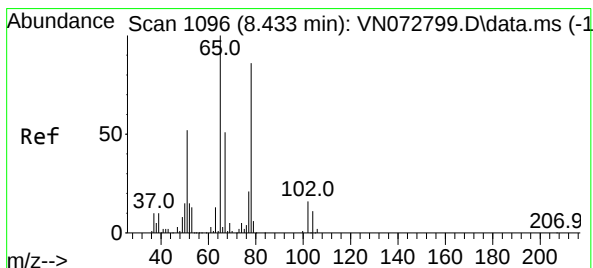
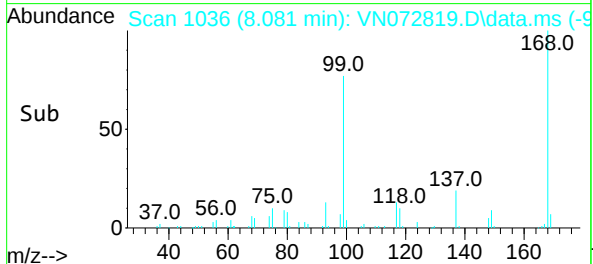
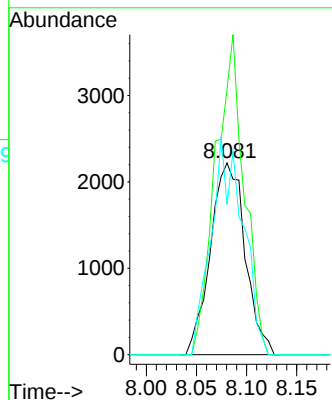


#31
Cyclohexane
Concen: Below Cal
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

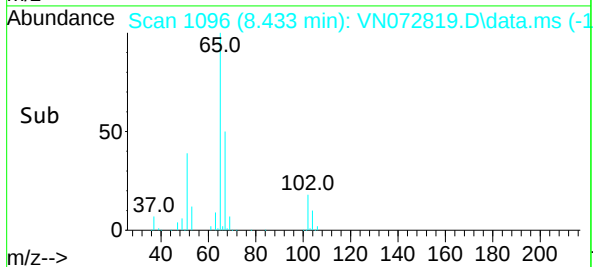
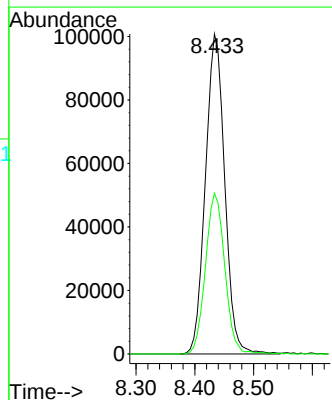
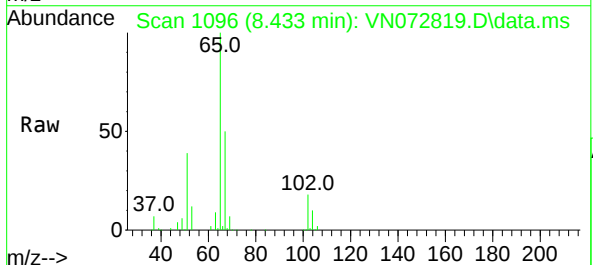


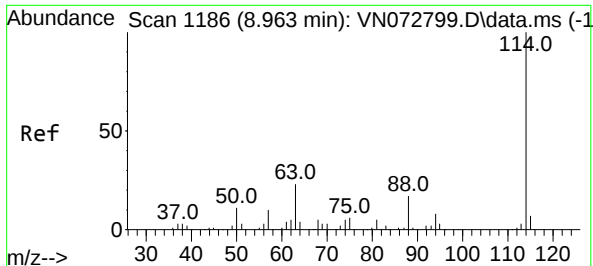
Tgt Ion: 56 Resp: 5339
Ion Ratio Lower Upper
56 100
69 138.7 27.8 41.8#
84 78.3 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 58.006 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

Tgt Ion: 65 Resp: 230036
Ion Ratio Lower Upper
65 100
67 50.4 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: VN072819.D

Acq: 14 Jun 2022 01:24

Instrument :

MSVOA_N

ClientSampleId :

WC-SO-20220609

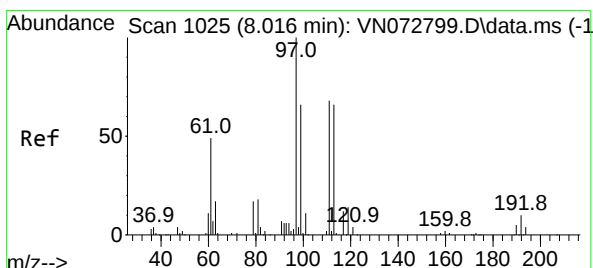
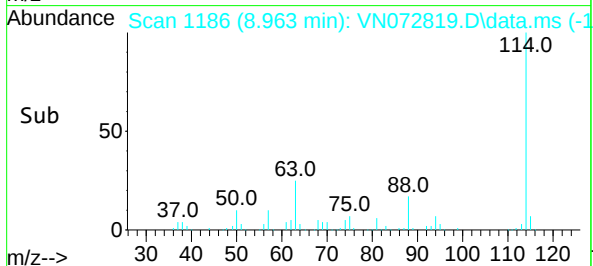
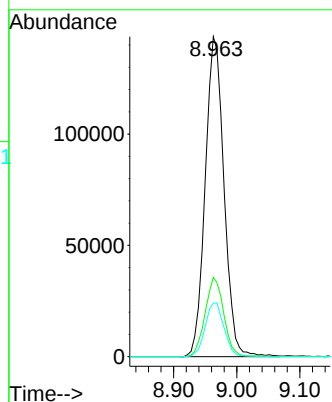
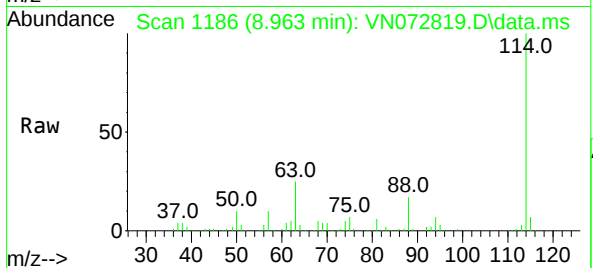
Tgt Ion:114 Resp: 297086

Ion Ratio Lower Upper

114 100

63 24.8 0.0 40.0

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.082 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072819.D

Acq: 14 Jun 2022 01:24

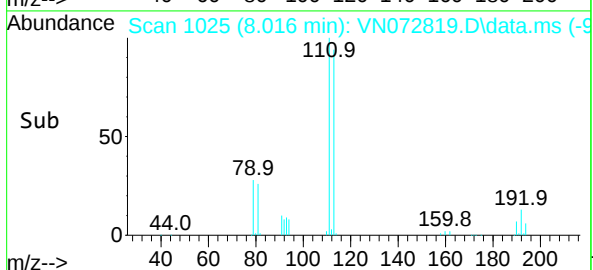
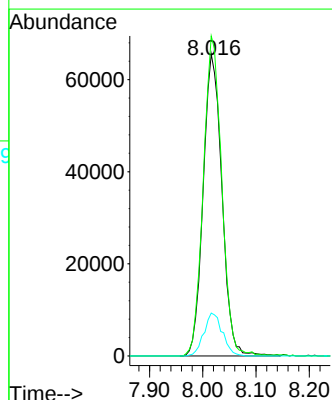
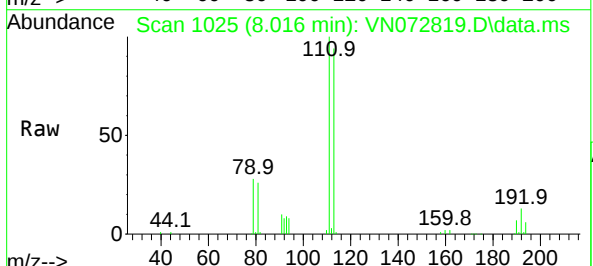
Tgt Ion:113 Resp: 160016

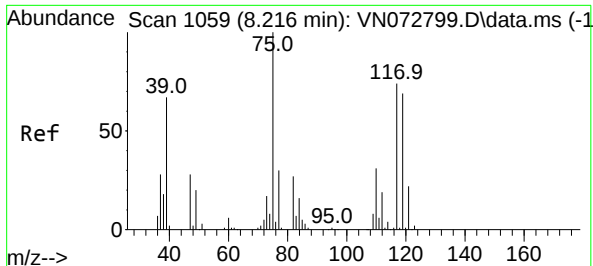
Ion Ratio Lower Upper

113 100

111 104.2 81.4 122.0

192 14.1 17.0 25.6#

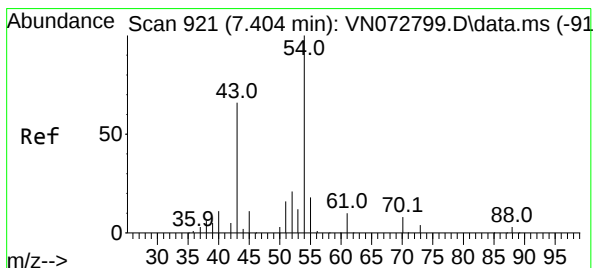
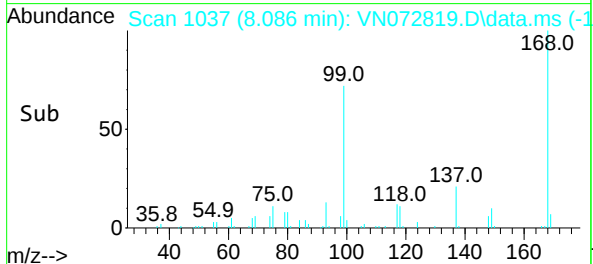
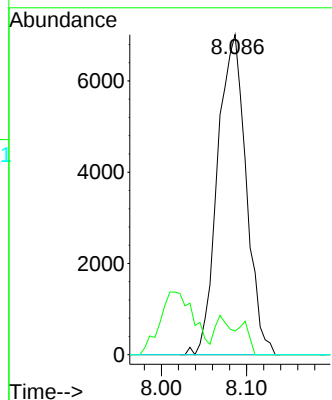
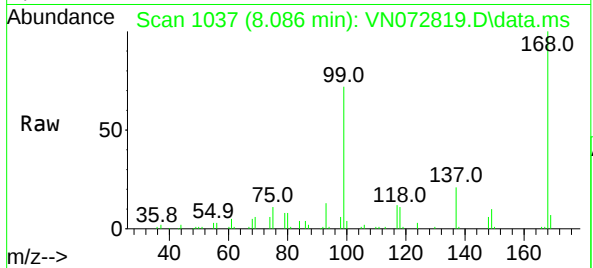




#36
1,1-Dichloropropene
Concen: 3.952 ug/l
RT: 8.086 min Scan# 11
Delta R.T. -0.130 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

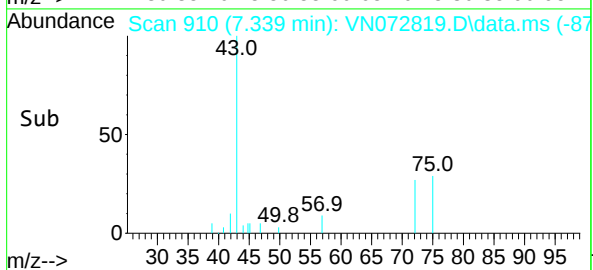
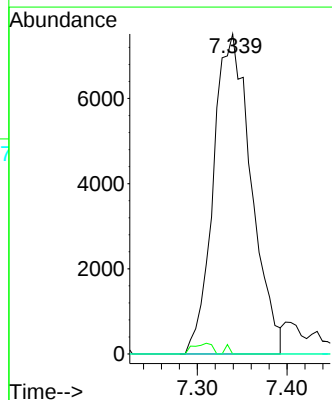
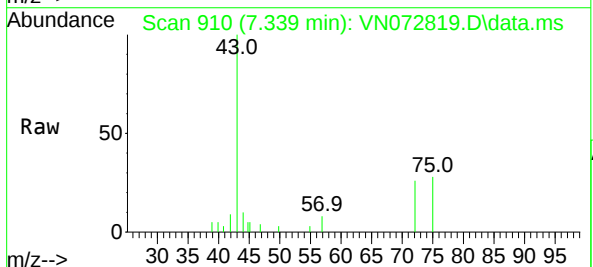
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

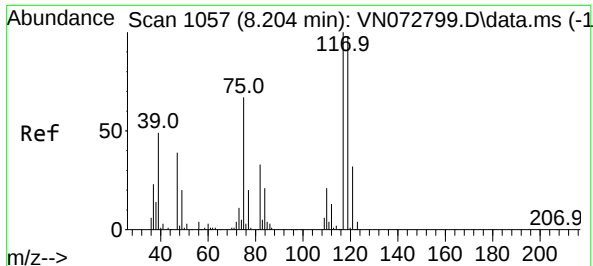
Tgt Ion: 75 Resp: 16295
Ion Ratio Lower Upper
75 100
110 4.6 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 3.499 ug/l
RT: 7.339 min Scan# 910
Delta R.T. -0.065 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

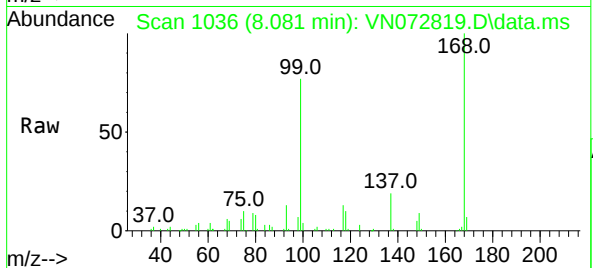
Tgt Ion: 43 Resp: 22043
Ion Ratio Lower Upper
43 100
61 0.4 11.8 17.6#
70 0.0 9.3 13.9#



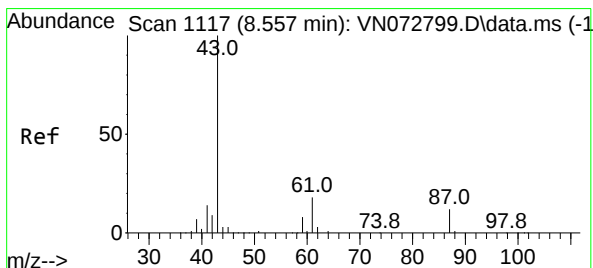
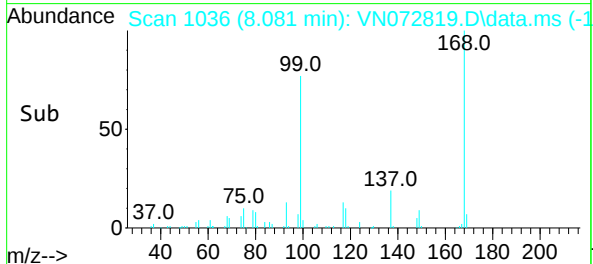
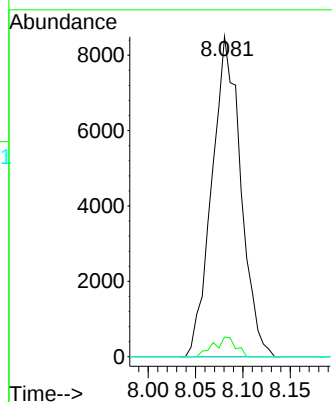


#38
Carbon Tetrachloride
Concen: 4.180 ug/l
RT: 8.081 min Scan# 1107
Delta R.T. -0.123 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

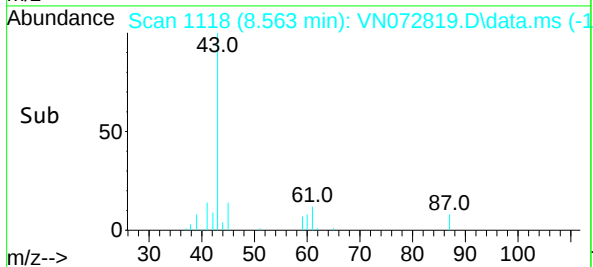
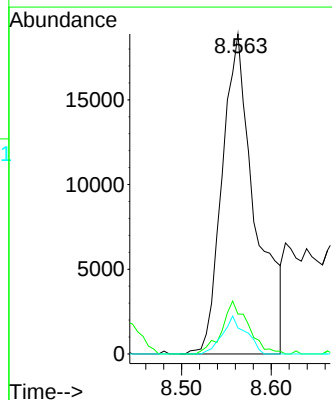
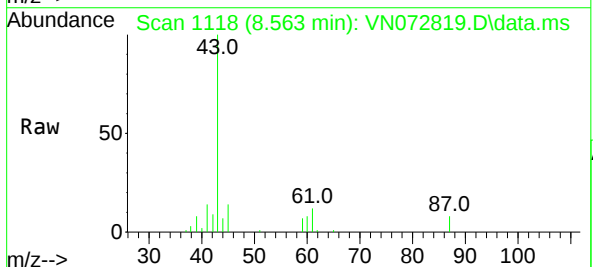


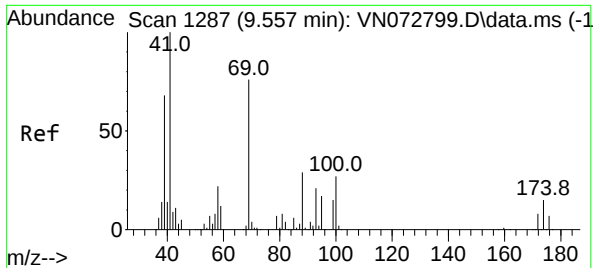
Tgt Ion:117 Resp: 18062
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 4.941 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

Tgt Ion: 43 Resp: 48178
Ion Ratio Lower Upper
43 100
61 13.2 21.9 32.9#
87 8.4 12.0 18.0#

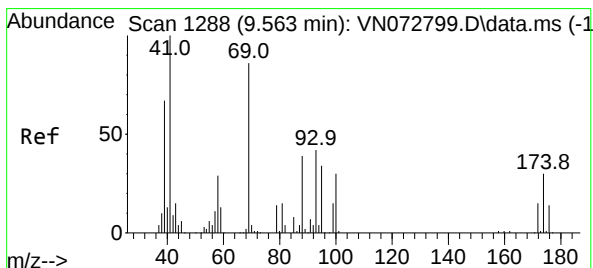
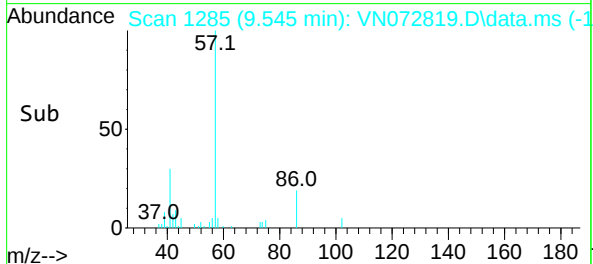
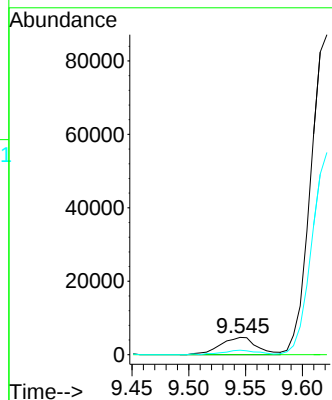
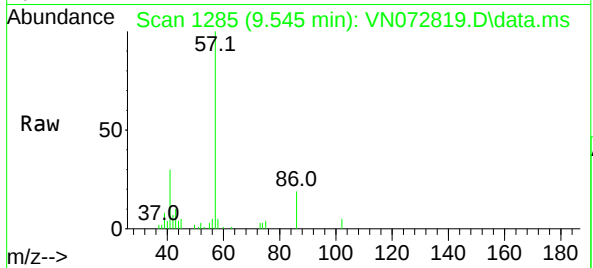




#48
Methyl methacrylate
Concen: 2.323 ug/l
RT: 9.545 min Scan# 1285
Delta R.T. -0.012 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

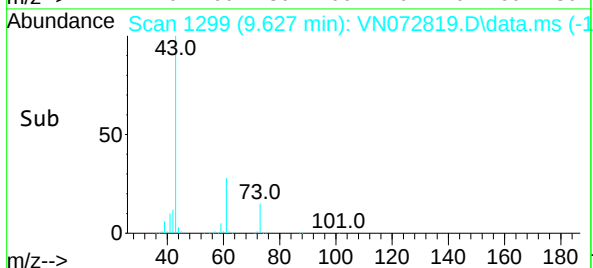
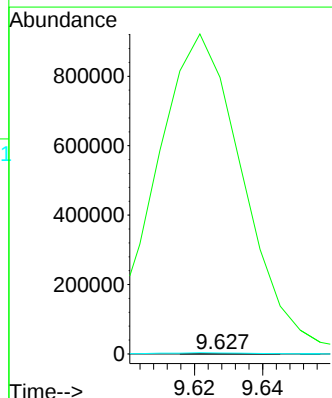
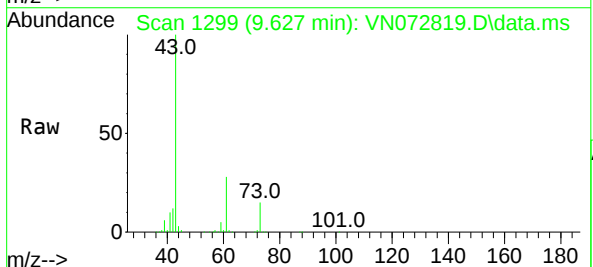
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

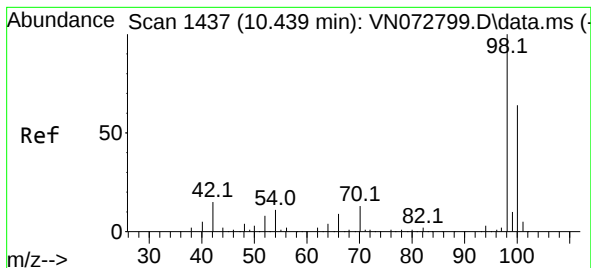
Tgt Ion: 41 Resp: 10510
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 1.436 ug/l
RT: 9.627 min Scan# 1299
Delta R.T. 0.064 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

Tgt Ion: 88 Resp: 111
Ion Ratio Lower Upper
88 100
43 1529818.9 20.2 30.4#
58 6203.6 54.2 81.4#

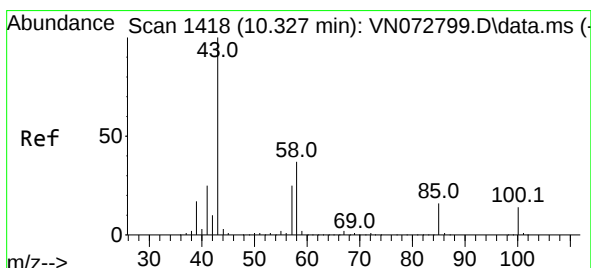
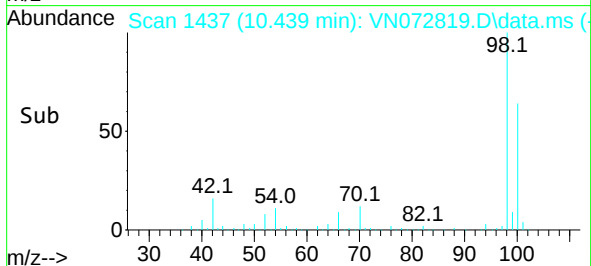
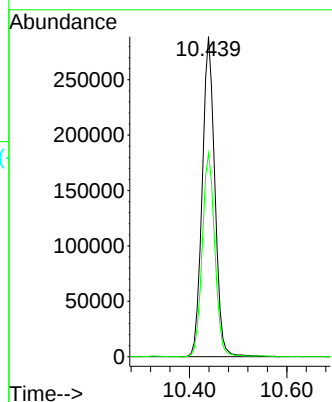
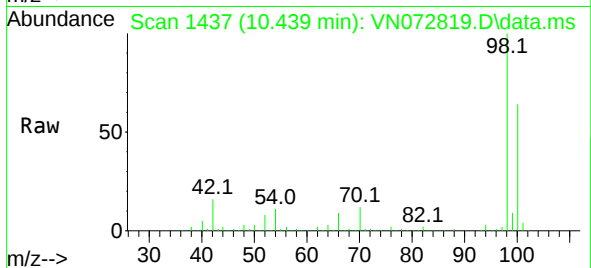




#50
Toluene-d8
Concen: 43.673 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

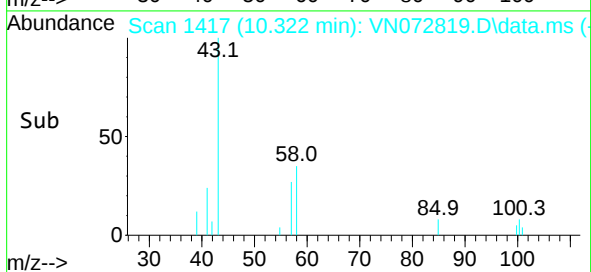
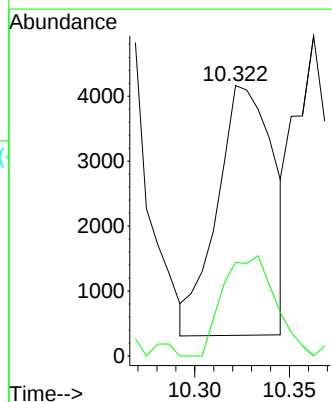
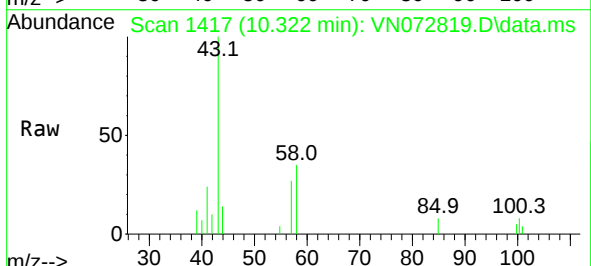
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

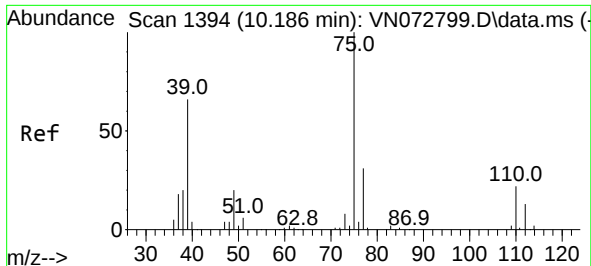
Tgt Ion: 98 Resp: 518947
Ion Ratio Lower Upper
98 100
100 63.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.226 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.005 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

Tgt Ion: 43 Resp: 7930
Ion Ratio Lower Upper
43 100
58 38.2 34.1 51.1

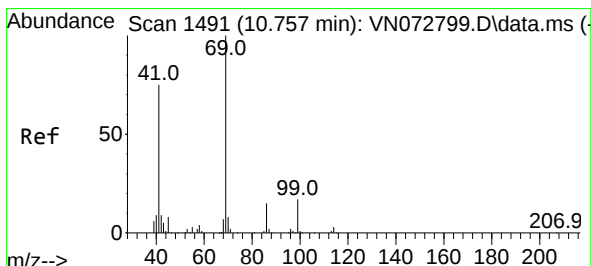
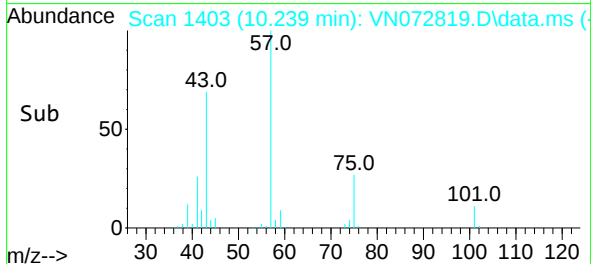
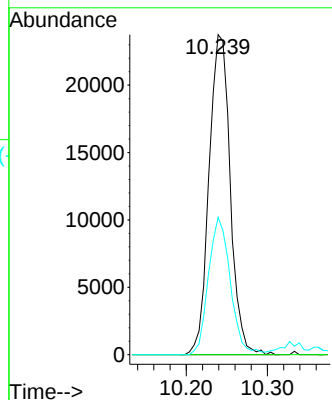
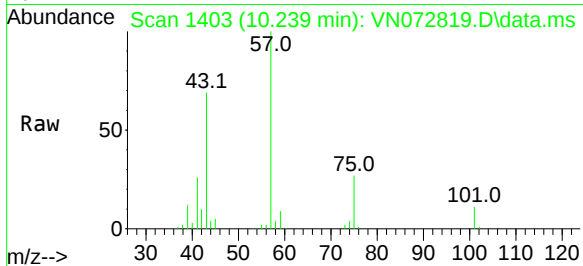




#54
 cis-1,3-Dichloropropene
 Concen: 7.974 ug/l
 RT: 10.239 min Scan# 14
 Delta R.T. 0.053 min
 Lab File: VN072819.D
 Acq: 14 Jun 2022 01:24

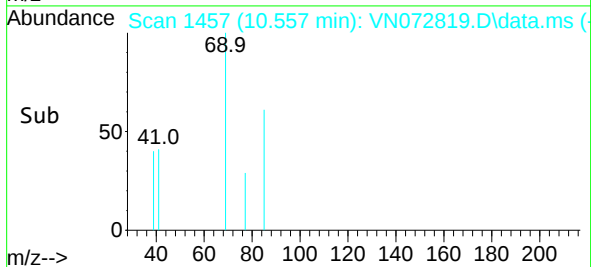
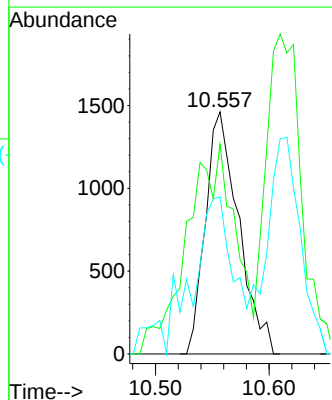
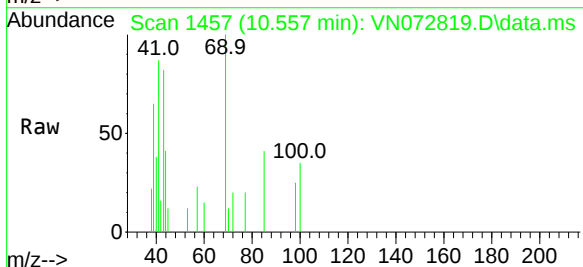
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-SO-20220609

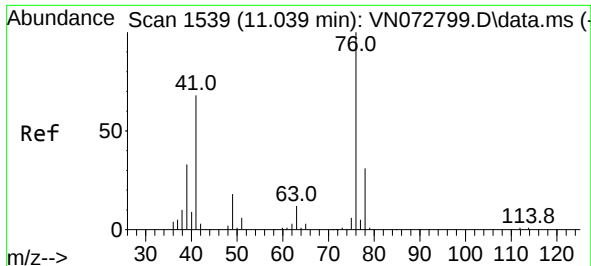
Tgt Ion: 75 Resp: 43020
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 42.9 35.7 53.5



#56
 Ethyl methacrylate
 Concen: 0.515 ug/l
 RT: 10.557 min Scan# 1457
 Delta R.T. -0.200 min
 Lab File: VN072819.D
 Acq: 14 Jun 2022 01:24

Tgt Ion: 69 Resp: 2954
 Ion Ratio Lower Upper
 69 100
 41 75.4 47.8 71.6#
 39 78.2 27.3 40.9#





#57

1,3-Dichloropropane

Concen: 2.946 ug/l

RT: 11.092 min Scan# 1548

Delta R.T. 0.053 min

Lab File: VN072819.D

Acq: 14 Jun 2022 01:24

Instrument :

MSVOA_N

ClientSampleId :

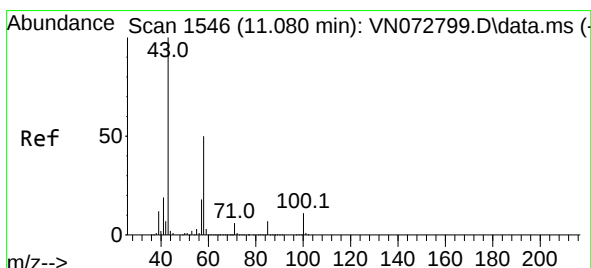
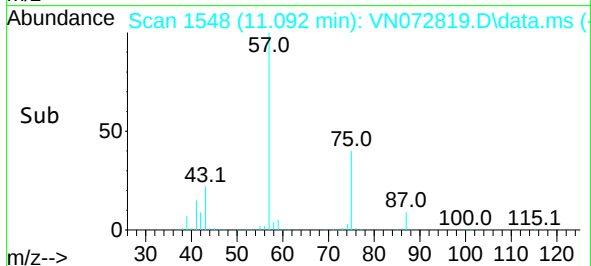
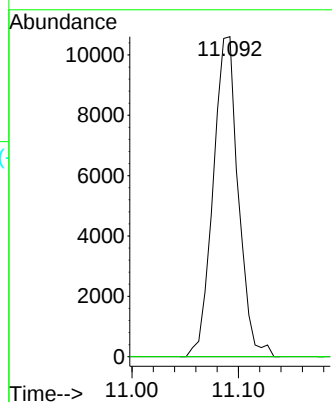
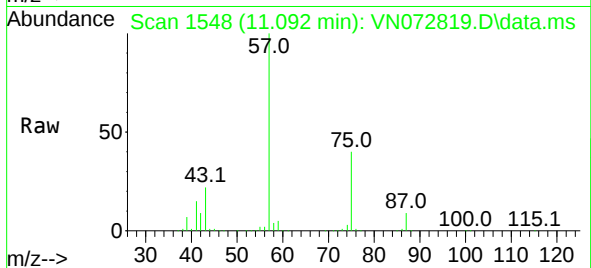
WC-SO-20220609

Tgt Ion: 76 Resp: 17378

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 63.046 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN072819.D

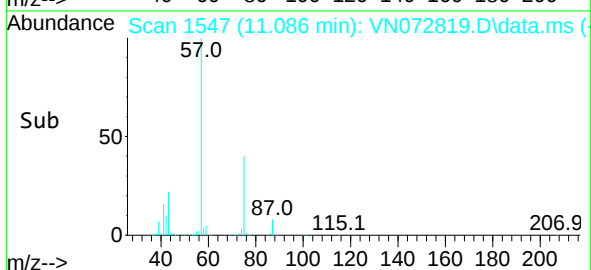
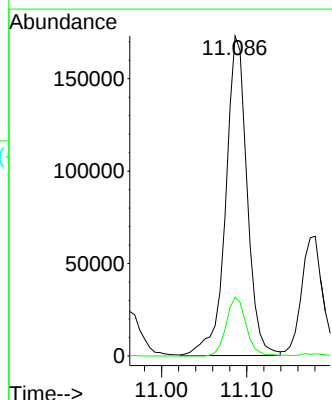
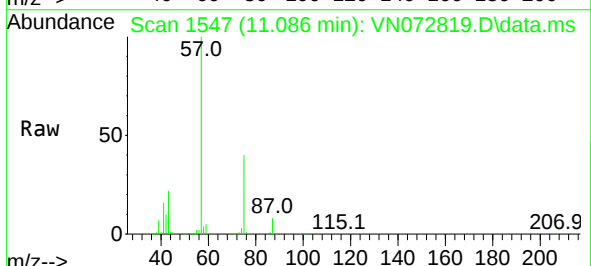
Acq: 14 Jun 2022 01:24

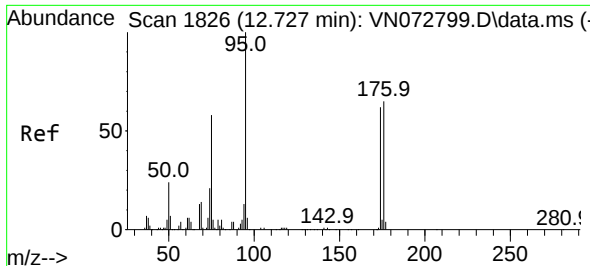
Tgt Ion: 43 Resp: 302064

Ion Ratio Lower Upper

43 100

58 17.2 29.7 89.1#

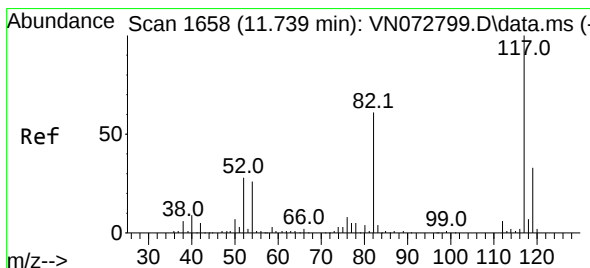
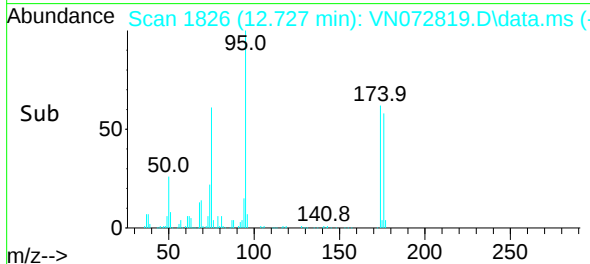
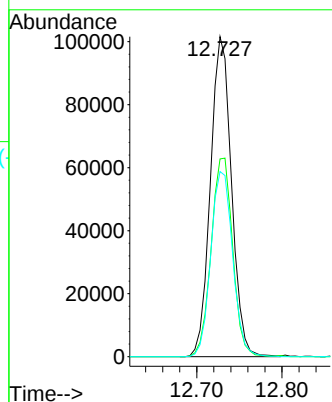
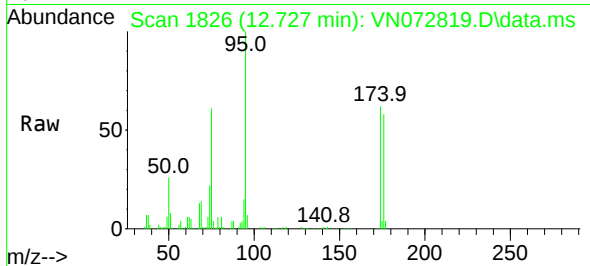




#62
4-Bromofluorobenzene
Concen: 41.538 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

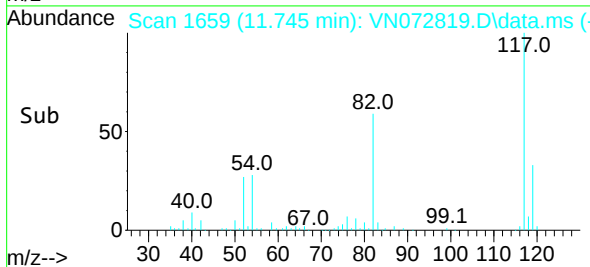
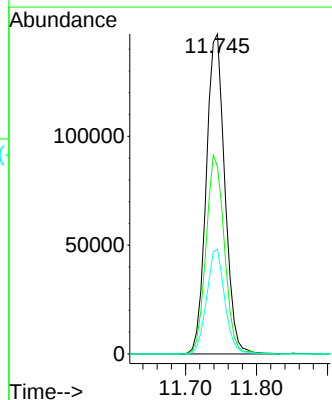
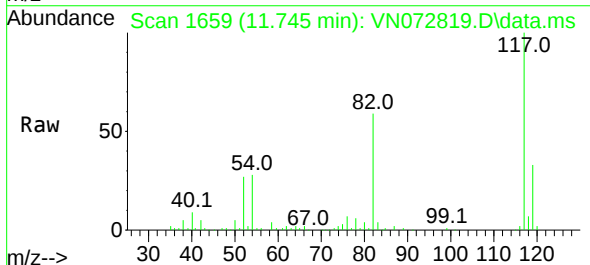
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

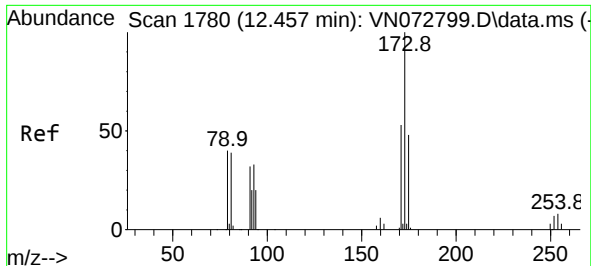
Tgt Ion: 95 Resp: 174422
Ion Ratio Lower Upper
95 100
174 63.4 0.0 167.6
176 60.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

Tgt Ion: 117 Resp: 266872
Ion Ratio Lower Upper
117 100
82 58.6 44.2 66.2
119 32.7 25.4 38.0

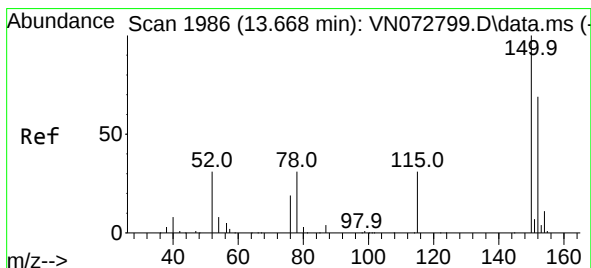
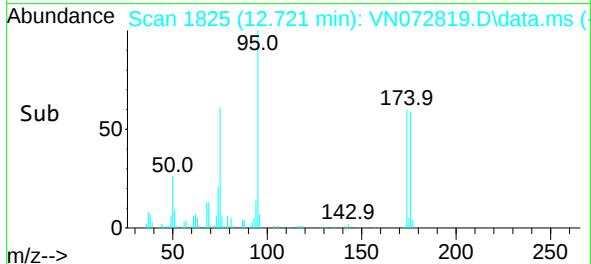
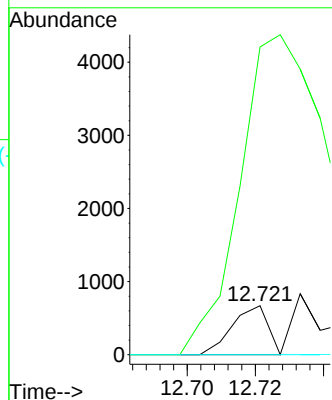
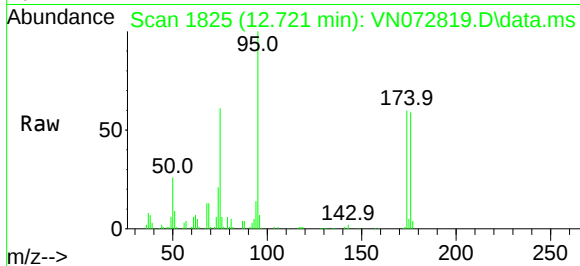




#71
Bromoform
Concen: 0.251 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

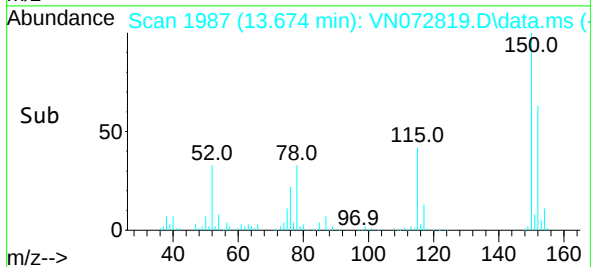
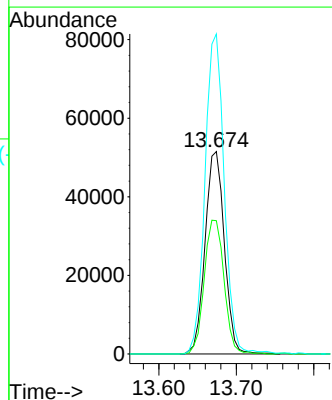
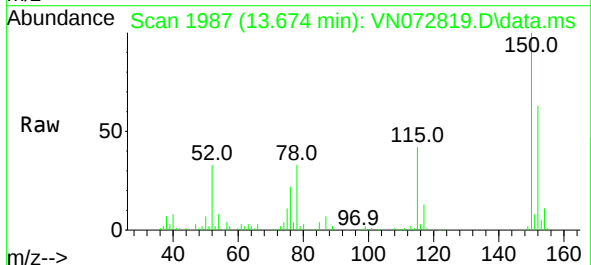
Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

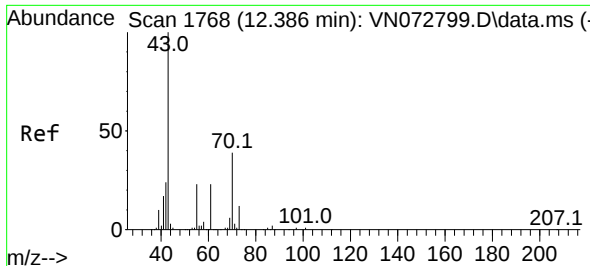
Tgt Ion:173 Resp: 489
Ion Ratio Lower Upper
173 100
175 1157.5 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

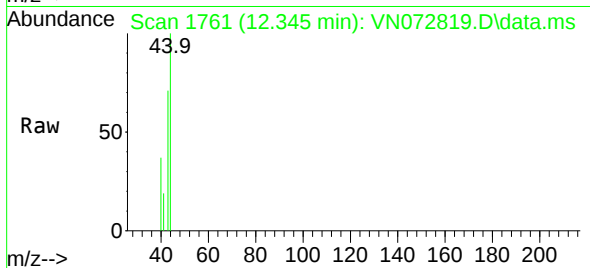
Tgt Ion:152 Resp: 89202
Ion Ratio Lower Upper
152 100
115 67.9 28.9 86.7
150 157.7 0.0 356.2



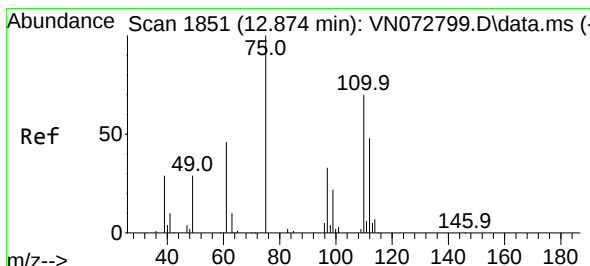
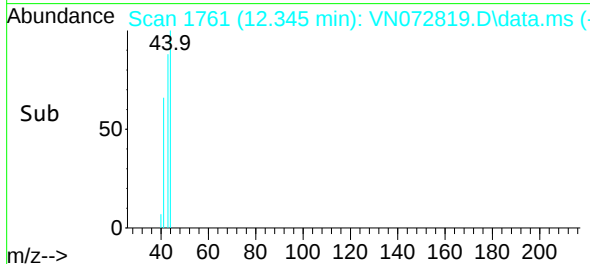
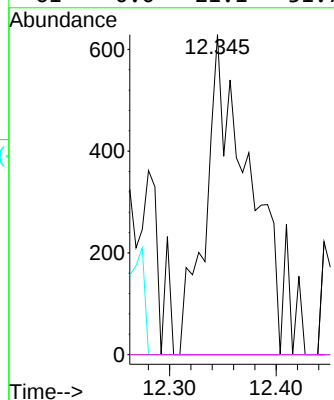


#74
N-amy1 acetate
Concen: 0.403 ug/l
RT: 12.345 min Scan# 1756
Delta R.T. -0.041 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

Instrument :
MSVOA_N
ClientSampleId :
WC-SO-20220609

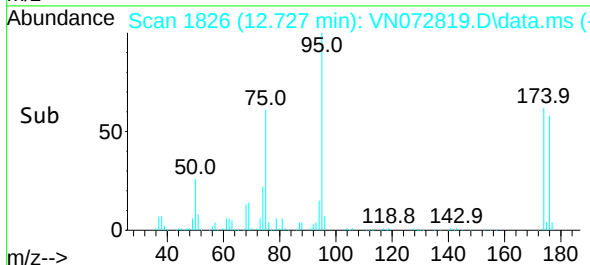
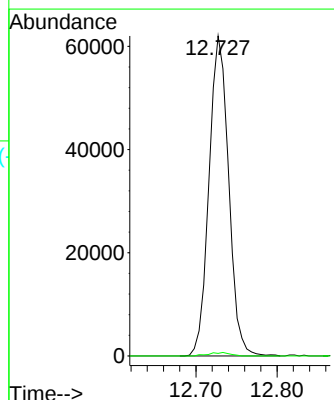
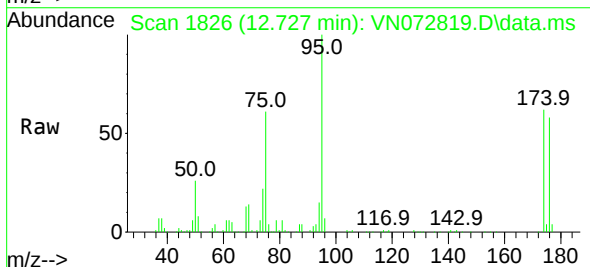


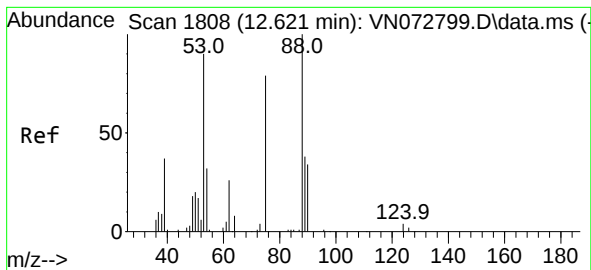
Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	0.0	21.1	31.7#
61	0.0	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 34.015 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072819.D
Acq: 14 Jun 2022 01:24

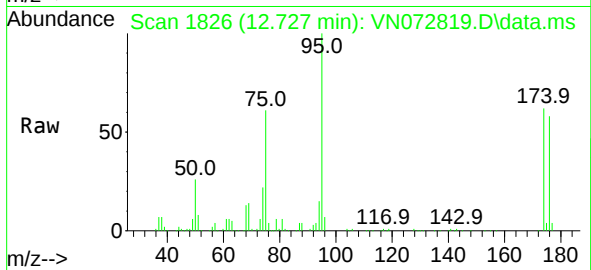
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	98.5	295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.674 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. 0.106 min
 Lab File: VN072819.D
 Acq: 14 Jun 2022 01:24

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-SO-20220609



Tgt Ion: 75 Resp: 104139
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.1 37.2 55.8#

