

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
 Data File : VN074200.D
 Acq On : 31 Aug 2022 05:52
 Operator : JC\MD
 Sample : N4423-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Quant Time: Aug 31 07:12:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

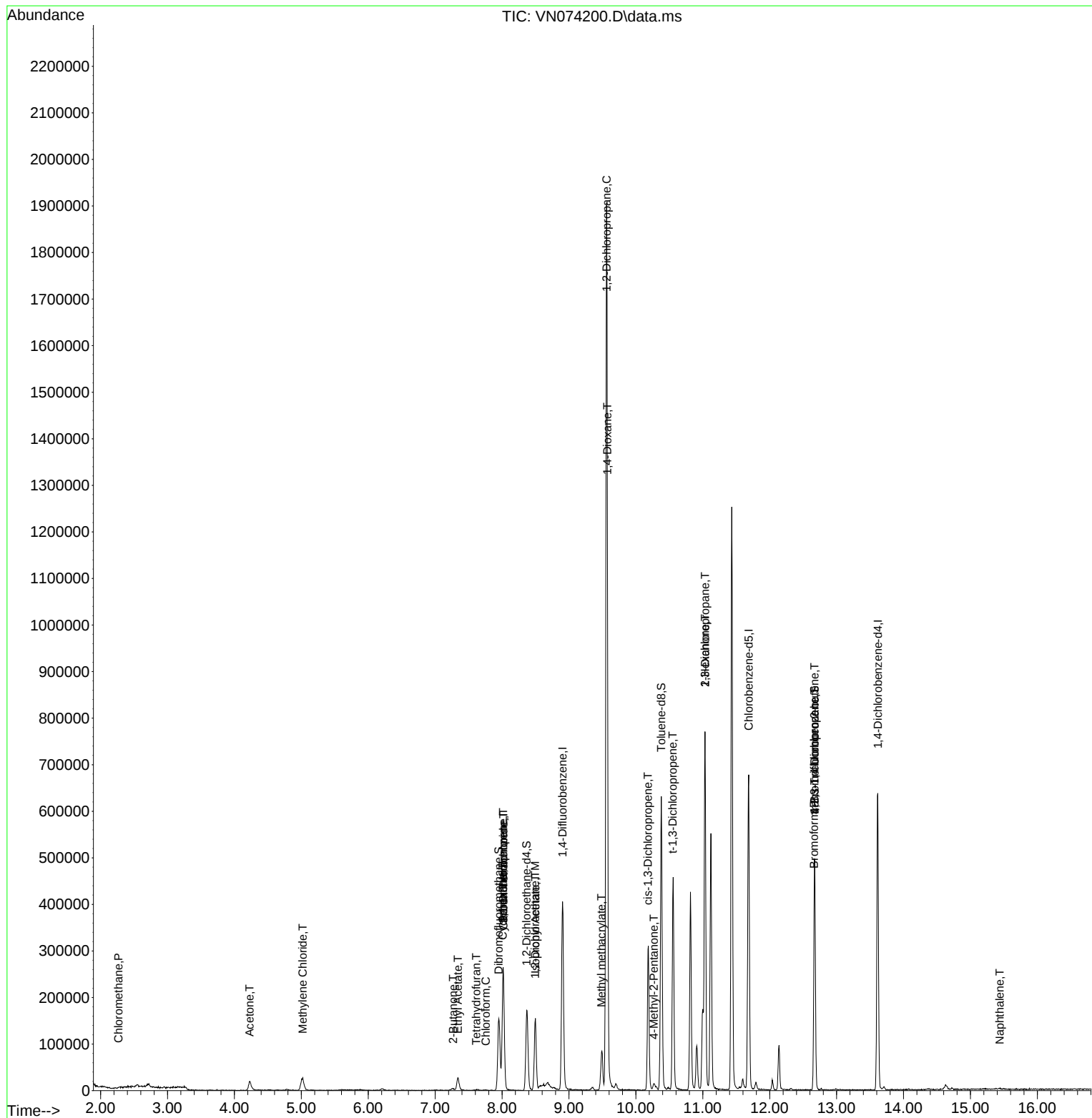
Internal Standards						
1) Pentafluorobenzene	8.016	168	183222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	335851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	355552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	155477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	137028	48.211	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.420%
35) Dibromofluoromethane	7.951	113	113621	51.990	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.980%
50) Toluene-d8	10.380	98	398088	46.254	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.500%
62) 4-Bromofluorobenzene	12.669	95	156051	59.623	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.240%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	590	0.221	ug/l #	43
6) Chloroethane	2.957	64	69	Below Cal	#	42
11) Tert butyl alcohol	5.275	59	112	Below Cal	#	72
16) Acetone	4.228	43	35322	18.598	ug/l	97
18) Methyl Acetate	4.781	43	4497	Below Cal	#	75
20) Methylene Chloride	5.022	84	19525	5.711	ug/l	88
25) 2-Butanone	7.269	43	5504	1.812	ug/l	95
29) Tetrahydrofuran	7.616	42	766	0.396	ug/l #	61
30) Chloroform	7.757	83	1059	0.216	ug/l #	75
31) Cyclohexane	8.010	56	5941	1.265	ug/l #	68
36) 1,1-Dichloropropene	8.016	75	18375	5.182	ug/l #	44
37) Ethyl Acetate	7.339	43	41023	6.918	ug/l #	96
38) Carbon Tetrachloride	8.022	117	19121	5.938	ug/l #	18
42) 1,2-Dichloroethane	8.492	62	1186	0.299	ug/l #	74
43) Isopropyl Acetate	8.498	43	173169	21.722	ug/l #	85
45) 1,2-Dichloropropane	9.563	63	2268	0.754	ug/l #	44
48) Methyl methacrylate	9.486	41	6145	1.623	ug/l #	38
49) 1,4-Dioxane	9.575	88	235	2.876	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	8696	1.503	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	1349	0.362	ug/l #	1
54) cis-1,3-Dichloropropene	10.180	75	49802	11.925	ug/l #	72
57) 1,3-Dichloropropane	11.033	76	7515	1.523	ug/l #	42
59) 2-Hexanone	11.033	43	113776	25.913	ug/l #	46
71) Bromoform	12.663	173	672	0.279	ug/l #	28
76) 1,2,3-Trichloropropane	12.669	75	88328	22.672	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	88328	58.968	ug/l #	10
95) Naphthalene	15.439	128	571	1.198	ug/l #	69

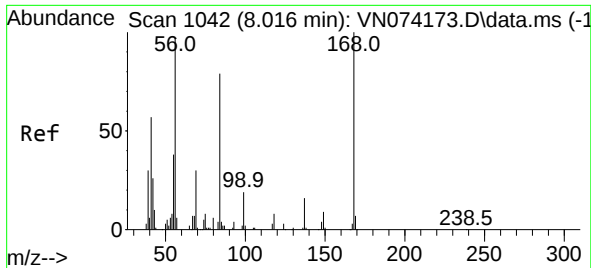
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 31 07:02:40 2022
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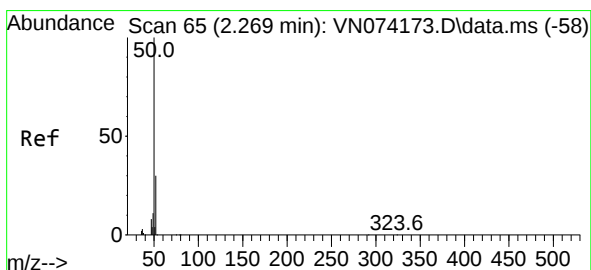
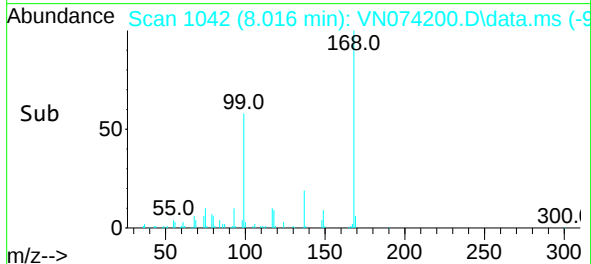
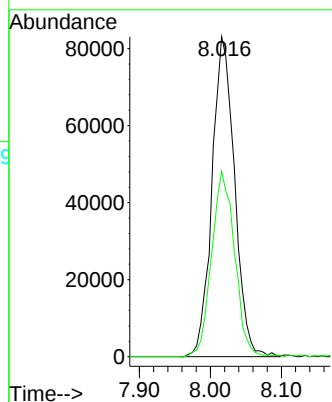
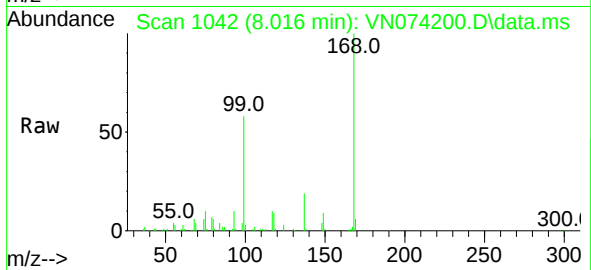




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

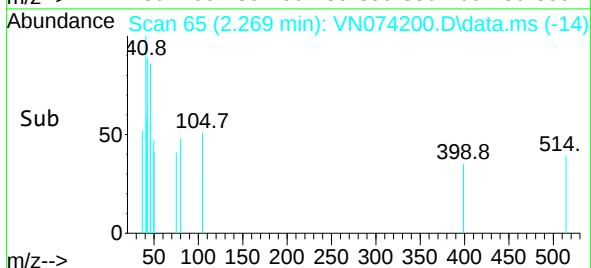
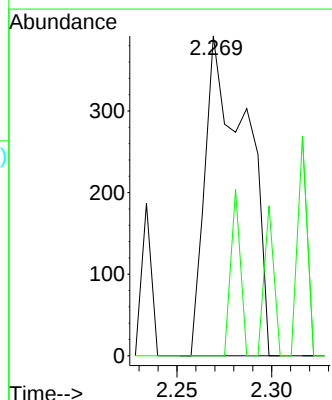
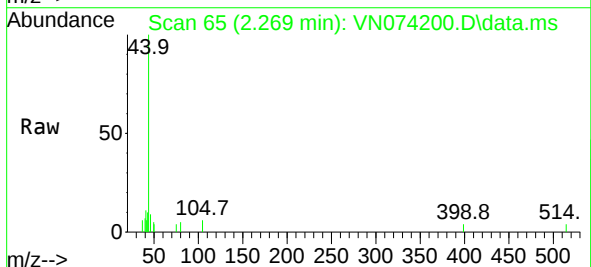
Instrument :
MSVOA_N
ClientSampleId :
WC-1

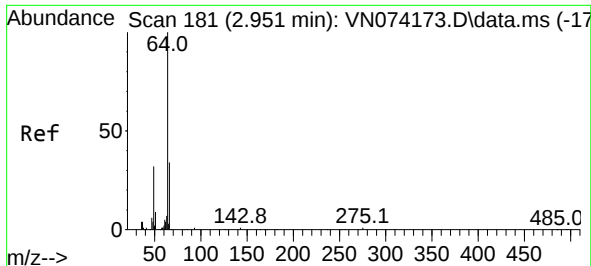
Tgt Ion:168 Resp: 183222
Ion Ratio Lower Upper
168 100
99 58.0 42.3 63.5



#3
Chloromethane
Concen: 0.221 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

Tgt Ion: 50 Resp: 590
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5

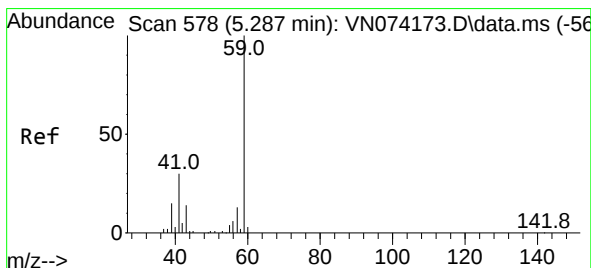
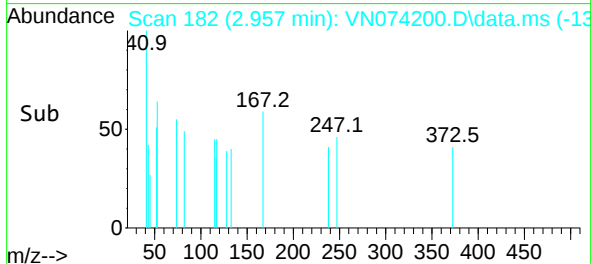
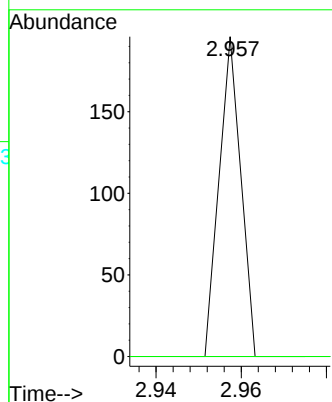
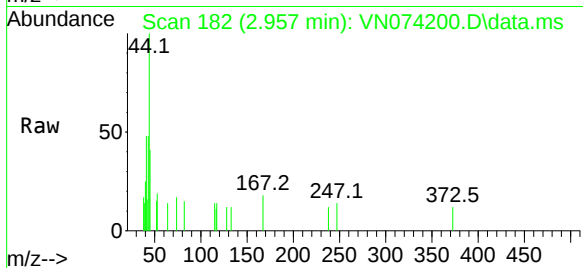




#6
Chloroethane
Concen: Below Cal
RT: 2.957 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

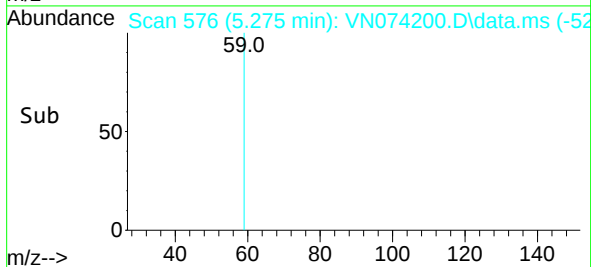
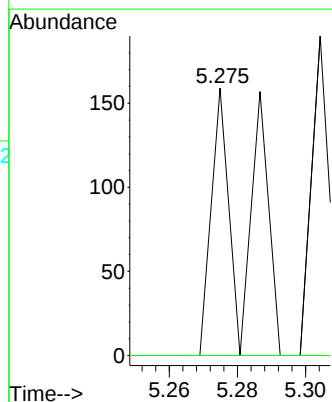
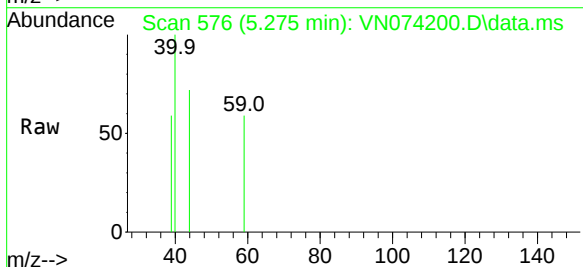
Instrument :
MSVOA_N
ClientSampleId :
WC-1

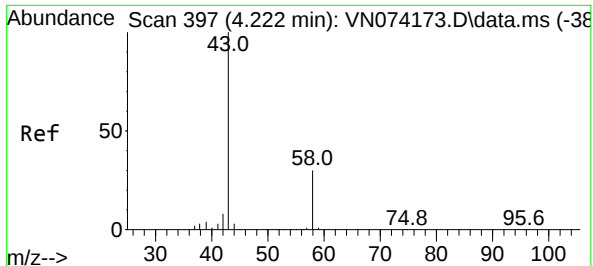
Tgt Ion: 64 Resp: 69
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.275 min Scan# 576
Delta R.T. -0.012 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

Tgt Ion: 59 Resp: 112
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

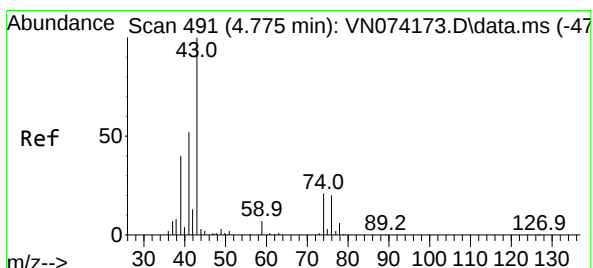
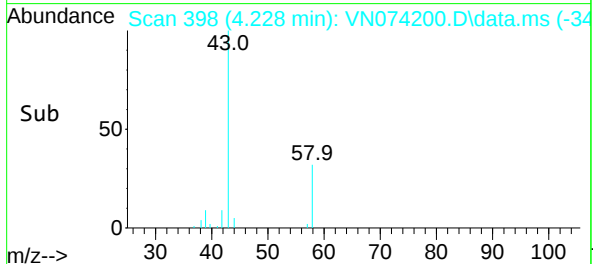
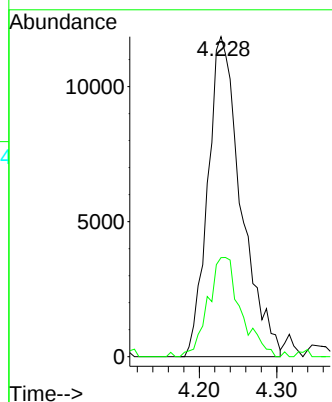
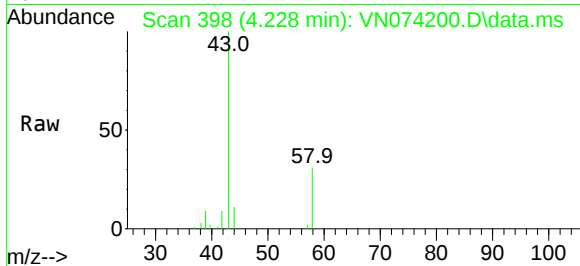




#16
Acetone
Concen: 18.598 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

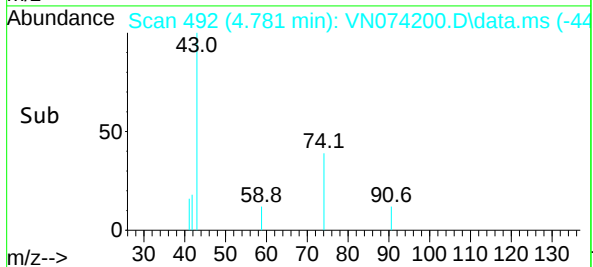
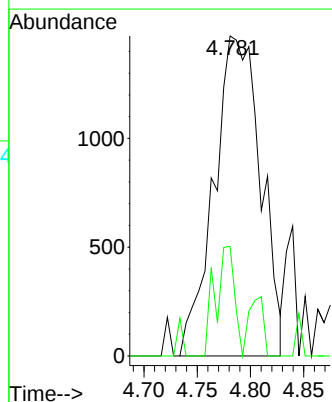
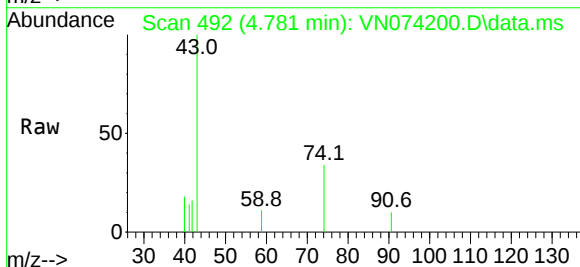
Instrument :
MSVOA_N
ClientSampleId :
WC-1

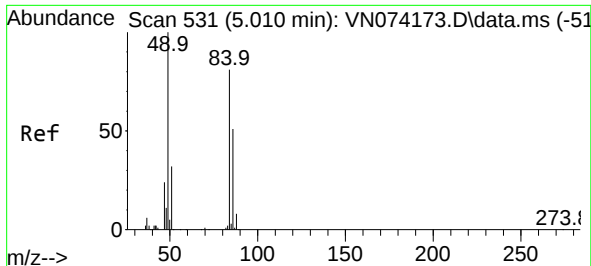
Tgt Ion: 43 Resp: 35322
Ion Ratio Lower Upper
43 100
58 30.9 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

Tgt Ion: 43 Resp: 4497
Ion Ratio Lower Upper
43 100
74 13.9 21.6 32.4#

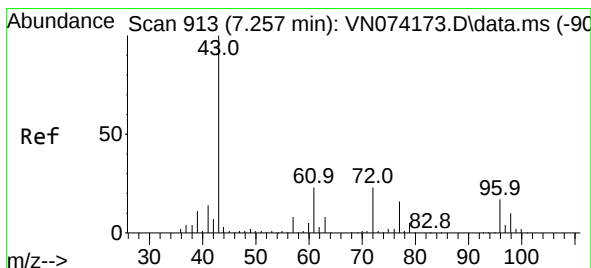
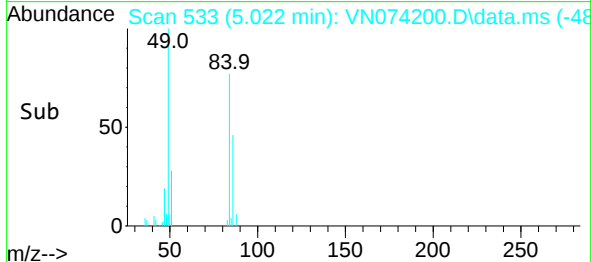
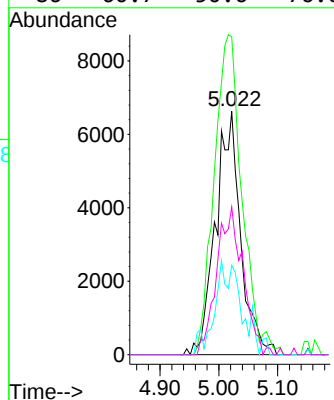
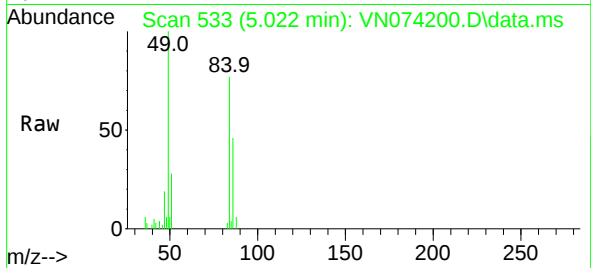




#20
Methylene Chloride
Concen: 5.711 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

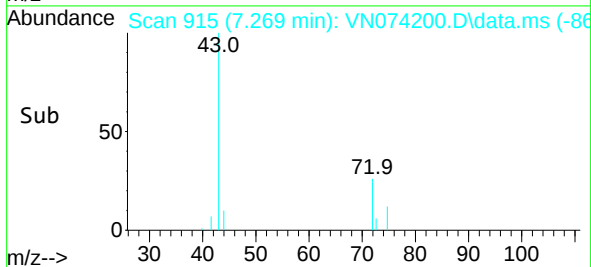
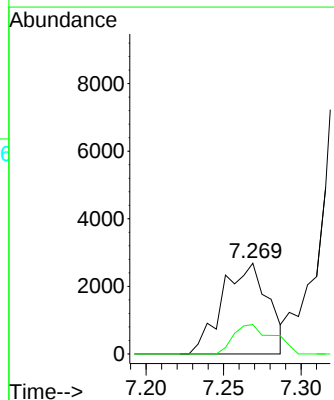
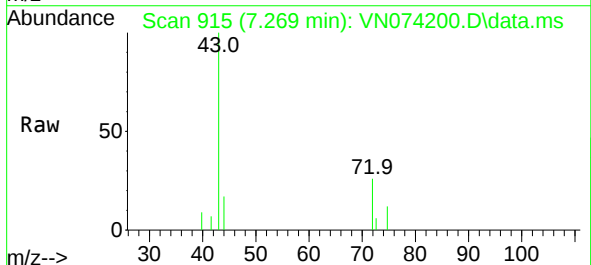
Instrument :
MSVOA_N
ClientSampleId :
WC-1

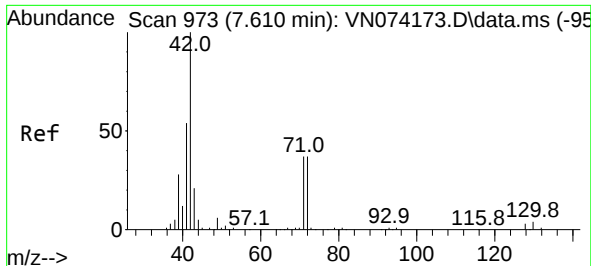
Tgt Ion:	84	Resp:	19525
Ion	Ratio	Lower	Upper
84	100		
49	130.6	88.3	132.5
51	36.7	28.2	42.2
86	60.7	50.6	76.0



#25
2-Butanone
Concen: 1.812 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

Tgt Ion:	43	Resp:	5504
Ion	Ratio	Lower	Upper
43	100		
72	32.5	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.396 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN074200.D

Acq: 31 Aug 2022 05:52

Instrument :

MSVOA_N

ClientSampleId :

WC-1

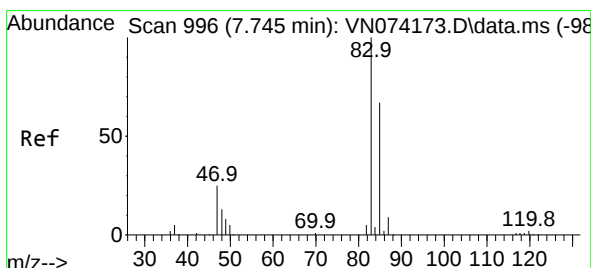
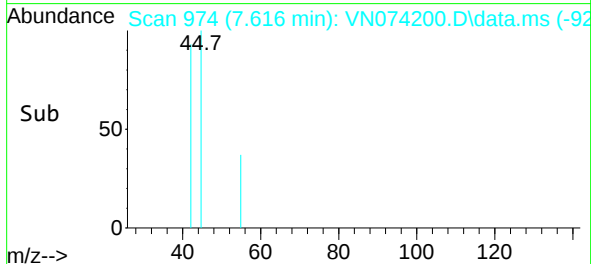
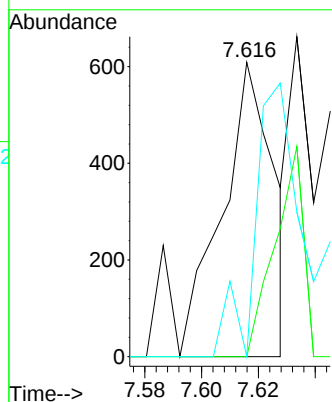
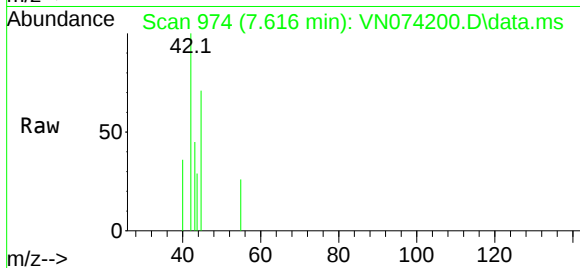
Tgt Ion: 42 Resp: 766

Ion Ratio Lower Upper

42 100

72 39.3 39.7 59.5#

71 89.0 36.6 55.0#



#30

Chloroform

Concen: 0.216 ug/l

RT: 7.757 min Scan# 998

Delta R.T. 0.012 min

Lab File: VN074200.D

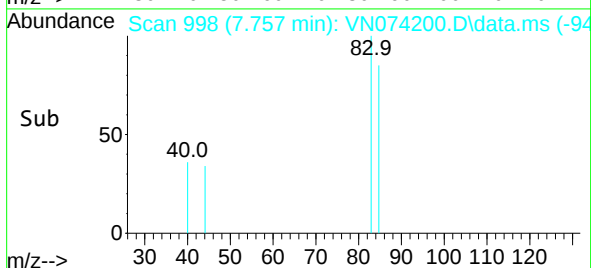
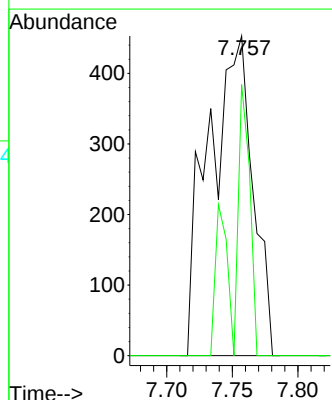
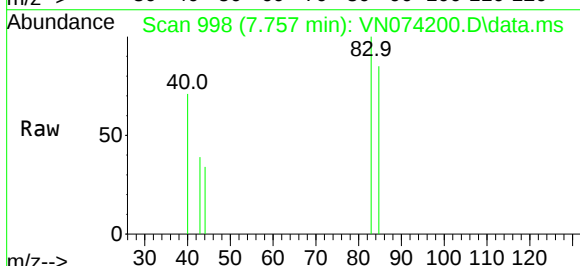
Acq: 31 Aug 2022 05:52

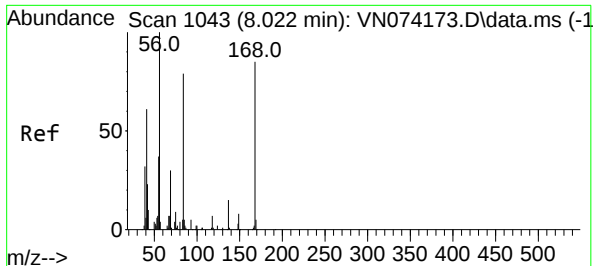
Tgt Ion: 83 Resp: 1059

Ion Ratio Lower Upper

83 100

85 84.8 51.8 77.8#

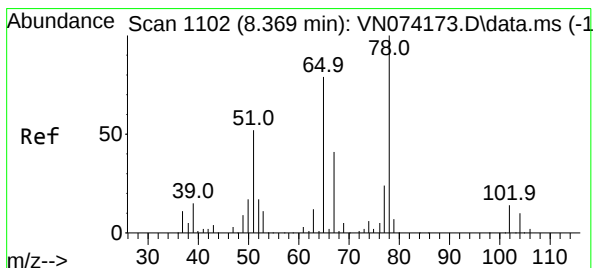
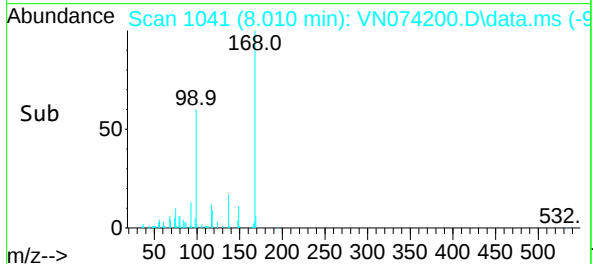
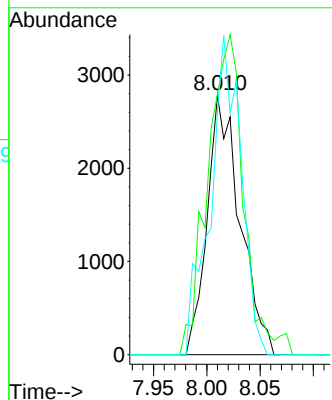
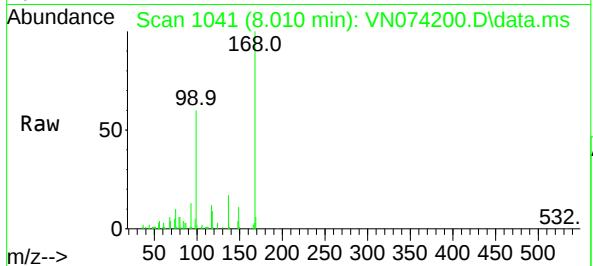




#31
Cyclohexane
Concen: 1.265 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

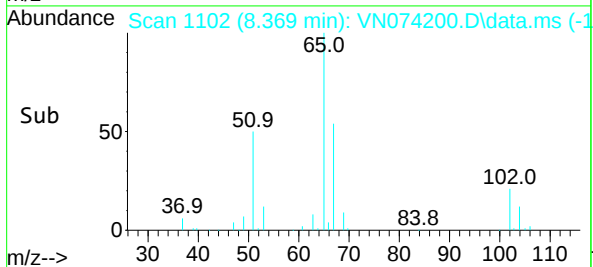
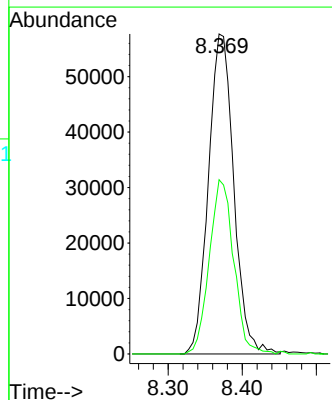
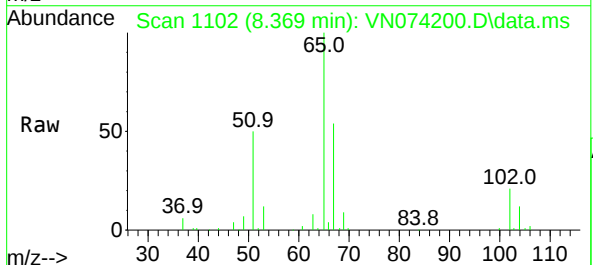
Instrument :
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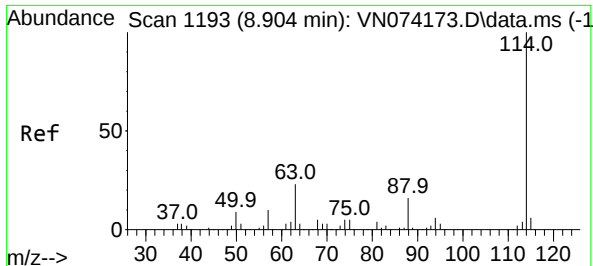
Tgt Ion: 56 Resp: 5941
Ion Ratio Lower Upper
56 100
69 100.5 27.8 41.8#
84 94.2 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 48.211 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

Tgt Ion: 65 Resp: 137028
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074200.D

Acq: 31 Aug 2022 05:52

Instrument :

MSVOA_N

ClientSampleId :

WC-1

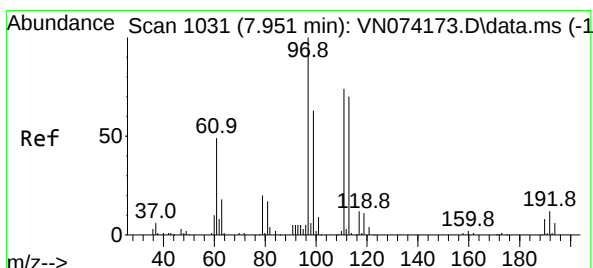
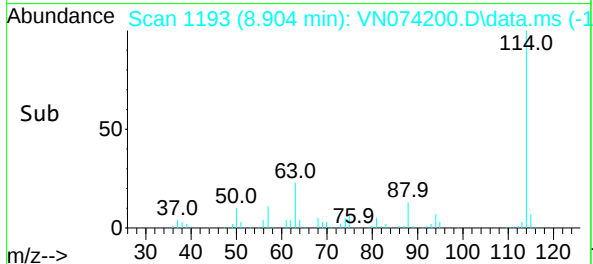
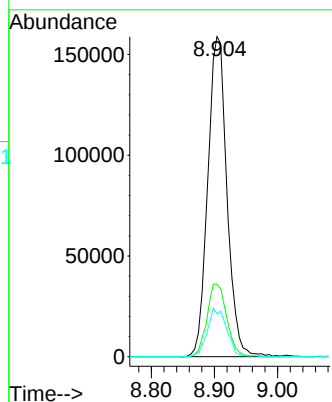
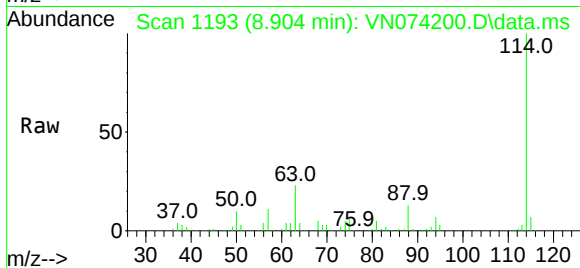
Tgt Ion:114 Resp: 335851

Ion Ratio Lower Upper

114 100

63 22.7 0.0 40.0

88 13.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.990 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074200.D

Acq: 31 Aug 2022 05:52

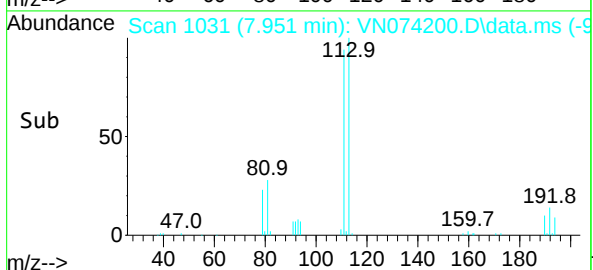
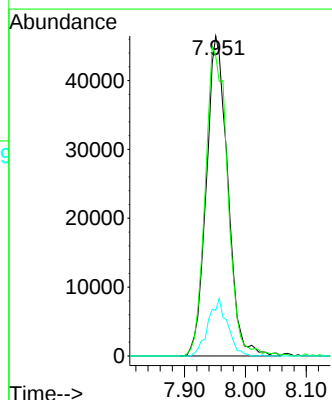
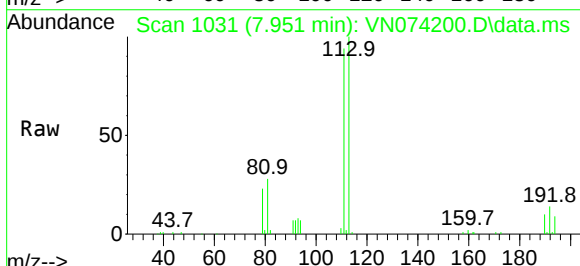
Tgt Ion:113 Resp: 113621

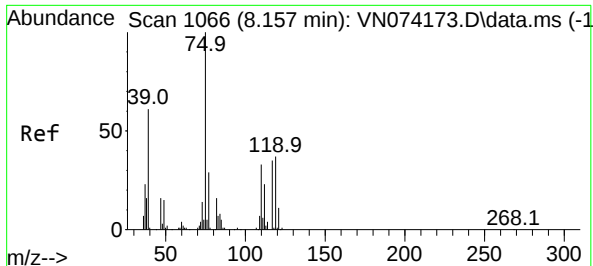
Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.0

192 16.1 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 5.182 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN074200.D

Acq: 31 Aug 2022 05:52

Instrument :

MSVOA_N

ClientSampleId :

WC-1

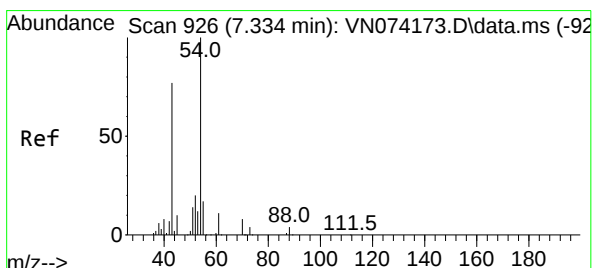
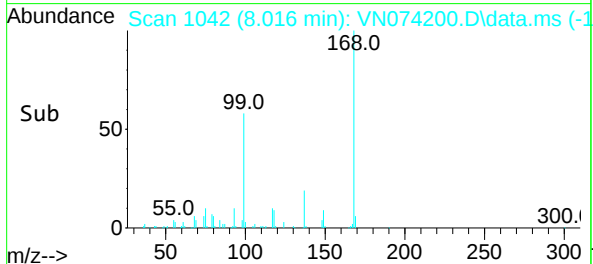
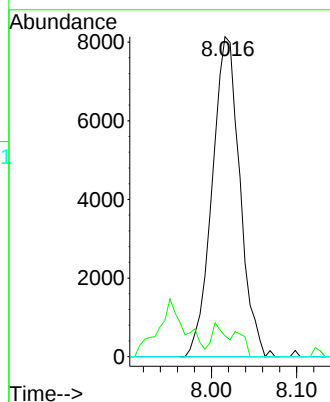
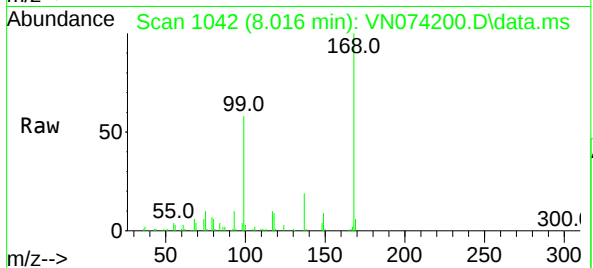
Tgt Ion: 75 Resp: 18375

Ion Ratio Lower Upper

75 100

110 3.7 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 6.918 ug/l

RT: 7.339 min Scan# 927

Delta R.T. 0.006 min

Lab File: VN074200.D

Acq: 31 Aug 2022 05:52

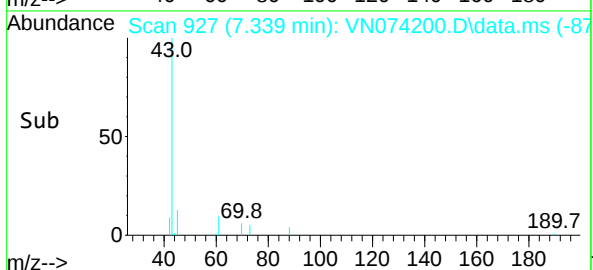
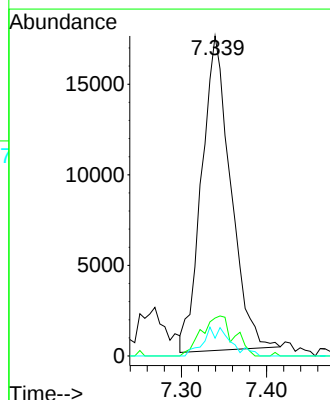
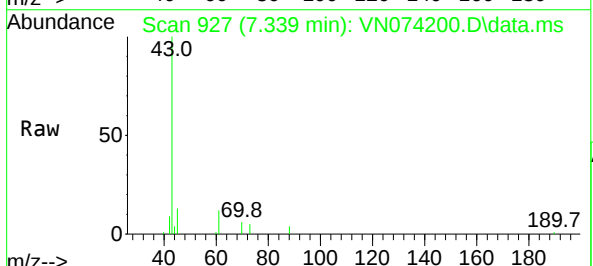
Tgt Ion: 43 Resp: 41023

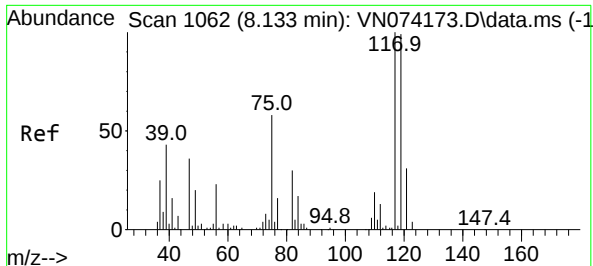
Ion Ratio Lower Upper

43 100

61 14.2 11.8 17.6

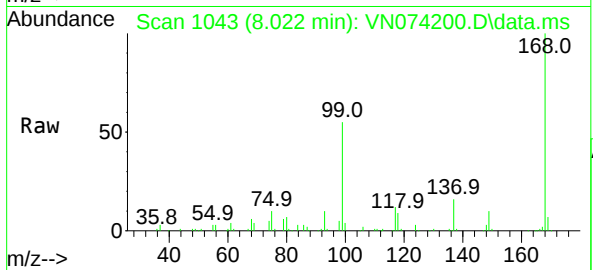
70 8.6 9.3 13.9#



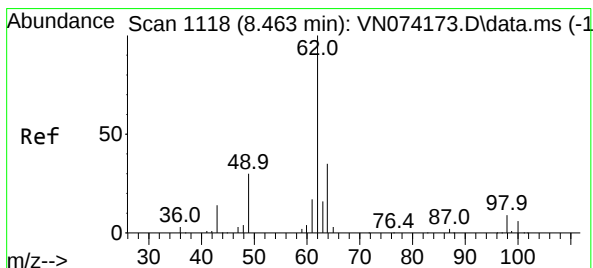
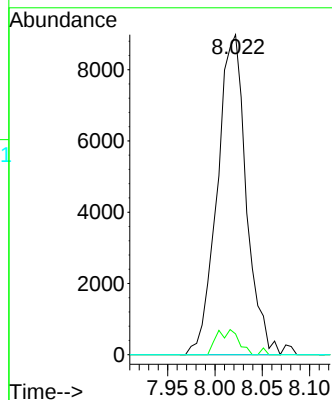
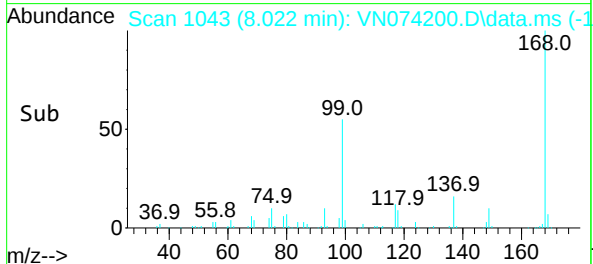


#38
Carbon Tetrachloride
Concen: 5.938 ug/l
RT: 8.022 min Scan# 1117
Delta R.T. -0.111 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

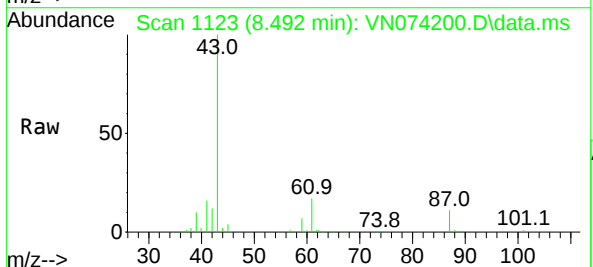
Instrument :
MSVOA_N
ClientSampleId :
WC-1



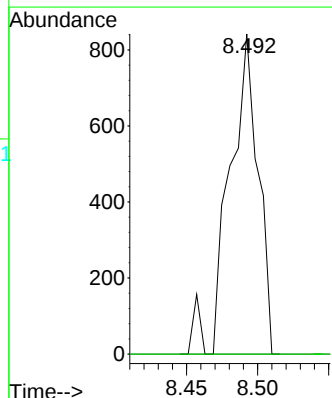
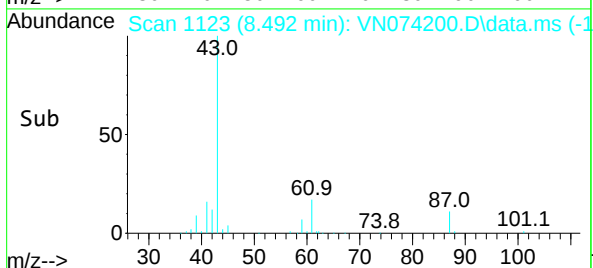
Tgt Ion:117 Resp: 19121
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.8#
121 0.0 24.6 37.0#

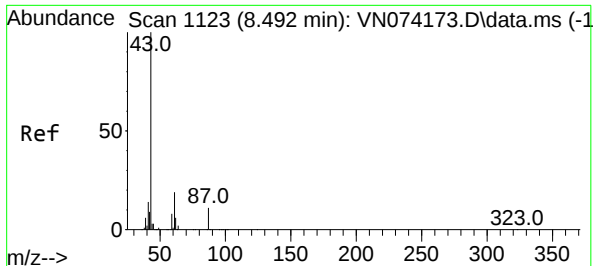


#42
1,2-Dichloroethane
Concen: 0.299 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.029 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52



Tgt Ion: 62 Resp: 1186
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 21.722 ug/l

RT: 8.498 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN074200.D

Acq: 31 Aug 2022 05:52

Instrument :

MSVOA_N

ClientSampleId :

WC-1

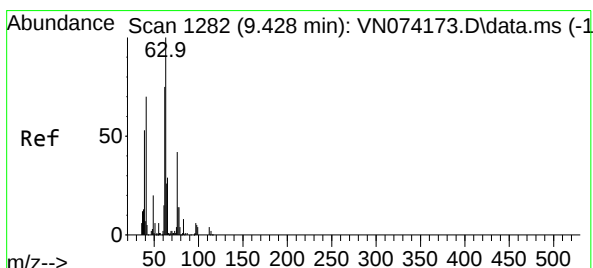
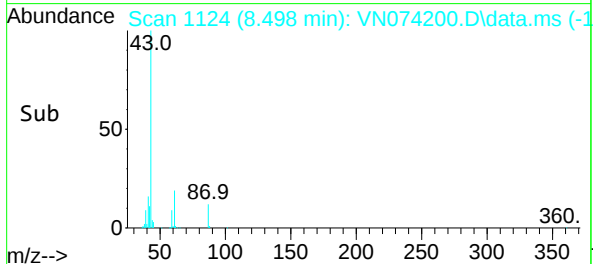
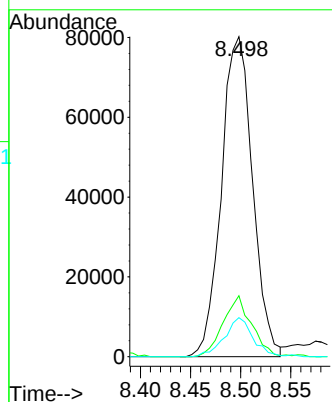
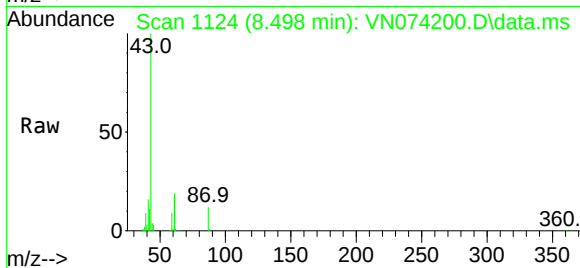
Tgt Ion: 43 Resp: 173169

Ion Ratio Lower Upper

43 100

61 17.7 21.9 32.9#

87 11.1 12.0 18.0#



#45

1,2-Dichloropropane

Concen: 0.754 ug/l

RT: 9.563 min Scan# 1305

Delta R.T. 0.135 min

Lab File: VN074200.D

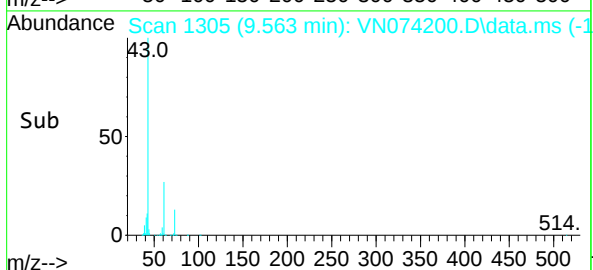
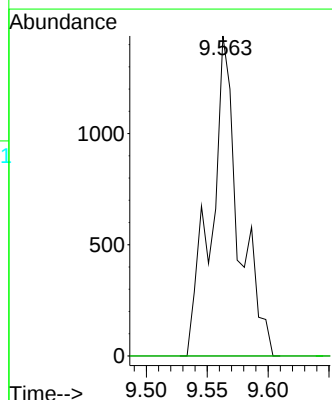
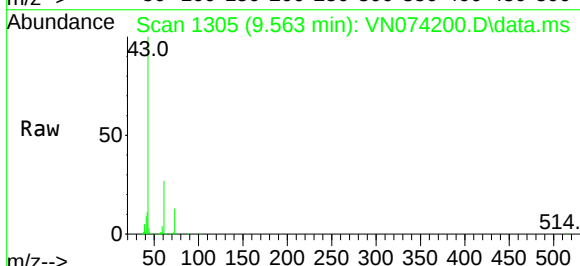
Acq: 31 Aug 2022 05:52

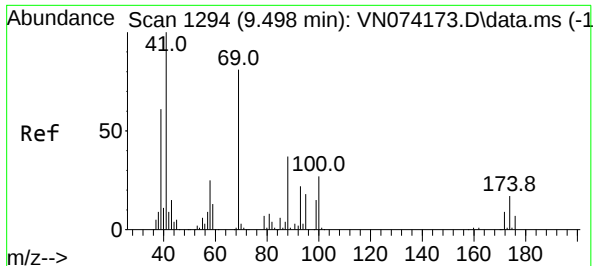
Tgt Ion: 63 Resp: 2268

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#

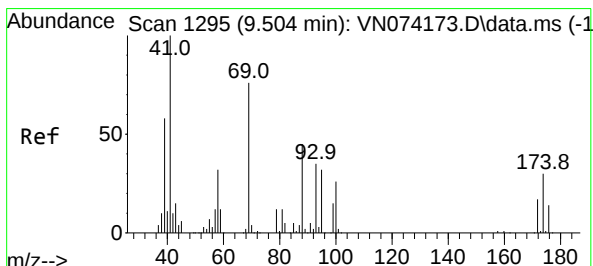
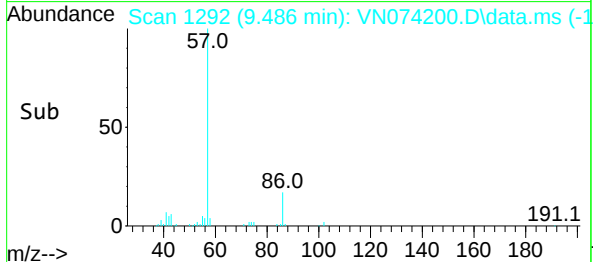
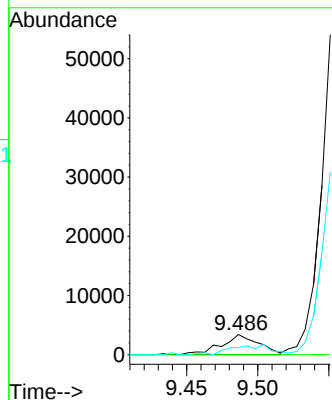
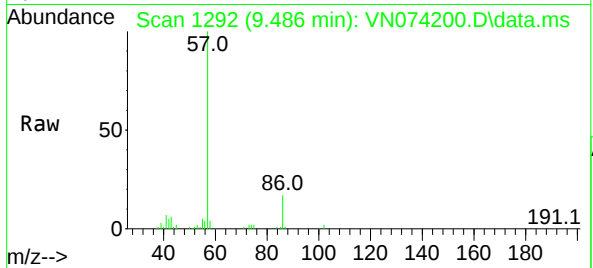




#48
Methyl methacrylate
Concen: 1.623 ug/l
RT: 9.486 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

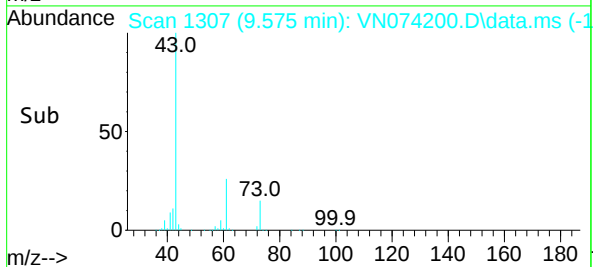
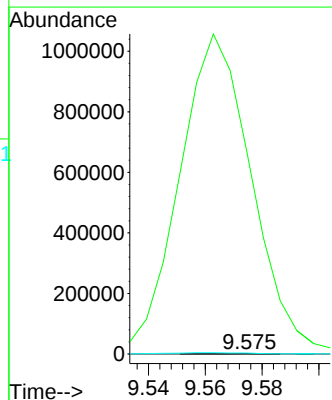
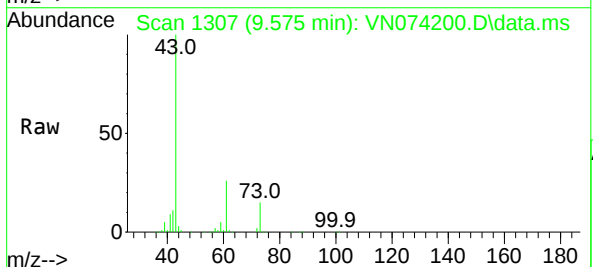
Instrument :
MSVOA_N
ClientSampleId :
WC-1

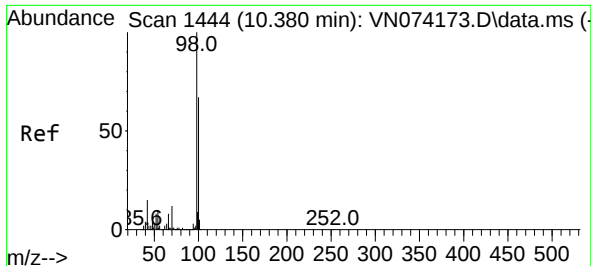
Tgt Ion: 41 Resp: 6145
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 53.2 45.6 68.4



#49
1,4-Dioxane
Concen: 2.876 ug/l
RT: 9.575 min Scan# 1307
Delta R.T. 0.071 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

Tgt Ion: 88 Resp: 235
Ion Ratio Lower Upper
88 100
43 806235.7 20.2 30.4#
58 3647.2 54.2 81.4#

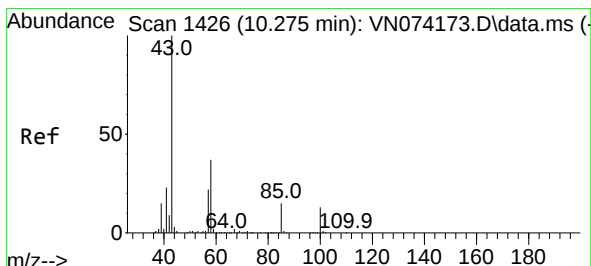
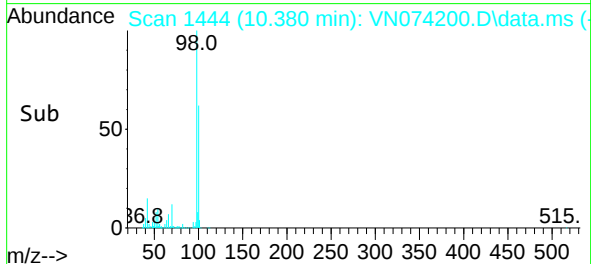
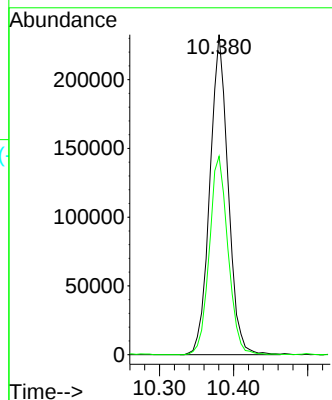
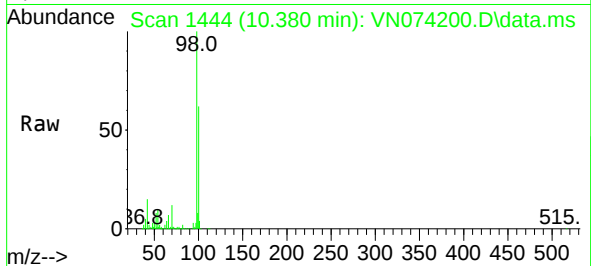




#50
Toluene-d8
Concen: 46.254 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

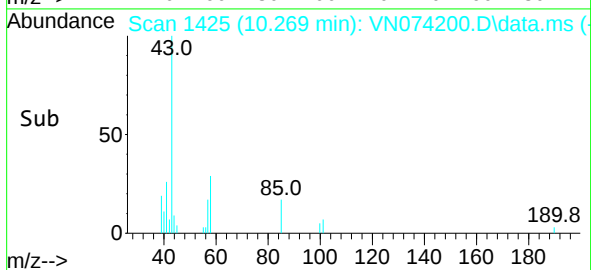
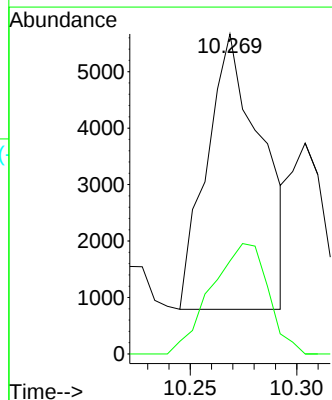
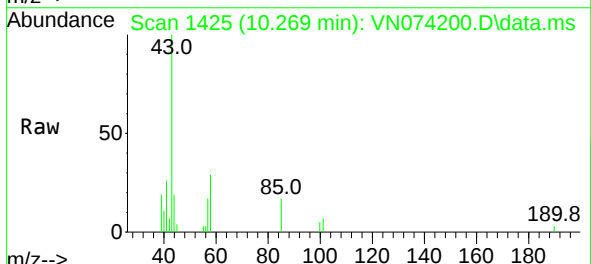
Instrument :
MSVOA_N
ClientSampleId :
WC-1

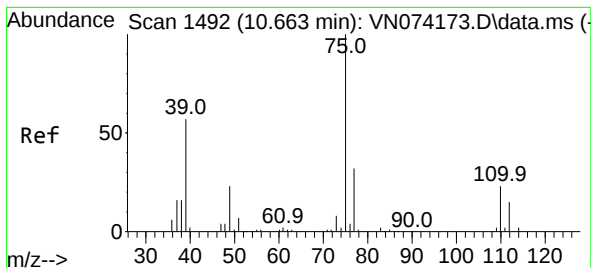
Tgt Ion: 98 Resp: 398088
Ion Ratio Lower Upper
98 100
100 63.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.503 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

Tgt Ion: 43 Resp: 8696
Ion Ratio Lower Upper
43 100
58 41.8 34.1 51.1

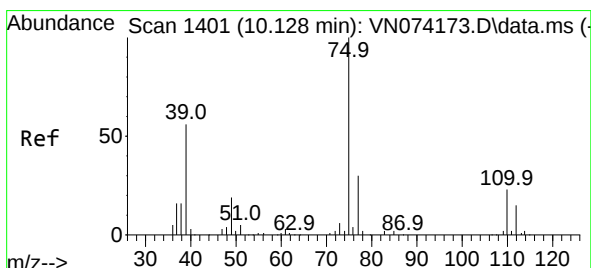
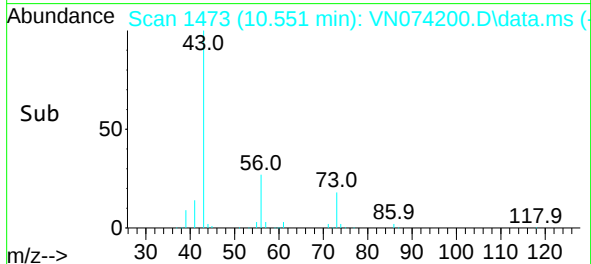
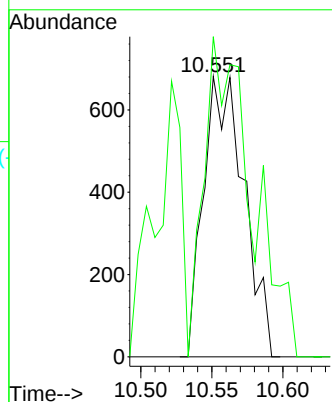
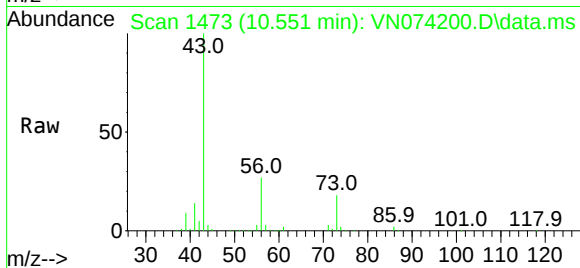




#53
t-1,3-Dichloropropene
Concen: 0.362 ug/l
RT: 10.551 min Scan# 1410
Delta R.T. -0.112 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

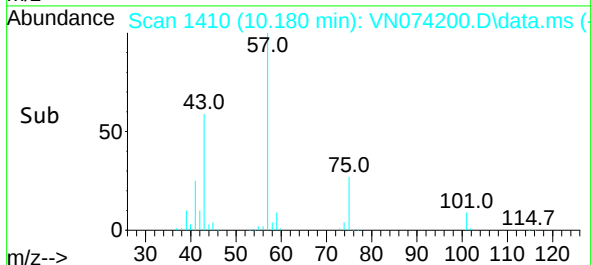
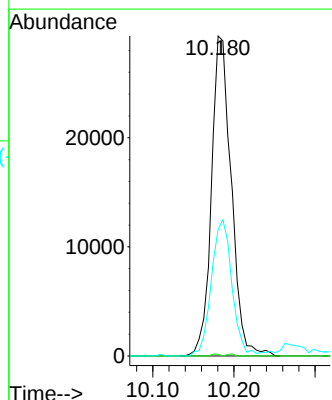
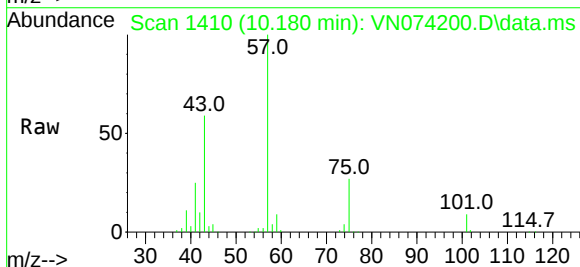
Instrument :
MSVOA_N
ClientSampleId :
WC-1

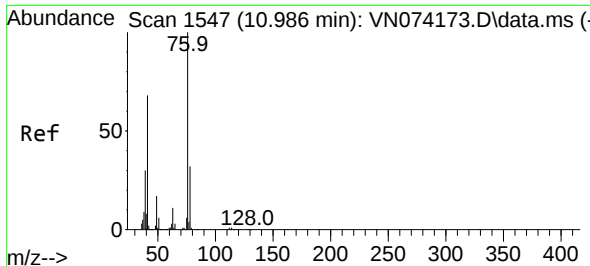
Tgt Ion: 75 Resp: 1349
Ion Ratio Lower Upper
75 100
77 89.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 11.925 ug/l
RT: 10.180 min Scan# 1410
Delta R.T. 0.053 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

Tgt Ion: 75 Resp: 49802
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 39.6 35.7 53.5





#57

1,3-Dichloropropane

Concen: 1.523 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN074200.D

Acq: 31 Aug 2022 05:52

Instrument :

MSVOA_N

ClientSampleId :

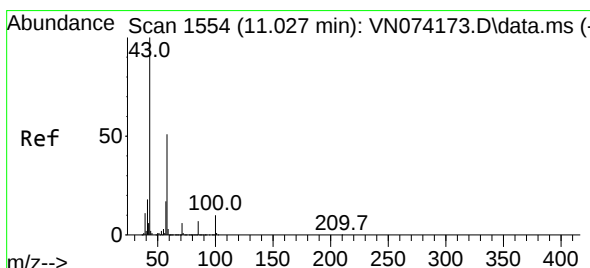
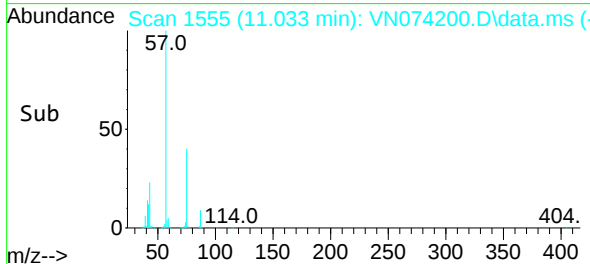
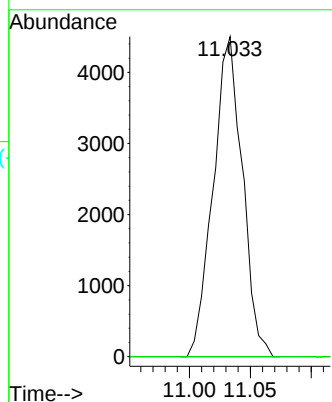
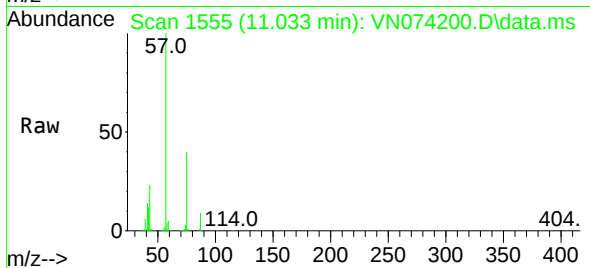
WC-1

Tgt Ion: 76 Resp: 7515

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 25.913 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN074200.D

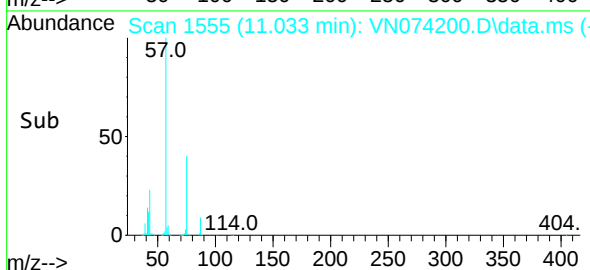
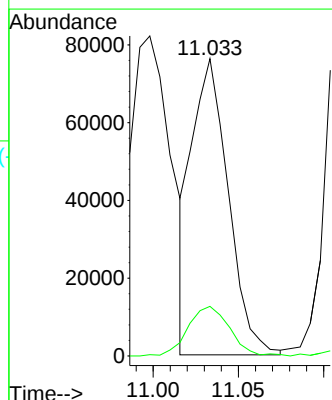
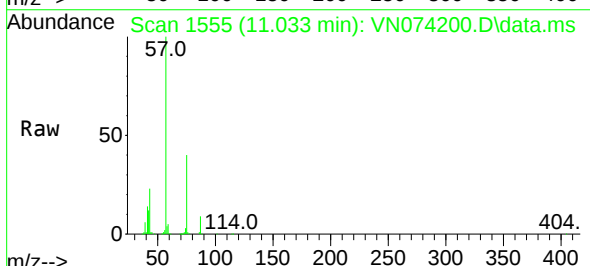
Acq: 31 Aug 2022 05:52

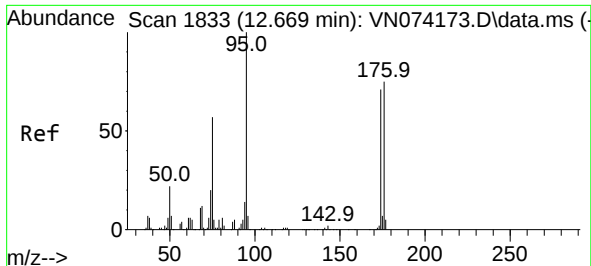
Tgt Ion: 43 Resp: 113776

Ion Ratio Lower Upper

43 100

58 19.1 29.7 89.1#

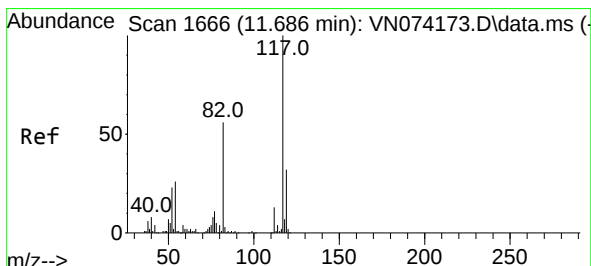
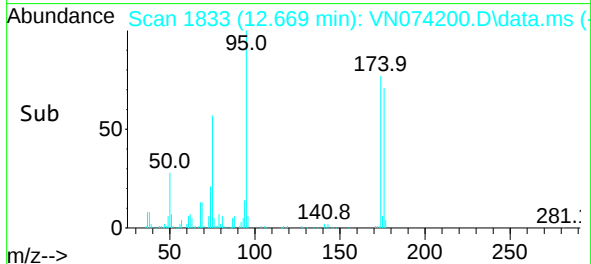
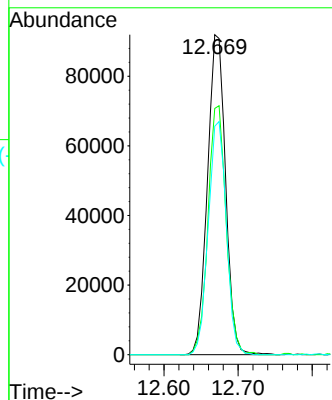
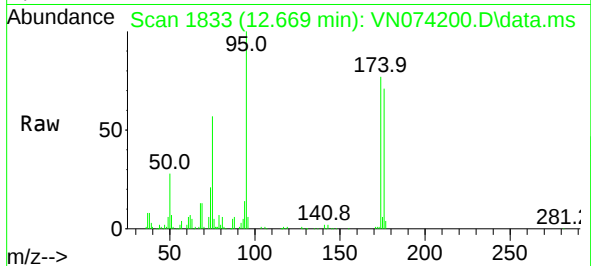




#62
4-Bromofluorobenzene
Concen: 59.623 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

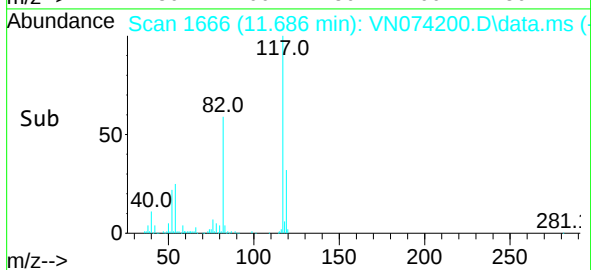
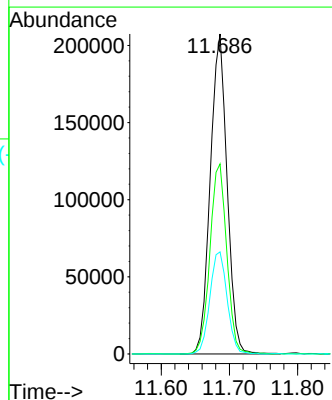
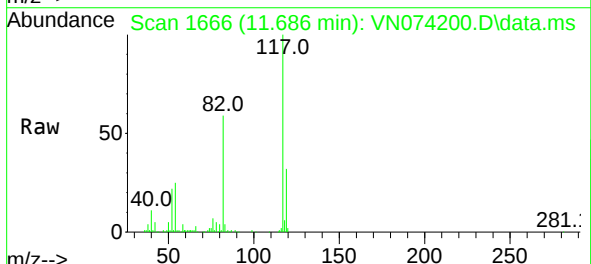
Instrument :
MSVOA_N
ClientSampleId :
WC-1

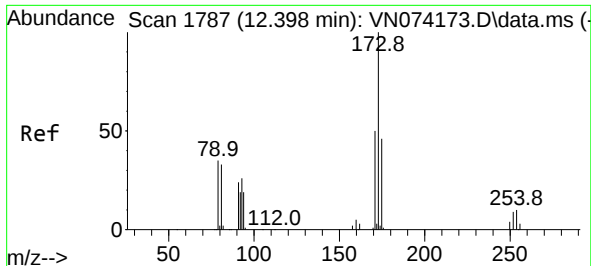
Tgt Ion: 95 Resp: 156051
Ion Ratio Lower Upper
95 100
174 77.7 0.0 167.6
176 72.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

Tgt Ion: 117 Resp: 355552
Ion Ratio Lower Upper
117 100
82 59.4 44.2 66.2
119 31.9 25.4 38.0

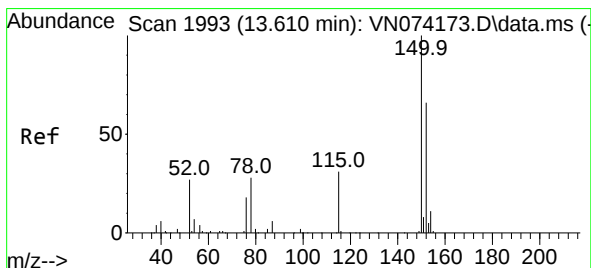
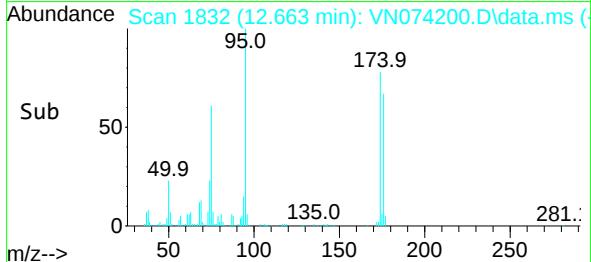
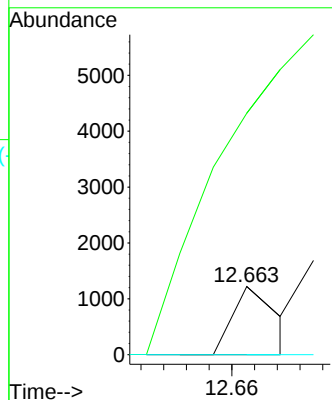
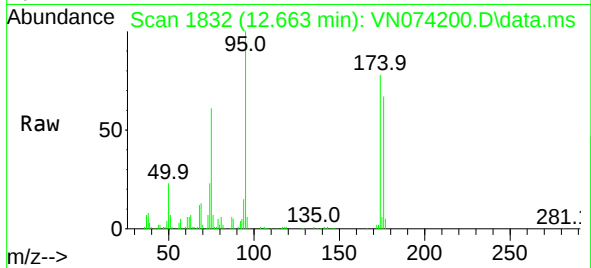




#71
Bromoform
Concen: 0.279 ug/l
RT: 12.663 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

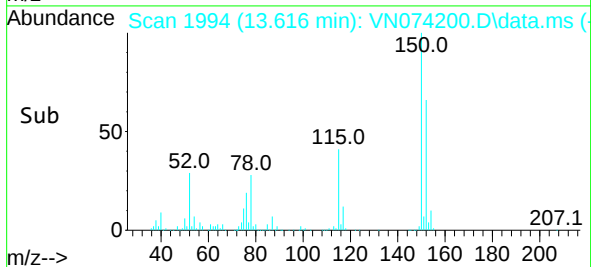
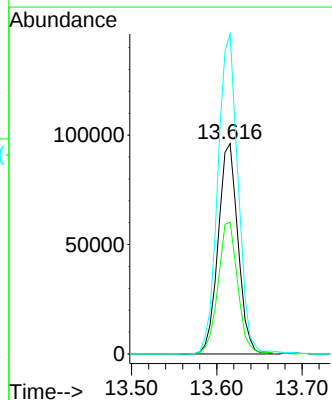
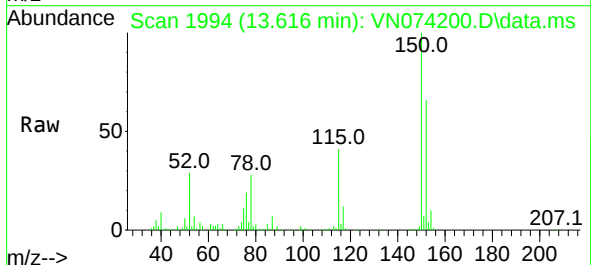
Instrument :
MSVOA_N
ClientSampleId :
WC-1

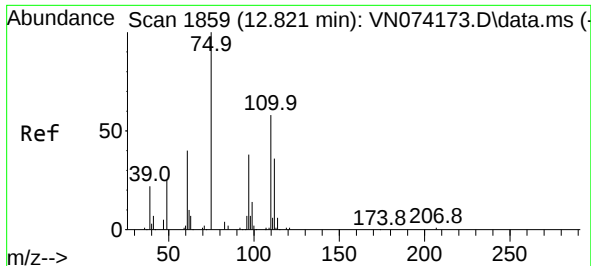
Tgt Ion:173 Resp: 672
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

Tgt Ion:152 Resp: 155477
Ion Ratio Lower Upper
152 100
115 62.5 28.9 86.7
150 155.6 0.0 356.2

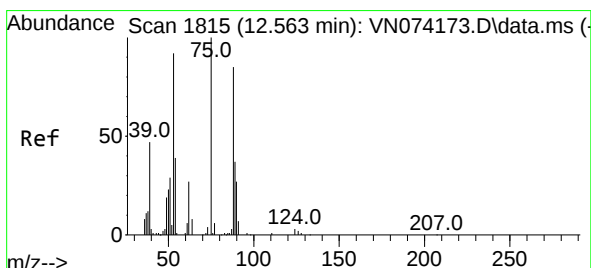
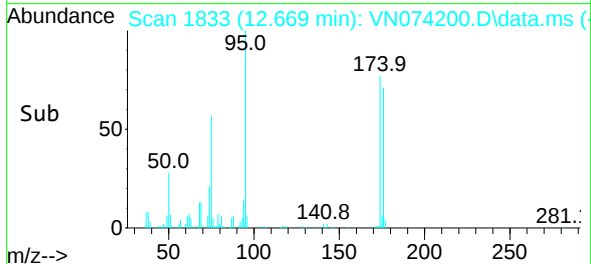
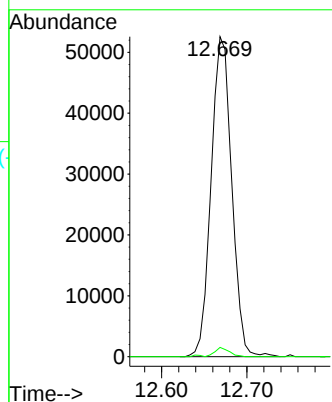
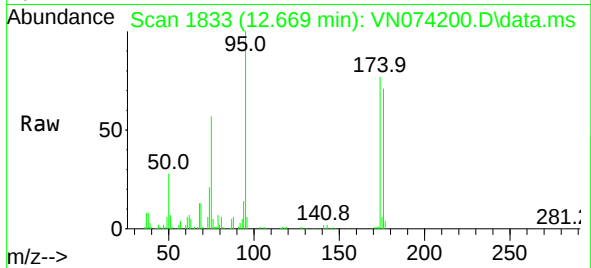




#76
1,2,3-Trichloropropane
Concen: 22.672 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

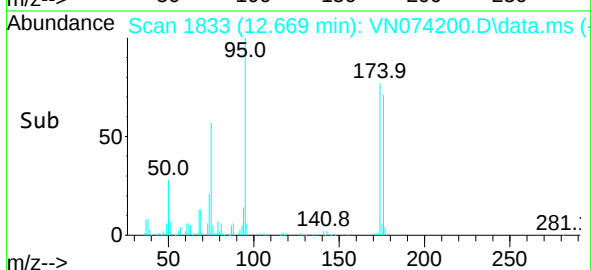
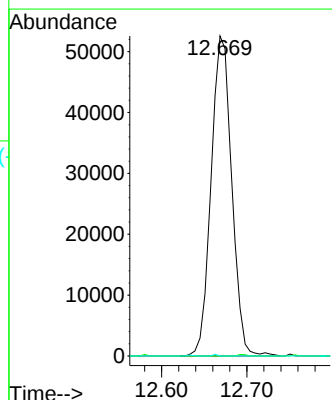
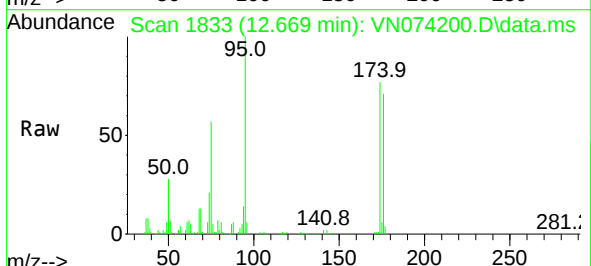
Instrument :
MSVOA_N
ClientSampleId :
WC-1

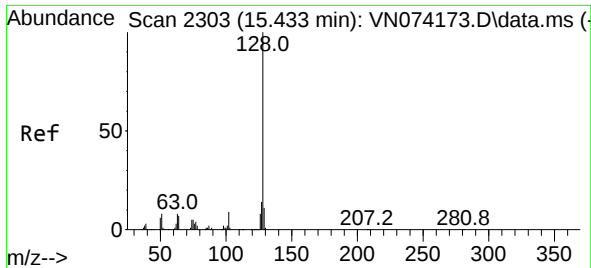
Tgt Ion: 75 Resp: 88328
Ion Ratio Lower Upper
75 100
77 2.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.968 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

Tgt Ion: 75 Resp: 88328
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#





#95
Naphthalene
Concen: 1.198 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074200.D
Acq: 31 Aug 2022 05:52

Instrument :
MSVOA_N
ClientSampleId :
WC-1

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

