

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061322\
 Data File : VN072821.D
 Acq On : 14 Jun 2022 02:12
 Operator : JC\MD
 Sample : N3304-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-10-G

Quant Time: Jun 14 05:24:31 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)

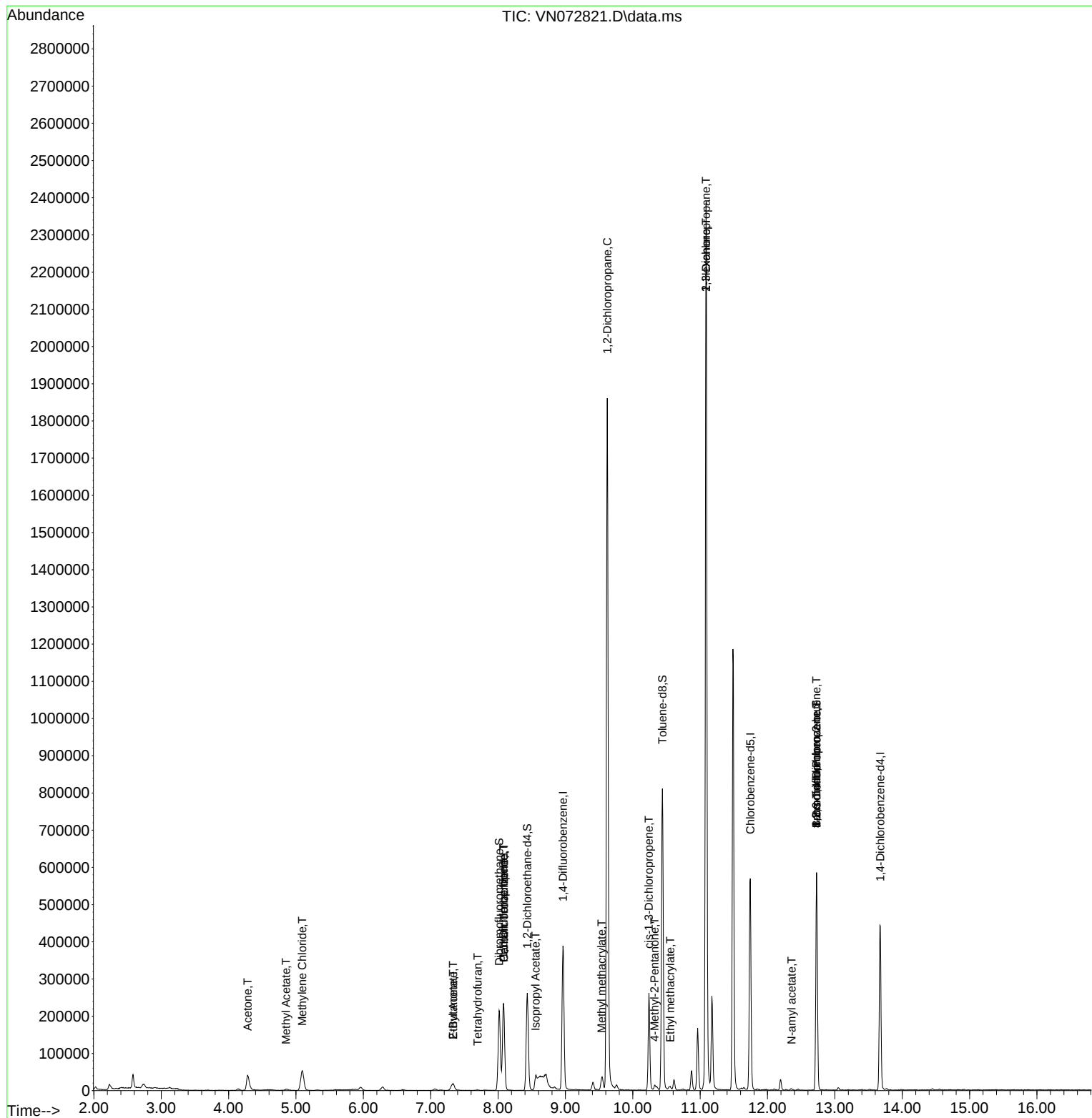
Internal Standards						
1) Pentafluorobenzene	8.086	168	148391	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	307996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	292495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	106070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	217691	52.396	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.800%			
35) Dibromofluoromethane	8.016	113	150284	48.993	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.980%			
50) Toluene-d8	10.439	98	527379	42.811	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 85.620%			
62) 4-Bromofluorobenzene	12.727	95	194670	44.718	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.440%			
Target Compounds						
						Qvalue
3) Chloromethane	2.293	50	381	Below Cal	#	43
6) Chloroethane	3.010	64	472	Below Cal	#	42
13) Acrolein	4.051	56	99	Below Cal	#	16
16) Acetone	4.281	43	79961	42.380	ug/l #	87
17) Carbon Disulfide	4.534	76	982	Below Cal	#	75
18) Methyl Acetate	4.851	43	7940	1.601	ug/l #	82
20) Methylene Chloride	5.093	84	39140	14.312	ug/l #	80
25) 2-Butanone	7.334	43	27595	9.325	ug/l #	81
29) Tetrahydrofuran	7.698	42	779	0.425	ug/l #	43
31) Cyclohexane	8.081	56	6145	Below Cal	#	31
36) 1,1-Dichloropropene	8.081	75	16890	3.952	ug/l #	50
37) Ethyl Acetate	7.334	43	27595	4.226	ug/l #	67
38) Carbon Tetrachloride	8.086	117	18672	4.168	ug/l #	16
43) Isopropyl Acetate	8.557	43	56111	5.550	ug/l #	72
45) 1,2-Dichloropropane	9.622	63	2038	0.572	ug/l #	44
48) Methyl methacrylate	9.539	41	10879	2.319	ug/l #	26
51) 4-Methyl-2-Pentanone	10.322	43	8174	1.219	ug/l	98
54) cis-1,3-Dichloropropene	10.239	75	42186	7.542	ug/l #	72
56) Ethyl methacrylate	10.557	69	4293	0.722	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	23388	3.824	ug/l #	42
59) 2-Hexanone	11.086	43	392461	79.012	ug/l #	43
71) Bromoform	12.727	173	1099	0.514	ug/l #	1
74) N-amyl acetate	12.357	43	3893	0.751	ug/l #	40
76) 1,2,3-Trichloropropane	12.727	75	116736	32.066	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	116736	97.734	ug/l #	10

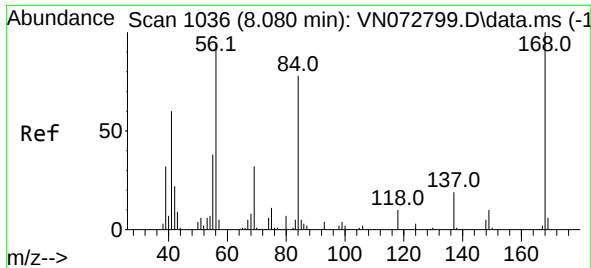
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

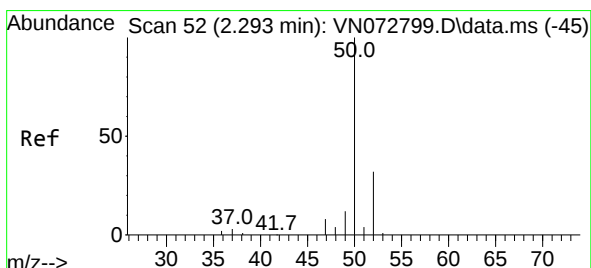
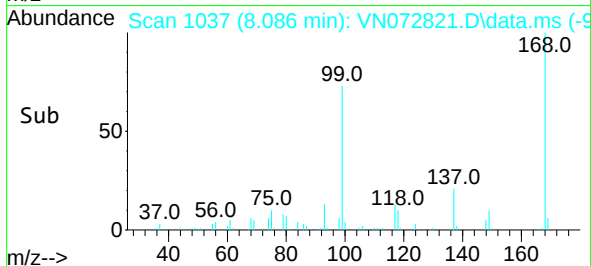
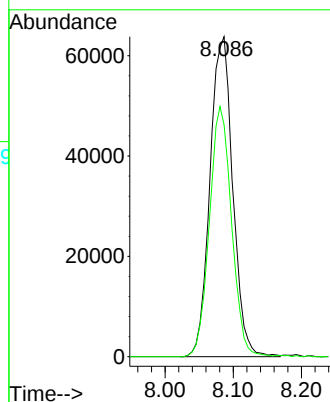
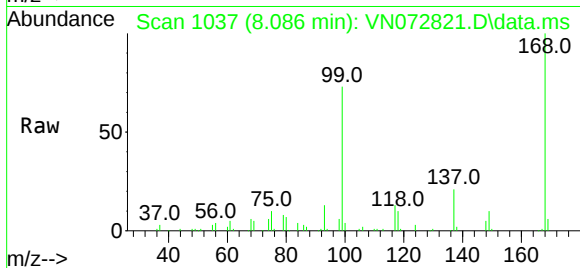




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

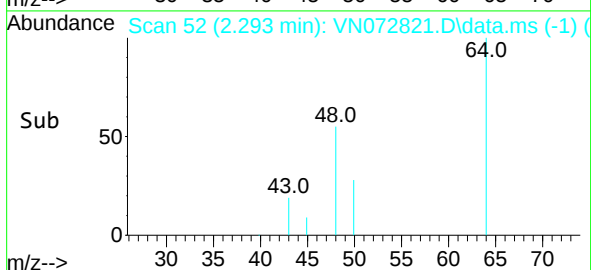
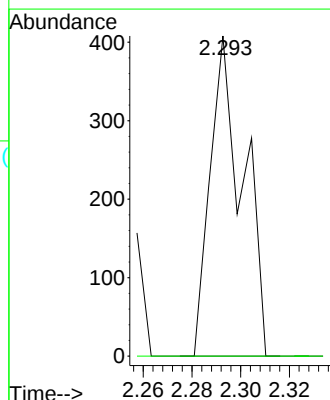
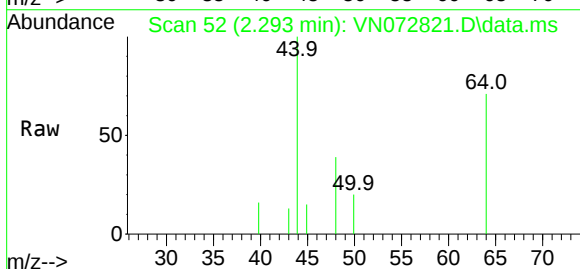
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

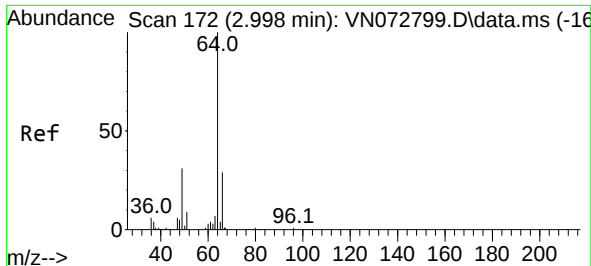
Tgt Ion:168 Resp: 148391
Ion Ratio Lower Upper
168 100
99 72.5 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

Tgt Ion: 50 Resp: 381
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

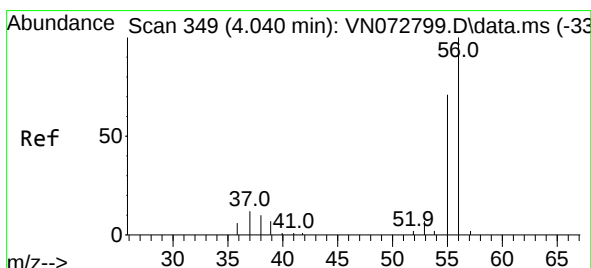
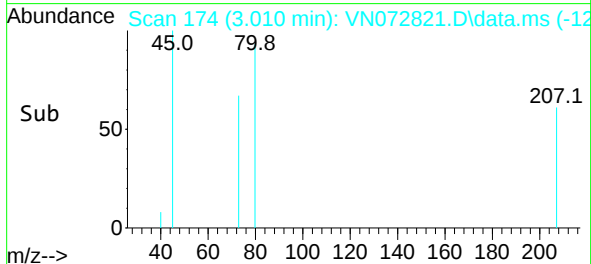
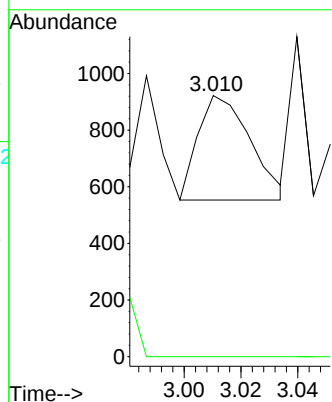
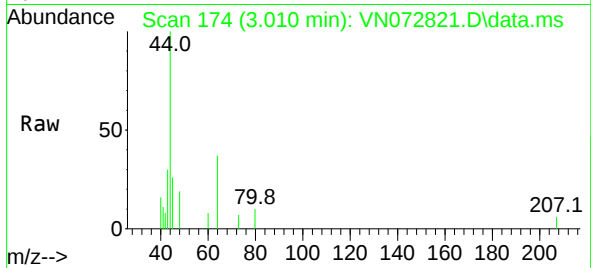




#6
Chloroethane
Concen: Below Cal
RT: 3.010 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

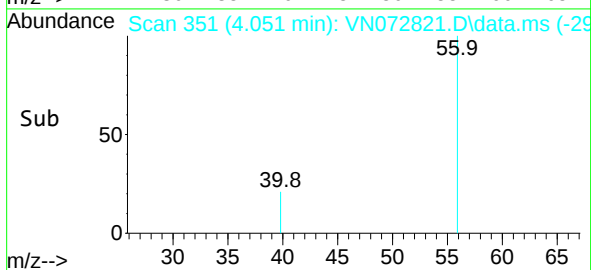
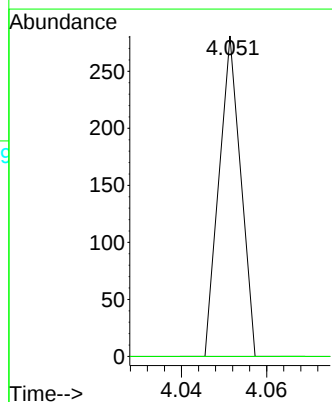
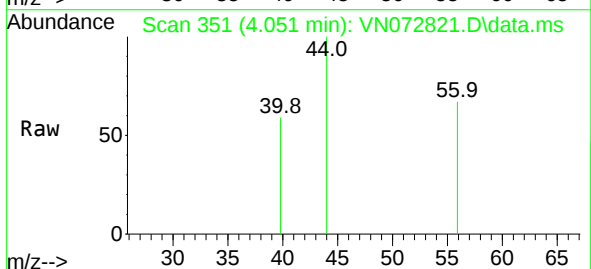
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

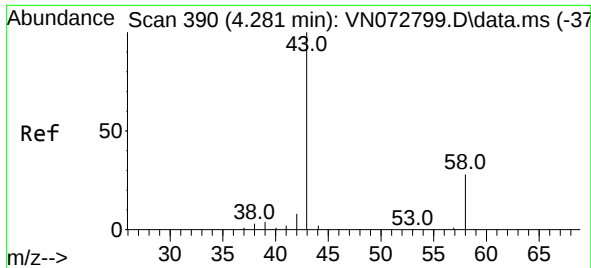
Tgt Ion: 64 Resp: 472
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#13
Acrolein
Concen: Below Cal
RT: 4.051 min Scan# 351
Delta R.T. 0.011 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

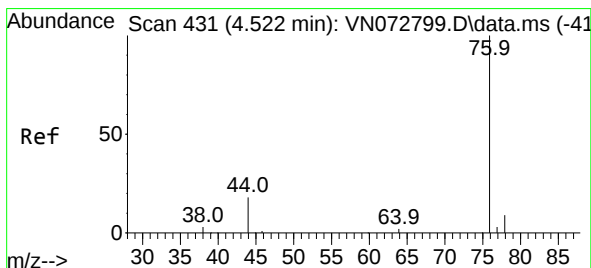
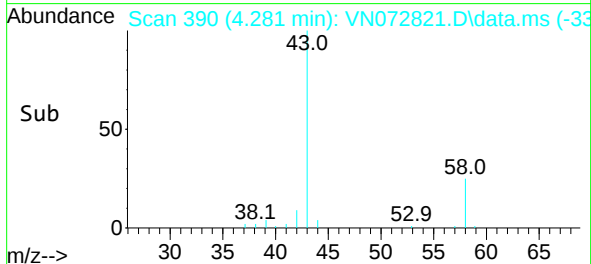
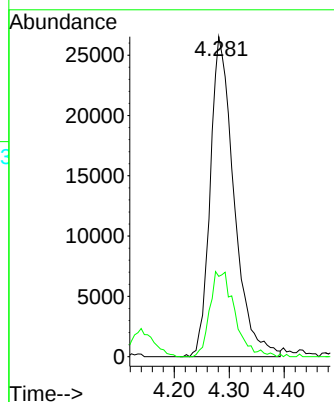
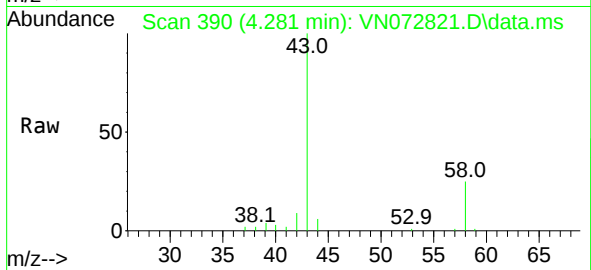




#16
Acetone
Concen: 42.380 ug/l
RT: 4.281 min Scan# 390
Delta R.T. -0.000 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

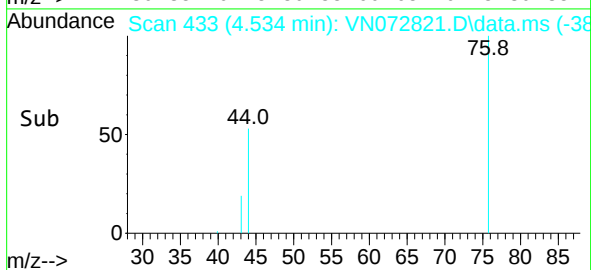
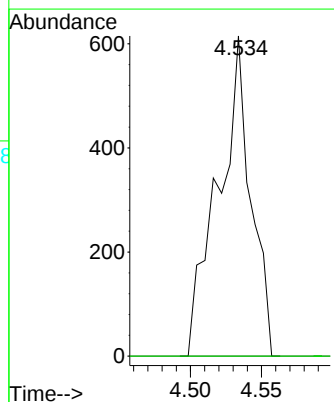
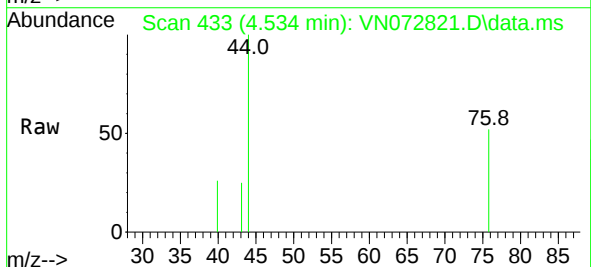
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

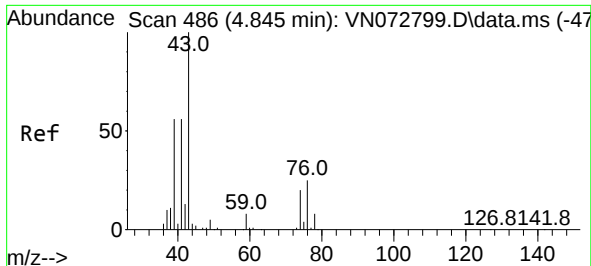
Tgt Ion: 43 Resp: 79961
Ion Ratio Lower Upper
43 100
58 25.1 26.0 39.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.534 min Scan# 433
Delta R.T. 0.012 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

Tgt Ion: 76 Resp: 982
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

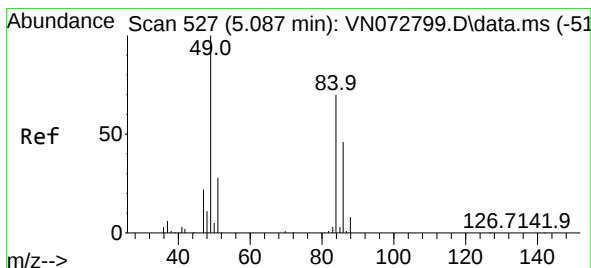
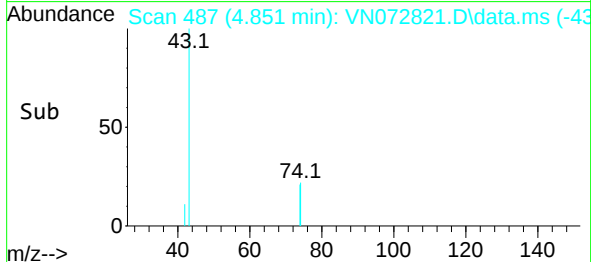
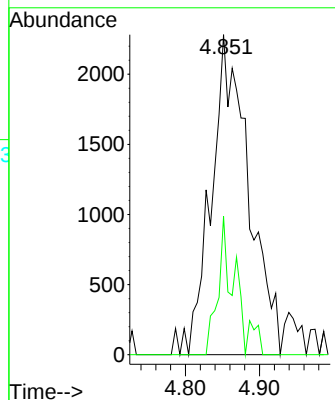
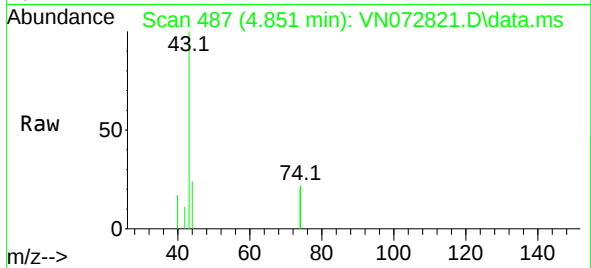




#18
Methyl Acetate
Concen: 1.601 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.006 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

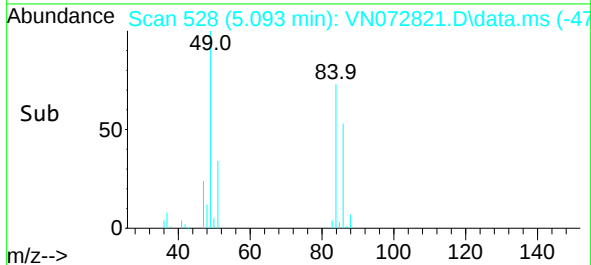
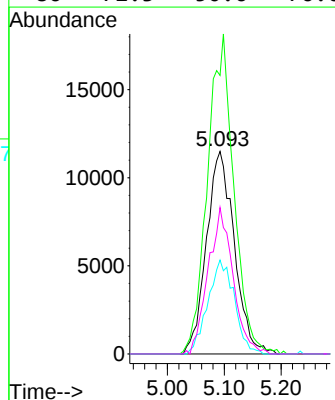
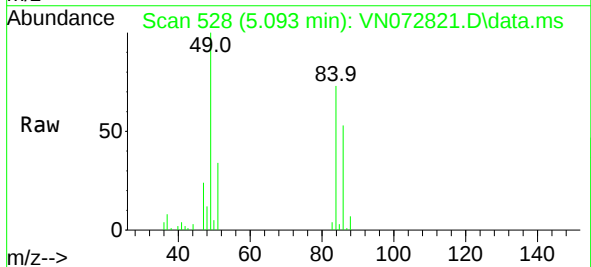
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

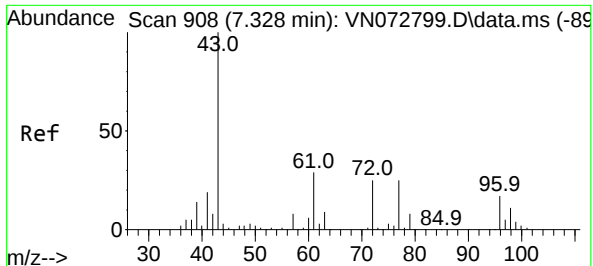
Tgt Ion: 43 Resp: 7940
Ion Ratio Lower Upper
43 100
74 17.6 21.6 32.4#



#20
Methylene Chloride
Concen: 14.312 ug/l
RT: 5.093 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

Tgt Ion: 84 Resp: 39140
Ion Ratio Lower Upper
84 100
49 137.5 88.3 132.5#
51 46.3 28.2 42.2#
86 72.3 50.6 76.0





#25

2-Butanone

Concen: 9.325 ug/l

RT: 7.334 min Scan# 908

Delta R.T. 0.006 min

Lab File: VN072821.D

Acq: 14 Jun 2022 02:12

Instrument :

MSVOA_N

ClientSampleId :

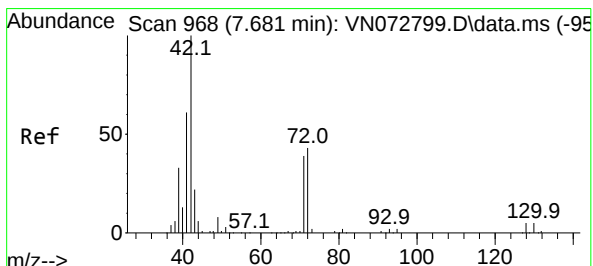
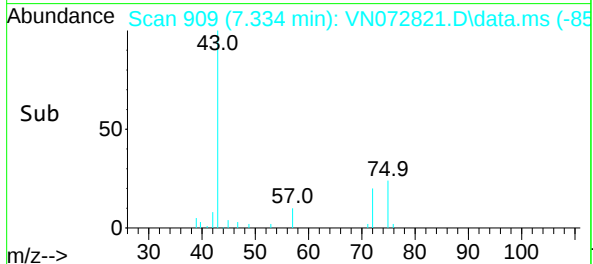
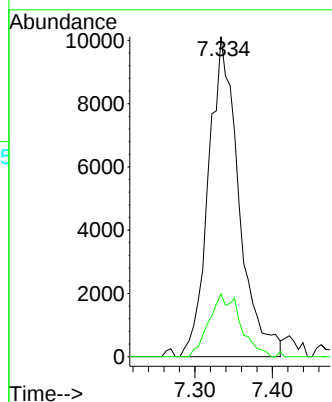
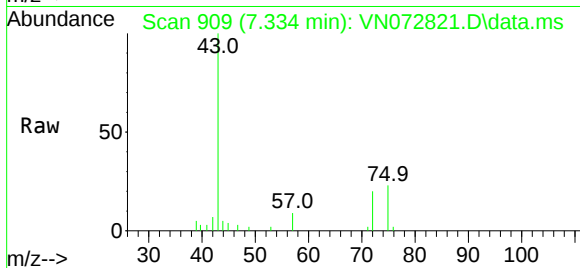
WC-14A-1A-10-G

Tgt Ion: 43 Resp: 27595

Ion Ratio Lower Upper

43 100

72 19.6 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.425 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.017 min

Lab File: VN072821.D

Acq: 14 Jun 2022 02:12

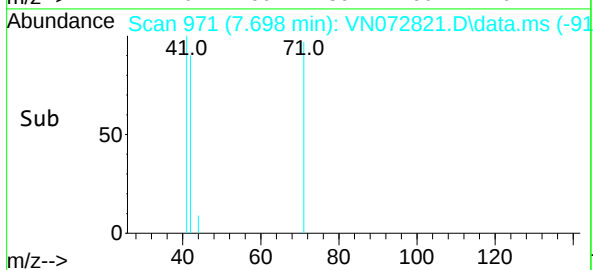
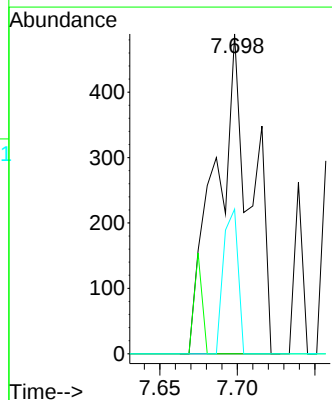
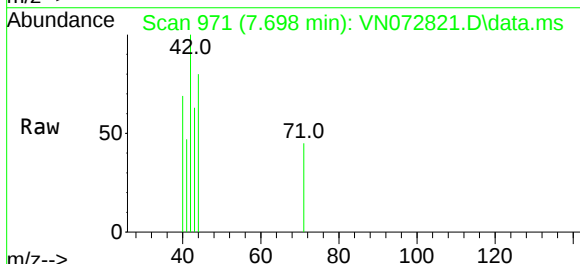
Tgt Ion: 42 Resp: 779

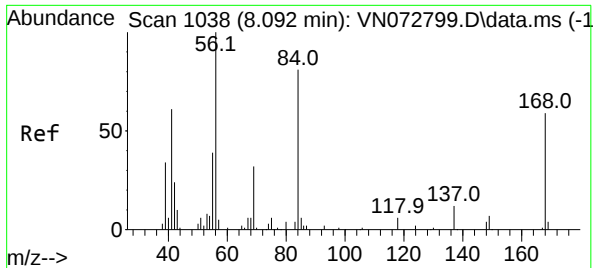
Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 18.6 36.6 55.0#

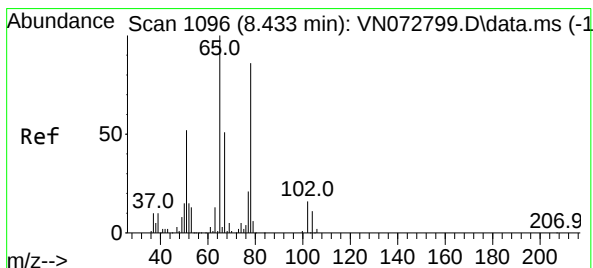
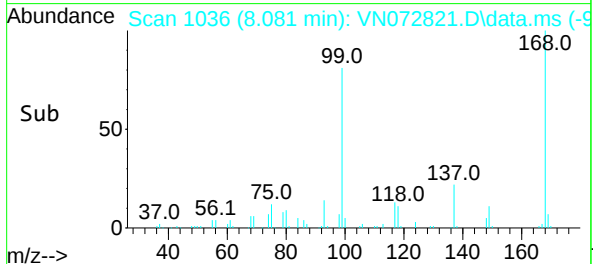
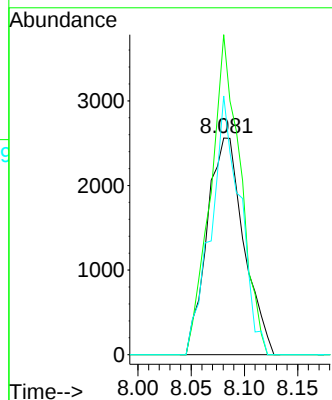
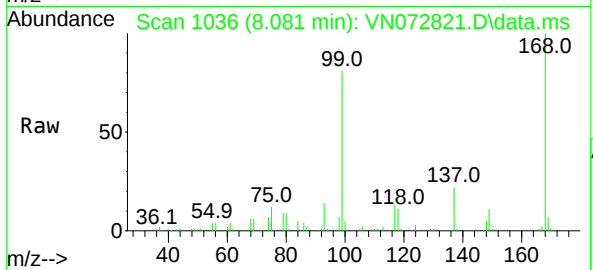




#31
Cyclohexane
Concen: Below Cal
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

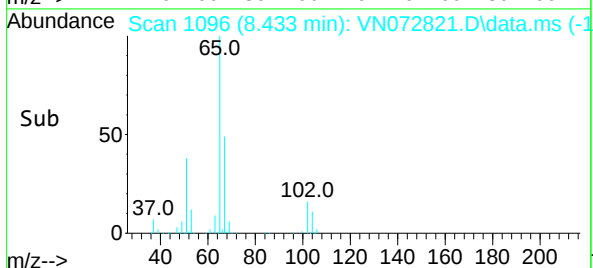
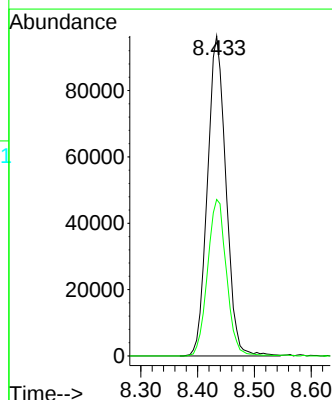
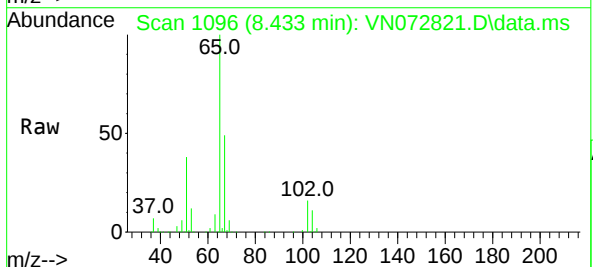
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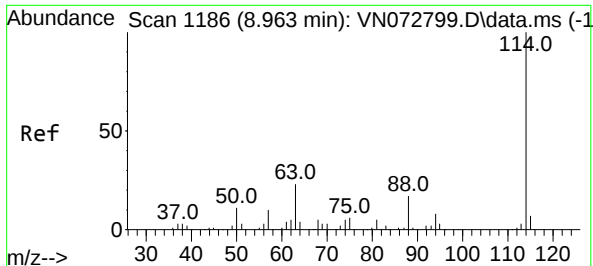
Tgt Ion: 56 Resp: 6145
Ion Ratio Lower Upper
56 100
69 147.7 27.8 41.8#
84 119.4 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 52.396 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

Tgt Ion: 65 Resp: 217691
Ion Ratio Lower Upper
65 100
67 50.1 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: VN072821.D

Acq: 14 Jun 2022 02:12

Instrument :

MSVOA_N

ClientSampleId :

WC-14A-1A-10-G

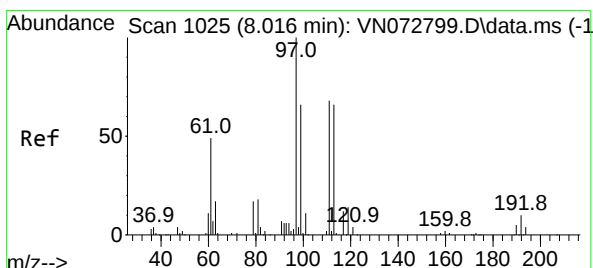
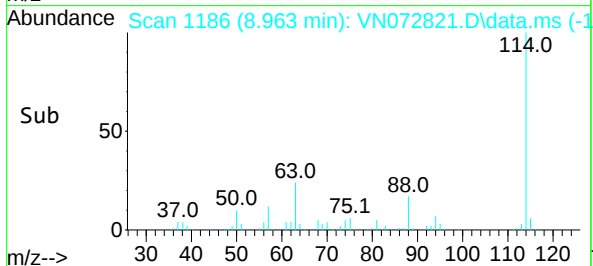
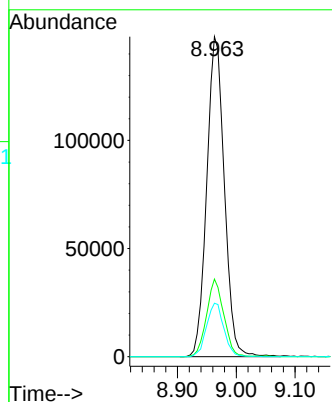
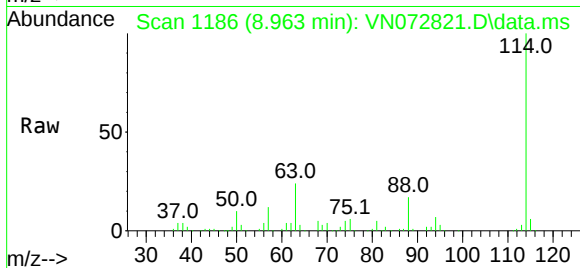
Tgt Ion:114 Resp: 307996

Ion Ratio Lower Upper

114 100

63 24.3 0.0 40.0

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.993 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072821.D

Acq: 14 Jun 2022 02:12

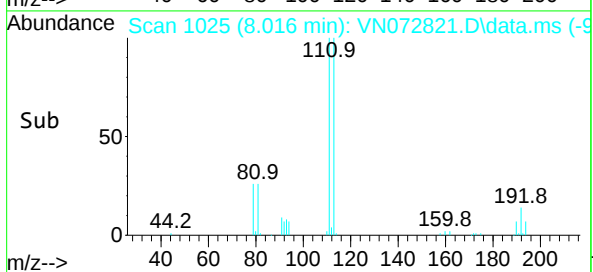
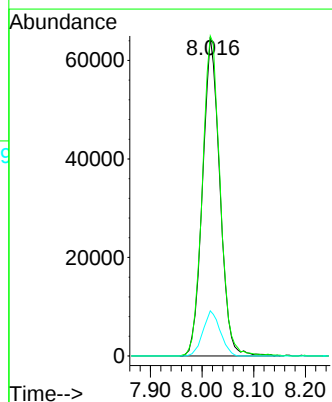
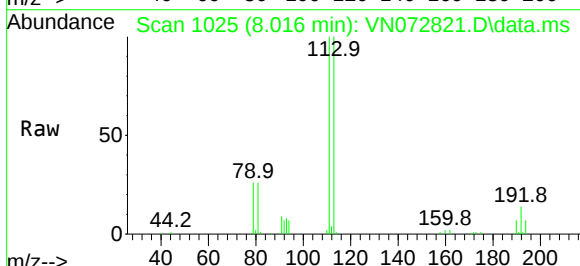
Tgt Ion:113 Resp: 150284

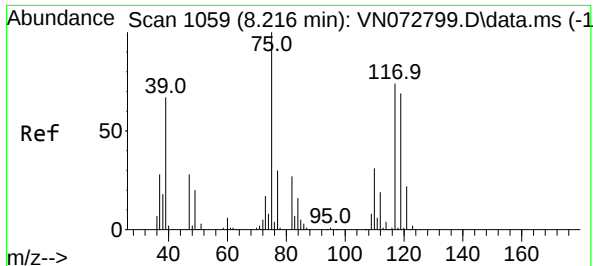
Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

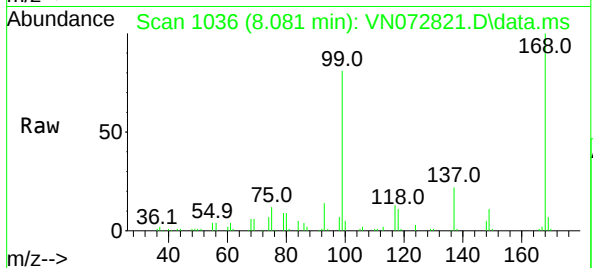
192 14.1 17.0 25.6#



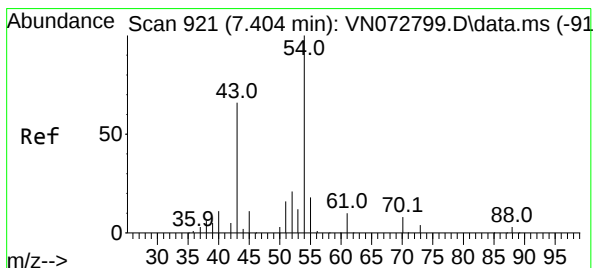
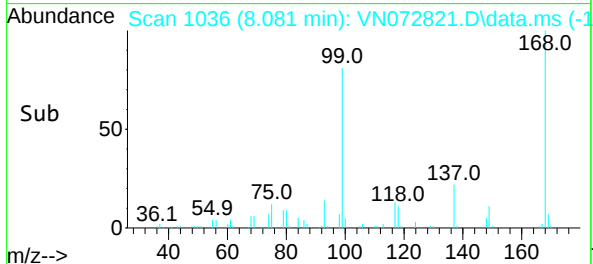
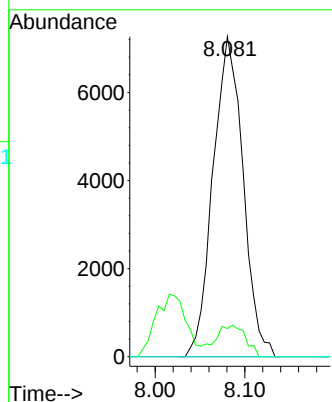


#36
1,1-Dichloropropene
Concen: 3.952 ug/l
RT: 8.081 min Scan# 1
Delta R.T. -0.135 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

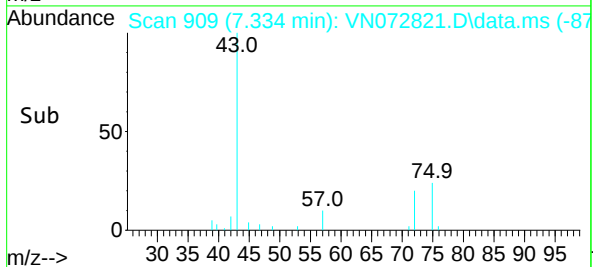
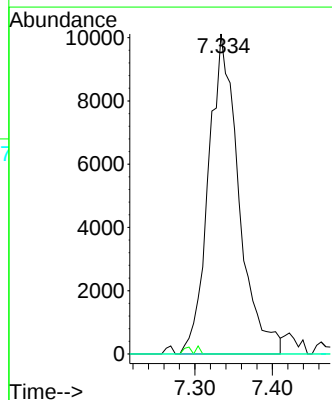
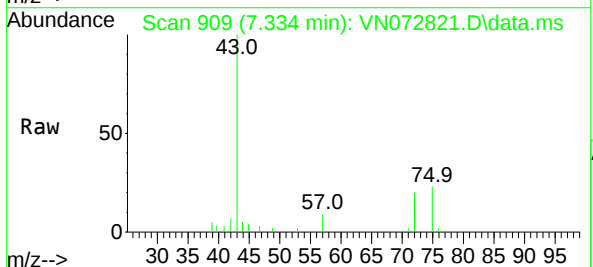


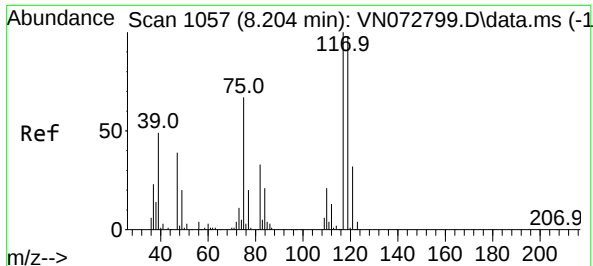
Tgt Ion: 75 Resp: 16890
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 4.226 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.070 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

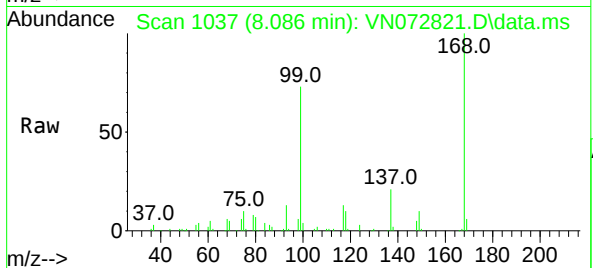
Tgt Ion: 43 Resp: 27595
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



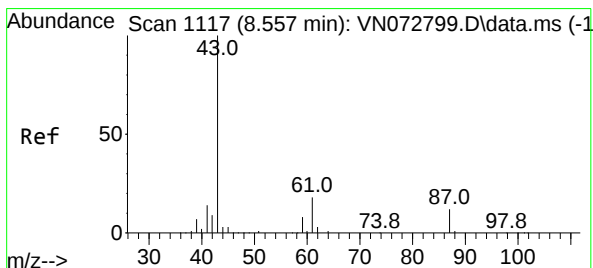
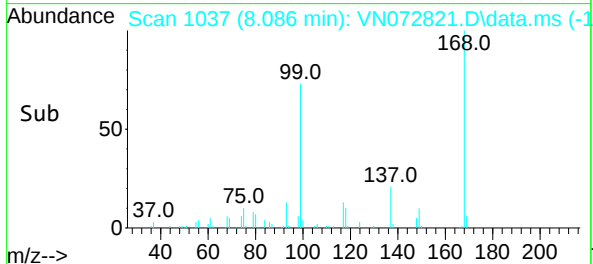
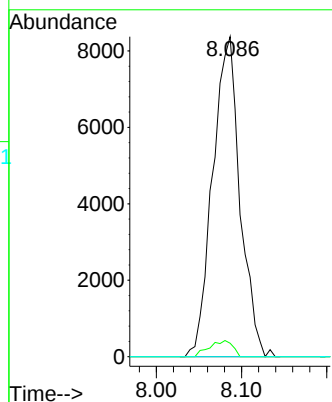


#38
Carbon Tetrachloride
Concen: 4.168 ug/l
RT: 8.086 min Scan# 1107
Delta R.T. -0.118 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

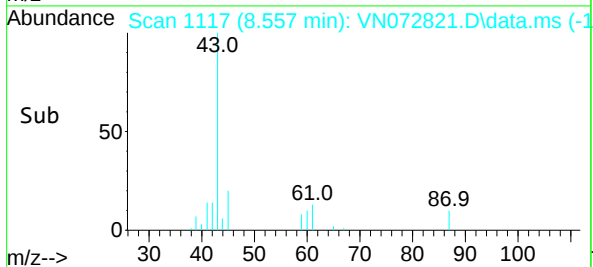
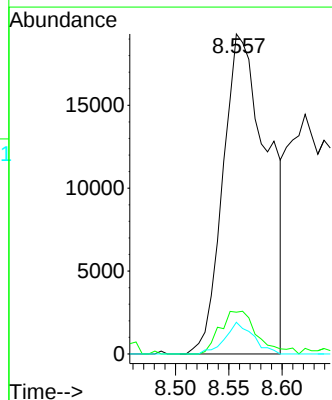
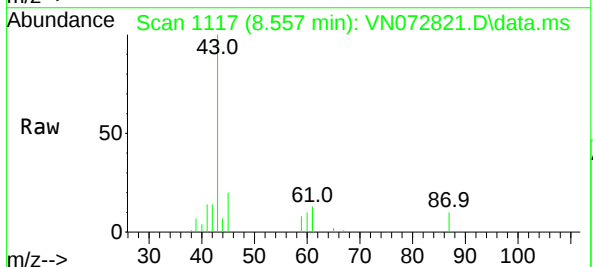


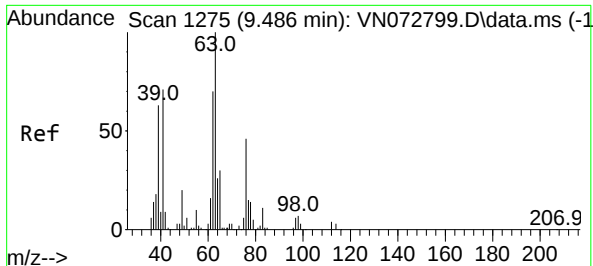
Tgt Ion:117 Resp: 18672
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 5.550 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

Tgt Ion: 43 Resp: 56111
Ion Ratio Lower Upper
43 100
61 11.2 21.9 32.9#
87 6.3 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.572 ug/l

RT: 9.622 min Scan# 1

Delta R.T. 0.136 min

Lab File: VN072821.D

Acq: 14 Jun 2022 02:12

Instrument :

MSVOA_N

ClientSampleId :

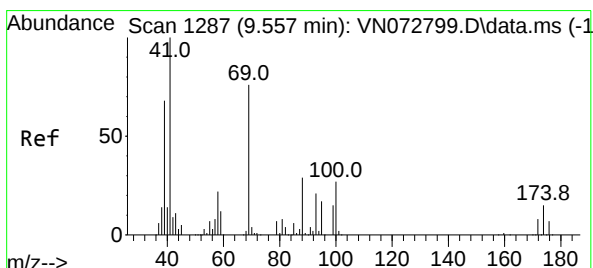
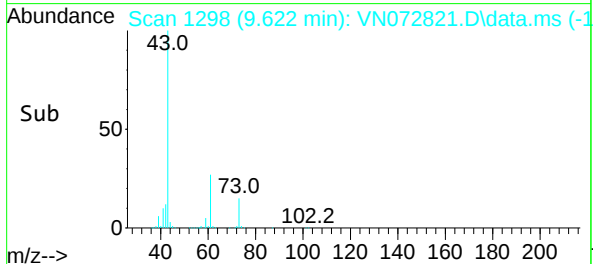
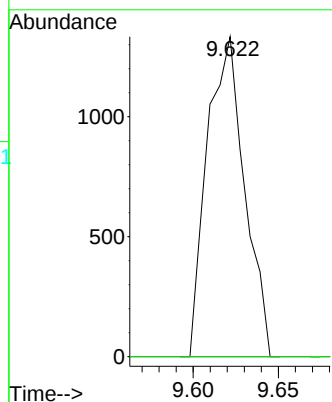
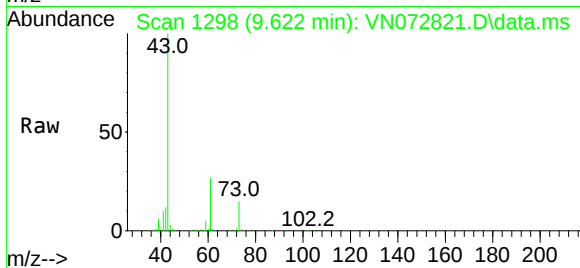
WC-14A-1A-10-G

Tgt Ion: 63 Resp: 2038

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.319 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.018 min

Lab File: VN072821.D

Acq: 14 Jun 2022 02:12

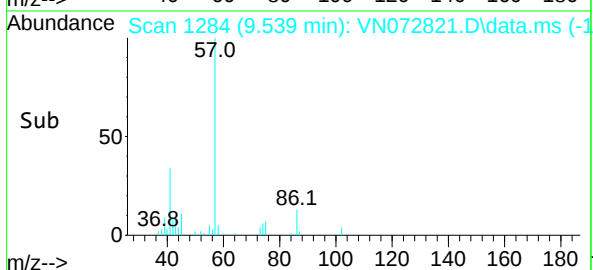
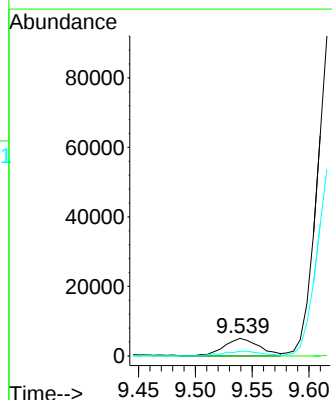
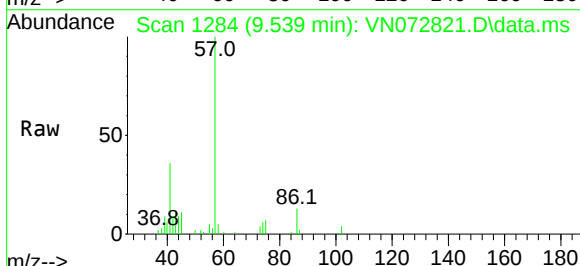
Tgt Ion: 41 Resp: 10879

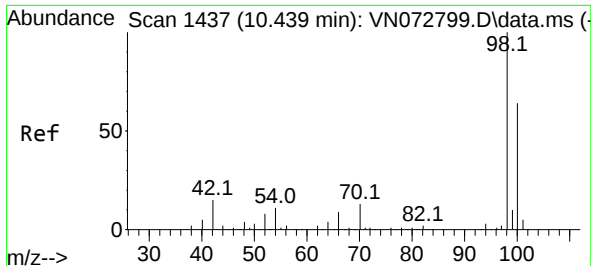
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 30.1 45.6 68.4#

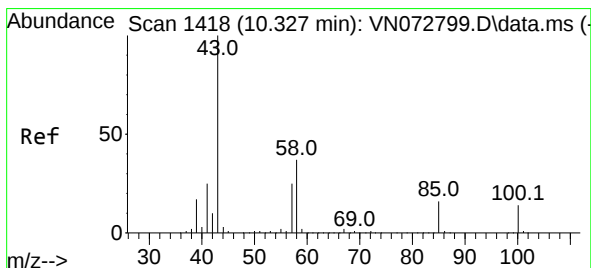
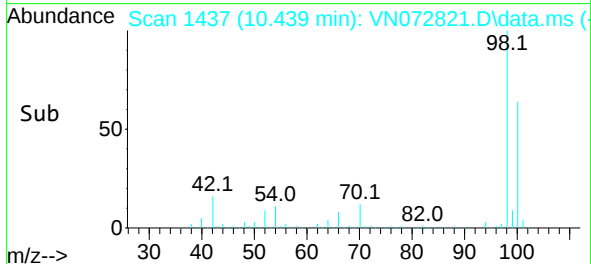
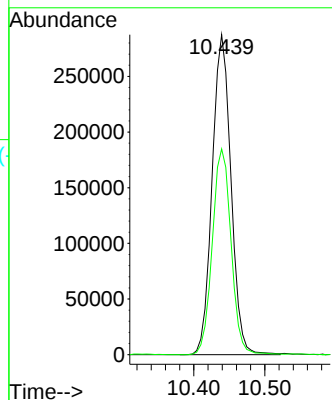
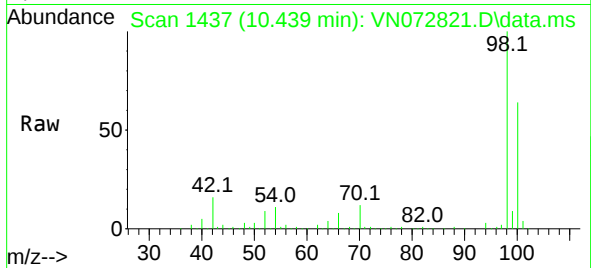




#50
Toluene-d8
Concen: 42.811 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

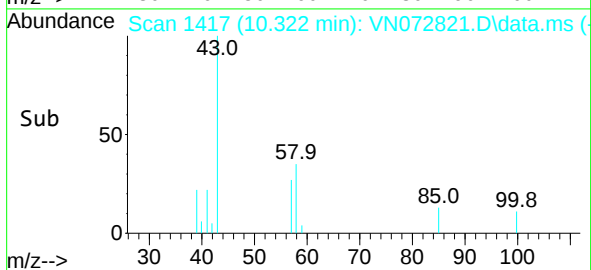
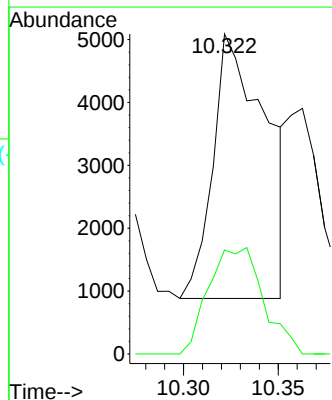
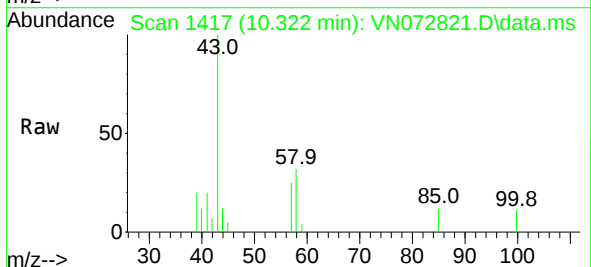
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

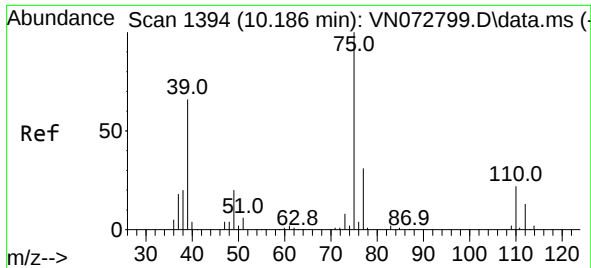
Tgt Ion: 98 Resp: 527379
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.219 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.005 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

Tgt Ion: 43 Resp: 8174
Ion Ratio Lower Upper
43 100
58 41.4 34.1 51.1

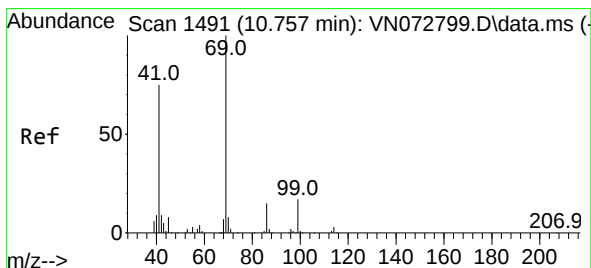
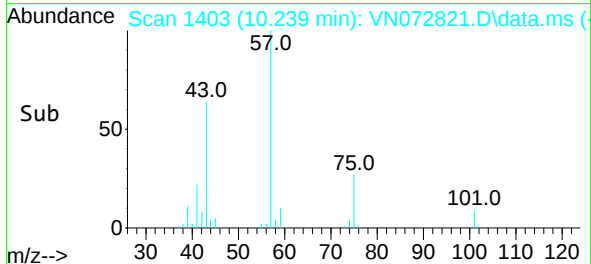
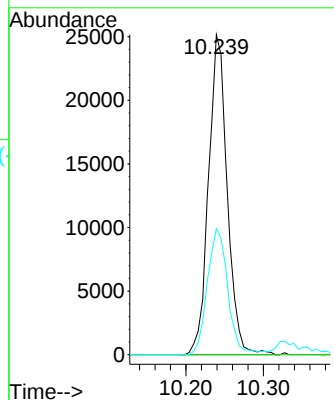
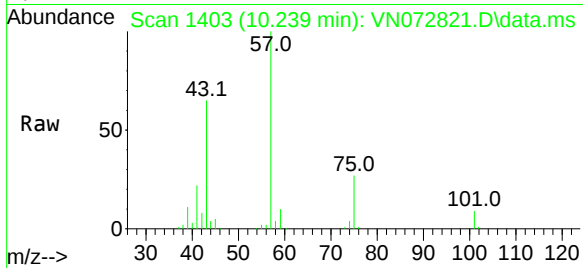




#54
 cis-1,3-Dichloropropene
 Concen: 7.542 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072821.D
 Acq: 14 Jun 2022 02:12

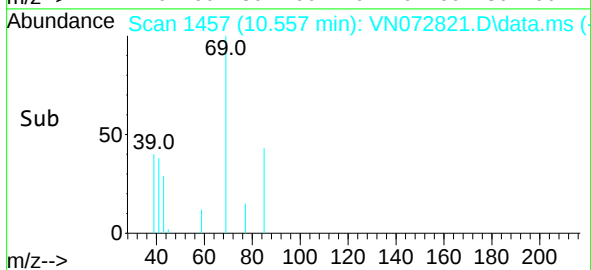
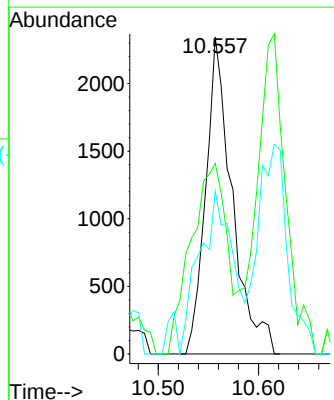
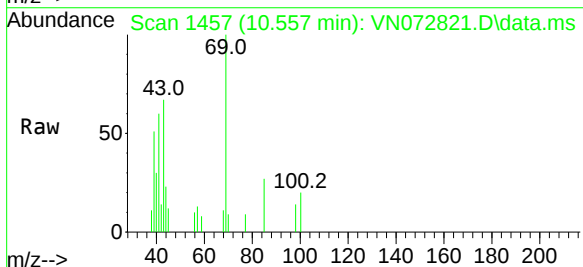
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-10-G

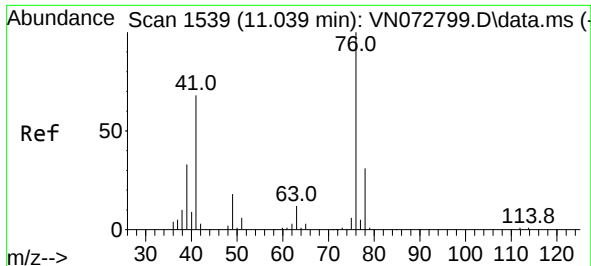
Tgt Ion: 75 Resp: 42186
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 39.3 35.7 53.5



#56
 Ethyl methacrylate
 Concen: 0.722 ug/l
 RT: 10.557 min Scan# 1457
 Delta R.T. -0.200 min
 Lab File: VN072821.D
 Acq: 14 Jun 2022 02:12

Tgt Ion: 69 Resp: 4293
 Ion Ratio Lower Upper
 69 100
 41 83.9 47.8 71.6#
 39 65.3 27.3 40.9#





#57

1,3-Dichloropropane

Concen: 3.824 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072821.D

Acq: 14 Jun 2022 02:12

Instrument :

MSVOA_N

ClientSampleId :

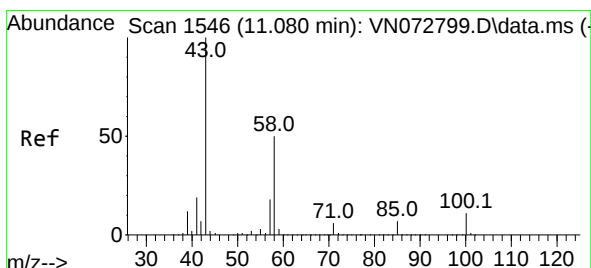
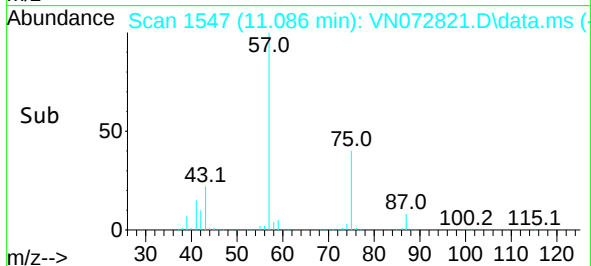
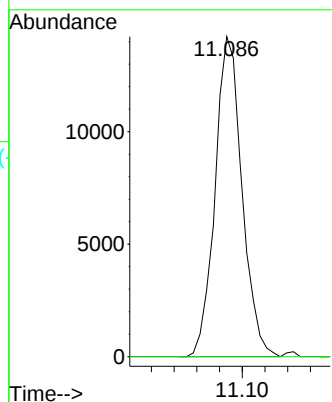
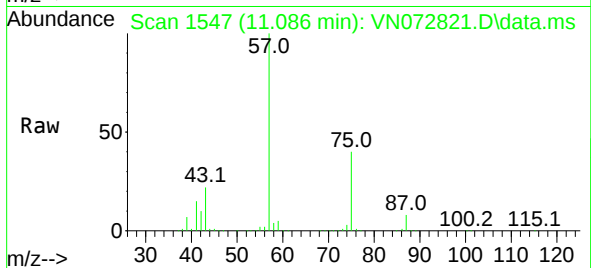
WC-14A-1A-10-G

Tgt Ion: 76 Resp: 23388

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 79.012 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN072821.D

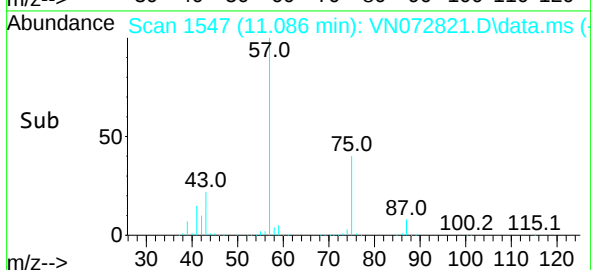
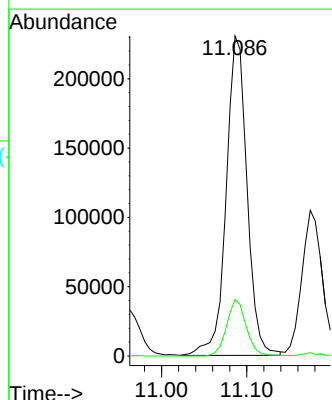
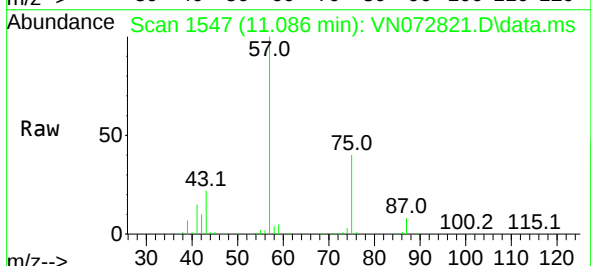
Acq: 14 Jun 2022 02:12

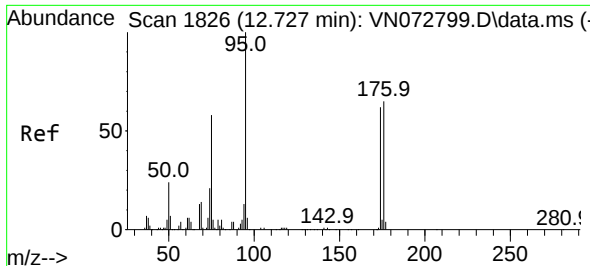
Tgt Ion: 43 Resp: 392461

Ion Ratio Lower Upper

43 100

58 16.6 29.7 89.1#

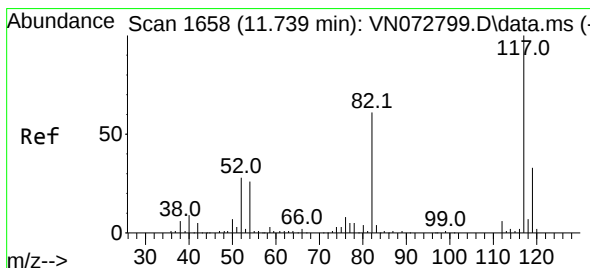
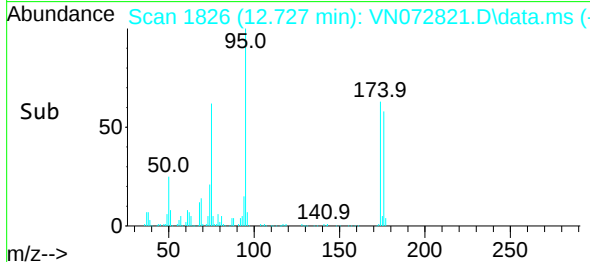
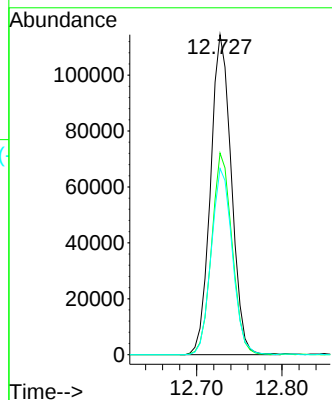
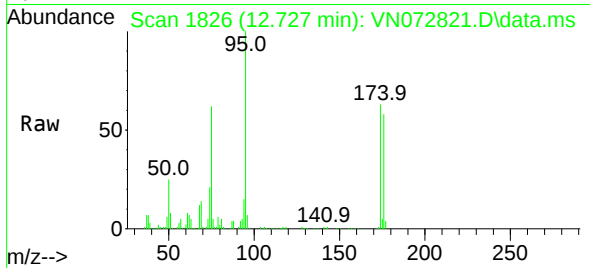




#62
4-Bromofluorobenzene
Concen: 44.718 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

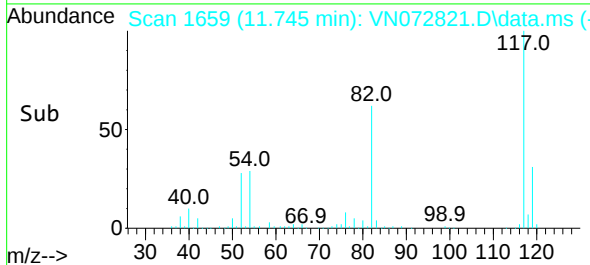
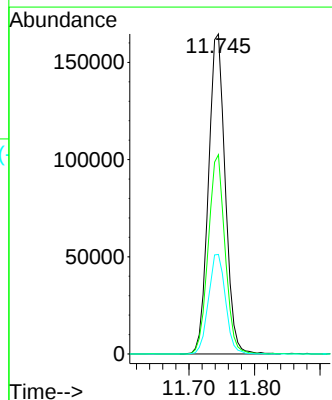
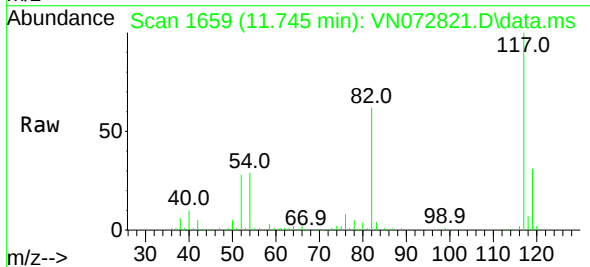
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

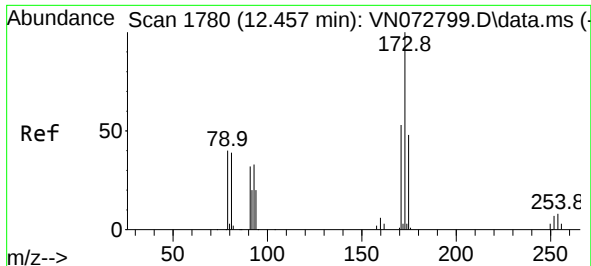
Tgt Ion: 95 Resp: 194670
Ion Ratio Lower Upper
95 100
174 61.8 0.0 167.6
176 58.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

Tgt Ion: 117 Resp: 292495
Ion Ratio Lower Upper
117 100
82 62.2 44.2 66.2
119 31.1 25.4 38.0

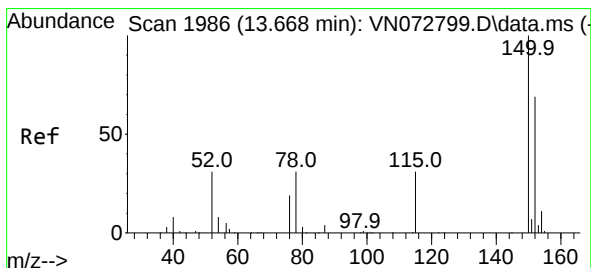
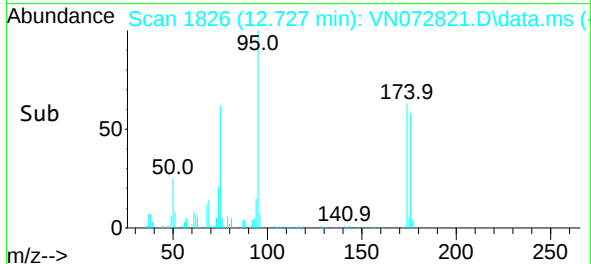
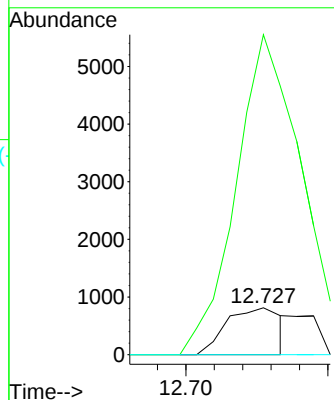
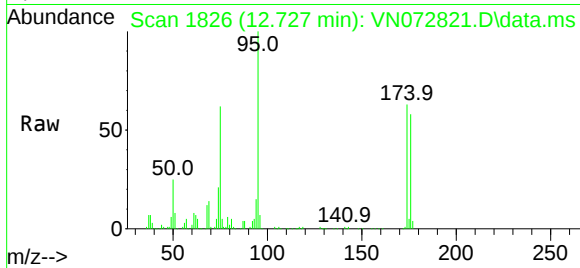




#71
Bromoform
Concen: 0.514 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

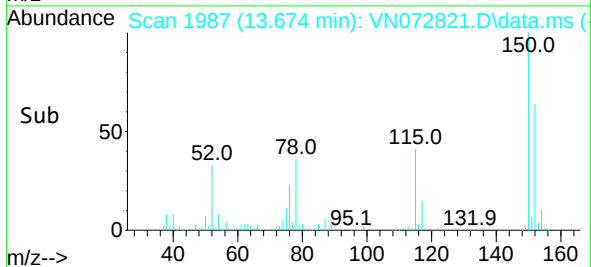
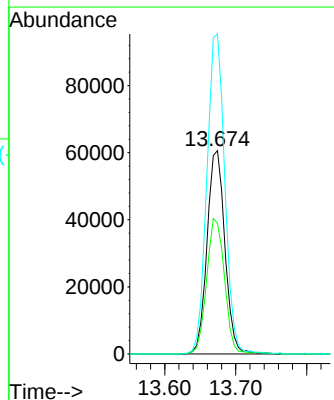
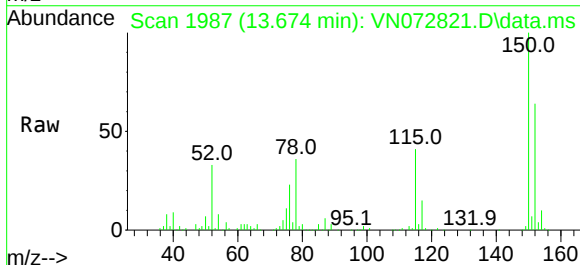
Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

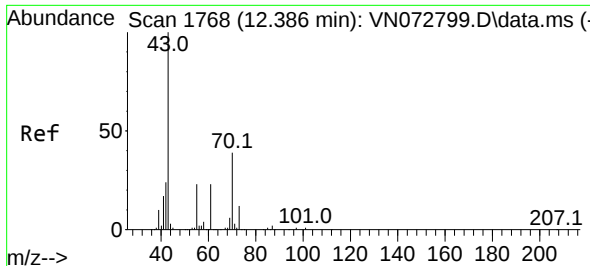
Tgt Ion:173 Resp: 1099
Ion Ratio Lower Upper
173 100
175 580.3 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

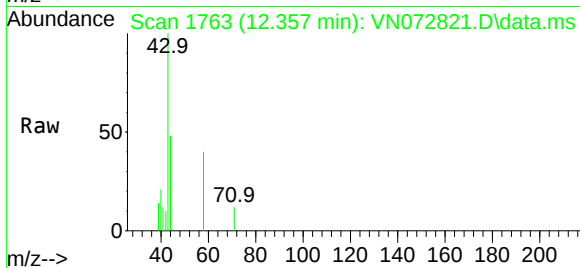
Tgt Ion:152 Resp: 106070
Ion Ratio Lower Upper
152 100
115 67.0 28.9 86.7
150 158.2 0.0 356.2



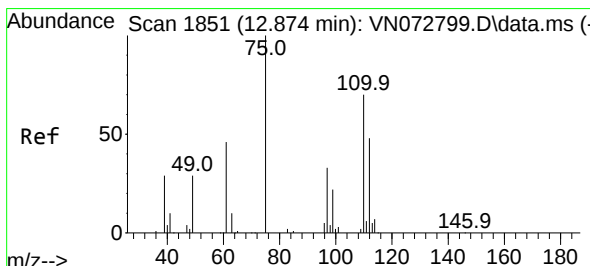
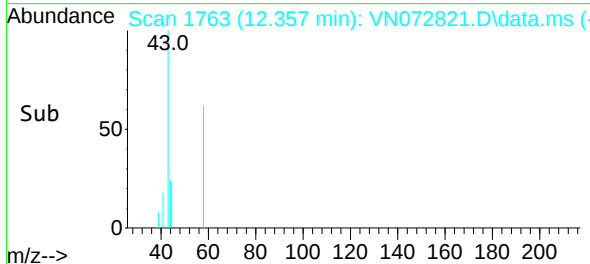
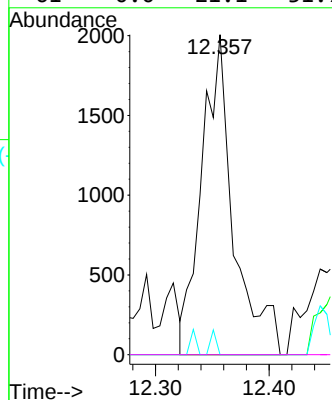


#74
N-ethyl acetate
Concen: 0.751 ug/l
RT: 12.357 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

Instrument :
MSVOA_N
ClientSampleId :
WC-14A-1A-10-G

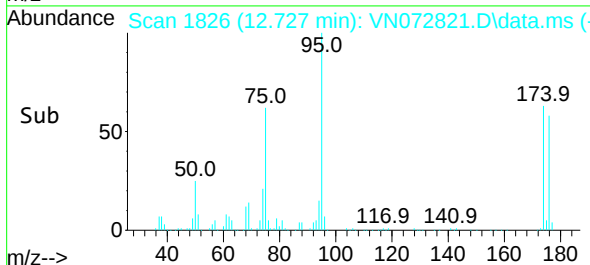
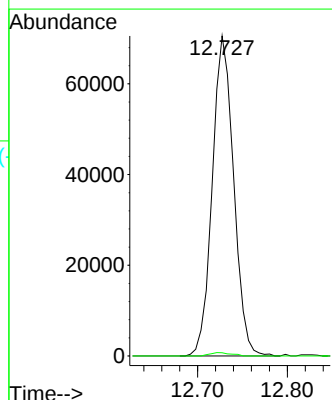
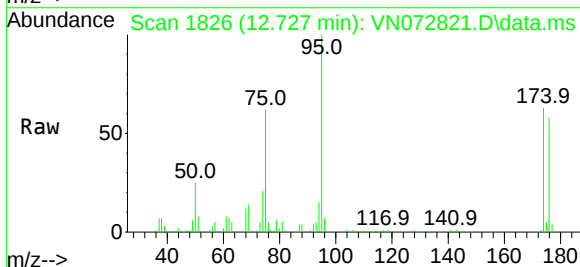


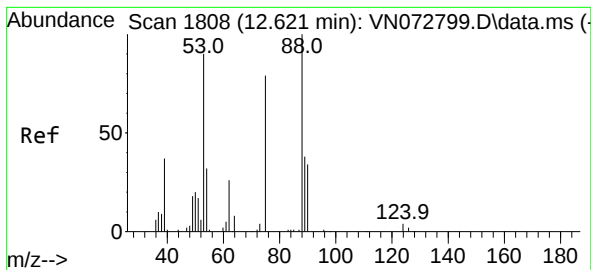
Tgt Ion: 43 Resp: 3893
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 1.4 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 32.066 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072821.D
Acq: 14 Jun 2022 02:12

Tgt Ion: 75 Resp: 116736
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.734 ug/l
 RT: 12.727 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN072821.D
 Acq: 14 Jun 2022 02:12

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14A-1A-10-G

Tgt Ion: 75 Resp: 116736
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

