

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
 Data File : VN074192.D
 Acq On : 31 Aug 2022 02:36
 Operator : JC\MD
 Sample : N4379-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-DRUMS

Quant Time: Aug 31 07:07:10 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)

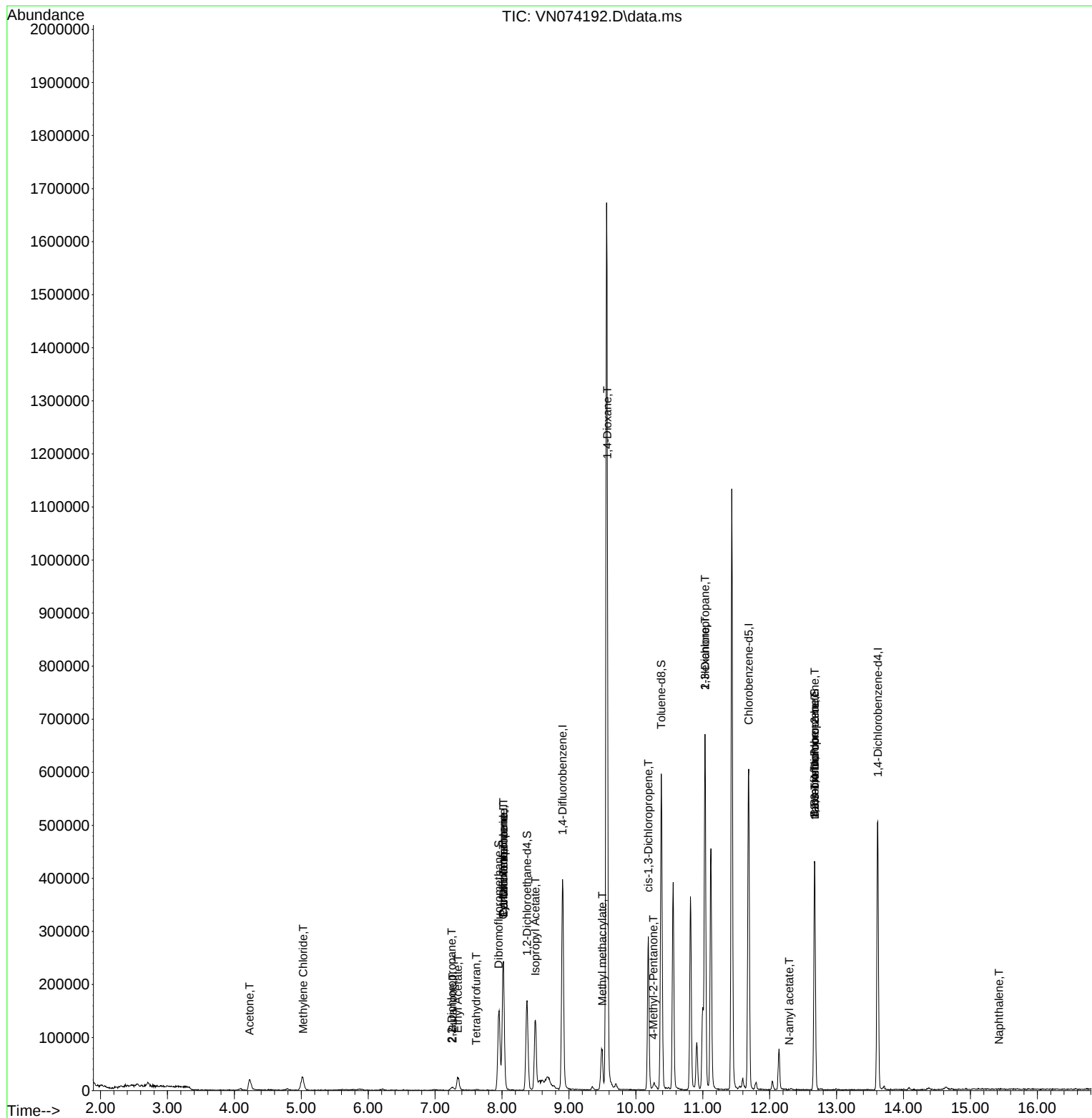
Internal Standards						
1) Pentafluorobenzene	8.022	168	171476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	322539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	328652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	124244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	133061	50.023	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.040%			
35) Dibromofluoromethane	7.951	113	111313	53.036	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.080%			
50) Toluene-d8	10.381	98	373486	45.186	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.380%			
62) 4-Bromofluorobenzene	12.669	95	131277	52.227	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.460%			
Target Compounds					Qvalue	
6) Chloroethane	2.940	64	243	Below Cal	#	42
11) Tert butyl alcohol	5.304	59	201	Below Cal	#	72
16) Acetone	4.228	43	38639	21.738	ug/l #	82
18) Methyl Acetate	4.769	43	2336	Below Cal	#	48
20) Methylene Chloride	5.028	84	17174	5.228	ug/l	91
25) 2-Butanone	7.263	43	7338	2.581	ug/l	91
26) 2,2-Dichloropropane	7.245	77	57	0.287	ug/l #	53
28) Bromochloromethane	7.404	49	64	Below Cal	#	8
29) Tetrahydrofuran	7.616	42	661	0.365	ug/l #	38
31) Cyclohexane	8.016	56	5442	1.238	ug/l #	73
36) 1,1-Dichloropropene	8.022	75	15583	4.576	ug/l #	49
37) Ethyl Acetate	7.340	43	38356	6.735	ug/l #	95
38) Carbon Tetrachloride	8.022	117	18347	5.933	ug/l #	19
43) Isopropyl Acetate	8.498	43	163540	21.361	ug/l #	83
48) Methyl methacrylate	9.498	41	5626	1.547	ug/l #	39
49) 1,4-Dioxane	9.575	88	58	0.739	ug/l #	1
51) 4-Methyl-2-Pentanone	10.263	43	14846	2.672	ug/l #	66
54) cis-1,3-Dichloropropene	10.186	75	43144	10.757	ug/l #	71
57) 1,3-Dichloropropane	11.033	76	7552	1.594	ug/l #	42
59) 2-Hexanone	11.033	43	99594	23.619	ug/l #	46
71) Bromoform	12.669	173	1247	0.560	ug/l #	1
74) N-amyl acetate	12.292	43	1279	0.212	ug/l #	41
76) 1,2,3-Trichloropropane	12.675	75	77952	25.269	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	77952	65.124	ug/l #	11
95) Naphthalene	15.427	128	214	1.173	ug/l #	69

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

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Response via : Initial Calibration

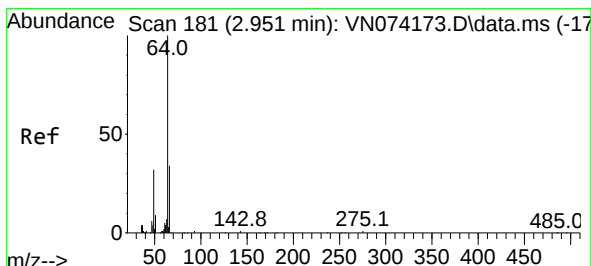
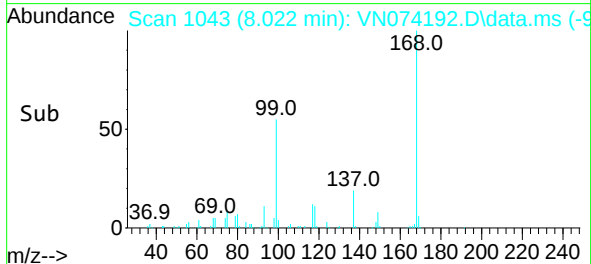
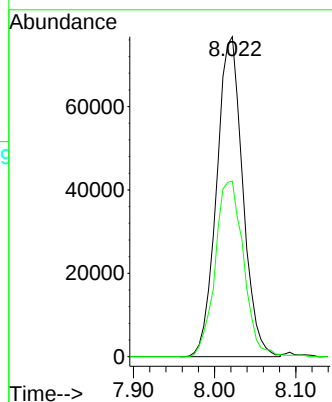
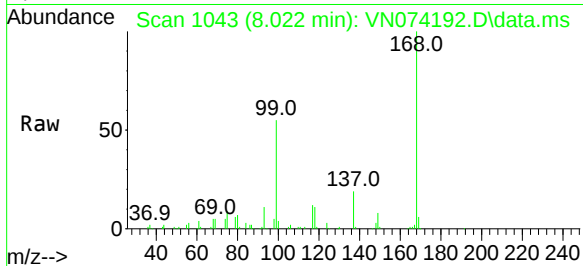




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

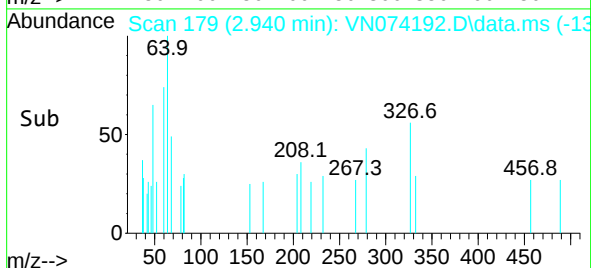
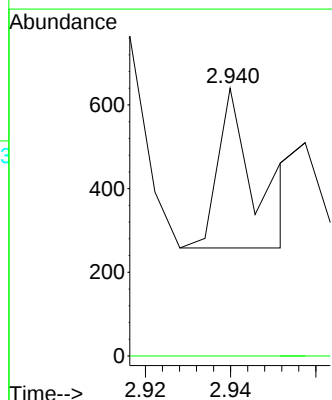
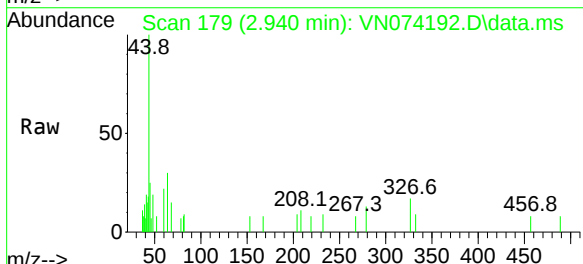
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-DRUMS

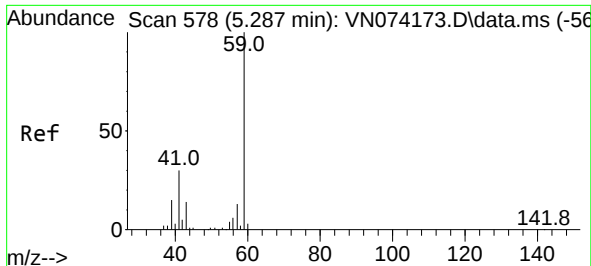
Tgt Ion:168 Resp: 171476
Ion Ratio Lower Upper
168 100
99 54.8 42.3 63.5



#6
Chloroethane
Concen: Below Cal
RT: 2.940 min Scan# 179
Delta R.T. -0.011 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

Tgt Ion: 64 Resp: 243
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

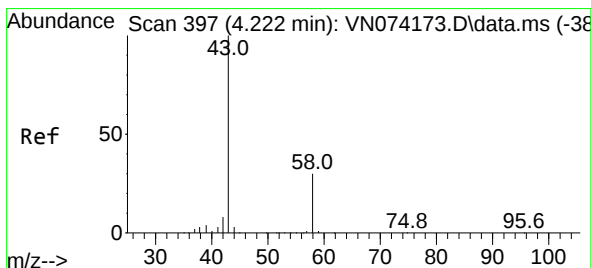
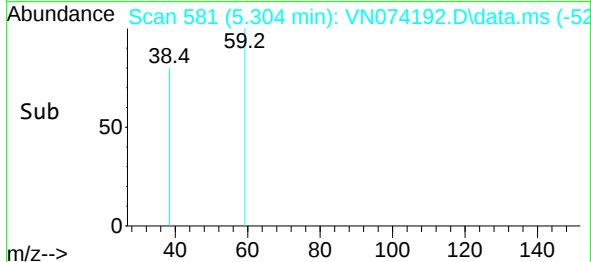
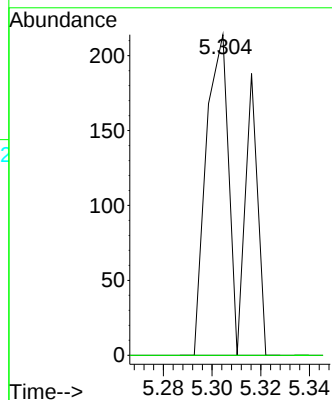
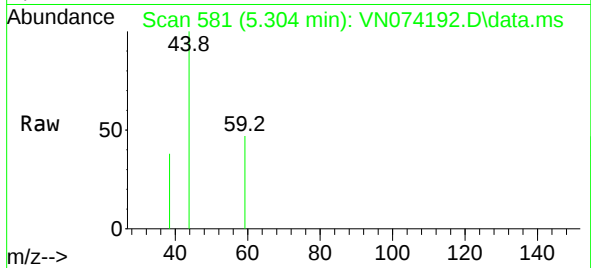




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.304 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

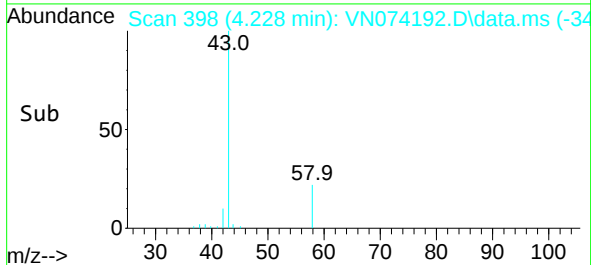
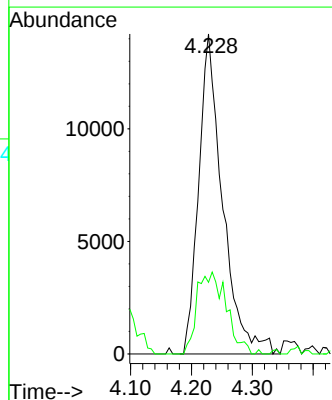
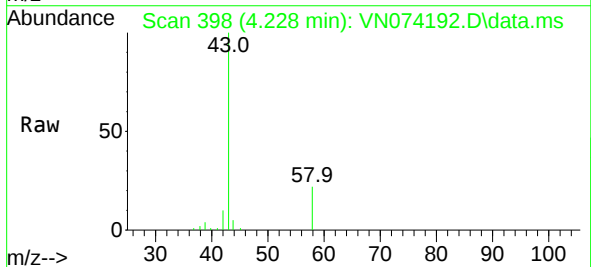
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-DRUMS

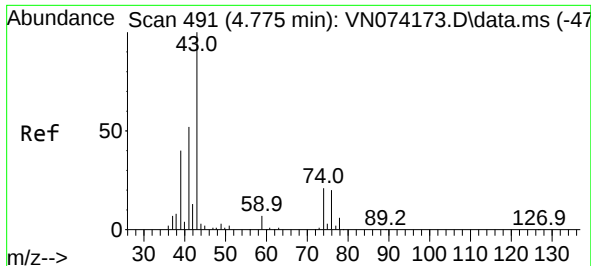
Tgt Ion: 59 Resp: 201
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 21.738 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

Tgt Ion: 43 Resp: 38639
Ion Ratio Lower Upper
43 100
58 22.4 26.0 39.0#

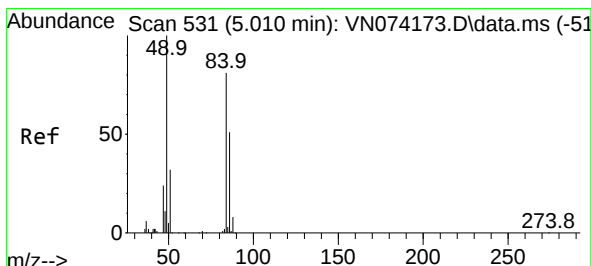
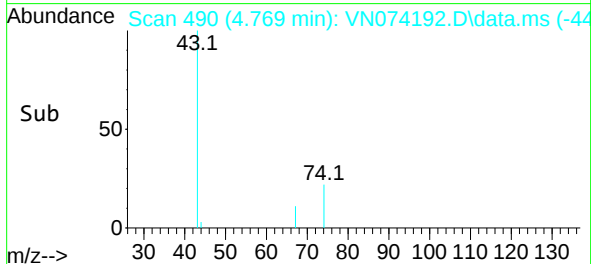
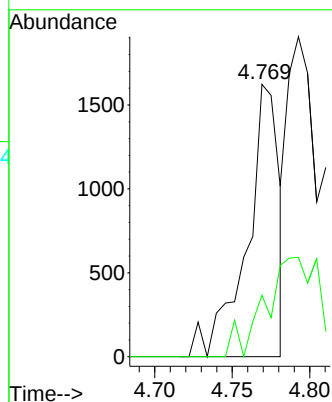
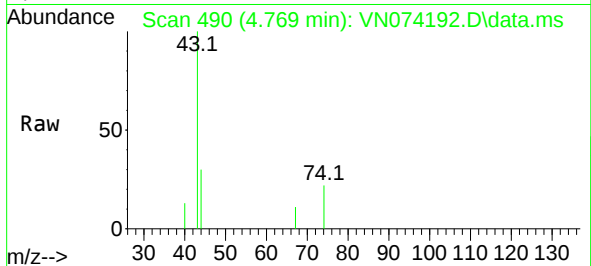




#18
Methyl Acetate
Concen: Below Cal
RT: 4.769 min Scan# 491
Delta R.T. -0.006 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

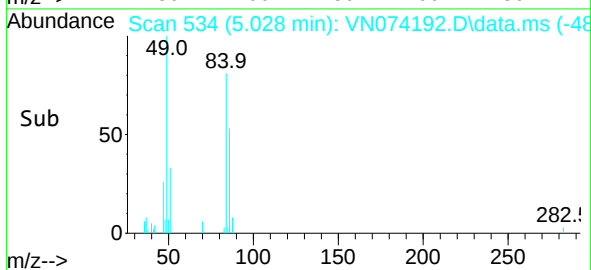
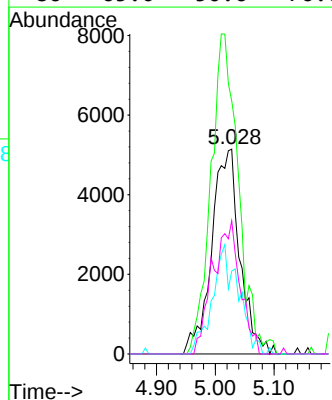
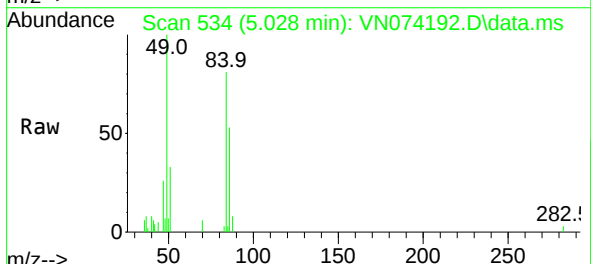
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-DRUMS

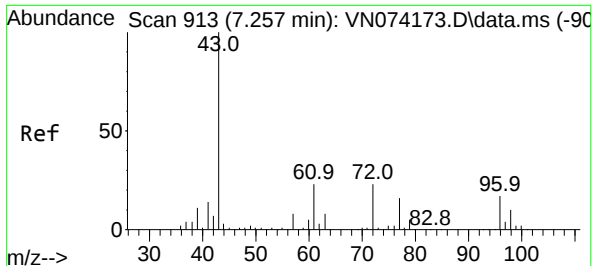
Tgt Ion: 43 Resp: 2336
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: 5.228 ug/l
RT: 5.028 min Scan# 534
Delta R.T. 0.018 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

Tgt Ion: 84 Resp: 17174
Ion Ratio Lower Upper
84 100
49 123.6 88.3 132.5
51 40.5 28.2 42.2
86 65.0 50.6 76.0





#25

2-Butanone

Concen: 2.581 ug/l

RT: 7.263 min Scan# 913

Delta R.T. 0.006 min

Lab File: VN074192.D

Acq: 31 Aug 2022 02:36

Instrument :

MSVOA_N

ClientSampleId :

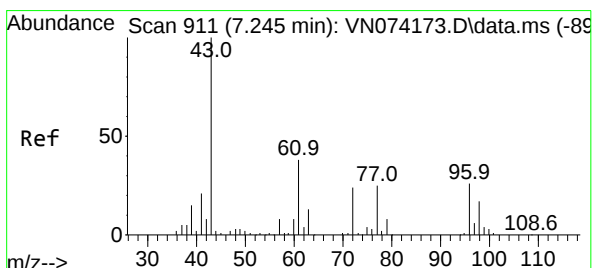
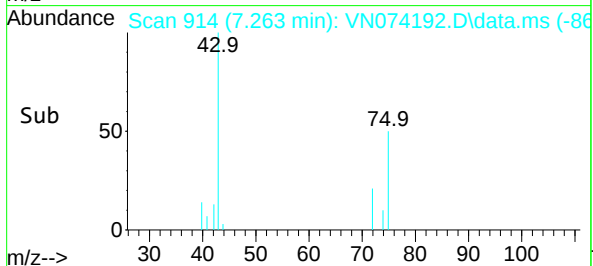
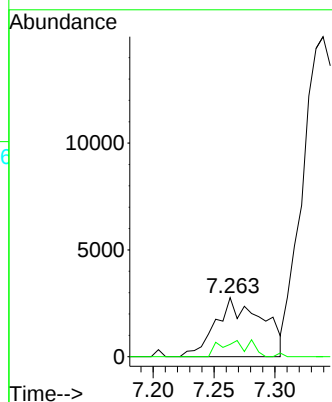
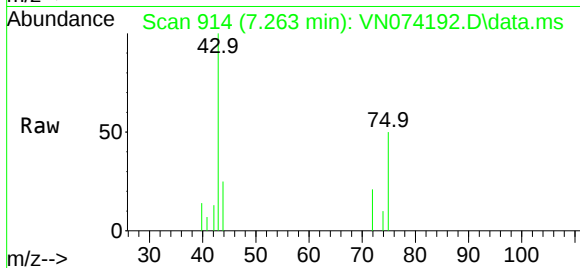
COMPOSITE-DRUMS

Tgt Ion: 43 Resp: 7338

Ion Ratio Lower Upper

43 100

72 24.5 23.7 35.5



#26

2,2-Dichloropropane

Concen: 0.287 ug/l

RT: 7.245 min Scan# 911

Delta R.T. 0.000 min

Lab File: VN074192.D

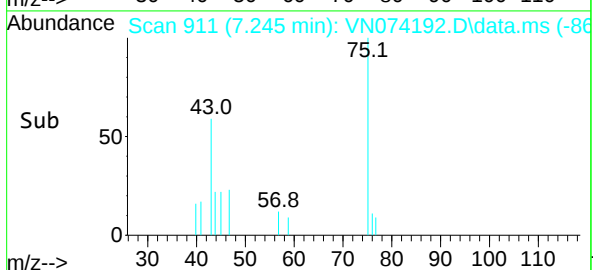
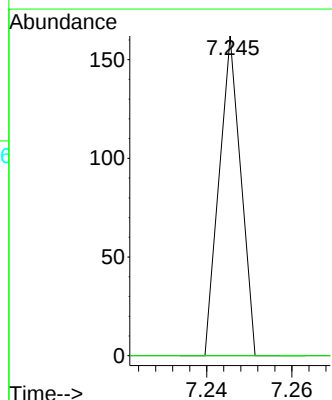
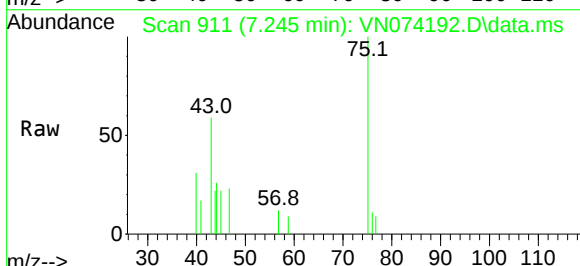
Acq: 31 Aug 2022 02:36

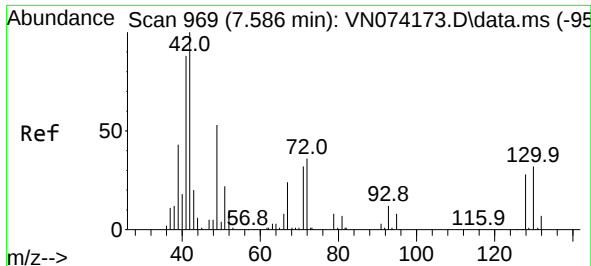
Tgt Ion: 77 Resp: 57

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#

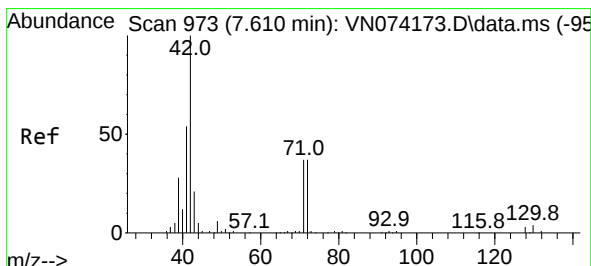
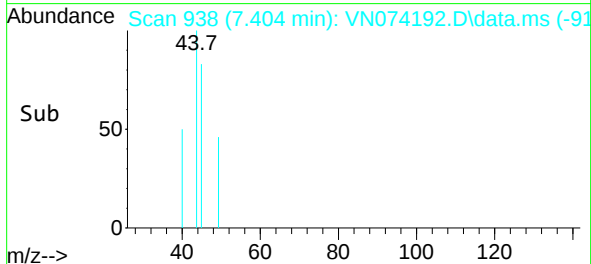
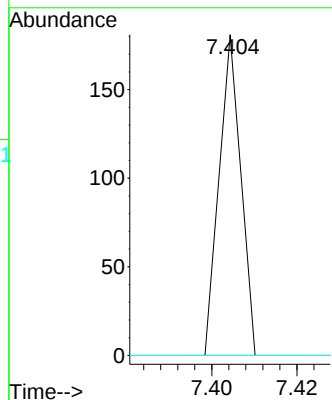
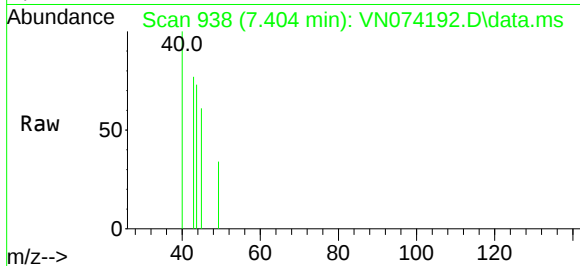




#28
Bromochloromethane
Concen: Below Cal
RT: 7.404 min Scan# 91
Delta R.T. -0.182 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

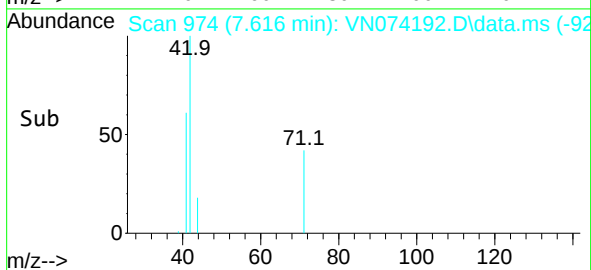
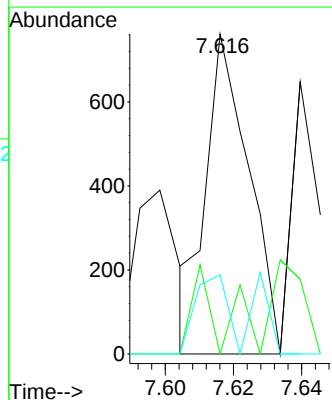
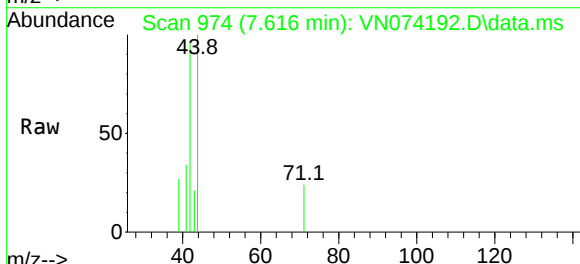
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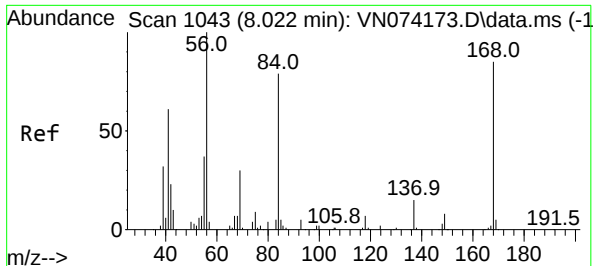
Tgt Ion: 49 Resp: 64
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#



#29
Tetrahydrofuran
Concen: 0.365 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.006 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

Tgt Ion: 42 Resp: 661
Ion Ratio Lower Upper
42 100
72 11.3 39.7 59.5#
71 0.0 36.6 55.0#





#31

Cyclohexane

Concen: 1.238 ug/l

RT: 8.016 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VN074192.D

Acq: 31 Aug 2022 02:36

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-DRUMS

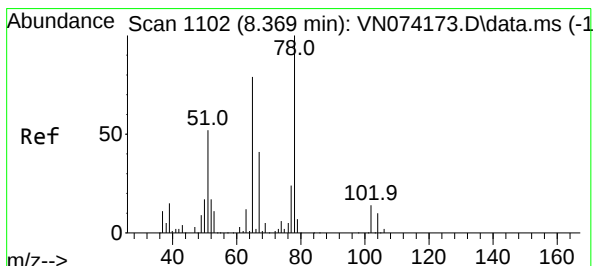
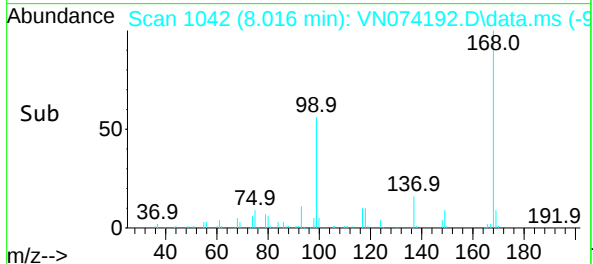
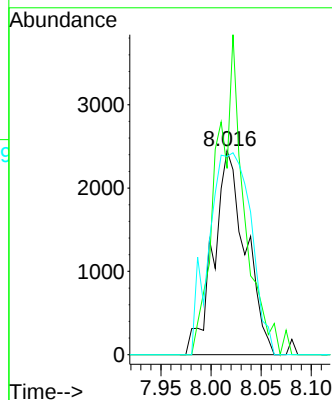
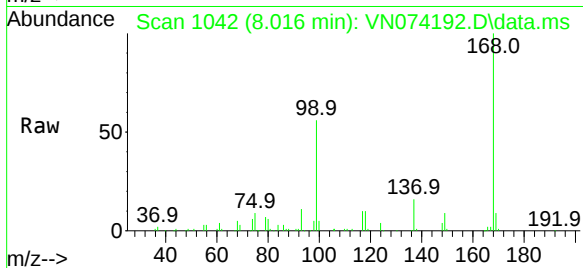
Tgt Ion: 56 Resp: 5442

Ion Ratio Lower Upper

56 100

69 91.3 27.8 41.8#

84 97.2 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 50.023 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN074192.D

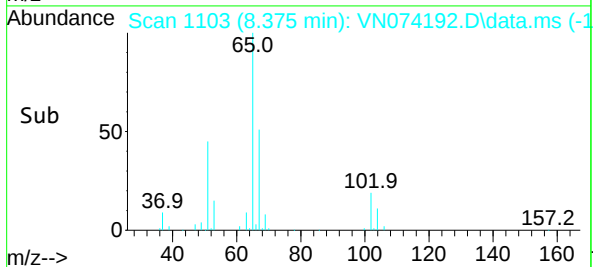
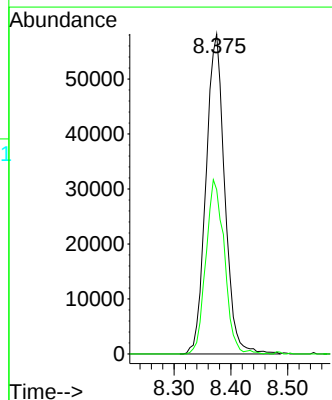
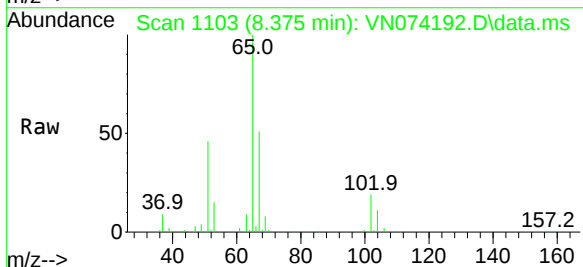
Acq: 31 Aug 2022 02:36

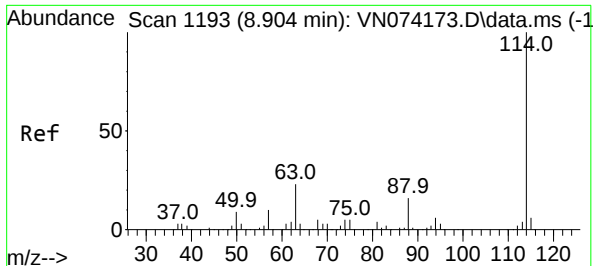
Tgt Ion: 65 Resp: 133061

Ion Ratio Lower Upper

65 100

67 53.8 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: VN074192.D

Acq: 31 Aug 2022 02:36

Instrument :

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ClientSampleId :

COMPOSITE-DRUMS

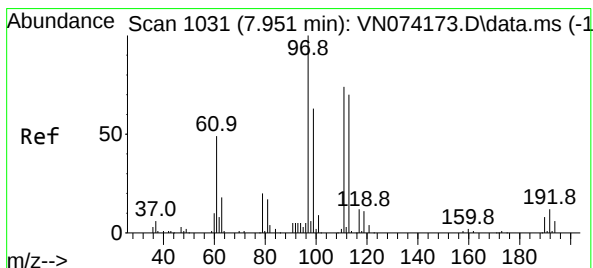
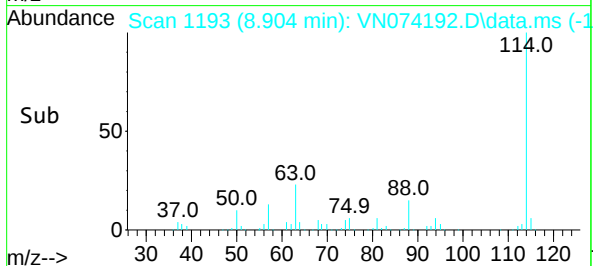
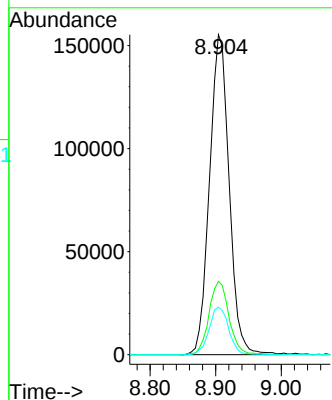
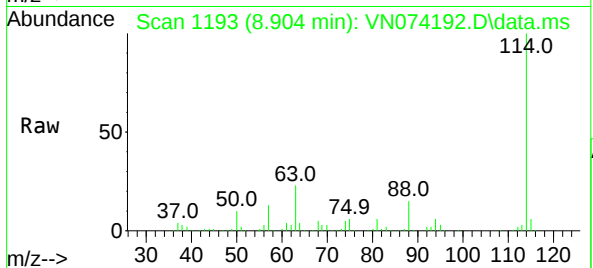
Tgt Ion:114 Resp: 322539

Ion Ratio Lower Upper

114 100

63 23.0 0.0 40.0

88 14.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.036 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074192.D

Acq: 31 Aug 2022 02:36

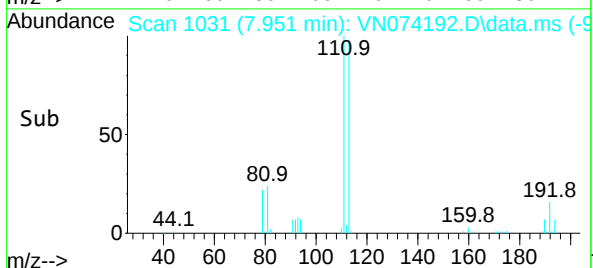
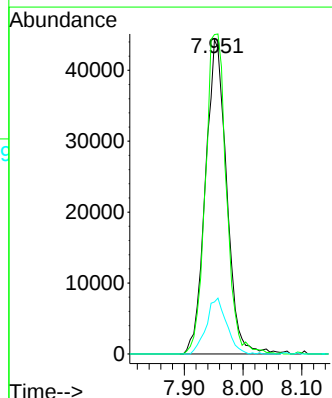
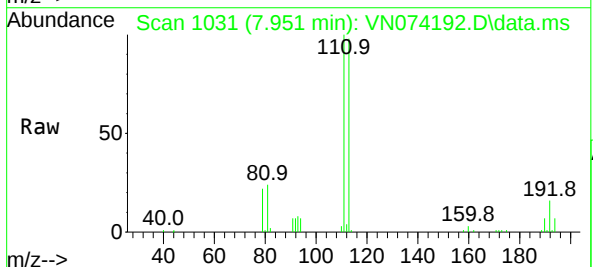
Tgt Ion:113 Resp: 111313

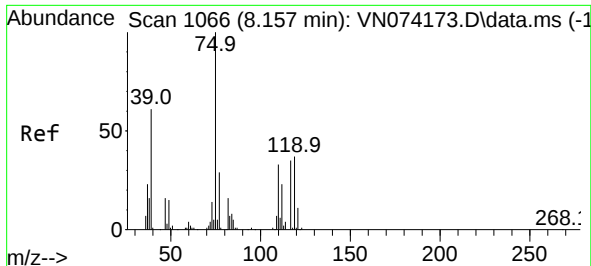
Ion Ratio Lower Upper

113 100

111 100.5 81.4 122.0

192 17.0 17.0 25.6#

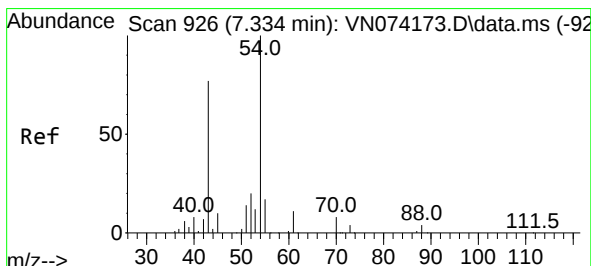
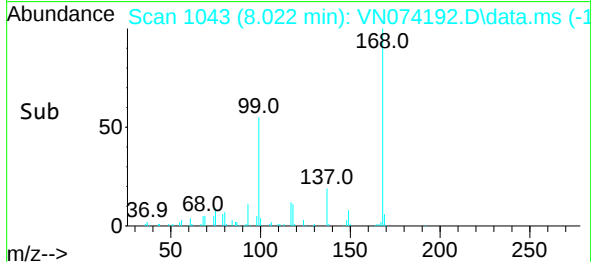
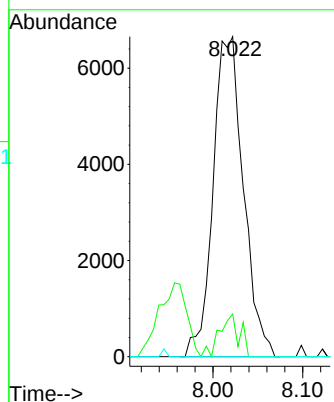
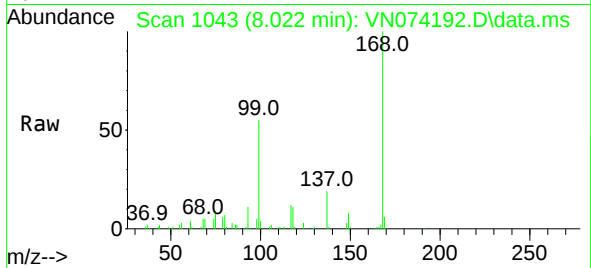




#36
1,1-Dichloropropene
Concen: 4.576 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.135 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

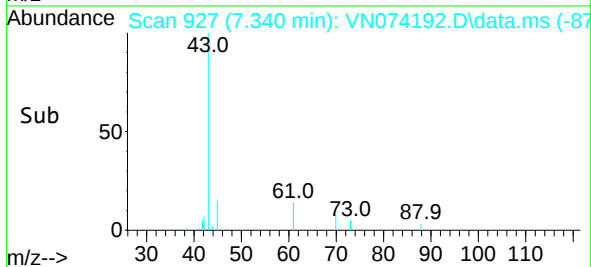
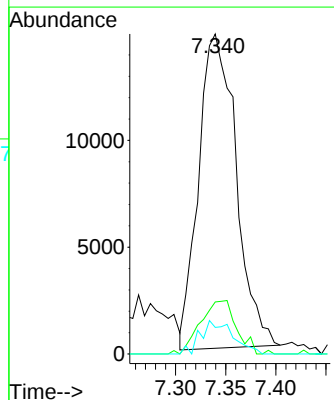
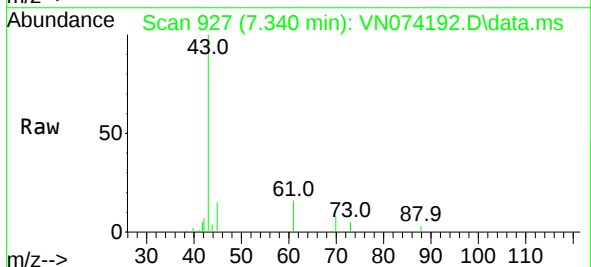
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-DRUMS

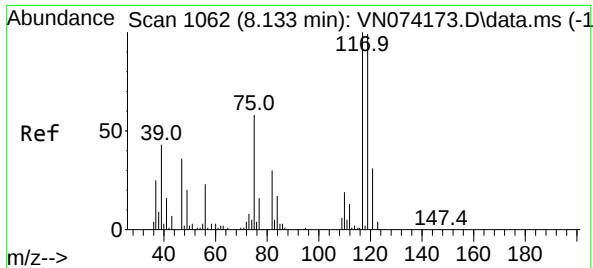
Tgt Ion: 75 Resp: 15583
Ion Ratio Lower Upper
75 100
110 8.7 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 6.735 ug/l
RT: 7.340 min Scan# 927
Delta R.T. 0.006 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

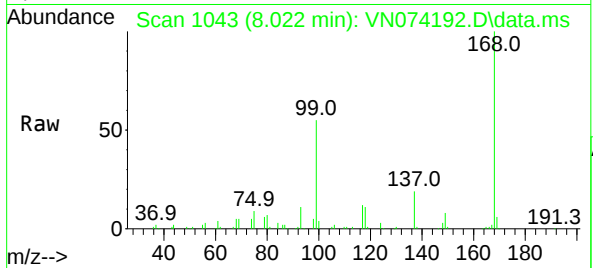
Tgt Ion: 43 Resp: 38356
Ion Ratio Lower Upper
43 100
61 16.2 11.8 17.6
70 9.2 9.3 13.9#



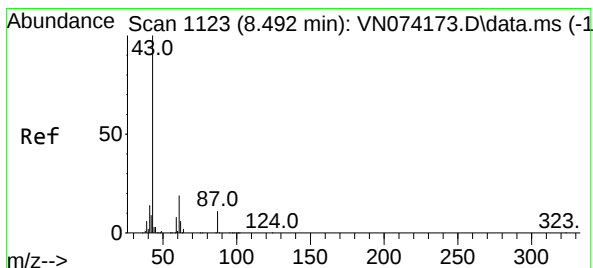
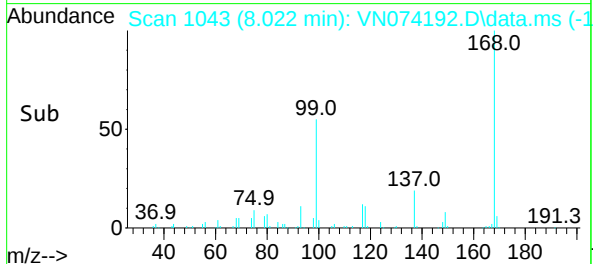
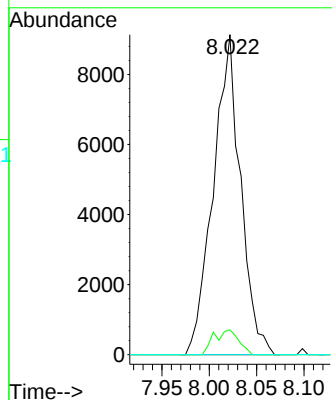


#38
Carbon Tetrachloride
Concen: 5.933 ug/l
RT: 8.022 min Scan# 110
Delta R.T. -0.111 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-DRUMS

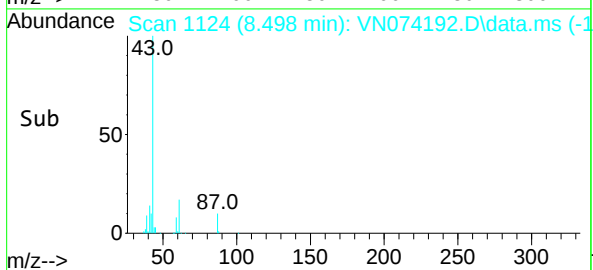
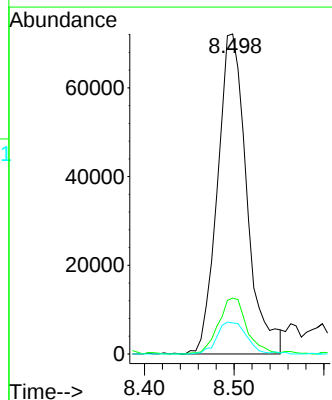
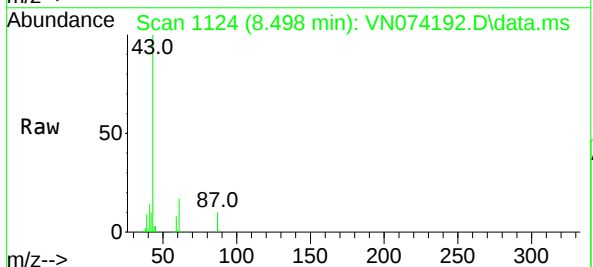


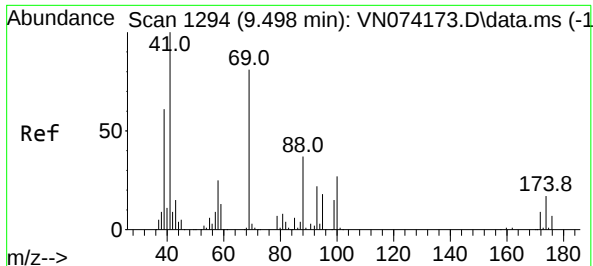
Tgt Ion:117 Resp: 18347
Ion Ratio Lower Upper
117 100
119 7.8 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 21.361 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

Tgt Ion: 43 Resp: 163540
Ion Ratio Lower Upper
43 100
61 16.9 21.9 32.9#
87 10.0 12.0 18.0#

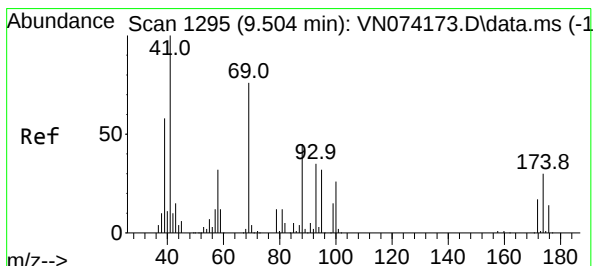
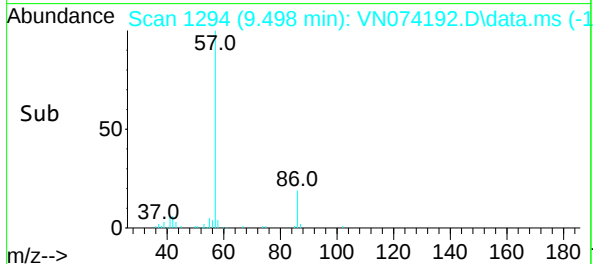
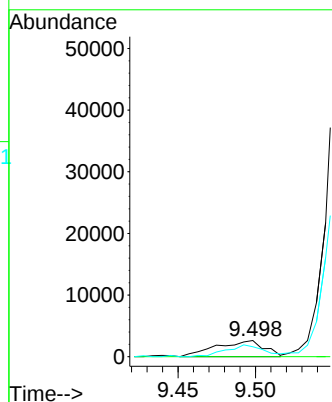
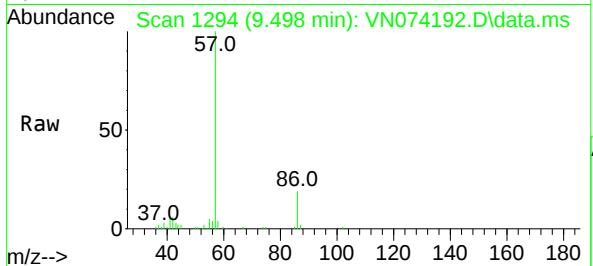




#48
Methyl methacrylate
Concen: 1.547 ug/l
RT: 9.498 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

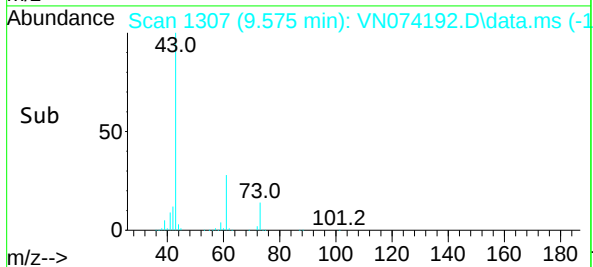
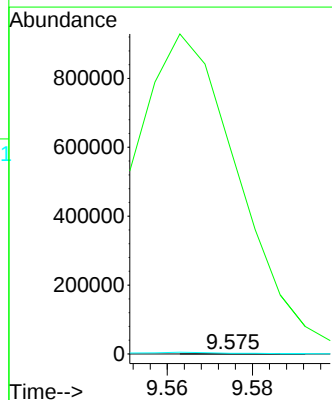
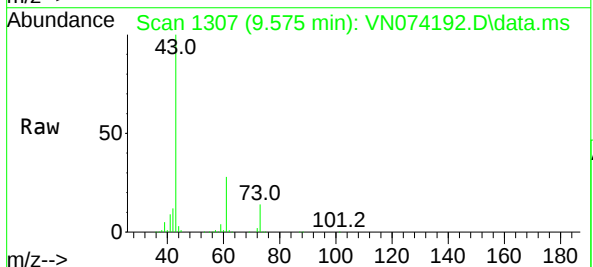
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-DRUMS

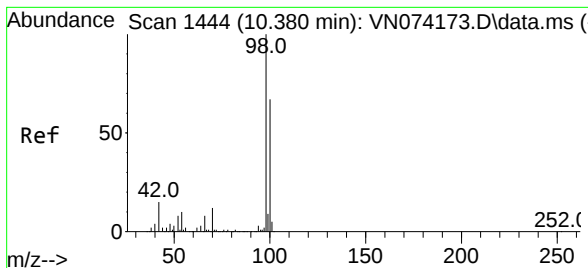
Tgt Ion: 41 Resp: 5626
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 57.7 45.6 68.4



#49
1,4-Dioxane
Concen: 0.739 ug/l
RT: 9.575 min Scan# 1307
Delta R.T. 0.071 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 2914382.8 20.2 30.4#
58 14696.6 54.2 81.4#





#50

Toluene-d8

Concen: 45.186 ug/l

RT: 10.381 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN074192.D

Acq: 31 Aug 2022 02:36

Instrument :

MSVOA_N

ClientSampleId :

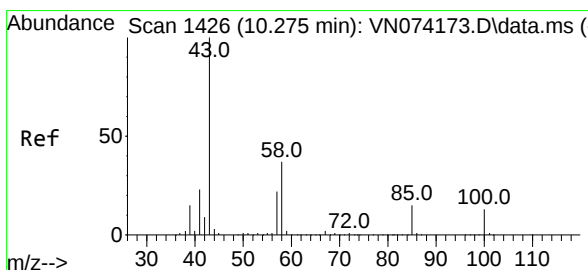
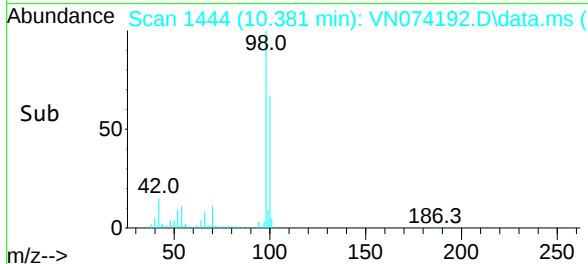
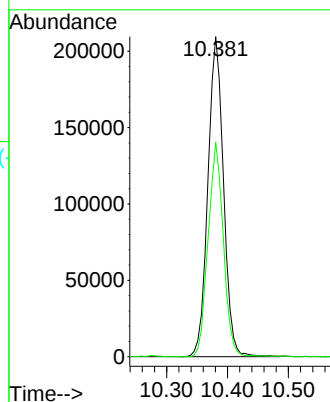
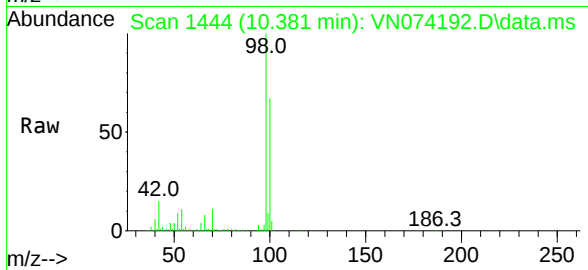
COMPOSITE-DRUMS

Tgt Ion: 98 Resp: 373486

Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 2.672 ug/l

RT: 10.263 min Scan# 1424

Delta R.T. -0.012 min

Lab File: VN074192.D

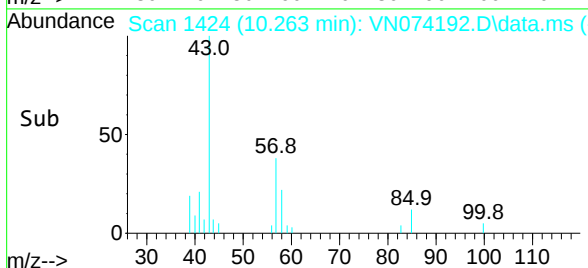
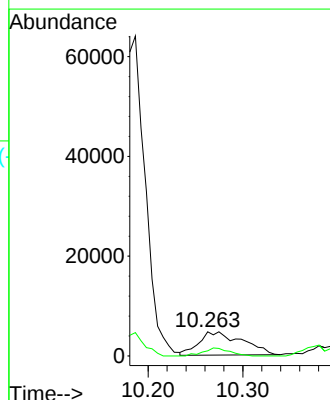
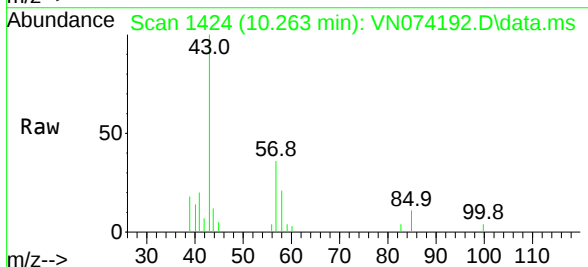
Acq: 31 Aug 2022 02:36

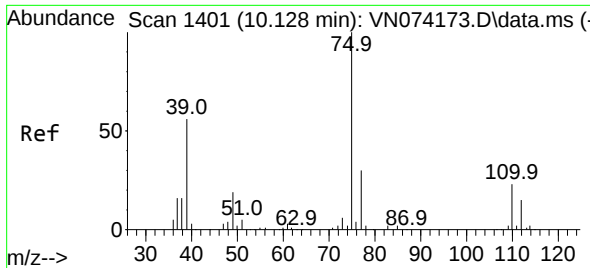
Tgt Ion: 43 Resp: 14846

Ion Ratio Lower Upper

43 100

58 20.7 34.1 51.1#

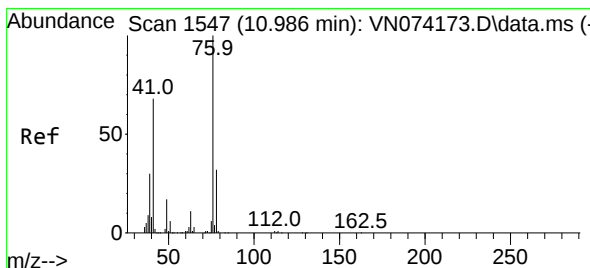
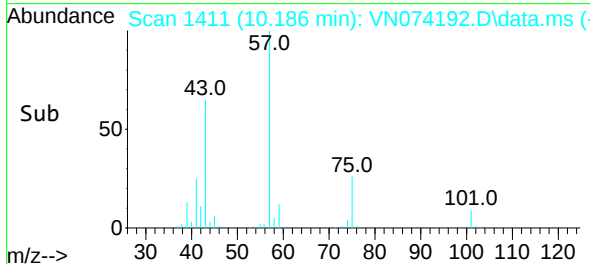
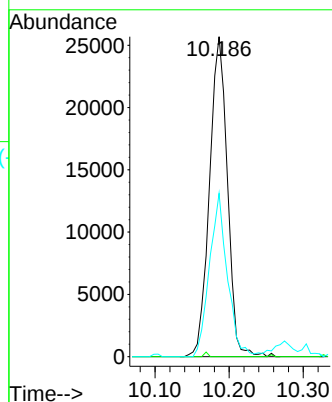
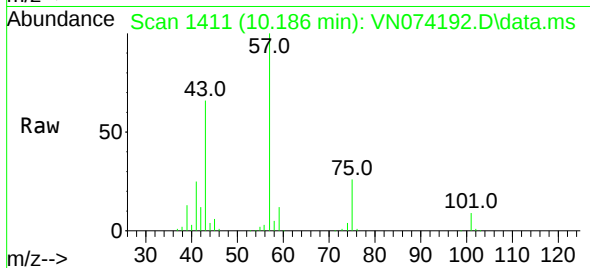




#54
 cis-1,3-Dichloropropene
 Concen: 10.757 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN074192.D
 Acq: 31 Aug 2022 02:36

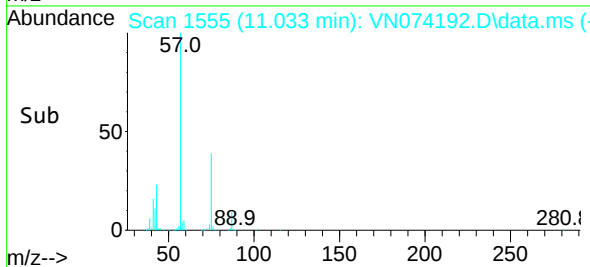
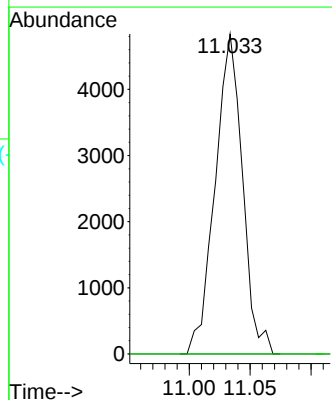
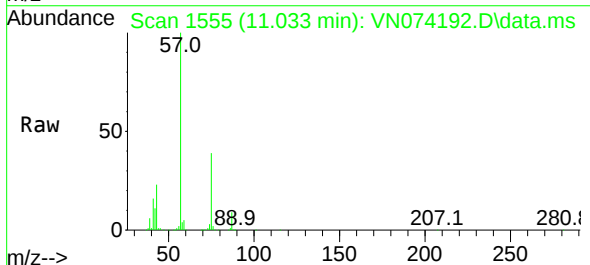
Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-DRUMS

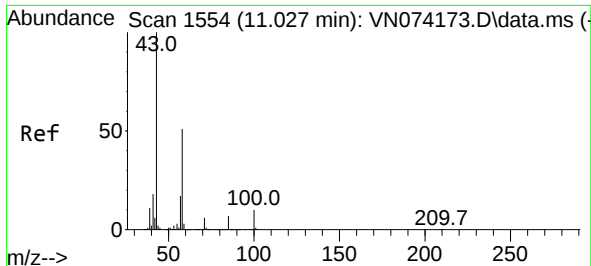
Tgt Ion: 75 Resp: 43144
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 51.1 35.7 53.5



#57
 1,3-Dichloropropane
 Concen: 1.594 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.047 min
 Lab File: VN074192.D
 Acq: 31 Aug 2022 02:36

Tgt Ion: 76 Resp: 7552
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

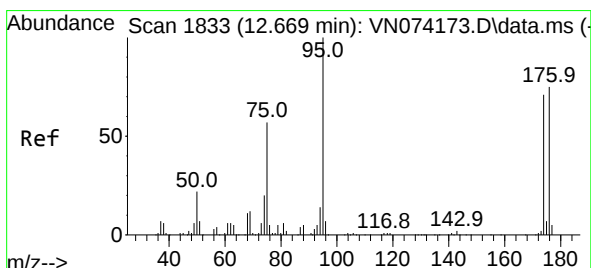
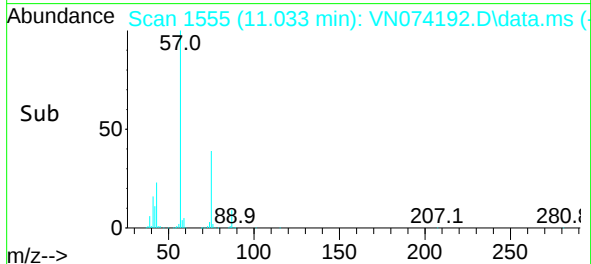
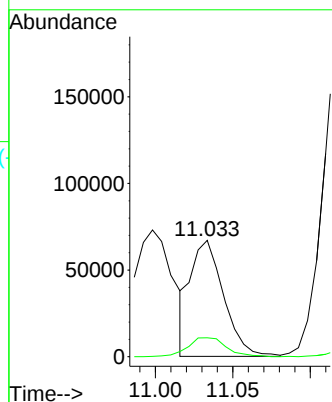
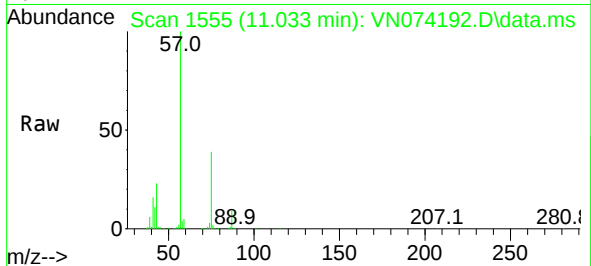




#59
2-Hexanone
Concen: 23.619 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

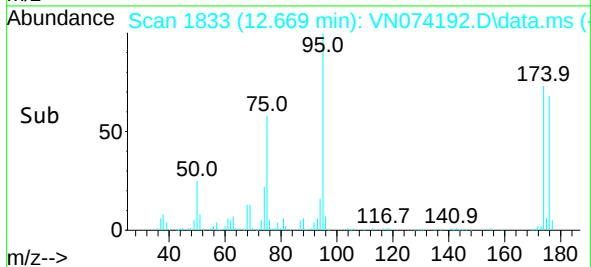
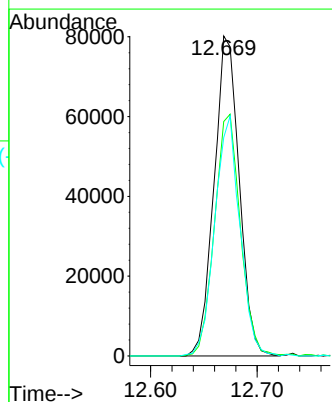
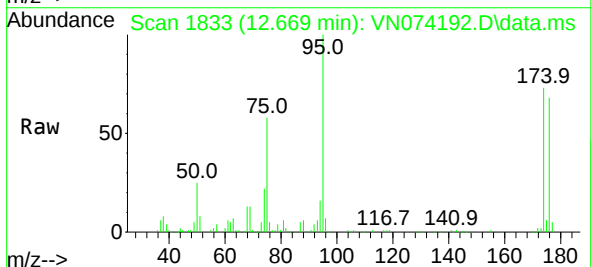
Instrument :
MSVOA_N
ClientSampleId :
COMPOSITE-DRUMS

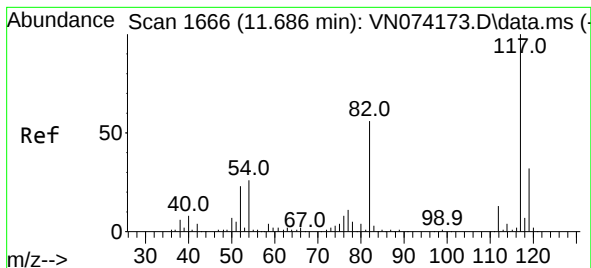
Tgt Ion: 43 Resp: 99594
Ion Ratio Lower Upper
43 100
58 19.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 52.227 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074192.D
Acq: 31 Aug 2022 02:36

Tgt Ion: 95 Resp: 131277
Ion Ratio Lower Upper
95 100
174 77.7 0.0 167.6
176 75.2 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074192.D

Acq: 31 Aug 2022 02:36

Instrument :

MSVOA_N

ClientSampleId :

COMPOSITE-DRUMS

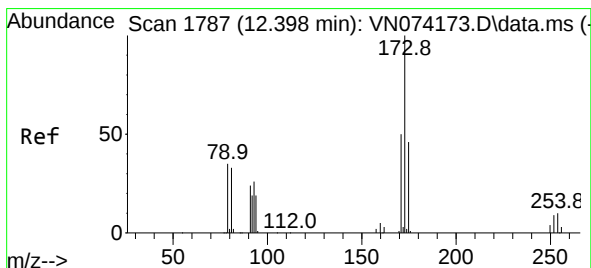
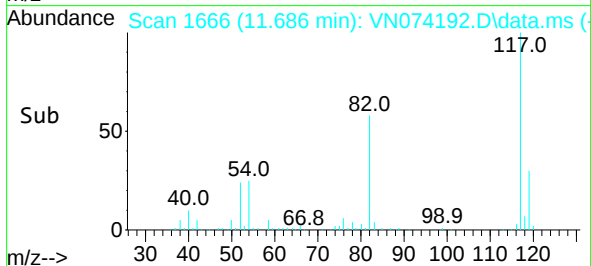
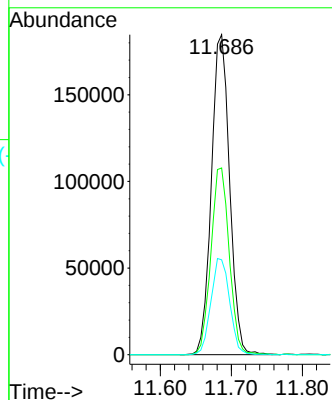
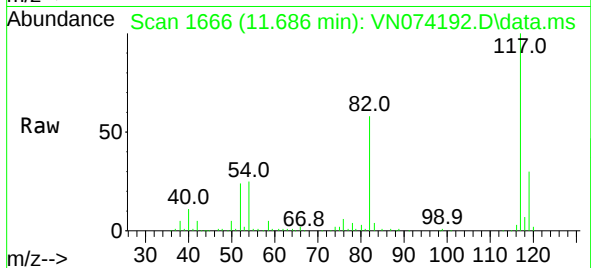
Tgt Ion:117 Resp: 328652

Ion Ratio Lower Upper

117 100

82 58.4 44.2 66.2

119 29.6 25.4 38.0



#71

Bromoform

Concen: 0.560 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.271 min

Lab File: VN074192.D

Acq: 31 Aug 2022 02:36

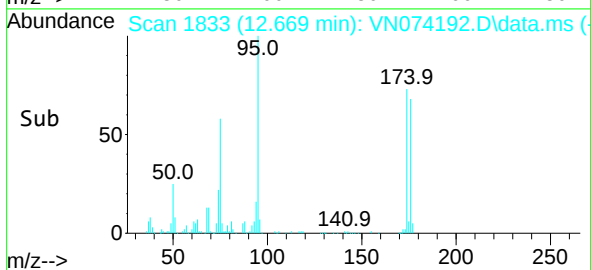
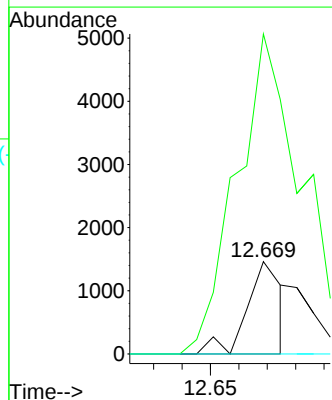
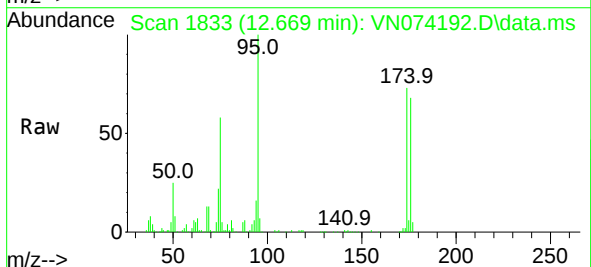
Tgt Ion:173 Resp: 1247

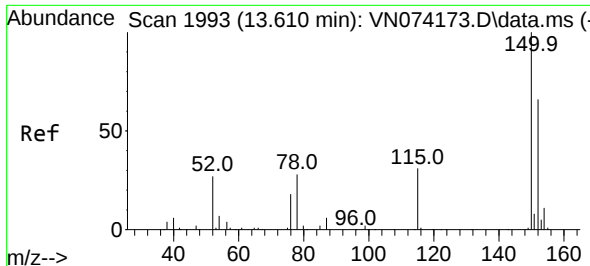
Ion Ratio Lower Upper

173 100

175 454.9 24.6 73.6#

254 0.0 0.1 0.1#

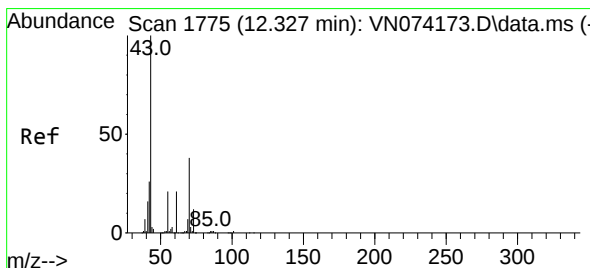
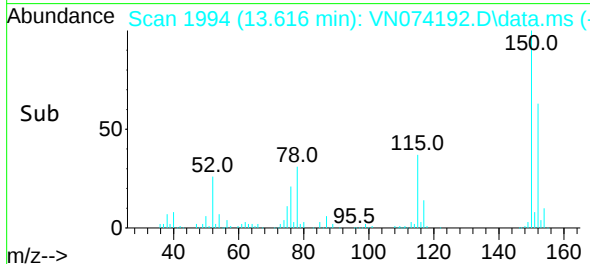
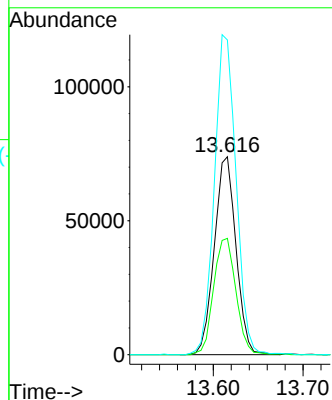
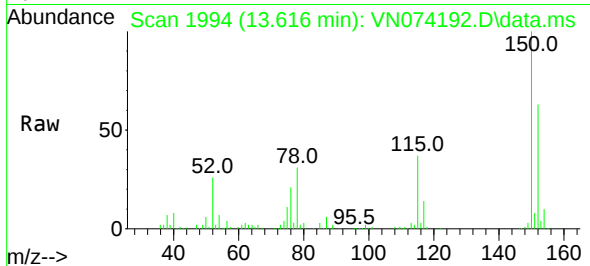




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1993
 Delta R.T. 0.006 min
 Lab File: VN074192.D
 Acq: 31 Aug 2022 02:36

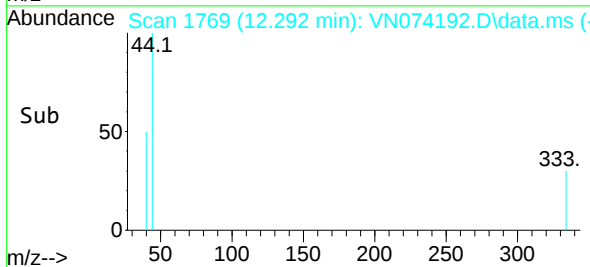
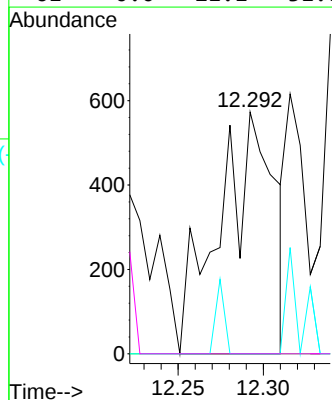
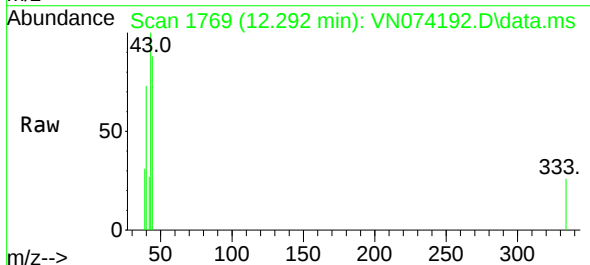
Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-DRUMS

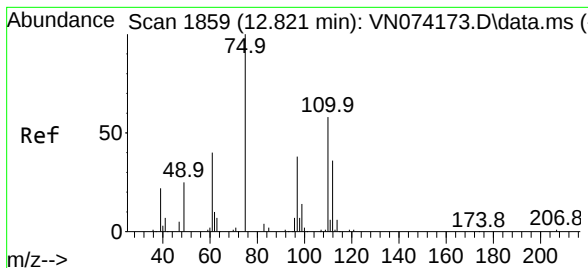
Tgt Ion:152 Resp: 124244
 Ion Ratio Lower Upper
 152 100
 115 60.6 28.9 86.7
 150 161.6 0.0 356.2



#74
 N-ethyl acetate
 Concen: 0.212 ug/l
 RT: 12.292 min Scan# 1769
 Delta R.T. -0.035 min
 Lab File: VN074192.D
 Acq: 31 Aug 2022 02:36

Tgt Ion: 43 Resp: 1279
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 4.8 21.1 31.7#
 61 0.0 21.1 31.7#





#76

1,2,3-Trichloropropane

Concen: 25.269 ug/l

RT: 12.675 min Scan# 1834

Delta R.T. -0.146 min

Lab File: VN074192.D

Acq: 31 Aug 2022 02:36

Instrument :

MSVOA_N

ClientSampleId :

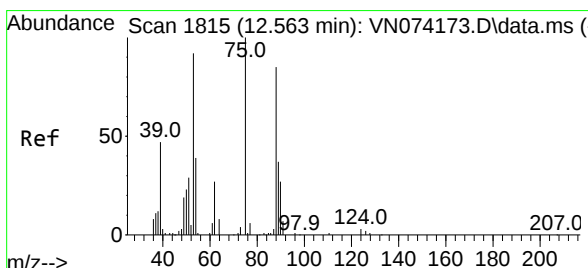
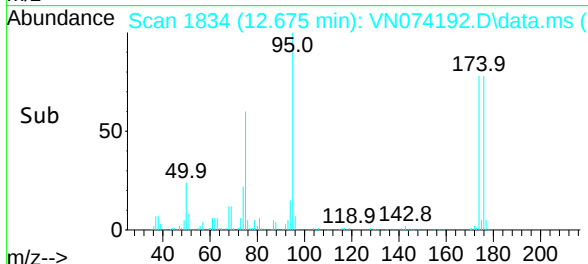
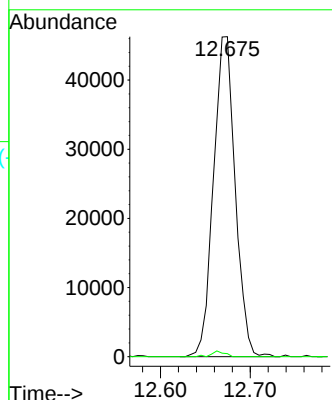
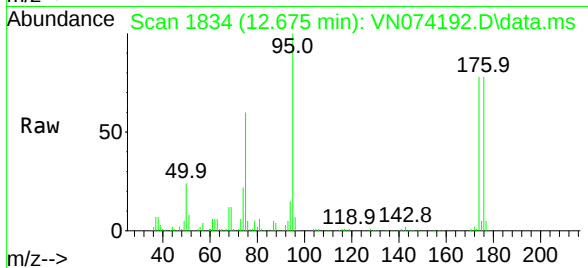
COMPOSITE-DRUMS

Tgt Ion: 75 Resp: 77952

Ion Ratio Lower Upper

75 100

77 1.1 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.124 ug/l

RT: 12.675 min Scan# 1834

Delta R.T. 0.112 min

Lab File: VN074192.D

Acq: 31 Aug 2022 02:36

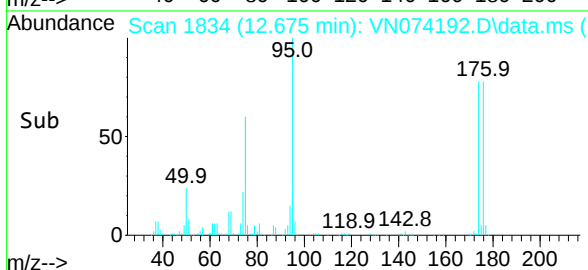
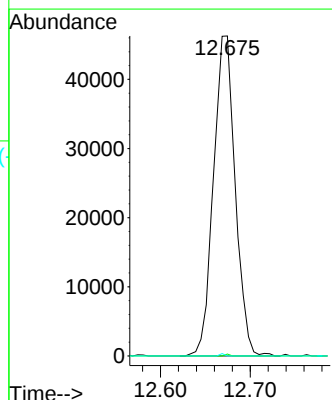
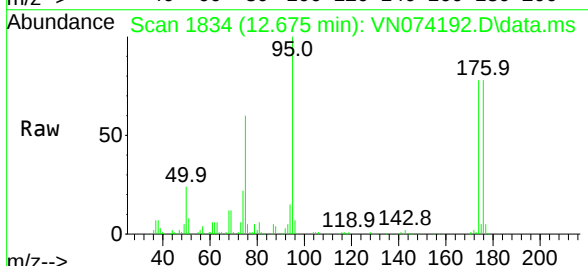
Tgt Ion: 75 Resp: 77952

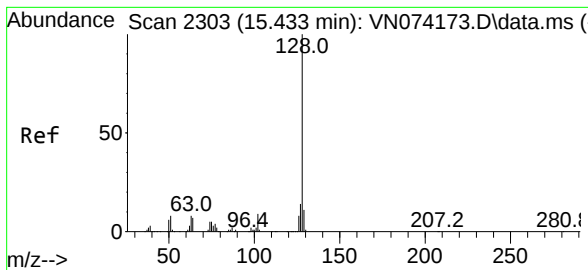
Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.2 37.2 55.8#





#95
 Naphthalene
 Concen: 1.173 ug/l
 RT: 15.427 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN074192.D
 Acq: 31 Aug 2022 02:36

Instrument :
 MSVOA_N
 ClientSampleId :
 COMPOSITE-DRUMS

Tgt Ion:	128	Resp:	214
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

