

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074219.D
 Acq On : 31 Aug 2022 17:12
 Operator : JC\MD
 Sample : N4423-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2

Quant Time: Sep 01 00:27:40 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)

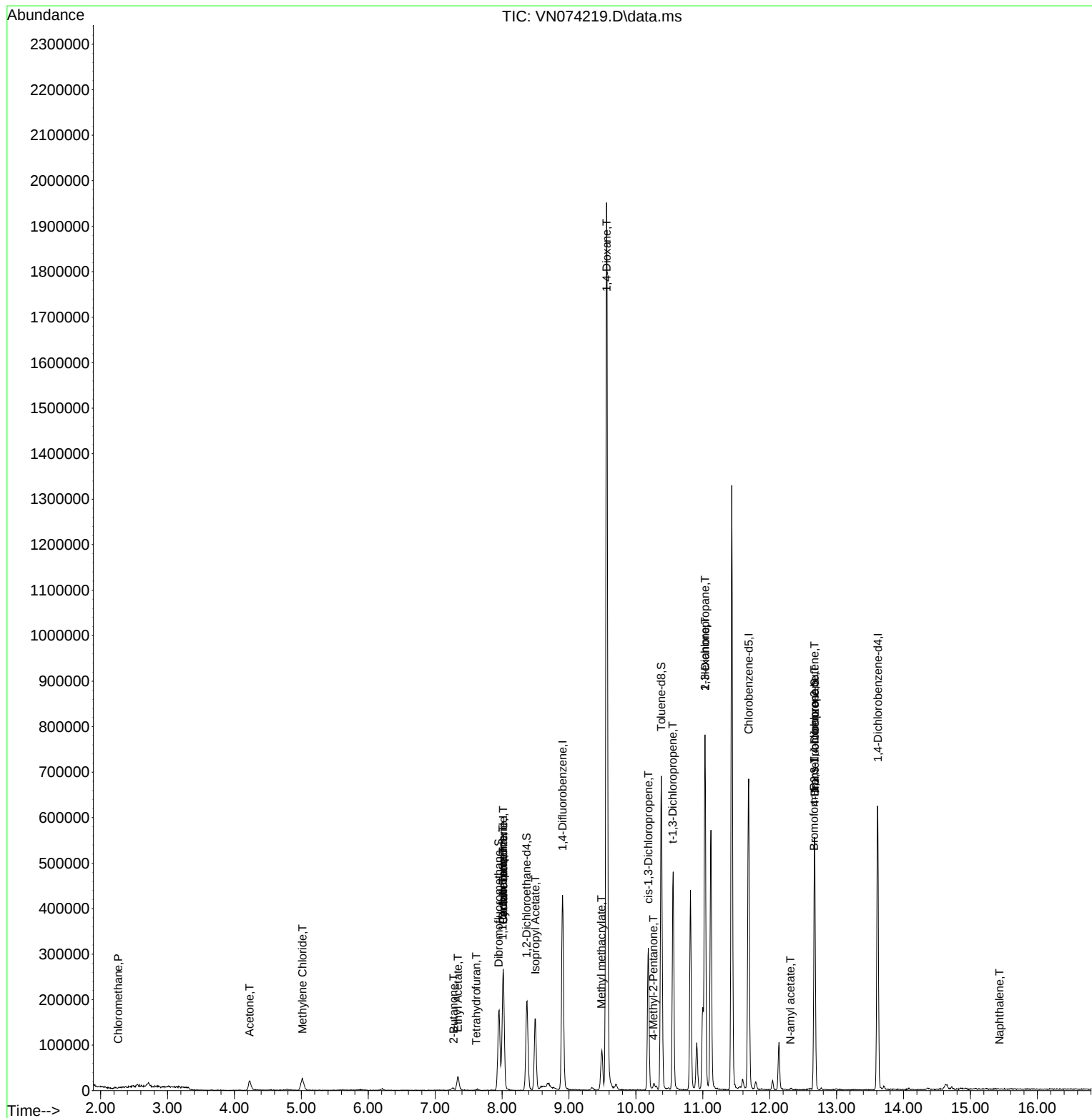
Internal Standards						
1) Pentafluorobenzene	8.016	168	183364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	353162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	358199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	155920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	154378	54.274	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.540%			
35) Dibromofluoromethane	7.951	113	120792	52.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.120%			
50) Toluene-d8	10.380	98	437799	48.375	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.740%			
62) 4-Bromofluorobenzene	12.674	95	171439	62.291	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 124.580%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	796	0.298	ug/l #	43
6) Chloroethane	2.957	64	615	Below Cal	#	42
11) Tert butyl alcohol	5.281	59	199	Below Cal	#	72
16) Acetone	4.228	43	36919	19.424	ug/l	98
18) Methyl Acetate	4.787	43	4373	Below Cal	#	64
20) Methylene Chloride	5.016	84	18504	5.286	ug/l #	84
25) 2-Butanone	7.275	43	7035	2.314	ug/l	99
29) Tetrahydrofuran	7.616	42	920	0.475	ug/l #	37
31) Cyclohexane	8.016	56	5320	1.132	ug/l #	43
36) 1,1-Dichloropropene	8.010	75	17151	4.600	ug/l #	50
37) Ethyl Acetate	7.339	43	48114	7.716	ug/l #	95
38) Carbon Tetrachloride	8.016	117	20636	6.094	ug/l #	18
43) Isopropyl Acetate	8.498	43	180552	21.538	ug/l #	84
48) Methyl methacrylate	9.486	41	6722	1.688	ug/l #	40
49) 1,4-Dioxane	9.563	88	267	3.108	ug/l #	1
51) 4-Methyl-2-Pentanone	10.263	43	10214	1.679	ug/l #	82
53) t-1,3-Dichloropropene	10.551	75	1294	0.330	ug/l	92
54) cis-1,3-Dichloropropene	10.186	75	49969	11.378	ug/l #	75
57) 1,3-Dichloropropane	11.033	76	8028	1.548	ug/l #	42
59) 2-Hexanone	11.033	43	115055	24.920	ug/l #	46
71) Bromoform	12.663	173	1173	0.483	ug/l #	28
74) N-amyl acetate	12.310	43	1692	0.224	ug/l #	42
76) 1,2,3-Trichloropropane	12.669	75	97343	25.133	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	97343	64.802	ug/l #	11
95) Naphthalene	15.433	128	579	1.199	ug/l #	56

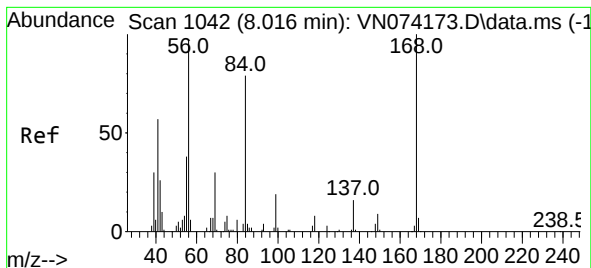
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
Data File : VN074219.D
Acq On : 31 Aug 2022 17:12
Operator : JC\MD
Sample : N4423-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-2

Quant Time: Sep 01 00:27:40 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

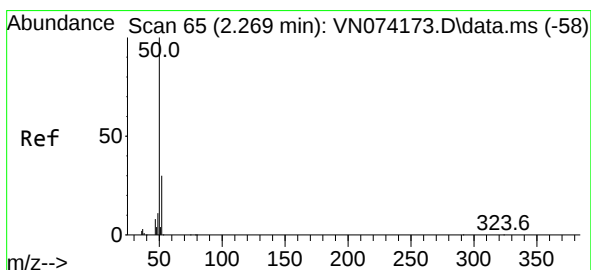
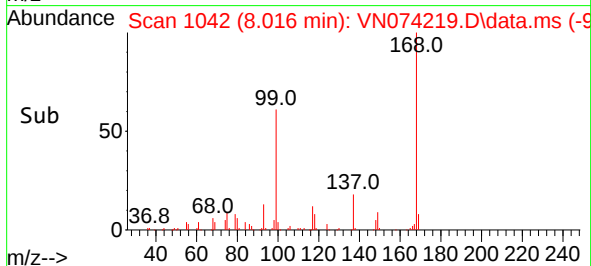
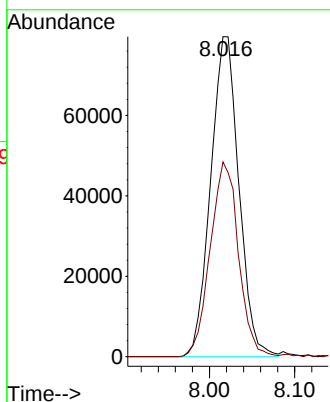
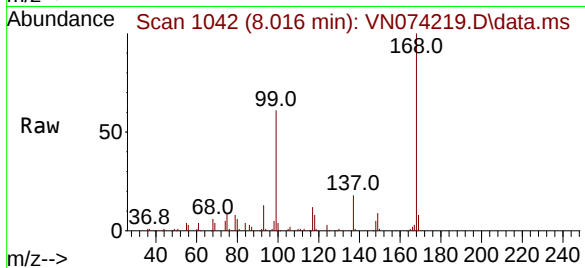




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

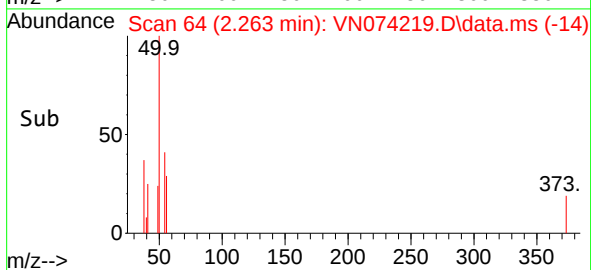
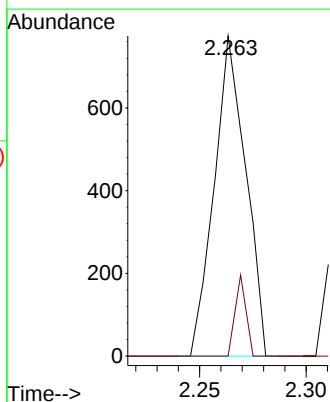
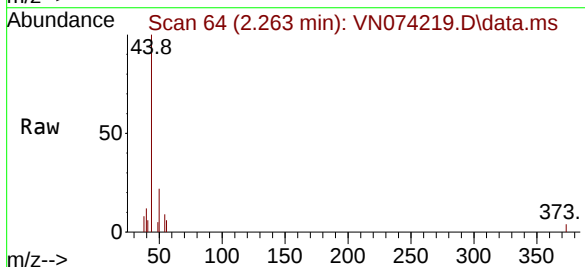
Instrument :
MSVOA_N
ClientSampleId :
WC-2

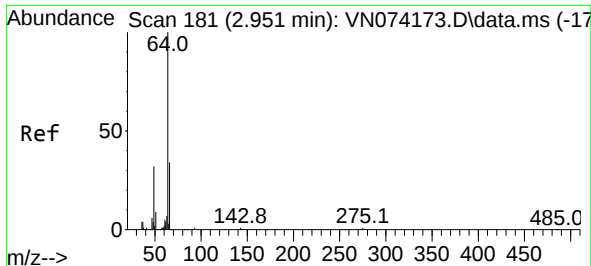
Tgt Ion:168 Resp: 183364
Ion Ratio Lower Upper
168 100
99 60.9 42.3 63.5



#3
Chloromethane
Concen: 0.298 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

Tgt Ion: 50 Resp: 796
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

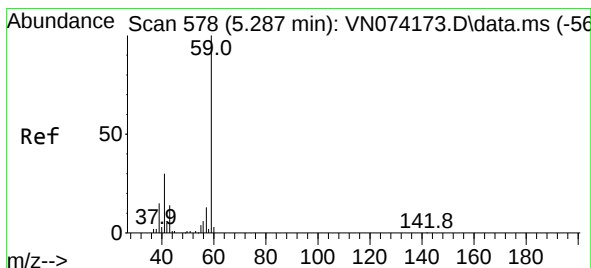
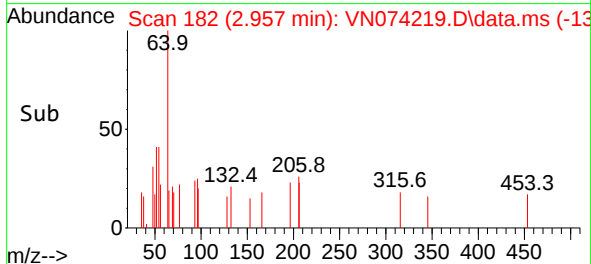
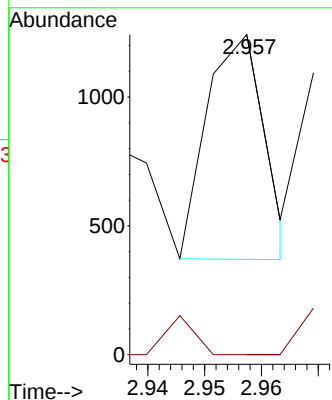
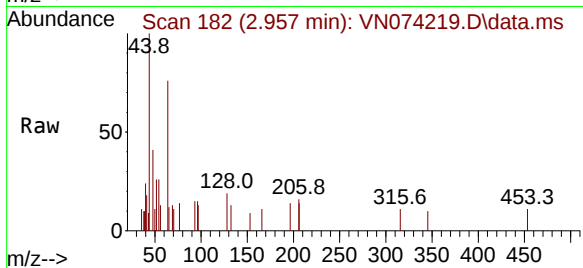




#6
Chloroethane
Concen: Below Cal
RT: 2.957 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

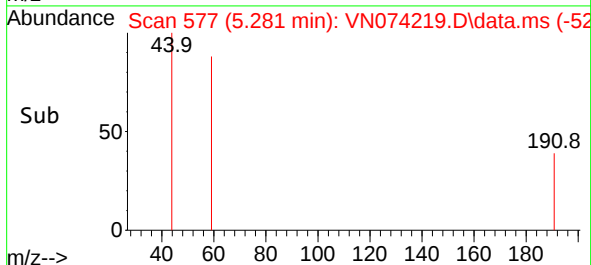
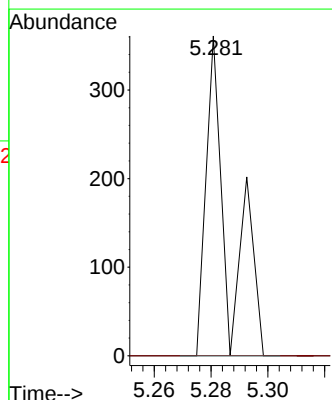
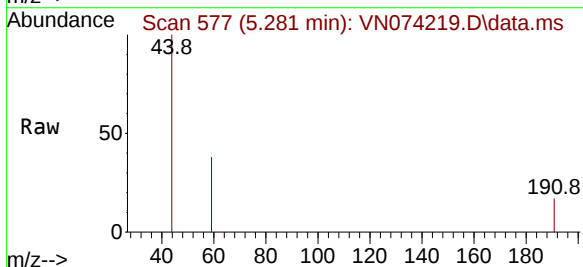
Instrument :
MSVOA_N
ClientSampleId :
WC-2

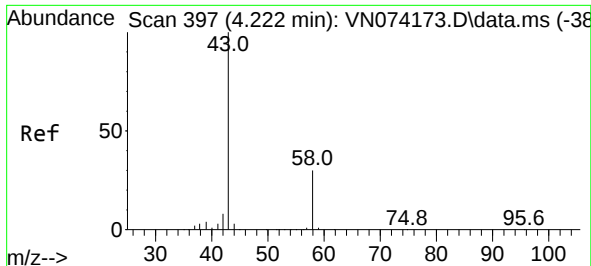
Tgt Ion: 64 Resp: 615
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.281 min Scan# 577
Delta R.T. -0.006 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

Tgt Ion: 59 Resp: 199
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

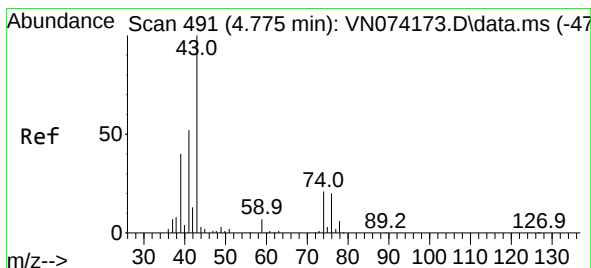
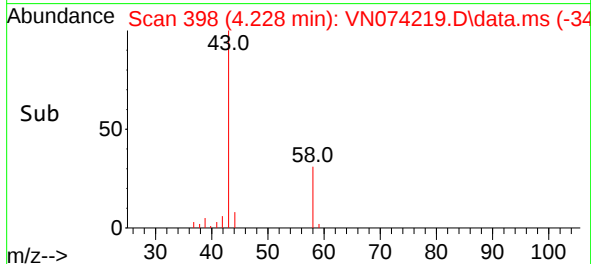
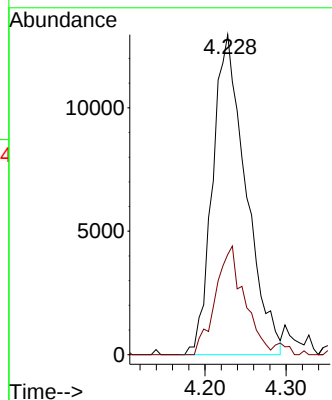
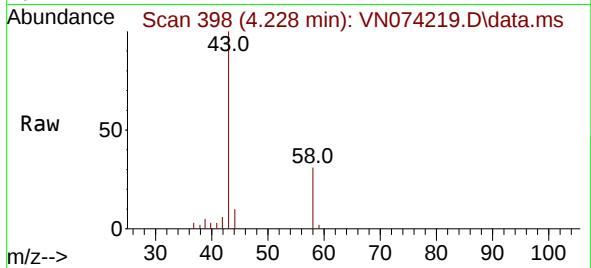




#16
Acetone
Concen: 19.424 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

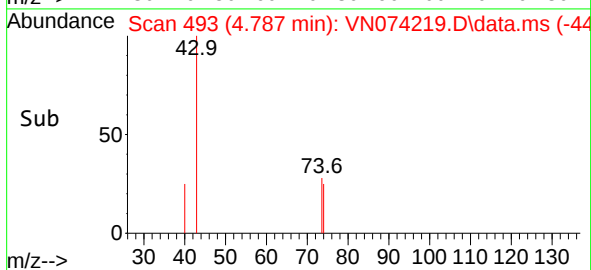
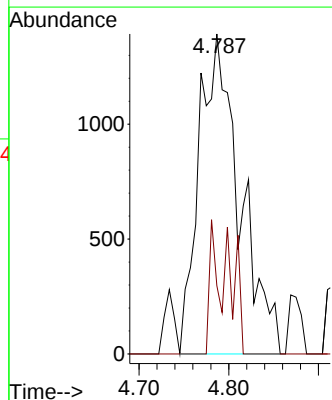
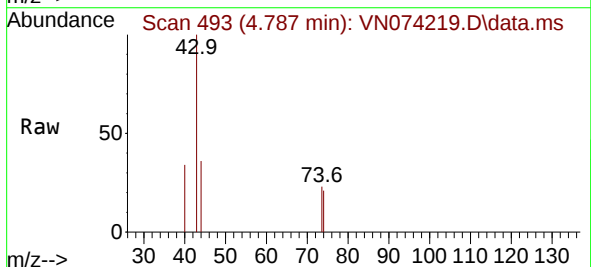
Instrument :
MSVOA_N
ClientSampleId :
WC-2

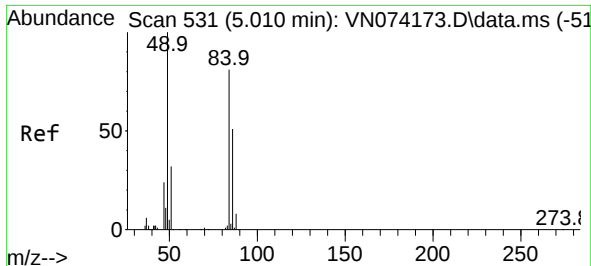
Tgt Ion: 43 Resp: 36919
Ion Ratio Lower Upper
43 100
58 31.3 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.012 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

Tgt Ion: 43 Resp: 4373
Ion Ratio Lower Upper
43 100
74 8.6 21.6 32.4#

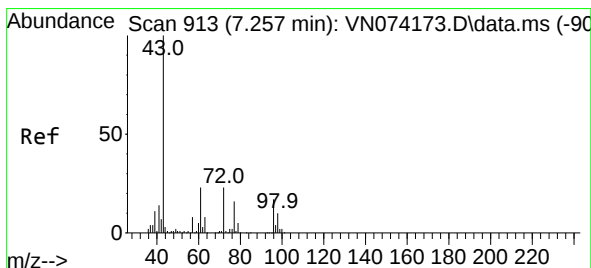
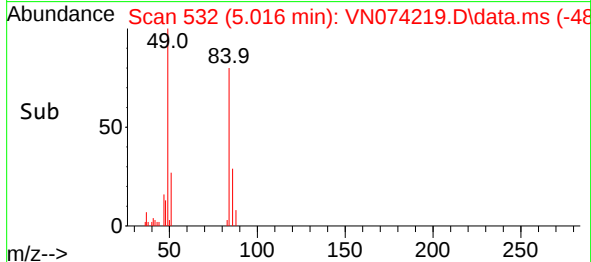
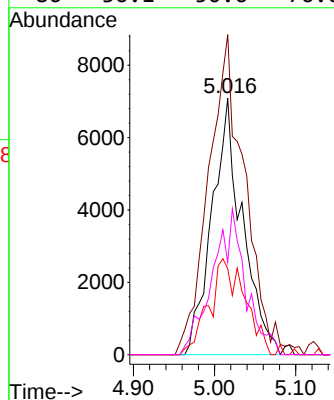
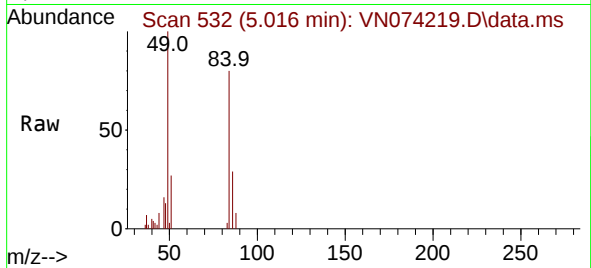




#20
Methylene Chloride
Concen: 5.286 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

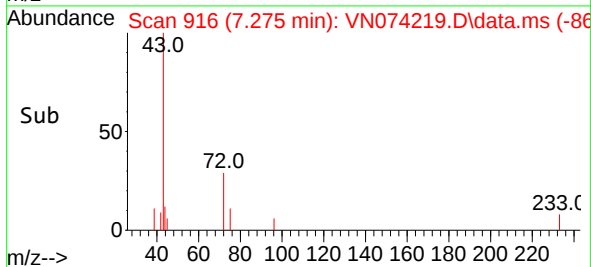
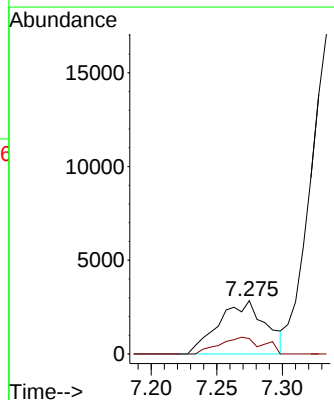
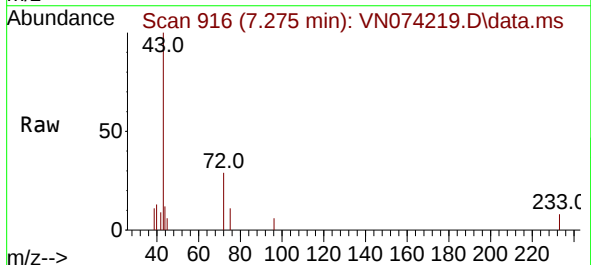
Instrument :
MSVOA_N
ClientSampleId :
WC-2

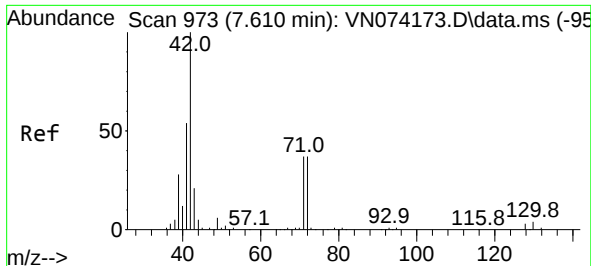
Tgt Ion:	84	Resp:	18504
Ion	Ratio	Lower	Upper
84	100		
49	120.8	88.3	132.5
51	33.5	28.2	42.2
86	36.1	50.6	76.0



#25
2-Butanone
Concen: 2.314 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

Tgt Ion:	43	Resp:	7035
Ion	Ratio	Lower	Upper
43	100		
72	29.0	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.475 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN074219.D

Acq: 31 Aug 2022 17:12

Instrument :

MSVOA_N

ClientSampleId :

WC-2

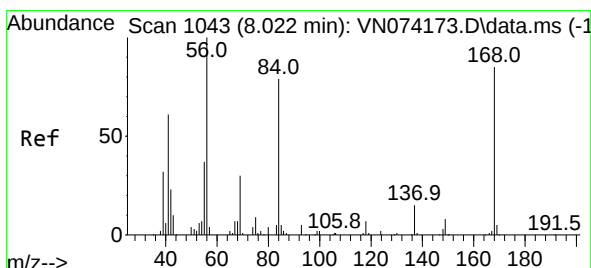
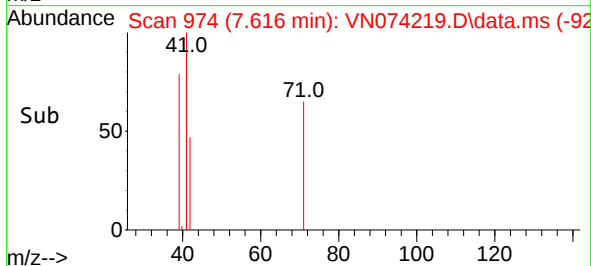
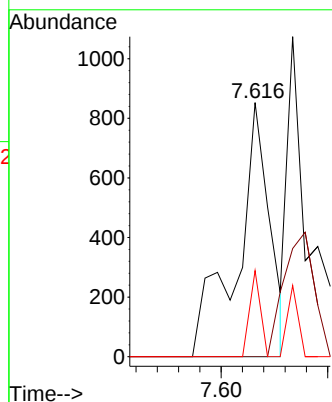
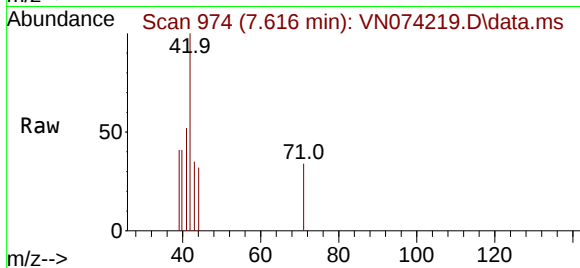
Tgt Ion: 42 Resp: 920

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 11.1 36.6 55.0#



#31

Cyclohexane

Concen: 1.132 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074219.D

Acq: 31 Aug 2022 17:12

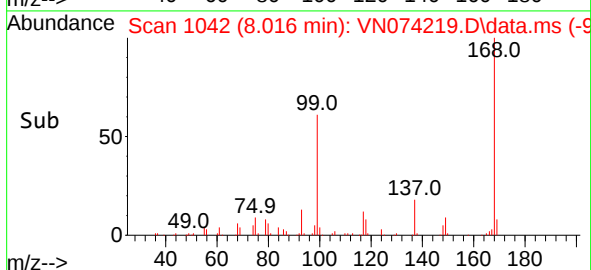
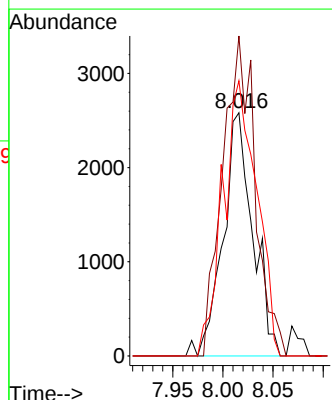
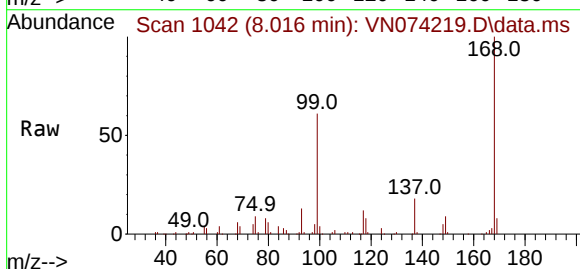
Tgt Ion: 56 Resp: 5320

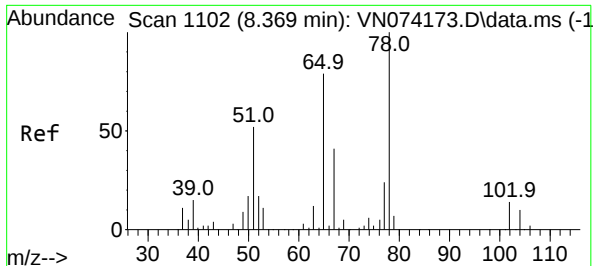
Ion Ratio Lower Upper

56 100

69 131.6 27.8 41.8#

84 113.2 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 54.274 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074219.D

Acq: 31 Aug 2022 17:12

Instrument :

MSVOA_N

ClientSampleId :

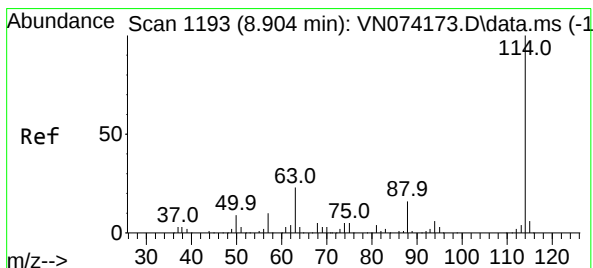
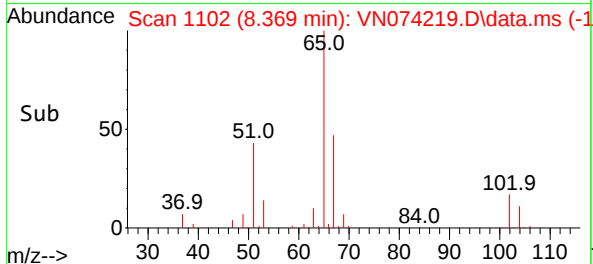
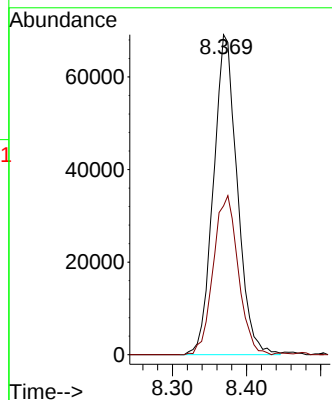
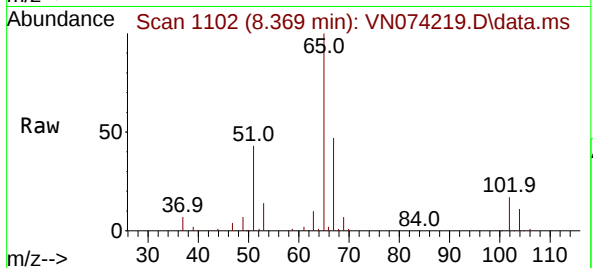
WC-2

Tgt Ion: 65 Resp: 154378

Ion Ratio Lower Upper

65 100

67 52.0 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: VN074219.D

Acq: 31 Aug 2022 17:12

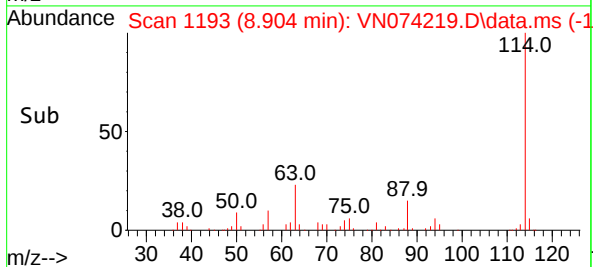
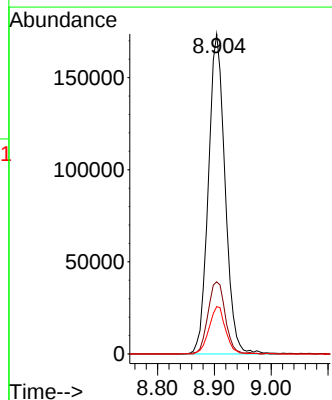
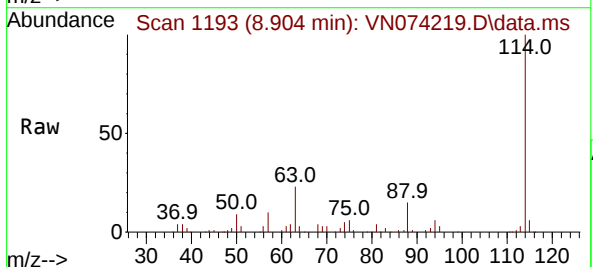
Tgt Ion: 114 Resp: 353162

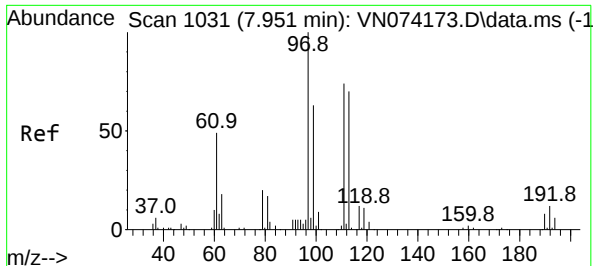
Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.0

88 14.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.562 ug/l

RT: 7.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074219.D

Acq: 31 Aug 2022 17:12

Instrument :

MSVOA_N

ClientSampleId :

WC-2

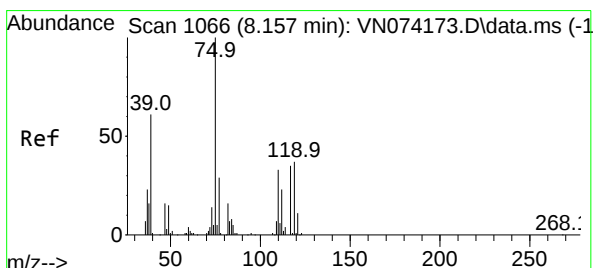
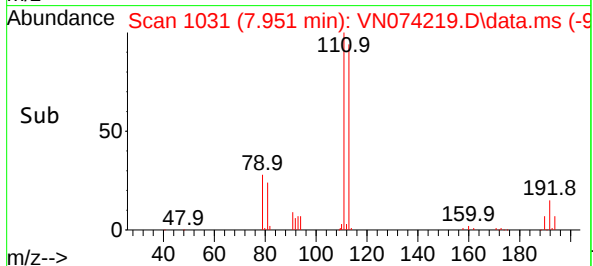
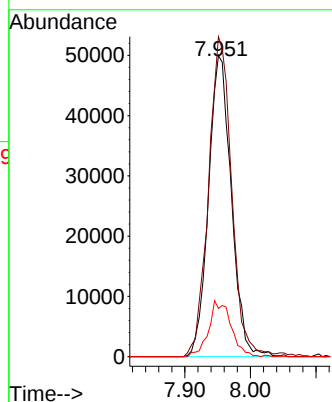
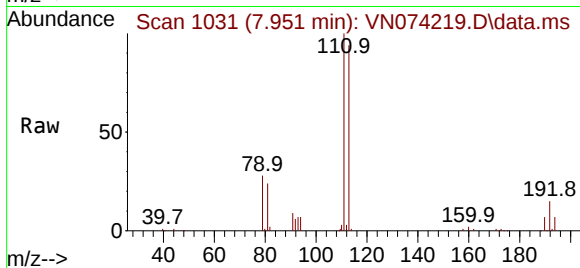
Tgt Ion:113 Resp: 120792

Ion Ratio Lower Upper

113 100

111 107.9 81.4 122.0

192 18.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.600 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.147 min

Lab File: VN074219.D

Acq: 31 Aug 2022 17:12

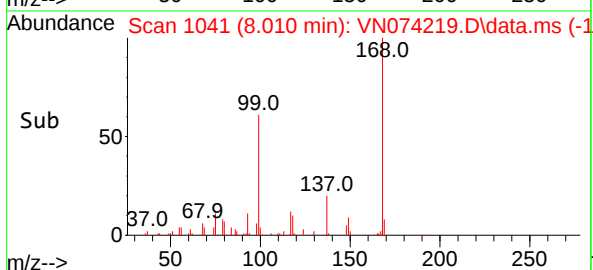
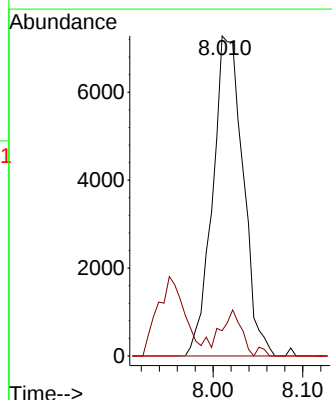
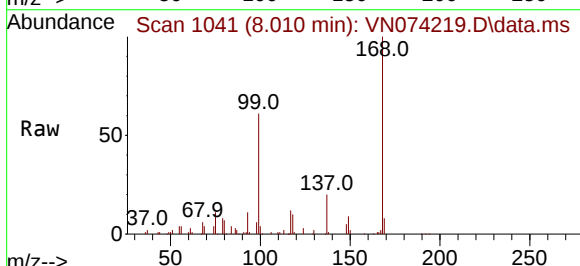
Tgt Ion: 75 Resp: 17151

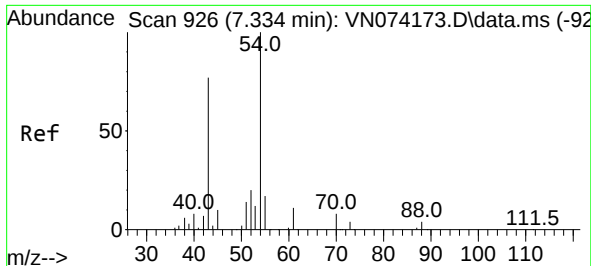
Ion Ratio Lower Upper

75 100

110 10.5 18.3 54.8#

77 0.0 25.1 37.7#

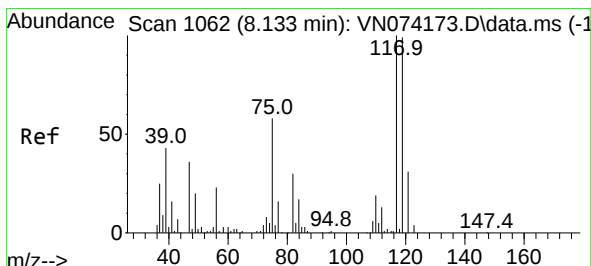
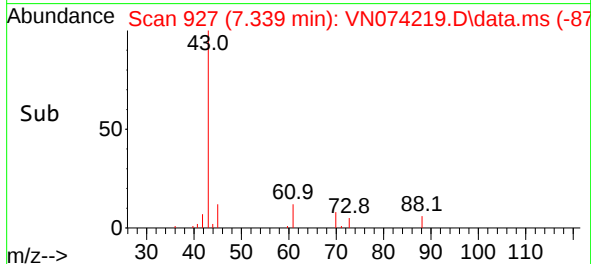
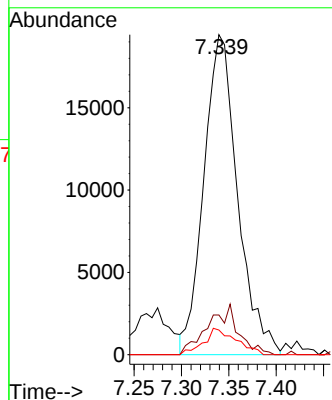
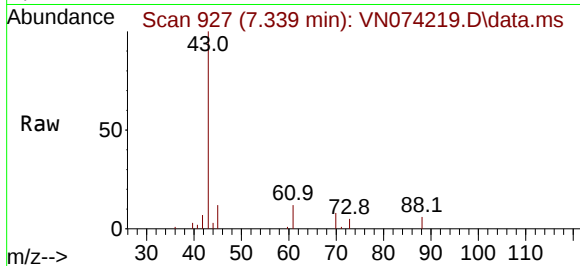




#37
Ethyl Acetate
Concen: 7.716 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

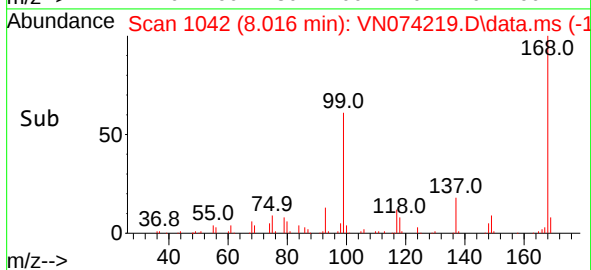
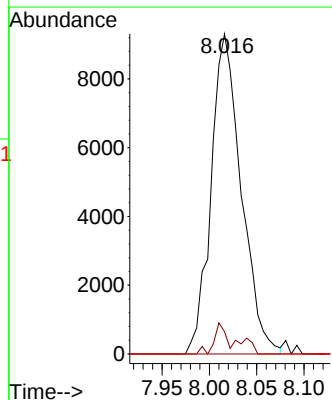
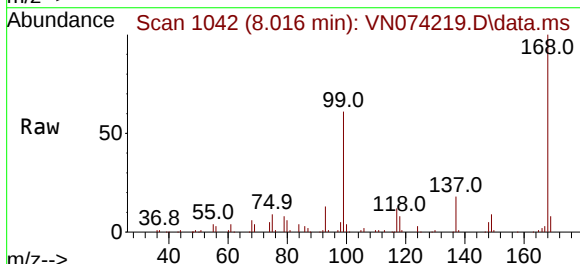
Instrument :
MSVOA_N
ClientSampleId :
WC-2

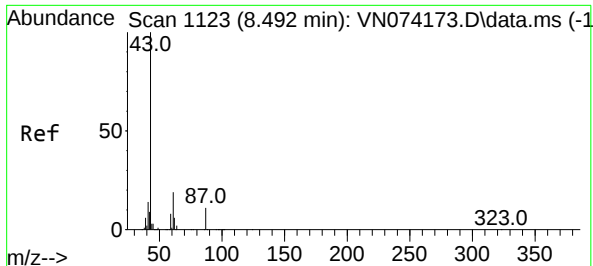
Tgt Ion: 43 Resp: 48114
Ion Ratio Lower Upper
43 100
61 14.3 11.8 17.6
70 7.9 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.094 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

Tgt Ion: 117 Resp: 20636
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.8#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 21.538 ug/l

RT: 8.498 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN074219.D

Acq: 31 Aug 2022 17:12

Instrument :

MSVOA_N

ClientSampleId :

WC-2

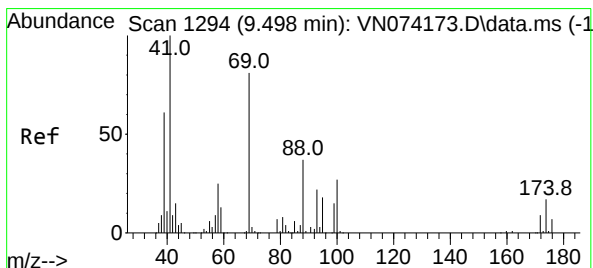
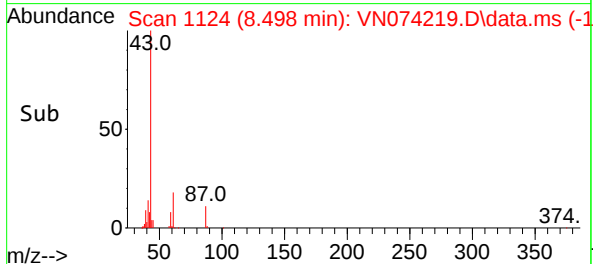
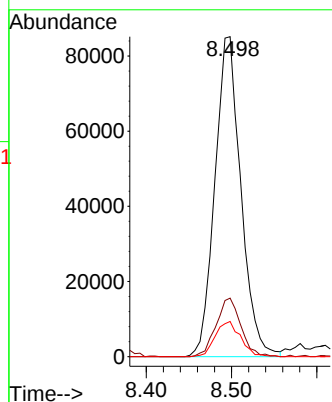
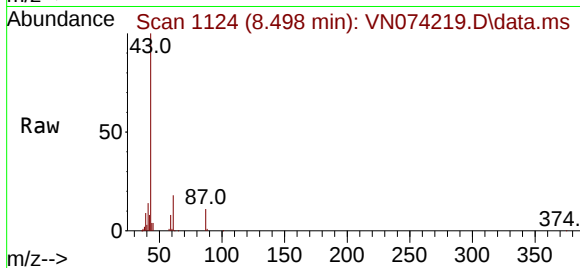
Tgt Ion: 43 Resp: 180552

Ion Ratio Lower Upper

43 100

61 17.4 21.9 32.9#

87 10.8 12.0 18.0#



#48

Methyl methacrylate

Concen: 1.688 ug/l

RT: 9.486 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VN074219.D

Acq: 31 Aug 2022 17:12

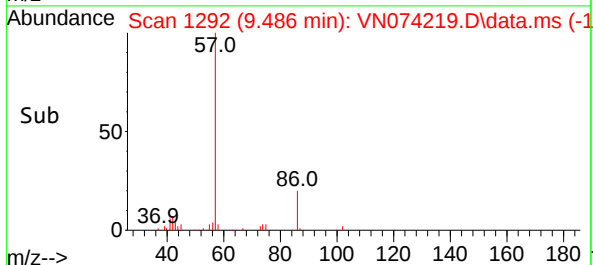
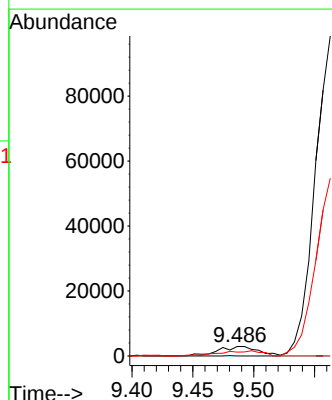
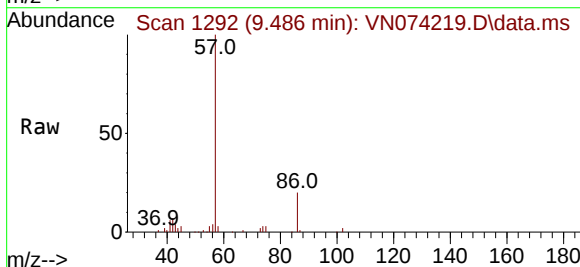
Tgt Ion: 41 Resp: 6722

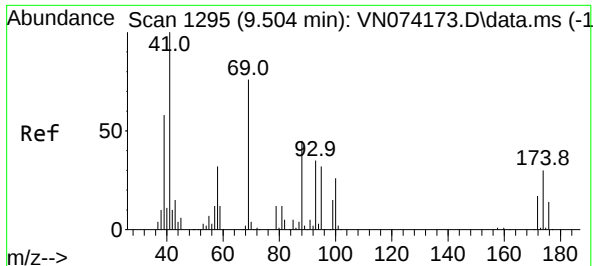
Ion Ratio Lower Upper

41 100

69 0.9 74.7 112.1#

39 56.1 45.6 68.4

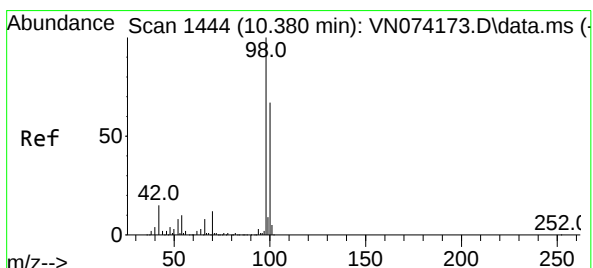
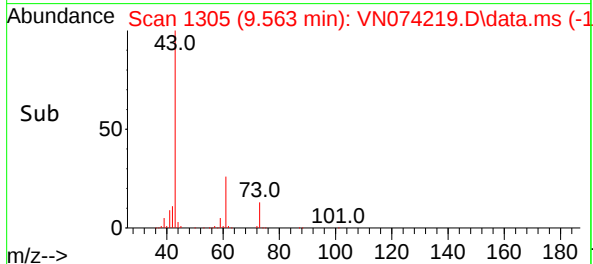
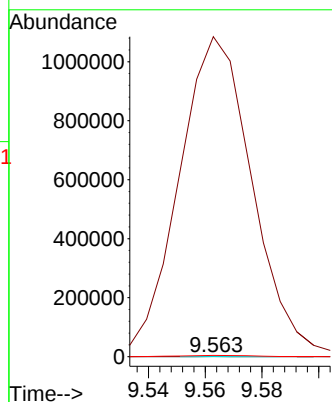
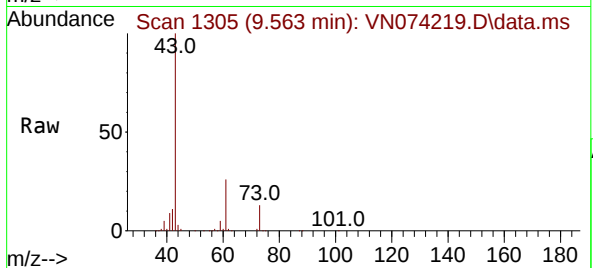




#49
1,4-Dioxane
Concen: 3.108 ug/l
RT: 9.563 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

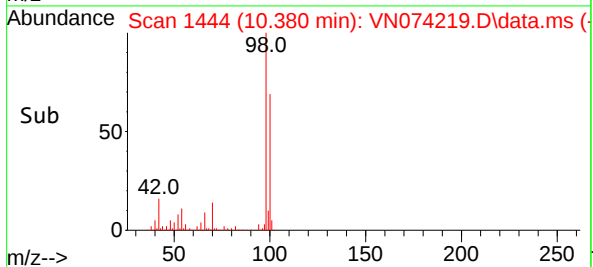
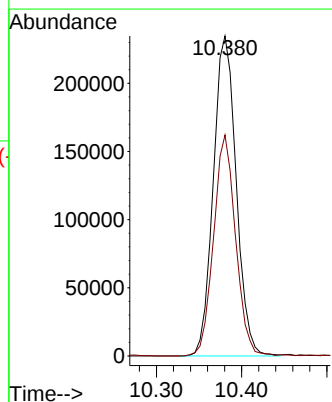
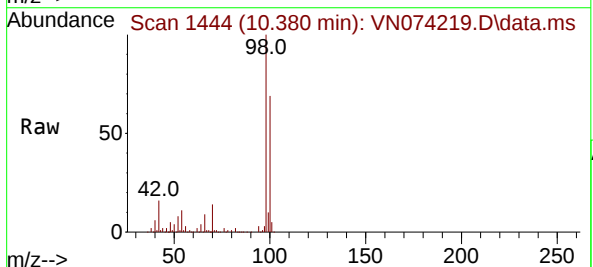
Instrument :
MSVOA_N
ClientSampleId :
WC-2

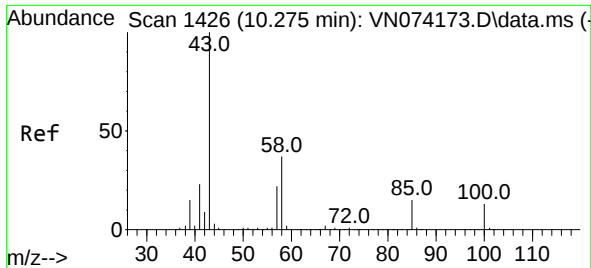
Tgt Ion: 88 Resp: 267
Ion Ratio Lower Upper
88 100
43 742116.9 20.2 30.4#
58 3217.6 54.2 81.4#



#50
Toluene-d8
Concen: 48.375 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

Tgt Ion: 98 Resp: 437799
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8

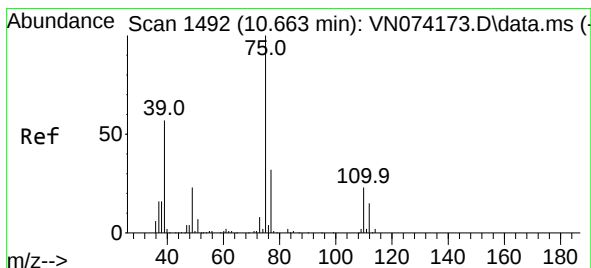
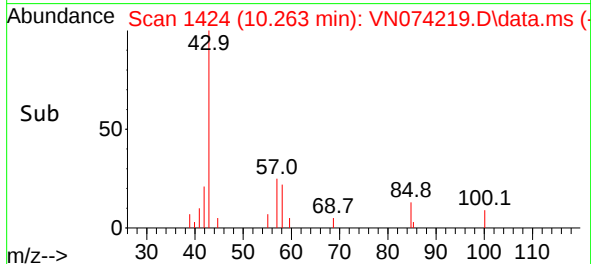
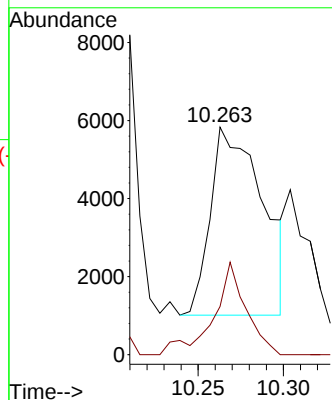
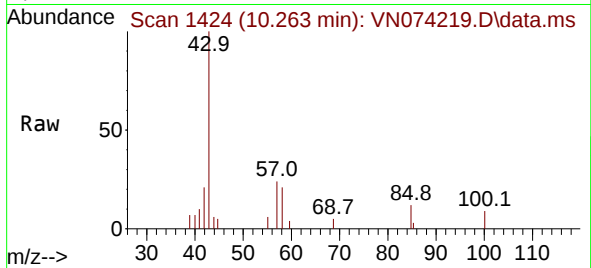




#51
4-Methyl-2-Pentanone
Concen: 1.679 ug/l
RT: 10.263 min Scan# 1426
Delta R.T. -0.012 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

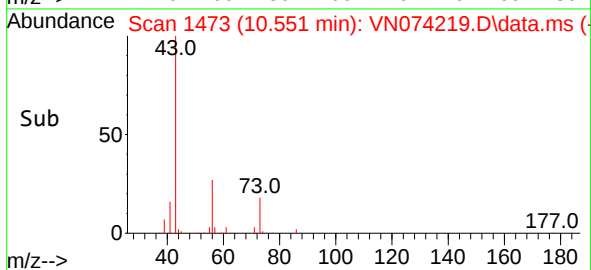
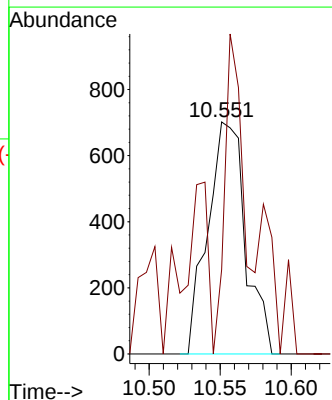
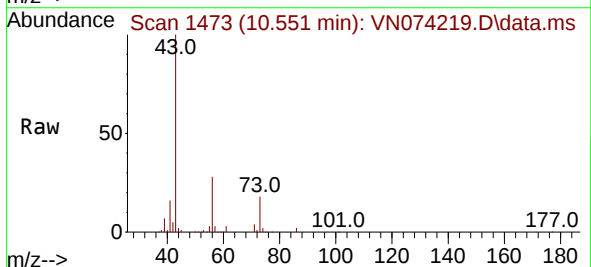
Instrument :
MSVOA_N
ClientSampleId :
WC-2

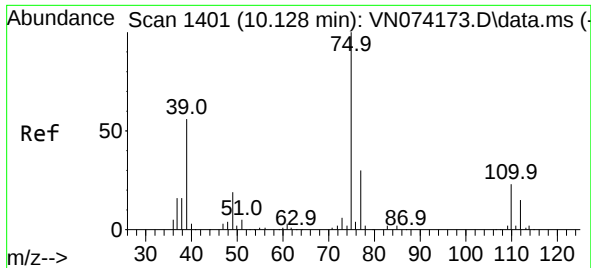
Tgt Ion: 43 Resp: 10214
Ion Ratio Lower Upper
43 100
58 31.0 34.1 51.1#



#53
t-1,3-Dichloropropene
Concen: 0.330 ug/l
RT: 10.551 min Scan# 1473
Delta R.T. -0.112 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

Tgt Ion: 75 Resp: 1294
Ion Ratio Lower Upper
75 100
77 36.3 25.6 38.4

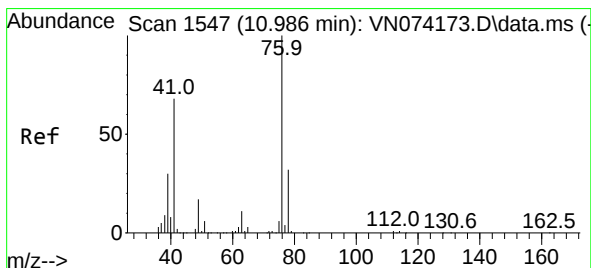
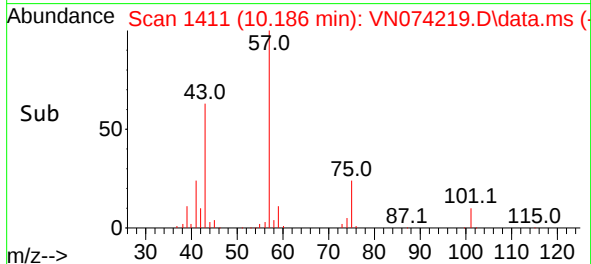
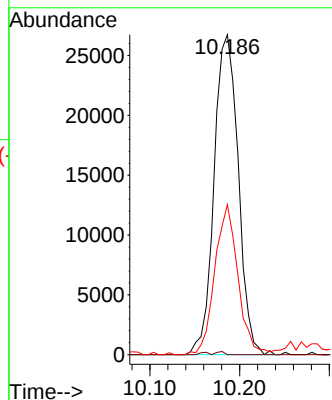
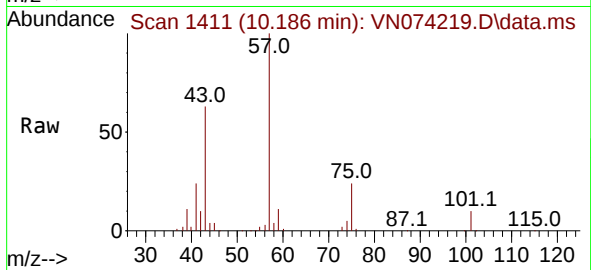




#54
 cis-1,3-Dichloropropene
 Concen: 11.378 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN074219.D
 Acq: 31 Aug 2022 17:12

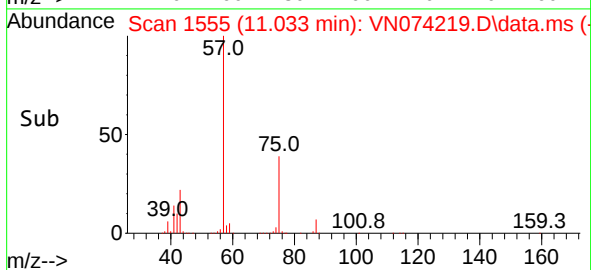
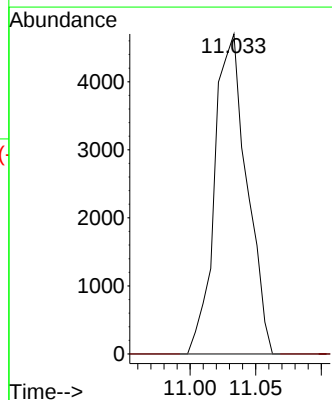
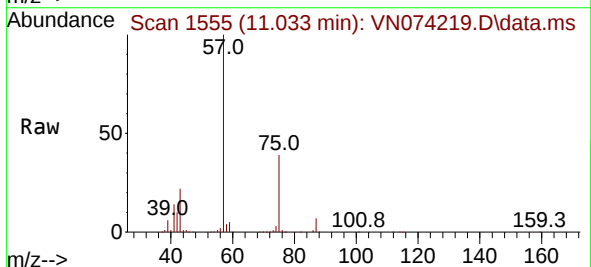
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-2

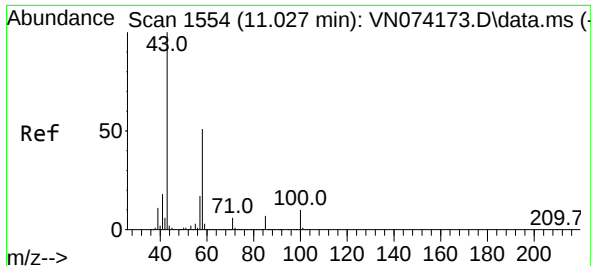
Tgt Ion: 75 Resp: 49969
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 46.0 35.7 53.5



#57
 1,3-Dichloropropane
 Concen: 1.548 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN074219.D
 Acq: 31 Aug 2022 17:12

Tgt Ion: 76 Resp: 8028
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

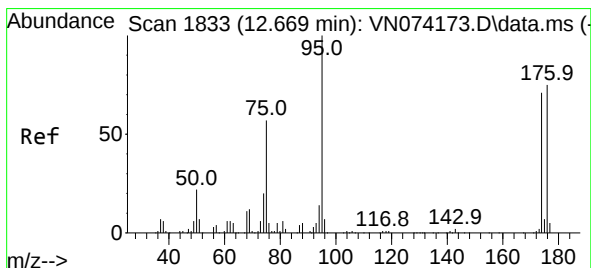
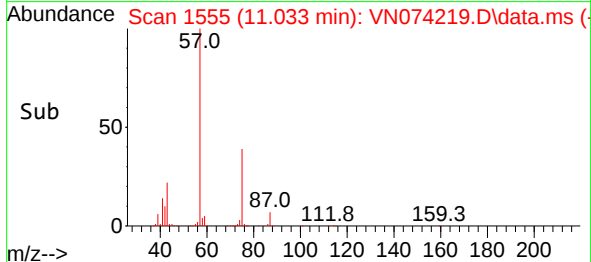
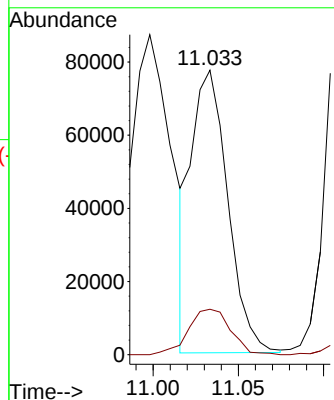
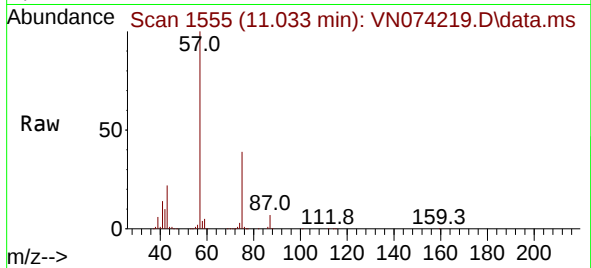




#59
2-Hexanone
Concen: 24.920 ug/l
RT: 11.033 min Scan# 115055
Delta R.T. 0.006 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

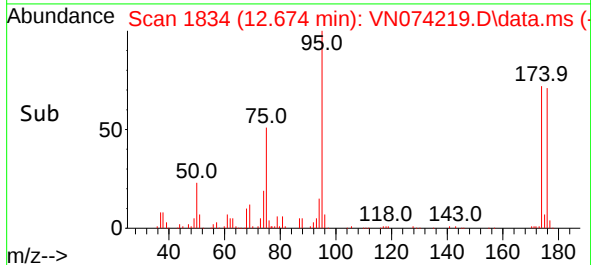
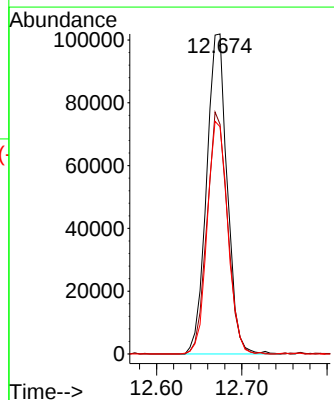
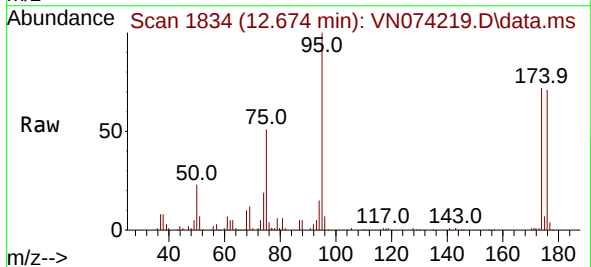
Instrument :
MSVOA_N
ClientSampleId :
WC-2

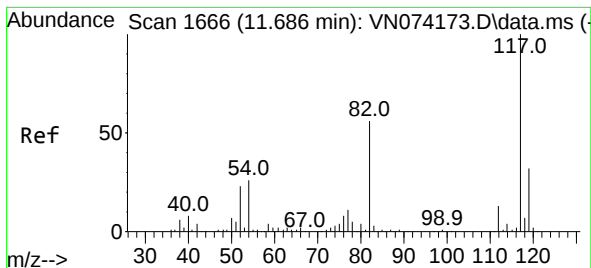
Tgt Ion: 43 Resp: 115055
Ion Ratio Lower Upper
43 100
58 18.6 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 62.291 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

Tgt Ion: 95 Resp: 171439
Ion Ratio Lower Upper
95 100
174 74.9 0.0 167.6
176 72.5 0.0 163.4

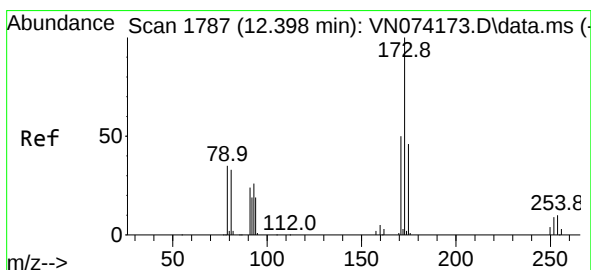
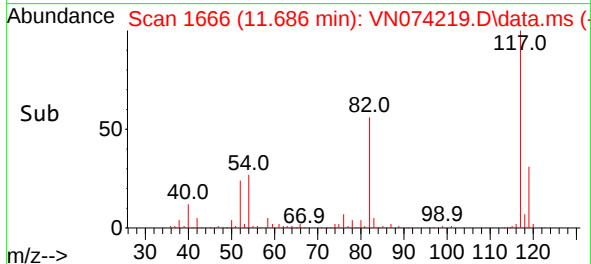
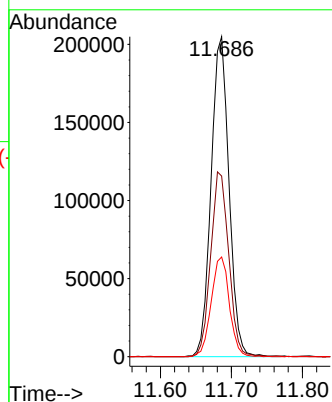
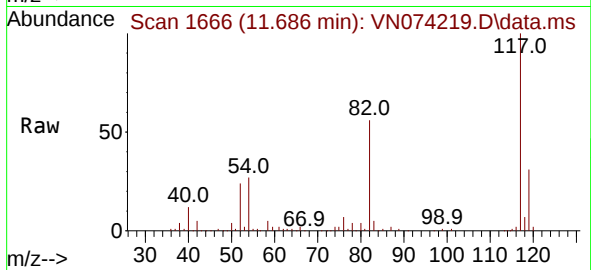




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

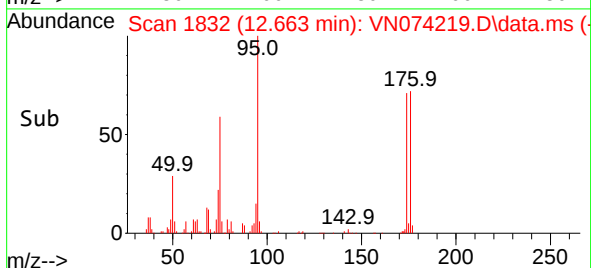
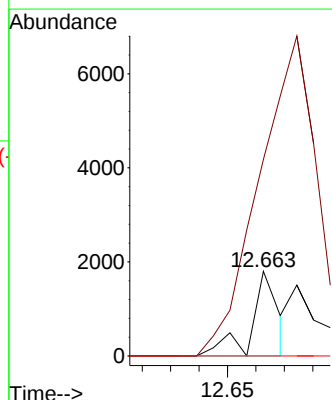
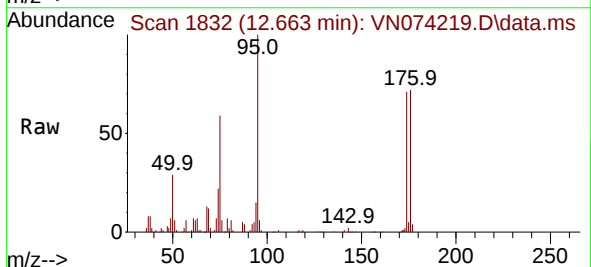
Instrument :
MSVOA_N
ClientSampleId :
WC-2

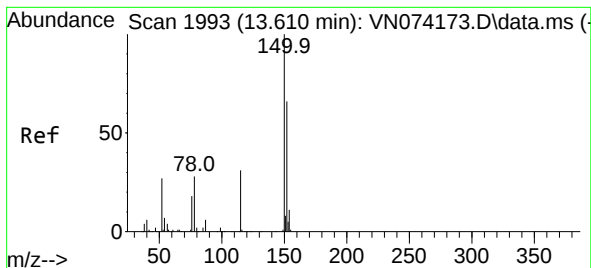
Tgt Ion:117 Resp: 358199
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.2
119 31.1 25.4 38.0



#71
Bromoform
Concen: 0.483 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.265 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

Tgt Ion:173 Resp: 1173
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: VN074219.D

Acq: 31 Aug 2022 17:12

Instrument :

MSVOA_N

ClientSampleId :

WC-2

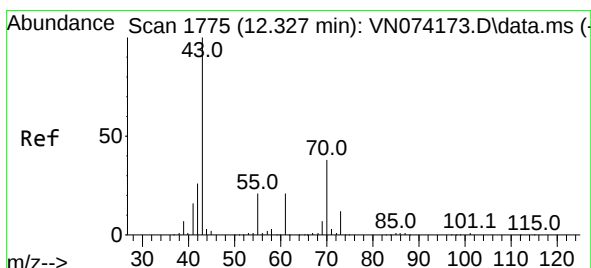
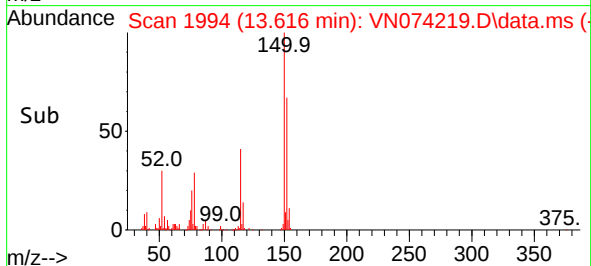
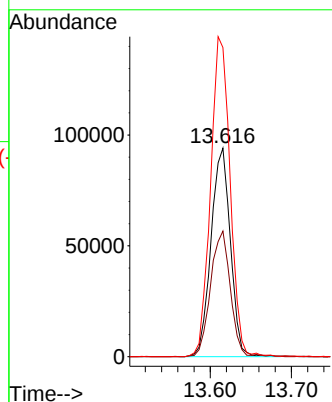
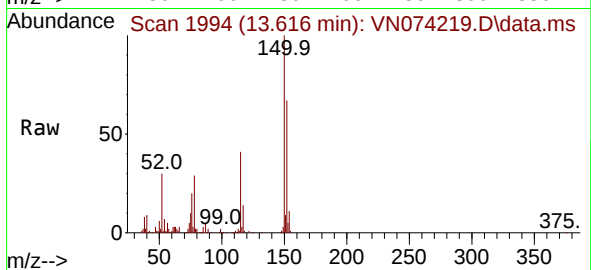
Tgt Ion:152 Resp: 155920

Ion Ratio Lower Upper

152 100

115 61.1 28.9 86.7

150 154.9 0.0 356.2



#74

N-ethyl acetate

Concen: 0.224 ug/l

RT: 12.310 min Scan# 1772

Delta R.T. -0.018 min

Lab File: VN074219.D

Acq: 31 Aug 2022 17:12

Tgt Ion: 43 Resp: 1692

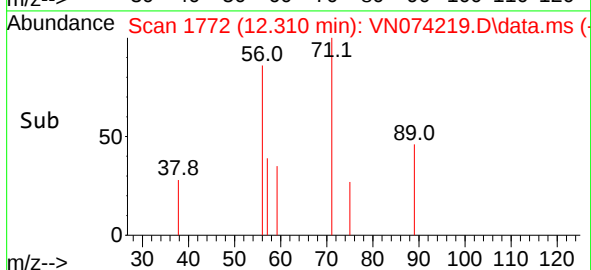
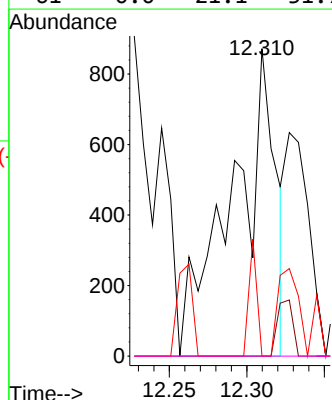
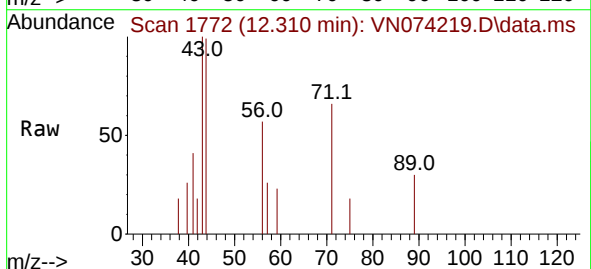
Ion Ratio Lower Upper

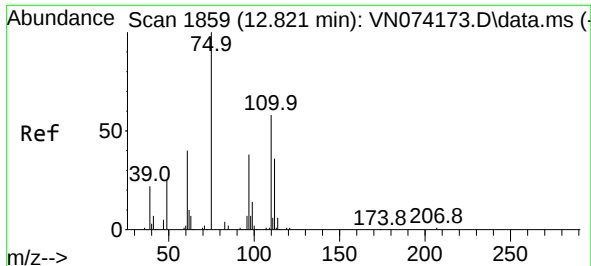
43 100

70 0.0 39.0 58.4#

55 6.9 21.1 31.7#

61 0.0 21.1 31.7#

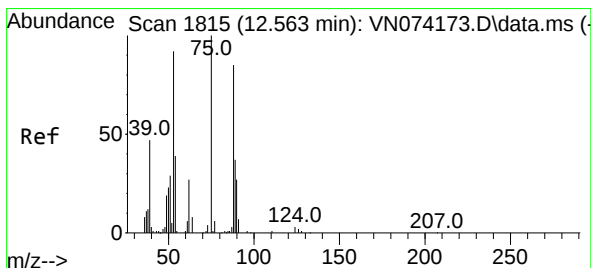
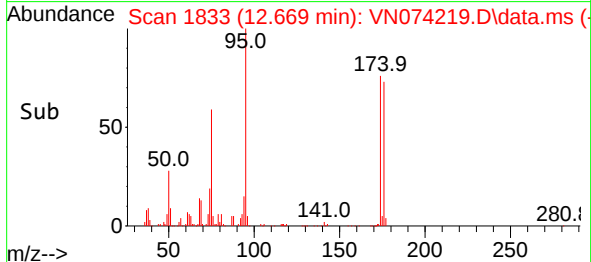
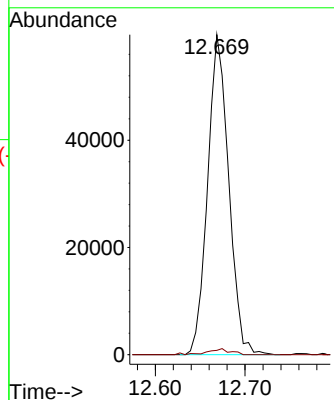
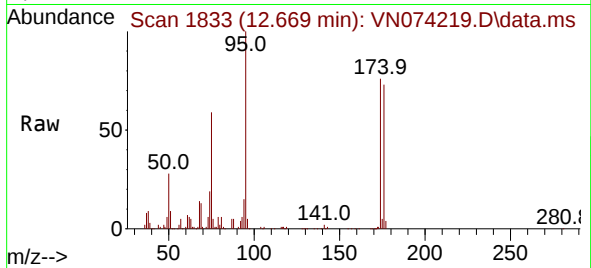




#76
1,2,3-Trichloropropane
Concen: 25.133 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

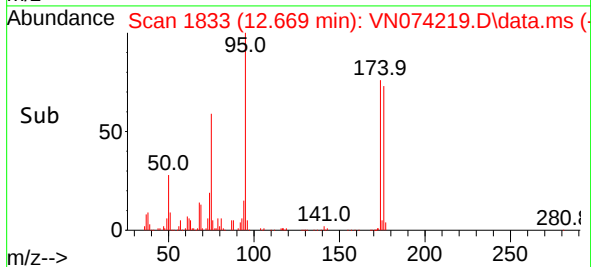
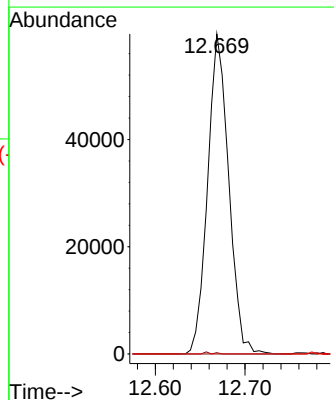
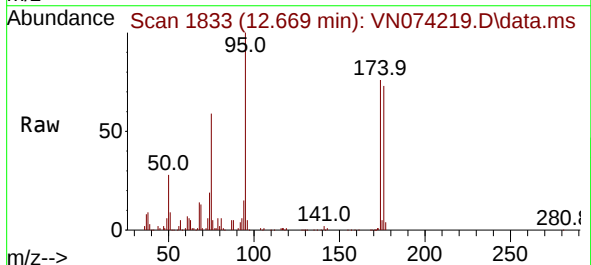
Instrument :
MSVOA_N
ClientSampleId :
WC-2

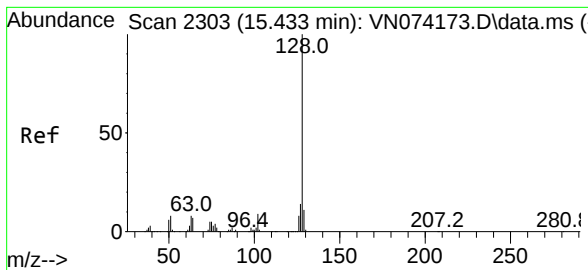
Tgt Ion: 75 Resp: 97343
Ion Ratio Lower Upper
75 100
77 1.9 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.802 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

Tgt Ion: 75 Resp: 97343
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 1.199 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074219.D
Acq: 31 Aug 2022 17:12

Instrument :
MSVOA_N
ClientSampleId :
WC-2

Tgt Ion:128 Resp: 579
Ion Ratio Lower Upper
128 100
127 35.4 10.3 15.5#
129 0.0 8.6 13.0#

