

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012822\
 Data File : VN070824.D
 Acq On : 28 Jan 2022 13:12
 Operator : JC/MD
 Sample : PB142316ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142316ZHE#01

Quant Time: Jan 28 23:16:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

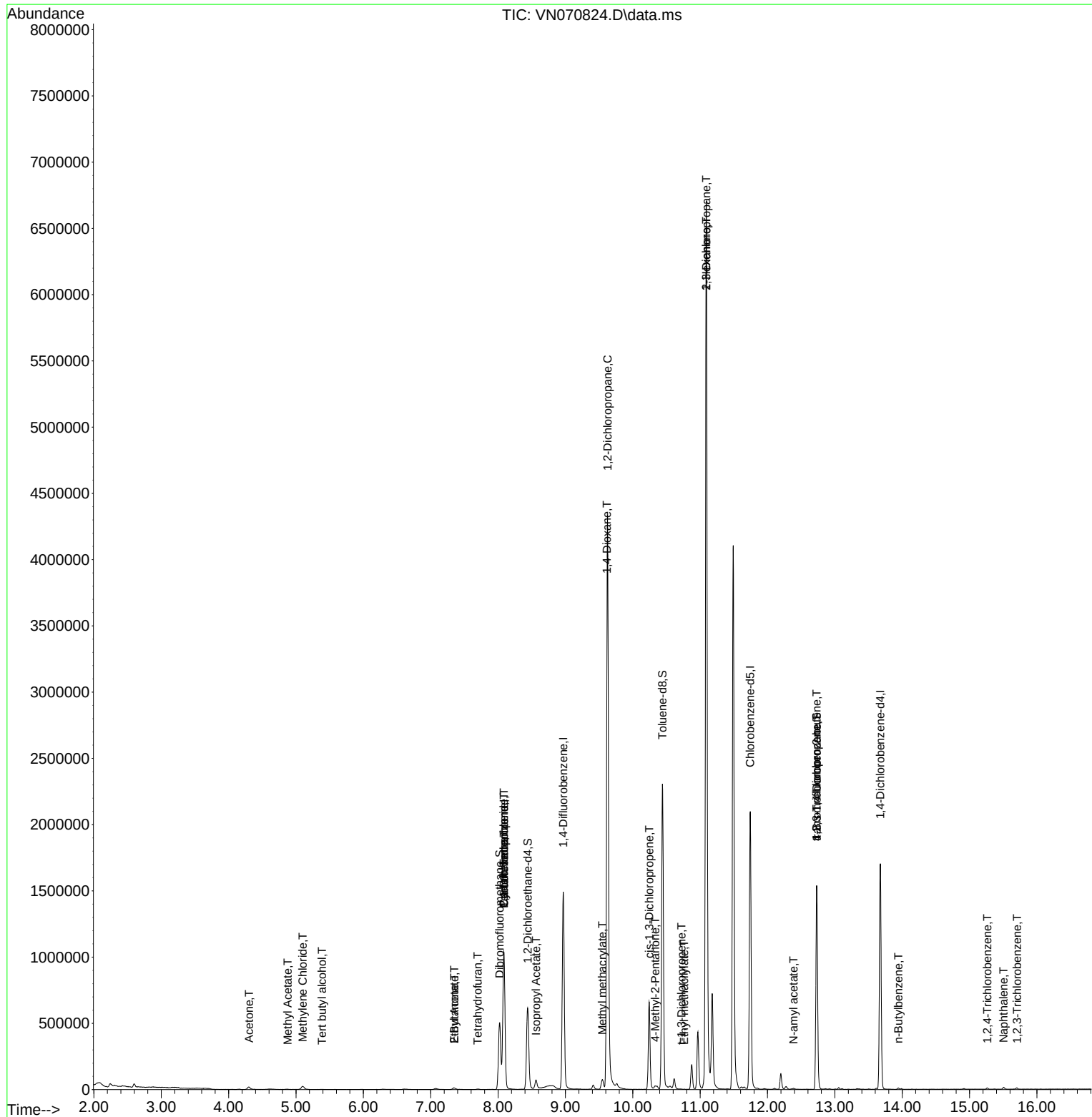
Internal Standards						
1) Pentafluorobenzene	8.088	168	777101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1272752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1204746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	467959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	560939	50.367	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.740%	
35) Dibromofluoromethane	8.024	113	376076	47.635	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.280%	
50) Toluene-d8	10.440	98	1622048	48.770	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 97.540%	
62) 4-Bromofluorobenzene	12.731	95	556056	46.918	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 93.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.385	59	515	0.256	ug/l #	74
16) Acetone	4.301	43	37800	4.890	ug/l	95
18) Methyl Acetate	4.875	43	3606	0.237	ug/l #	63
20) Methylene Chloride	5.101	84	16864	1.656	ug/l	93
25) 2-Butanone	7.351	43	23537	2.420	ug/l	93
29) Tetrahydrofuran	7.697	42	2527	0.424	ug/l #	75
30) Chloroform	8.070	83	68	Below Cal	#	18
31) Cyclohexane	8.086	56	18457	0.941	ug/l #	28
36) 1,1-Dichloropropene	8.086	75	63943	4.811	ug/l #	49
37) Ethyl Acetate	7.351	43	23537	1.334	ug/l #	69
38) Carbon Tetrachloride	8.086	117	82773	7.001	ug/l #	16
43) Isopropyl Acetate	8.563	43	83897	3.113	ug/l #	89
45) 1,2-Dichloropropane	9.625	63	5303	0.473	ug/l #	44
48) Methyl methacrylate	9.550	41	20780	1.618	ug/l #	9
49) 1,4-Dioxane	9.617	88	354	1.835	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	11313	0.658	ug/l #	69
53) t-1,3-Dichloropropene	10.725	75	234	2.418	ug/l #	65
54) cis-1,3-Dichloropropene	10.245	75	115740	7.247	ug/l #	62
56) Ethyl methacrylate	10.762	69	753	2.341	ug/l #	24
57) 1,3-Dichloropropane	11.090	76	70359	4.107	ug/l #	44
59) 2-Hexanone	11.092	43	1181540	94.574	ug/l #	49
74) N-amyl acetate	12.388	43	6882	0.380	ug/l #	76
76) 1,2,3-Trichloropropane	12.731	75	304854	24.562	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	304854	73.175	ug/l #	5
89) n-Butylbenzene	13.943	91	6323	0.230	ug/l	93
93) 1,2,4-Trichlorobenzene	15.263	180	3657	3.819	ug/l	95
95) Naphthalene	15.504	128	13343	5.444	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180	4134	3.684	ug/l	98

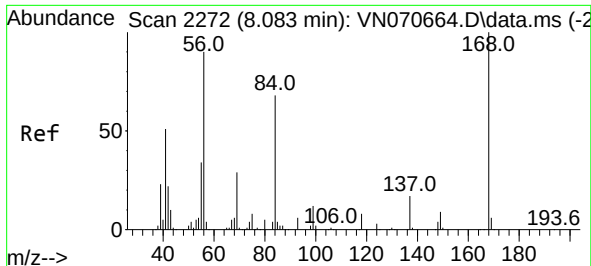
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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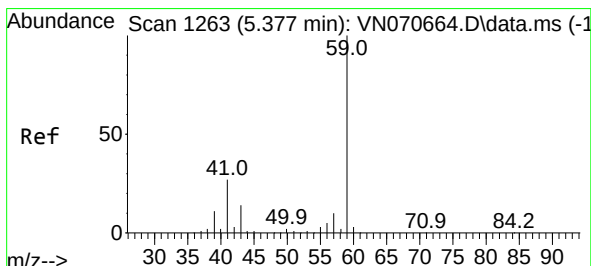
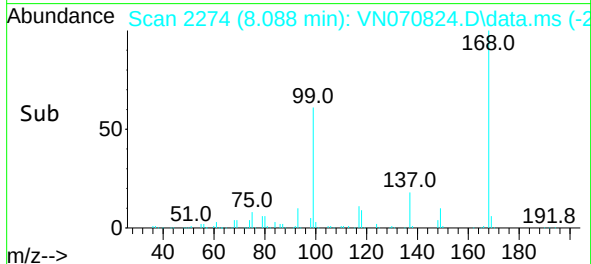
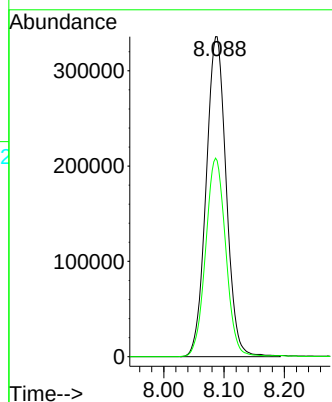
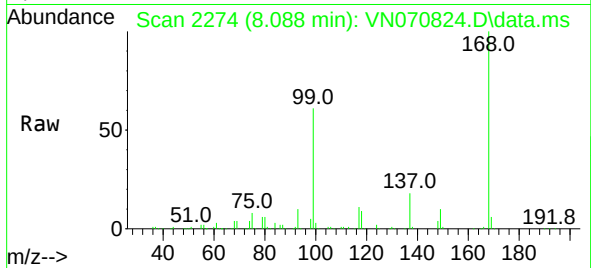




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

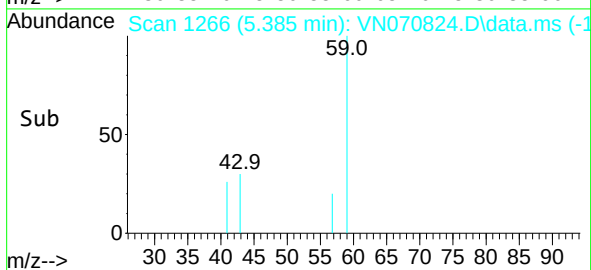
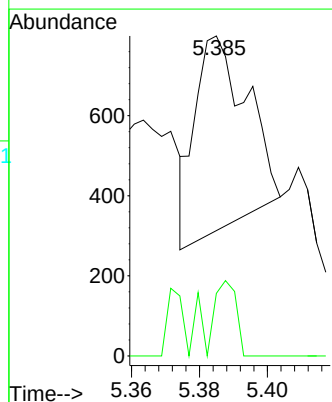
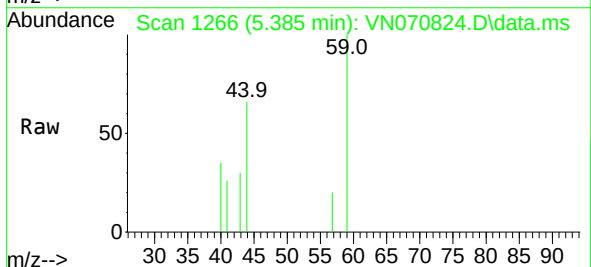
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#01

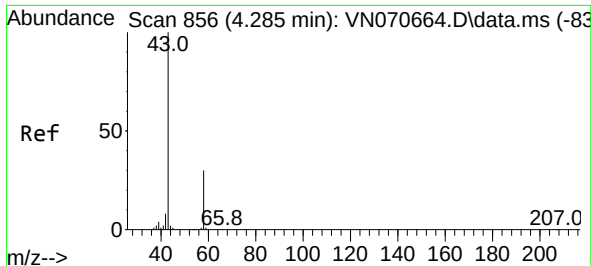
Tgt Ion:168 Resp: 777101
Ion Ratio Lower Upper
168 100
99 61.2 41.3 61.9



#11
Tert butyl alcohol
Concen: 0.256 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. 0.008 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

Tgt Ion: 59 Resp: 515
Ion Ratio Lower Upper
59 100
57 20.8 8.7 13.1#

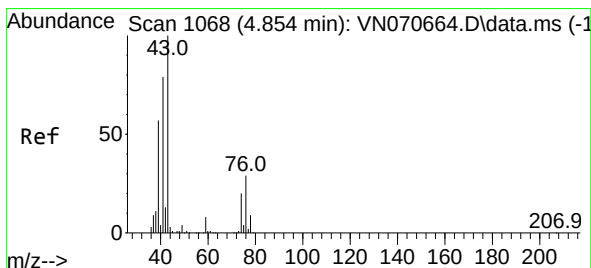
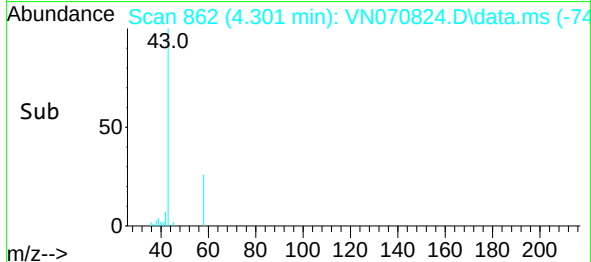
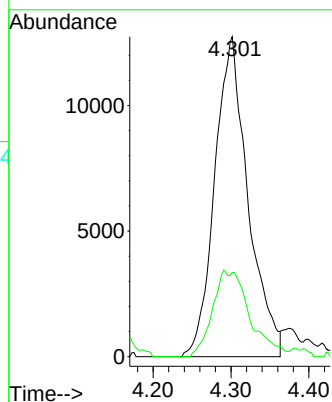
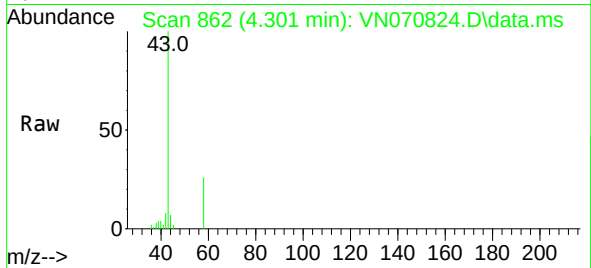




#16
Acetone
Concen: 4.890 ug/l
RT: 4.301 min Scan# 80
Delta R.T. 0.016 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

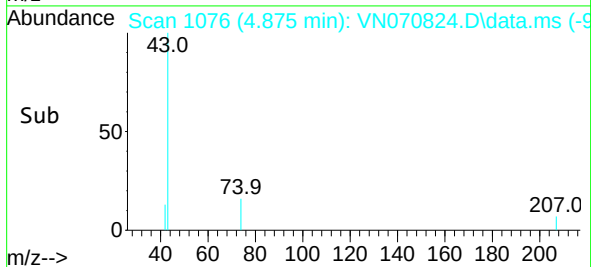
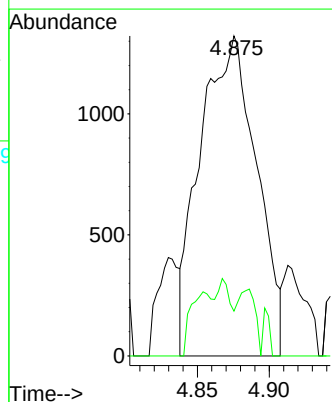
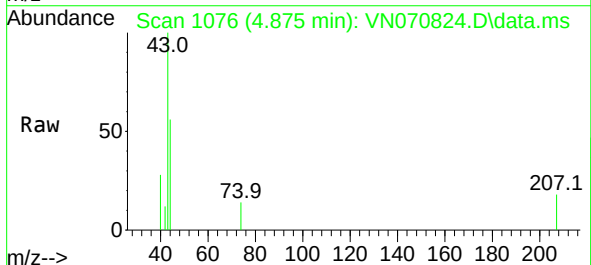
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#01

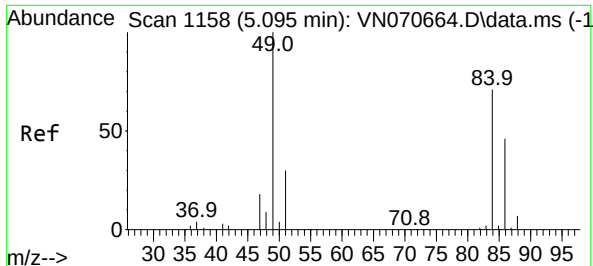
Tgt Ion: 43 Resp: 37800
Ion Ratio Lower Upper
43 100
58 26.3 23.1 34.7



#18
Methyl Acetate
Concen: 0.237 ug/l
RT: 4.875 min Scan# 1076
Delta R.T. 0.021 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

Tgt Ion: 43 Resp: 3606
Ion Ratio Lower Upper
43 100
74 5.7 19.4 29.2#

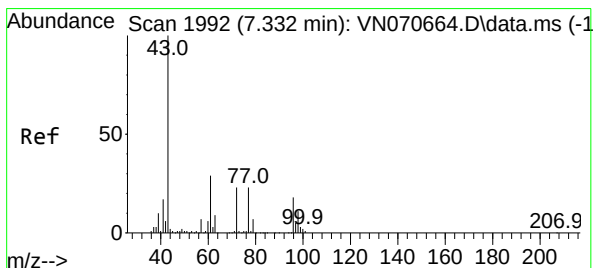
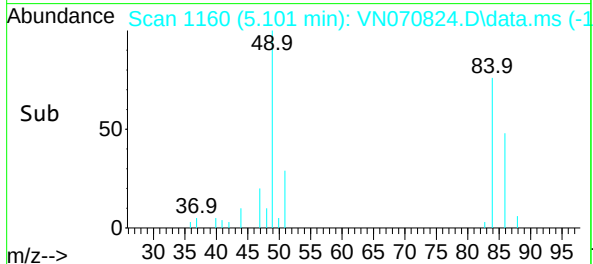
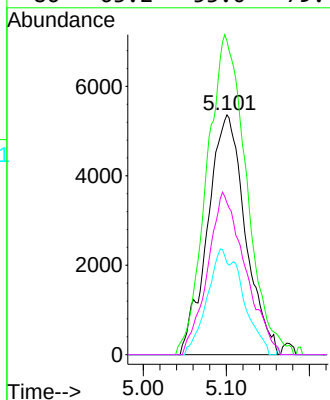
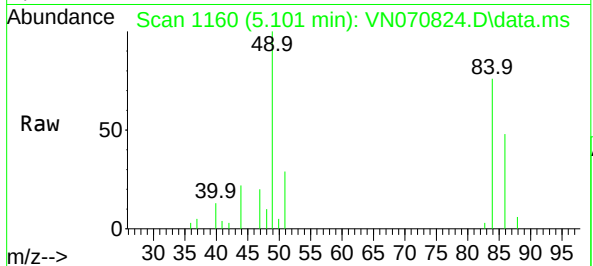




#20
Methylene Chloride
Concen: 1.656 ug/l
RT: 5.101 min Scan# 1158
Delta R.T. 0.006 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

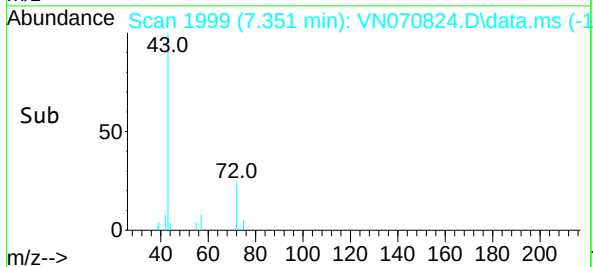
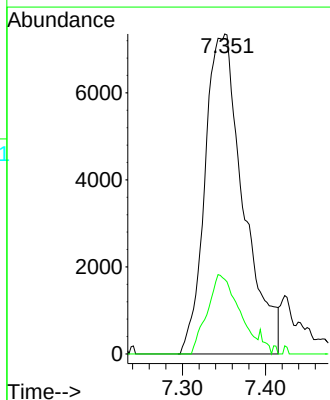
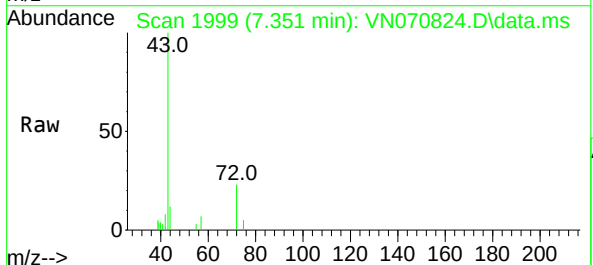
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#01

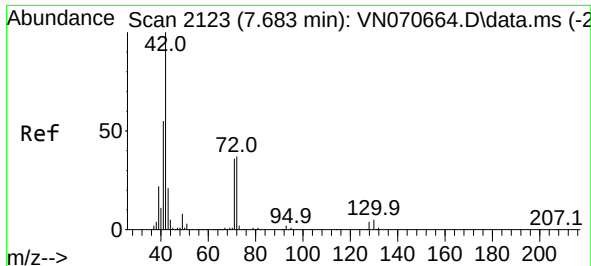
Tgt Ion:	84	Resp:	16864
Ion	Ratio	Lower	Upper
84	100		
49	127.5	93.5	140.3
51	38.2	29.4	44.2
86	63.2	53.0	79.4



#25
2-Butanone
Concen: 2.420 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.019 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

Tgt Ion:	43	Resp:	23537
Ion	Ratio	Lower	Upper
43	100		
72	23.3	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.424 ug/l

RT: 7.697 min Scan# 21

Delta R.T. 0.014 min

Lab File: VN070824.D

Acq: 28 Jan 2022 13:12

Instrument :

MSVOA_N

ClientSampleId :

PB142316ZHE#01

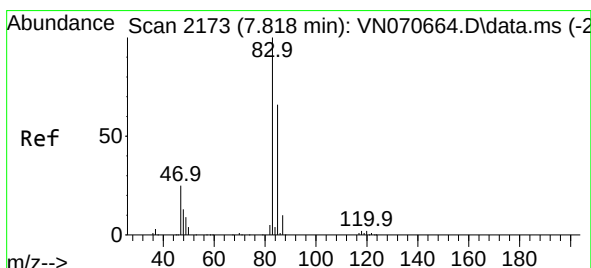
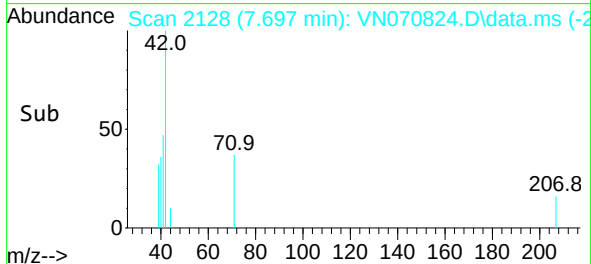
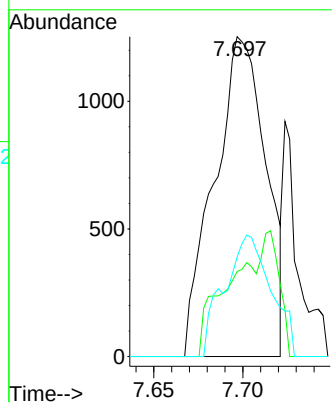
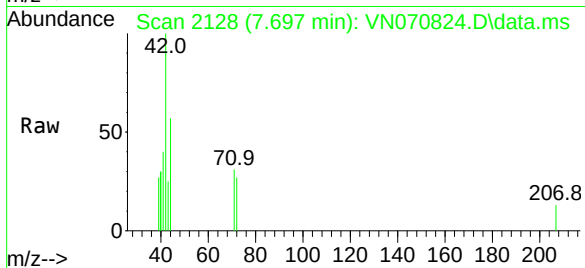
Tgt Ion: 42 Resp: 2527

Ion Ratio Lower Upper

42 100

72 21.8 36.3 54.5#

71 34.4 34.7 52.1#



#30

Chloroform

Concen: Below Cal

RT: 8.070 min Scan# 2267

Delta R.T. 0.252 min

Lab File: VN070824.D

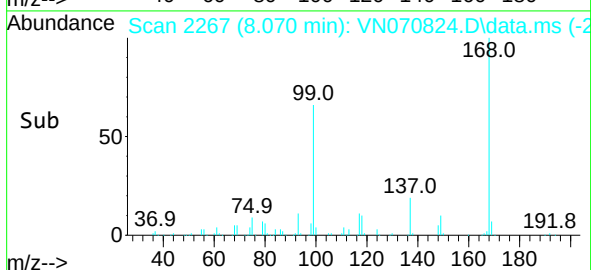
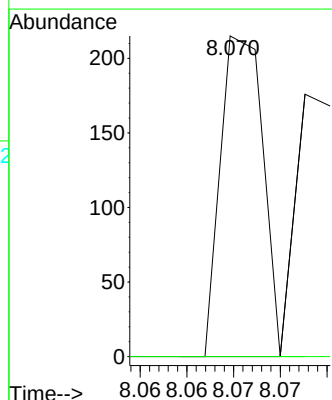
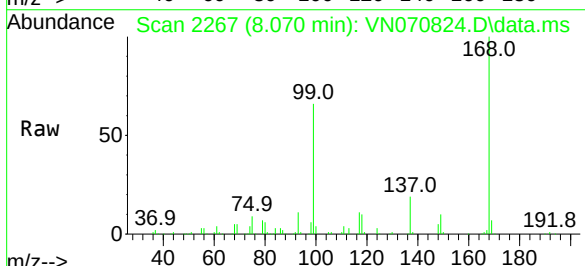
Acq: 28 Jan 2022 13:12

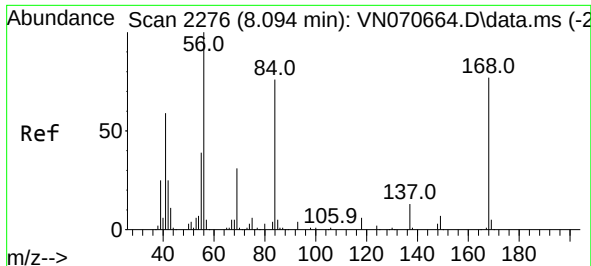
Tgt Ion: 83 Resp: 68

Ion Ratio Lower Upper

83 100

85 0.0 51.9 77.9#

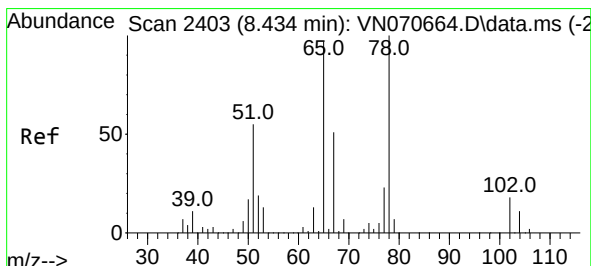
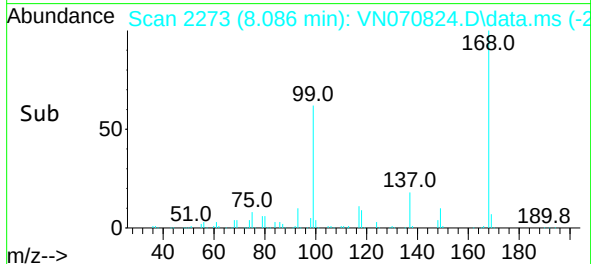
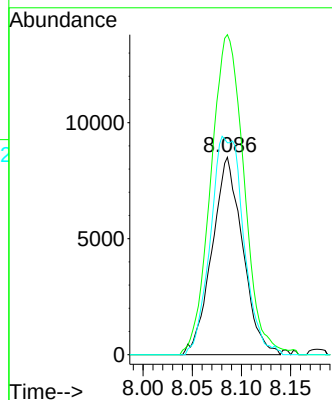
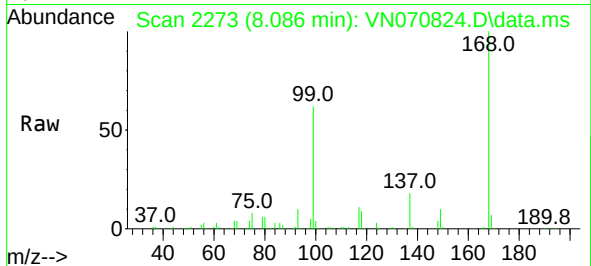




#31
Cyclohexane
Concen: 0.941 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

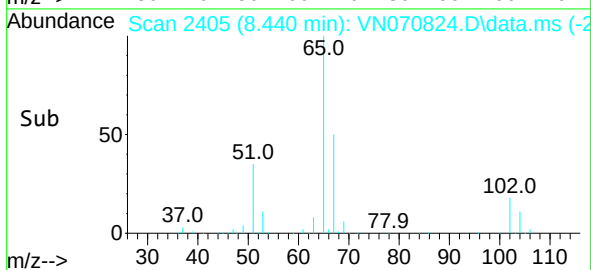
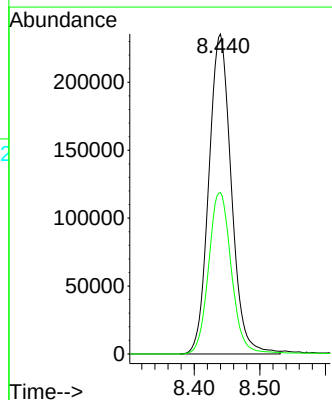
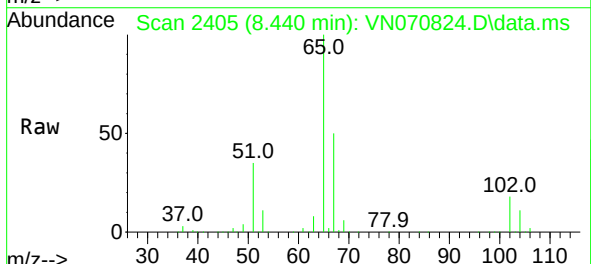
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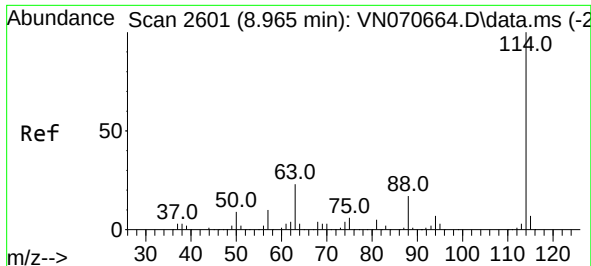
Tgt Ion: 56 Resp: 18457
Ion Ratio Lower Upper
56 100
69 162.1 27.1 40.7#
84 107.3 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 50.367 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.006 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

Tgt Ion: 65 Resp: 560939
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2

Delta R.T. 0.003 min

Lab File: VN070824.D

Acq: 28 Jan 2022 13:12

Instrument :

MSVOA_N

ClientSampleId :

PB142316ZHE#01

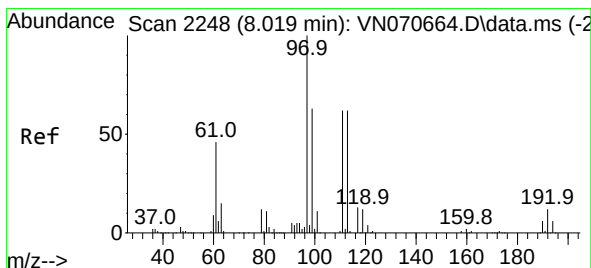
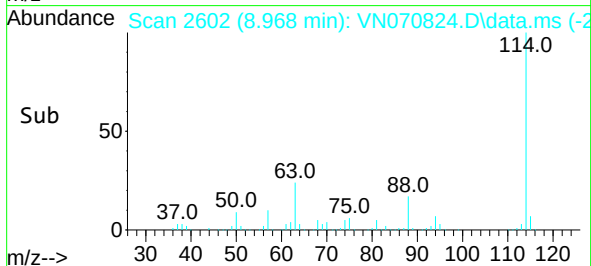
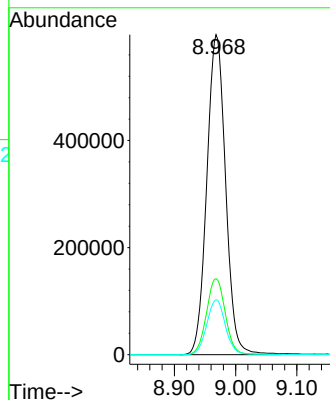
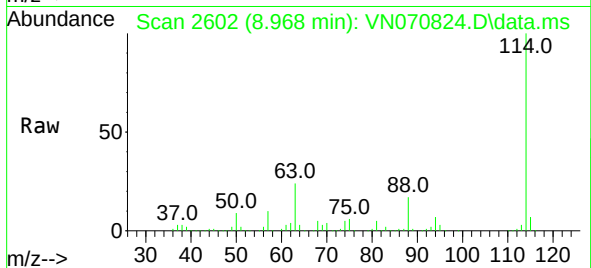
Tgt Ion:114 Resp: 1272752

Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 17.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 47.635 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.005 min

Lab File: VN070824.D

Acq: 28 Jan 2022 13:12

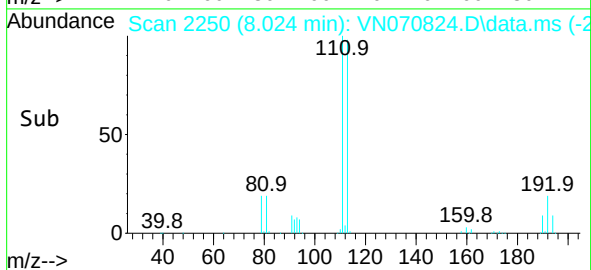
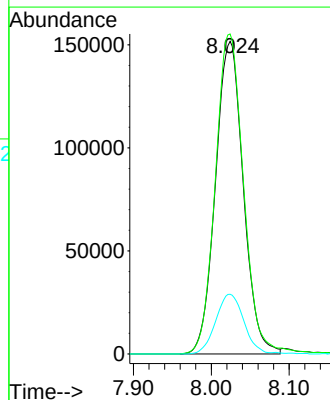
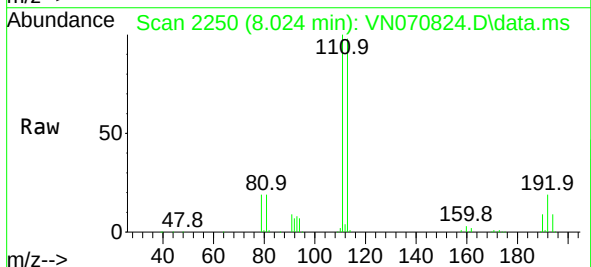
Tgt Ion:113 Resp: 376076

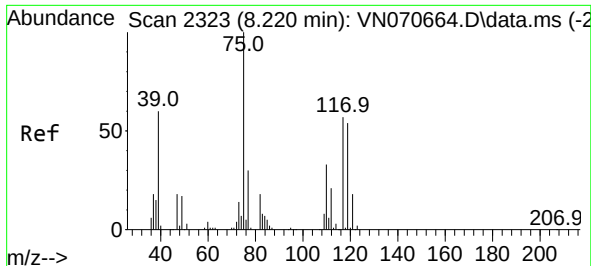
Ion Ratio Lower Upper

113 100

111 104.0 82.2 123.2

192 19.2 16.9 25.3

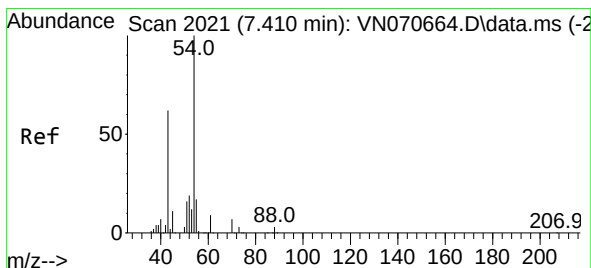
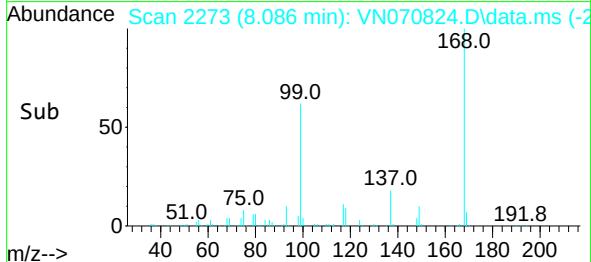
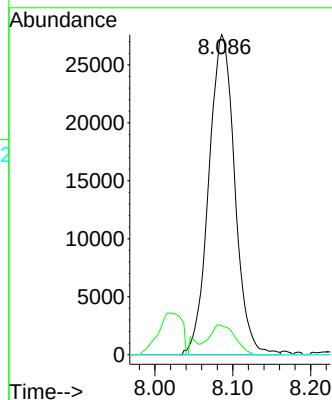
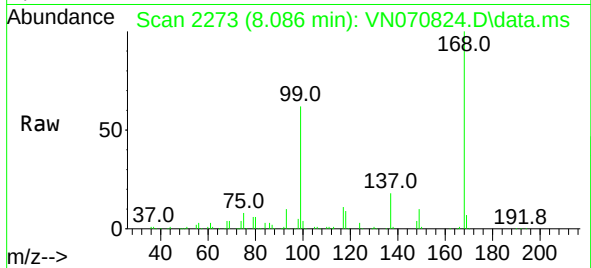




#36
1,1-Dichloropropene
Concen: 4.811 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

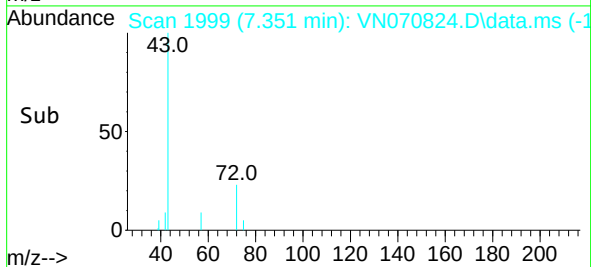
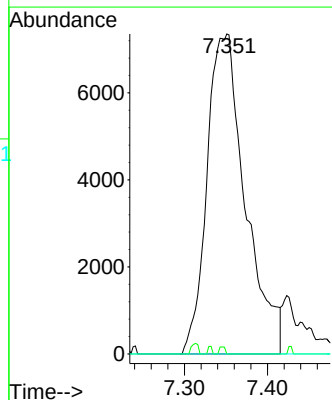
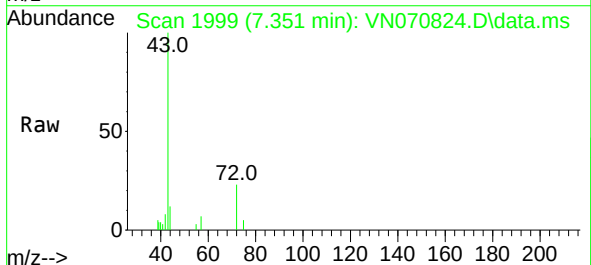
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#01

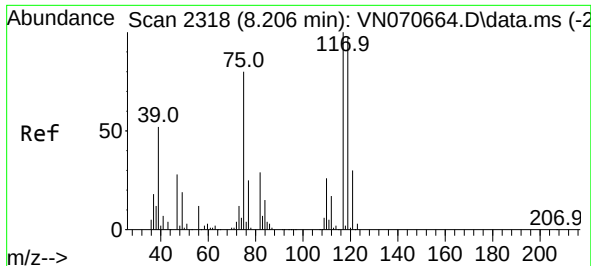
Tgt Ion: 75 Resp: 63943
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.334 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. -0.059 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

Tgt Ion: 43 Resp: 23537
Ion Ratio Lower Upper
43 100
61 0.3 11.5 17.3#
70 0.0 7.9 11.9#

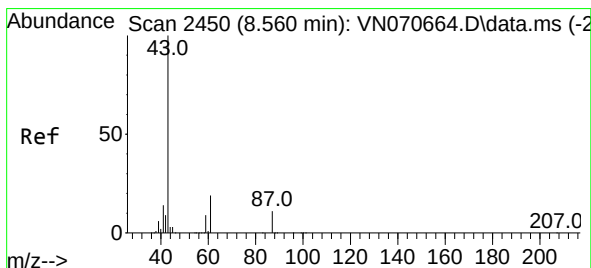
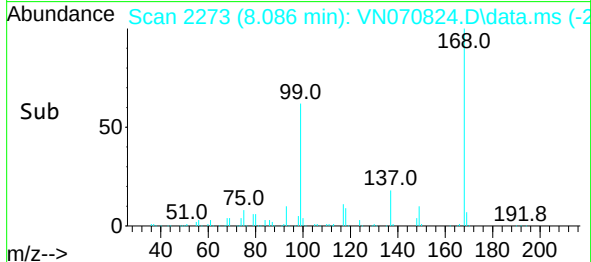
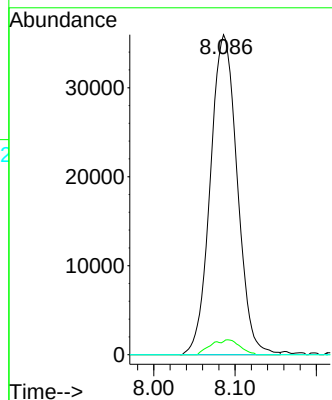
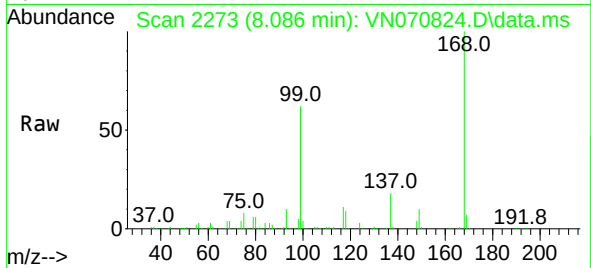




#38
Carbon Tetrachloride
Concen: 7.001 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

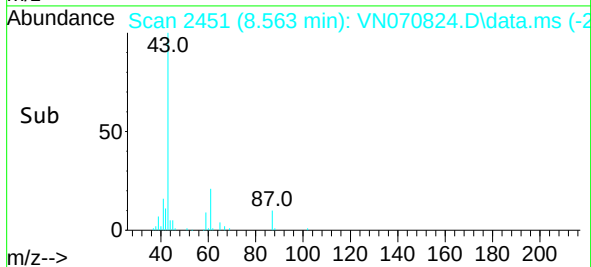
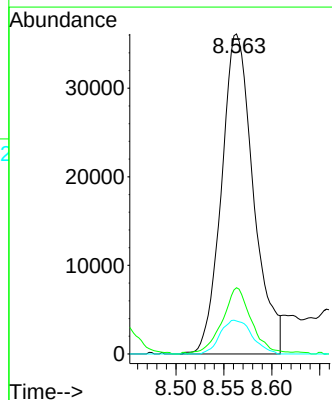
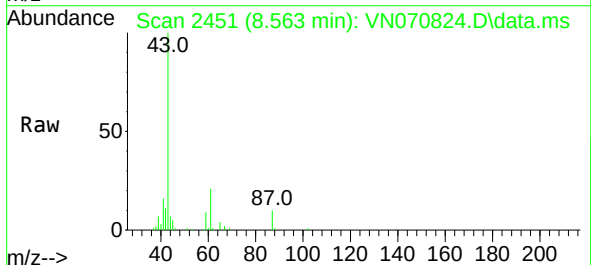
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#01

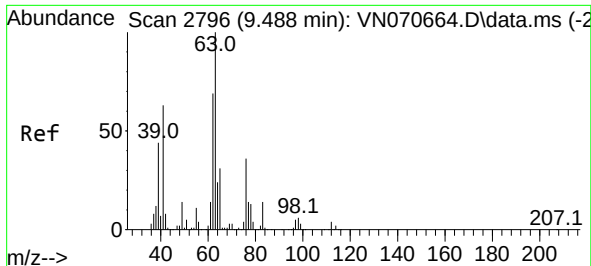
Tgt Ion:117 Resp: 82773
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.113 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

Tgt Ion: 43 Resp: 83897
Ion Ratio Lower Upper
43 100
61 18.9 20.4 30.6#
87 10.5 11.2 16.8#





#45

1,2-Dichloropropane

Concen: 0.473 ug/l

RT: 9.625 min Scan# 2819

Delta R.T. 0.137 min

Lab File: VN070824.D

Acq: 28 Jan 2022 13:12

Instrument :

MSVOA_N

ClientSampleId :

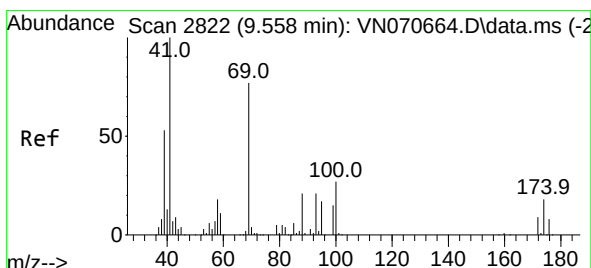
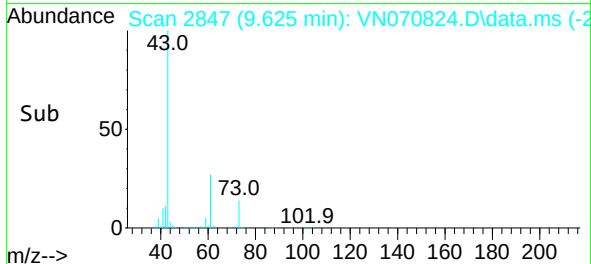
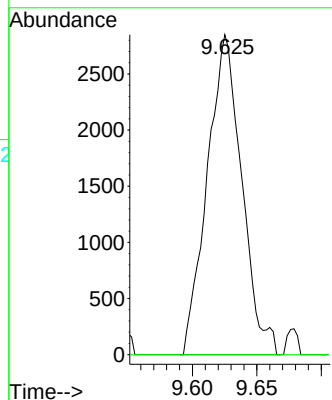
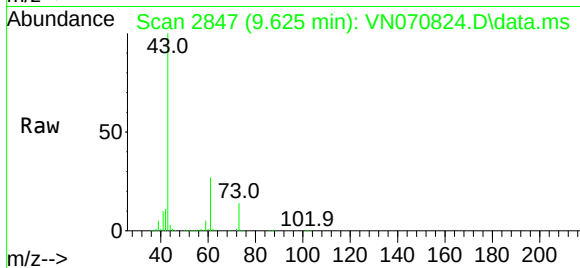
PB142316ZHE#01

Tgt Ion: 63 Resp: 5303

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.618 ug/l

RT: 9.550 min Scan# 2819

Delta R.T. -0.008 min

Lab File: VN070824.D

Acq: 28 Jan 2022 13:12

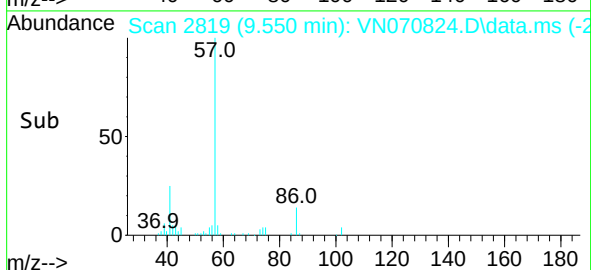
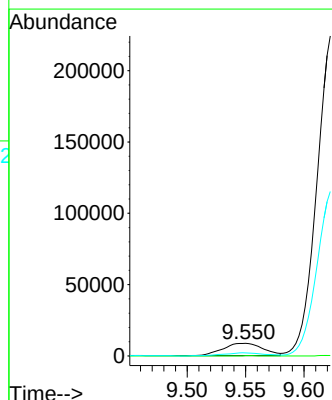
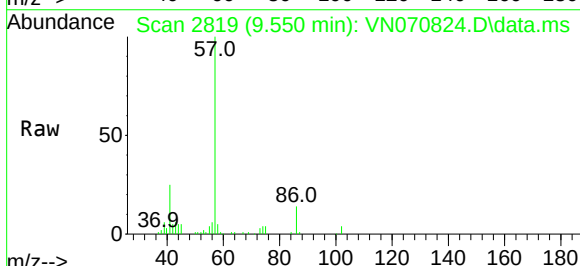
Tgt Ion: 41 Resp: 20780

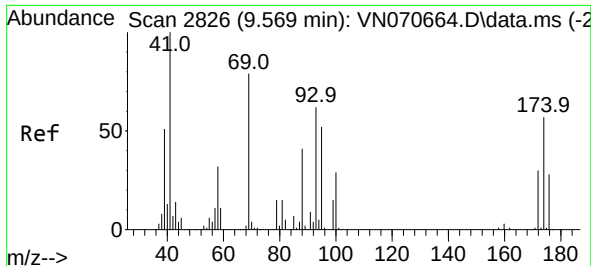
Ion Ratio Lower Upper

41 100

69 0.7 72.4 108.6#

39 0.0 58.4 87.6#





#49

1,4-Dioxane

Concen: 1.835 ug/l

RT: 9.617 min Scan# 21

Delta R.T. 0.048 min

Lab File: VN070824.D

Acq: 28 Jan 2022 13:12

Instrument :

MSVOA_N

ClientSampleId :

PB142316ZHE#01

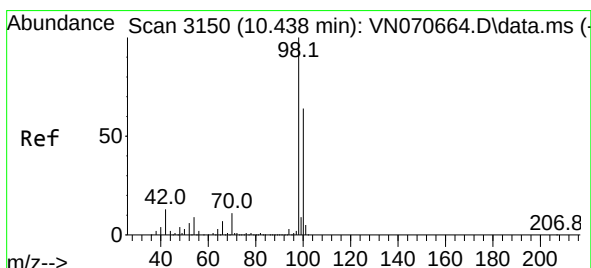
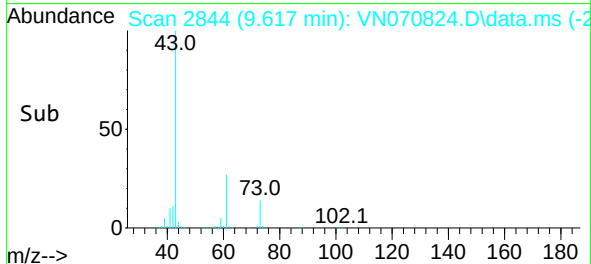
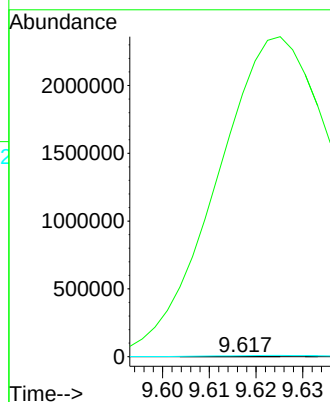
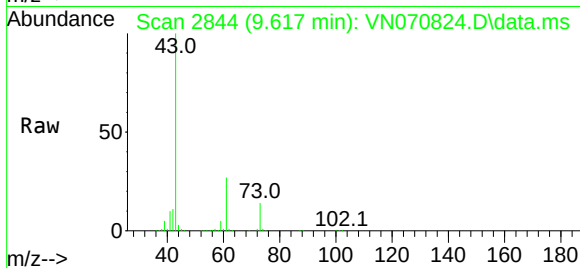
Tgt Ion: 88 Resp: 354

Ion Ratio Lower Upper

88 100

43 1306309.6 23.4 35.2#

58 4995.2 50.6 75.8#



#50

Toluene-d8

Concen: 48.770 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070824.D

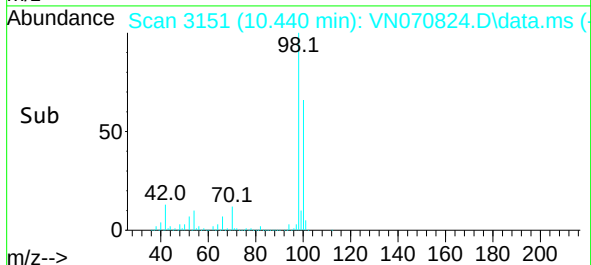
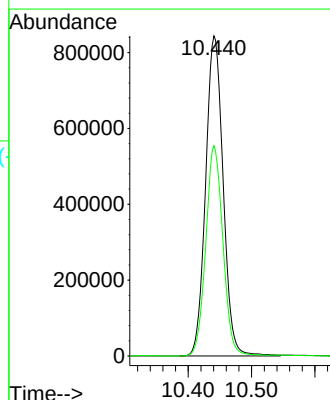
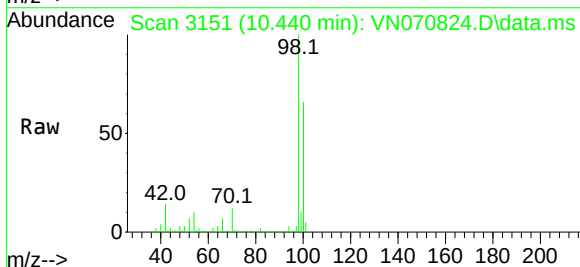
Acq: 28 Jan 2022 13:12

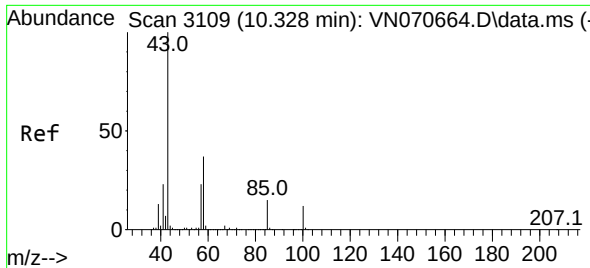
Tgt Ion: 98 Resp: 1622048

Ion Ratio Lower Upper

98 100

100 64.3 50.4 75.6

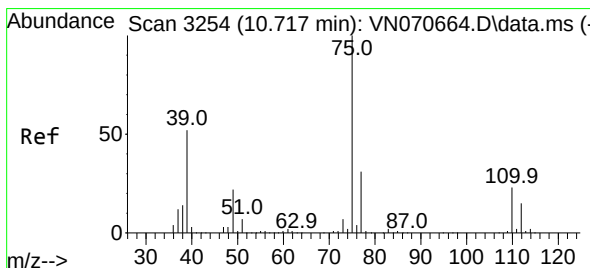
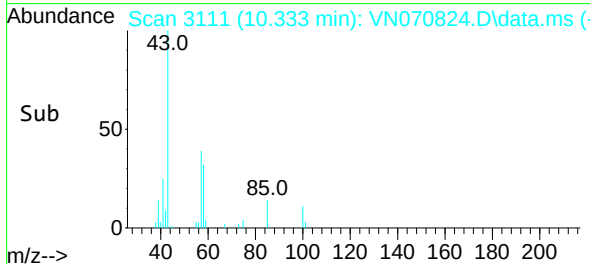
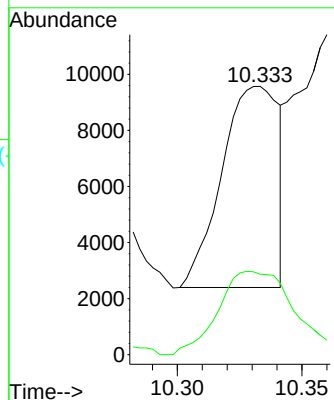
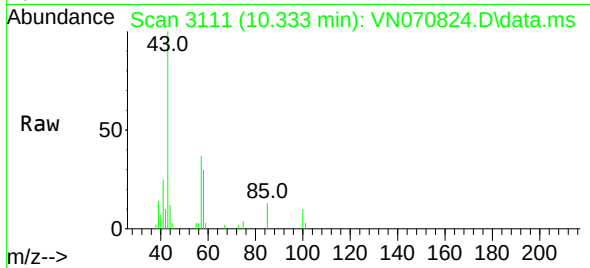




#51
4-Methyl-2-Pentanone
Concen: 0.658 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.005 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

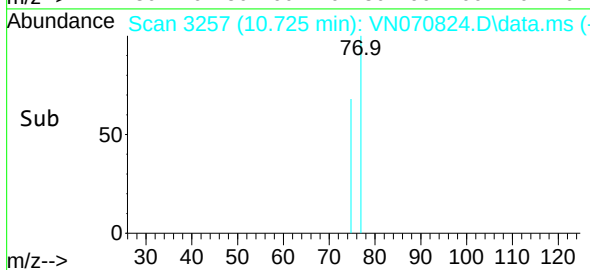
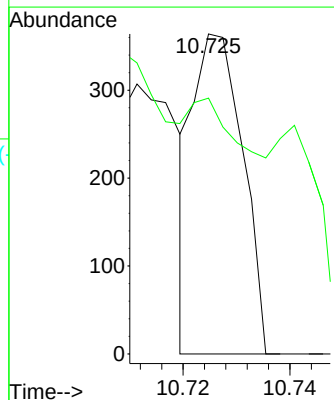
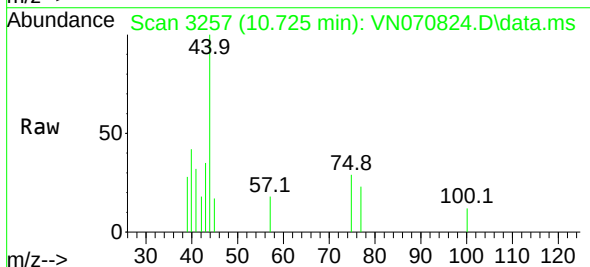
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#01

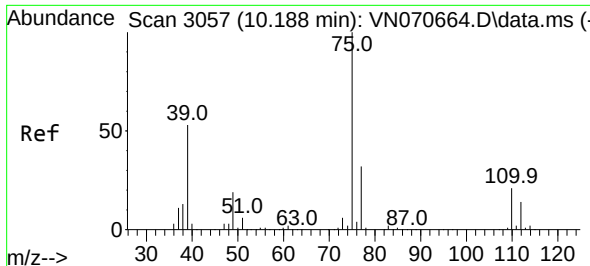
Tgt Ion: 43 Resp: 11313
Ion Ratio Lower Upper
43 100
58 56.7 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.418 ug/l
RT: 10.725 min Scan# 3257
Delta R.T. 0.008 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

Tgt Ion: 75 Resp: 234
Ion Ratio Lower Upper
75 100
77 12.6 25.6 38.4#

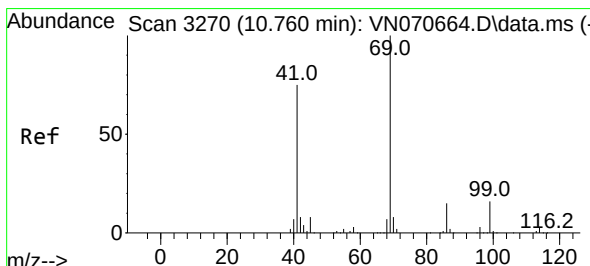
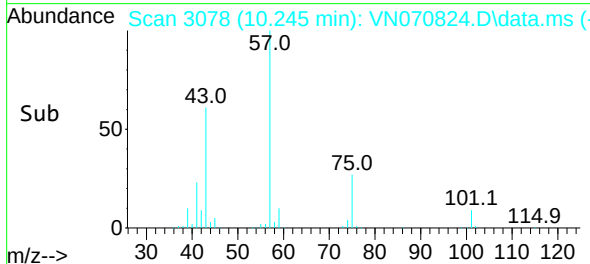
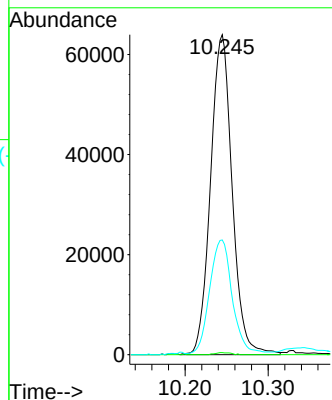
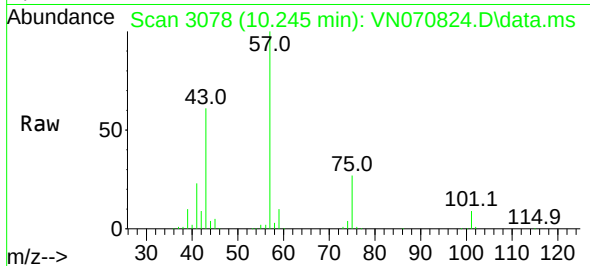




#54
cis-1,3-Dichloropropene
Concen: 7.247 ug/l
RT: 10.245 min Scan# 3057
Delta R.T. 0.057 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

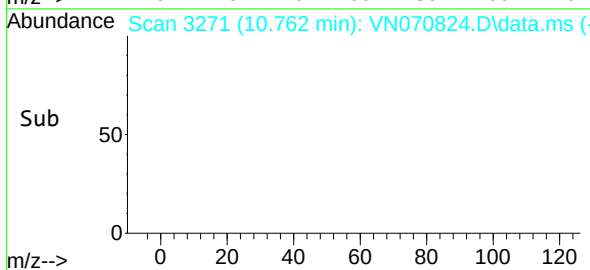
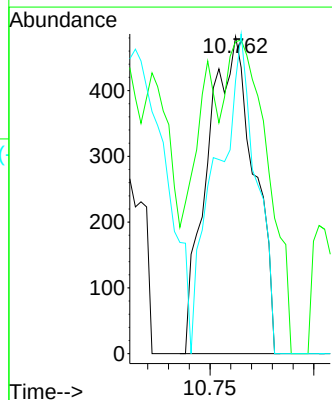
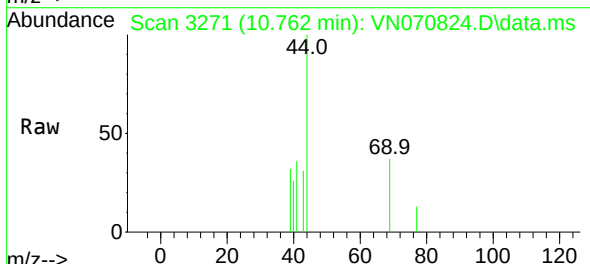
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#01

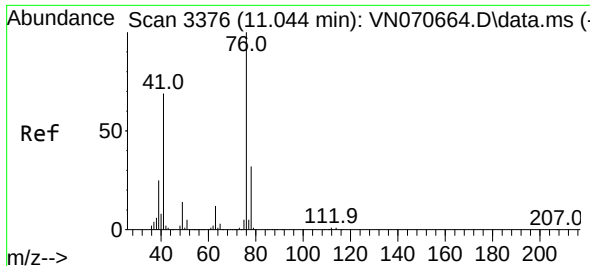
Tgt Ion: 75 Resp: 115740
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 35.1 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.341 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.002 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

Tgt Ion: 69 Resp: 753
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#





#57

1,3-Dichloropropane

Concen: 4.107 ug/l

RT: 11.090 min Scan# 31

Delta R.T. 0.046 min

Lab File: VN070824.D

Acq: 28 Jan 2022 13:12

Instrument :

MSVOA_N

ClientSampleId :

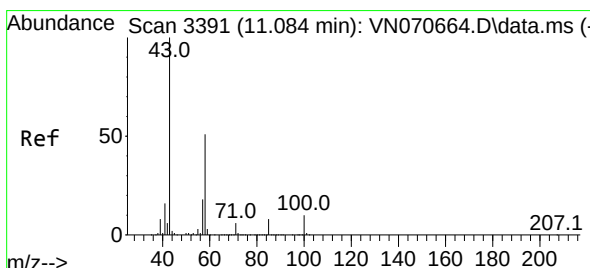
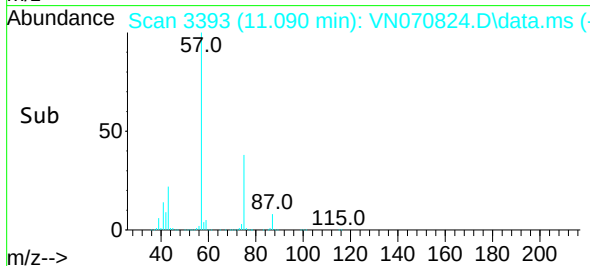
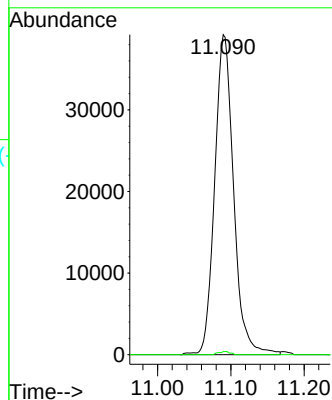
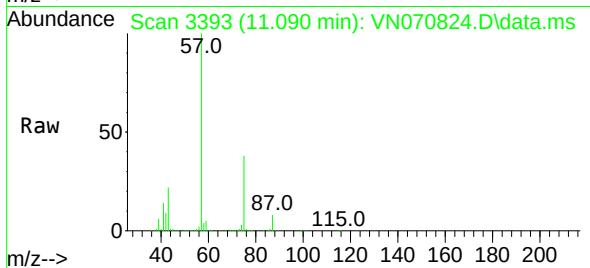
PB142316ZHE#01

Tgt Ion: 76 Resp: 70359

Ion Ratio Lower Upper

76 100

78 0.6 25.7 38.5#



#59

2-Hexanone

Concen: 94.574 ug/l

RT: 11.092 min Scan# 3394

Delta R.T. 0.008 min

Lab File: VN070824.D

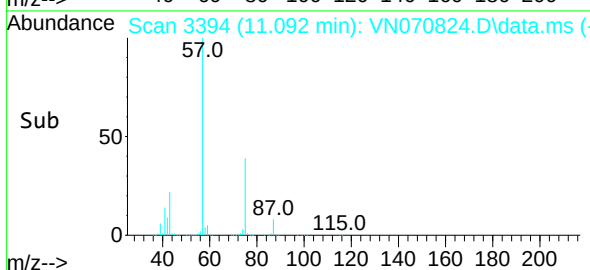
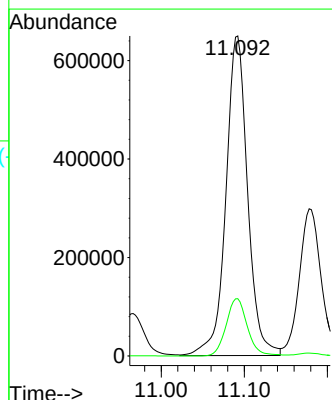
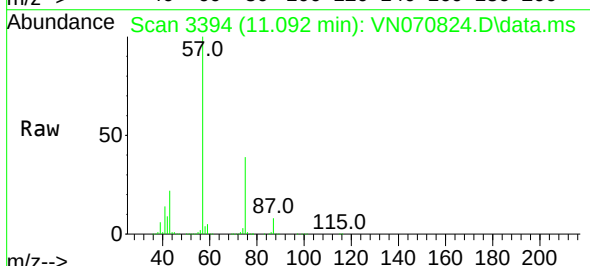
Acq: 28 Jan 2022 13:12

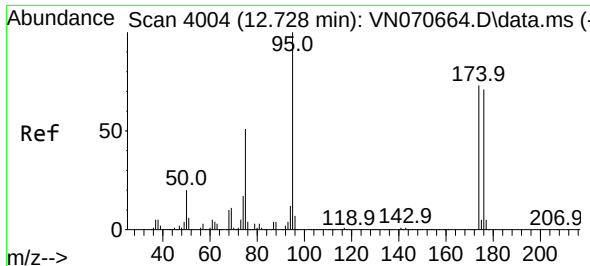
Tgt Ion: 43 Resp: 1181540

Ion Ratio Lower Upper

43 100

58 17.6 26.9 80.7#

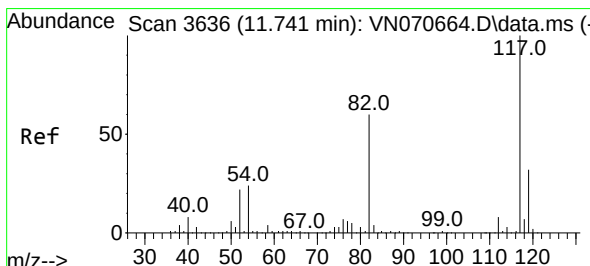
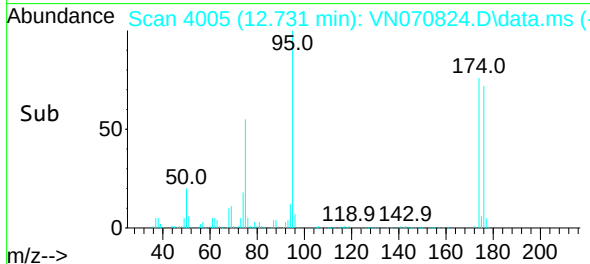
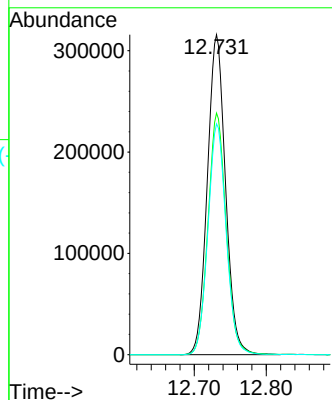
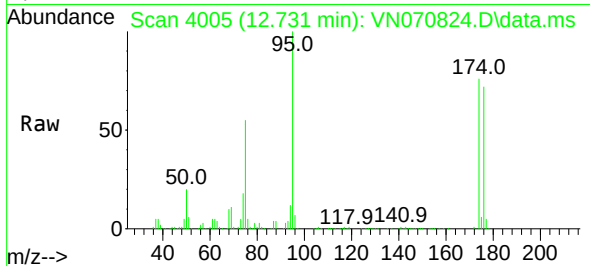




#62
4-Bromofluorobenzene
Concen: 46.918 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

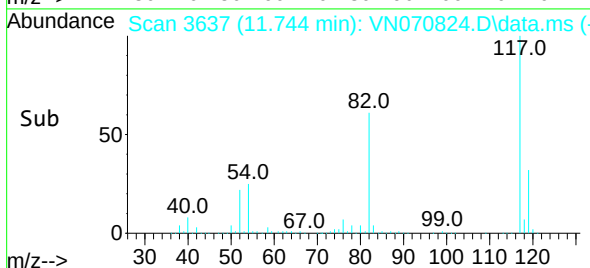
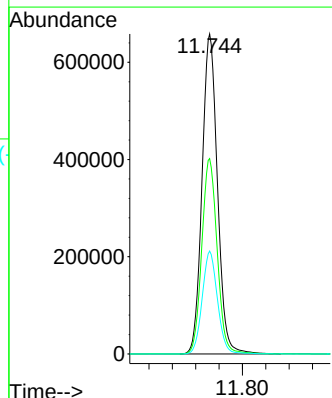
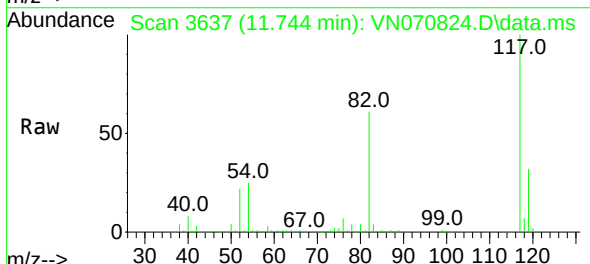
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#01

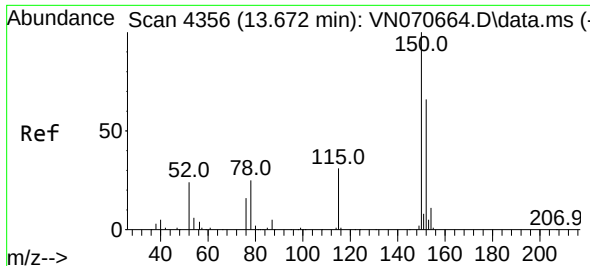
Tgt Ion: 95 Resp: 556056
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 72.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

Tgt Ion: 117 Resp: 1204746
Ion Ratio Lower Upper
117 100
82 61.0 42.4 63.6
119 32.1 25.4 38.2

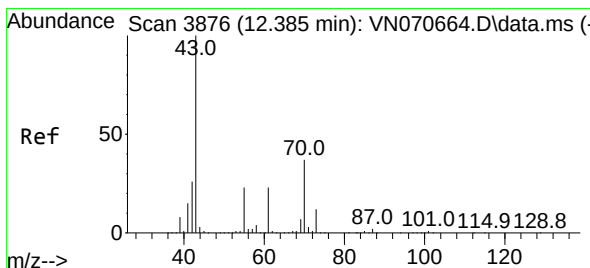
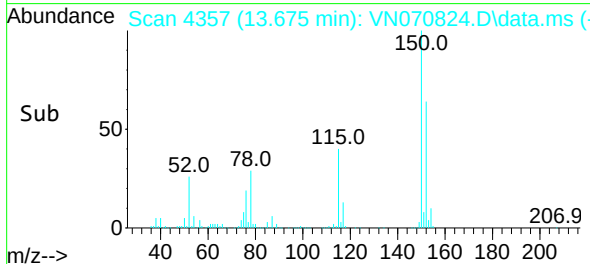
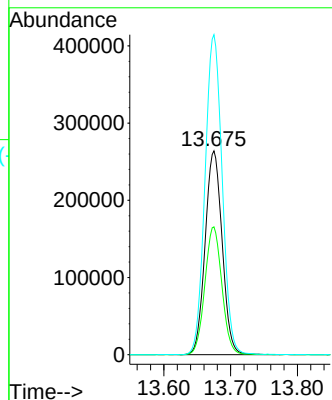
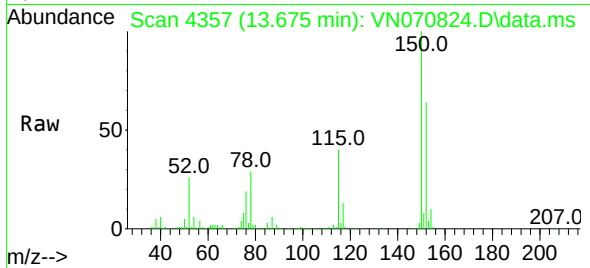




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

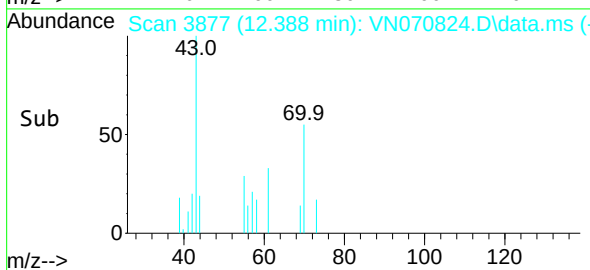
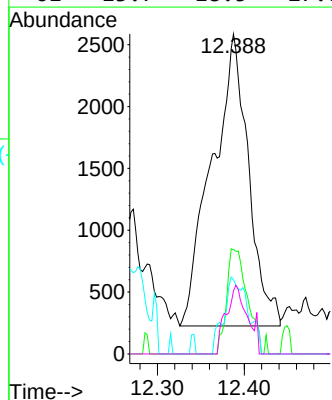
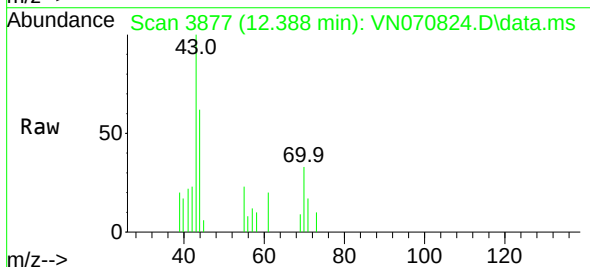
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#01

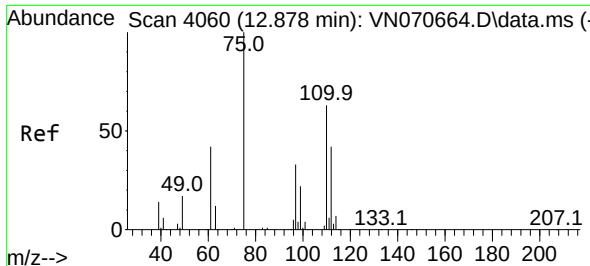
Tgt Ion:152 Resp: 467959
Ion Ratio Lower Upper
152 100
115 62.7 27.5 82.5
150 158.2 0.0 344.4



#74
N-ethyl acetate
Concen: 0.380 ug/l
RT: 12.388 min Scan# 3877
Delta R.T. 0.003 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

Tgt Ion: 43 Resp: 6882
Ion Ratio Lower Upper
43 100
70 20.4 33.4 50.0#
55 17.4 19.3 28.9#
61 13.7 18.5 27.7#

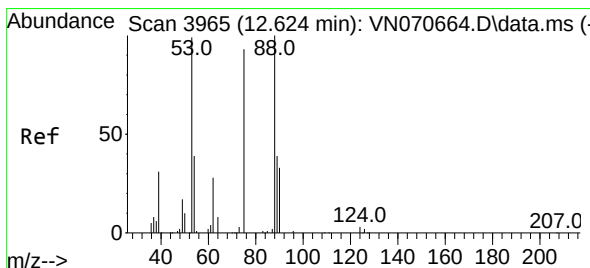
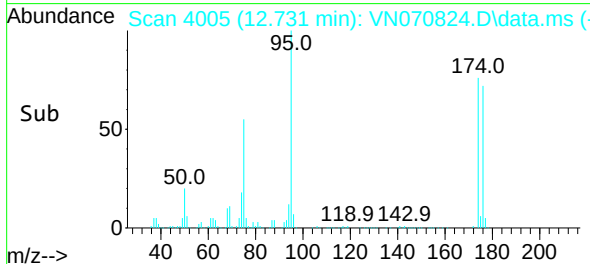
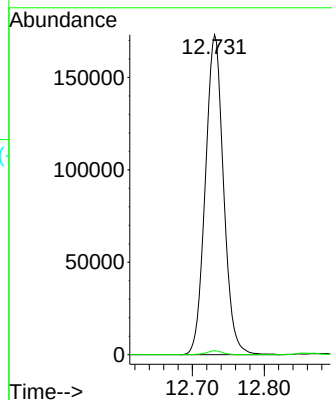
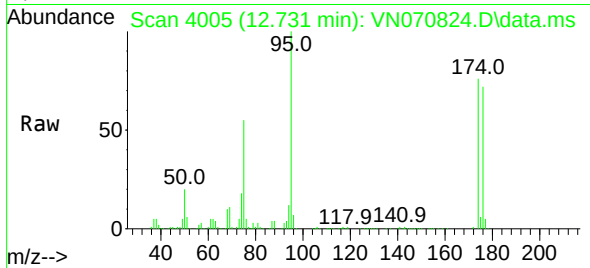




#76
1,2,3-Trichloropropane
Concen: 24.562 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

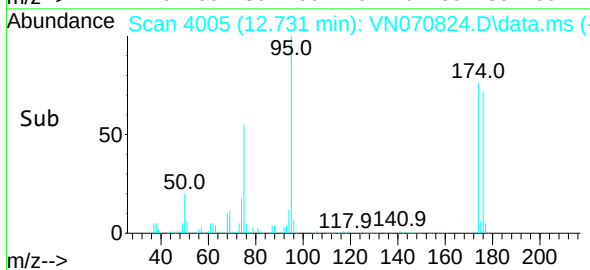
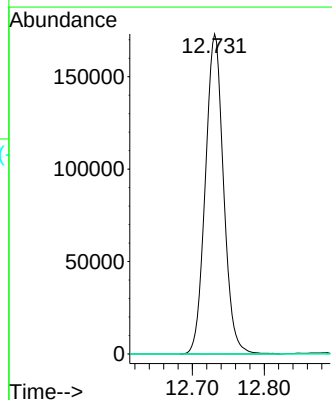
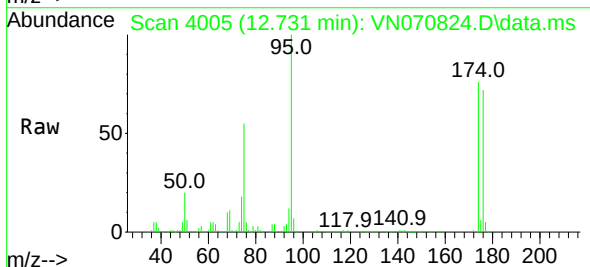
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#01

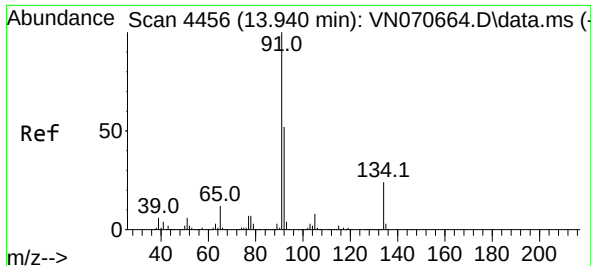
Tgt Ion: 75 Resp: 304854
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.175 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

Tgt Ion: 75 Resp: 304854
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

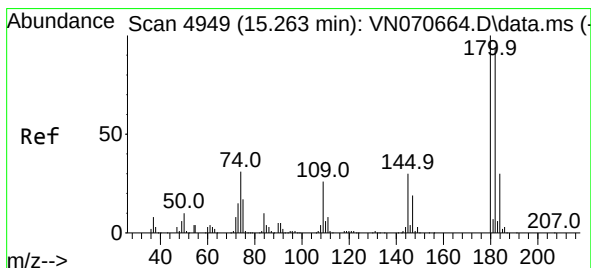
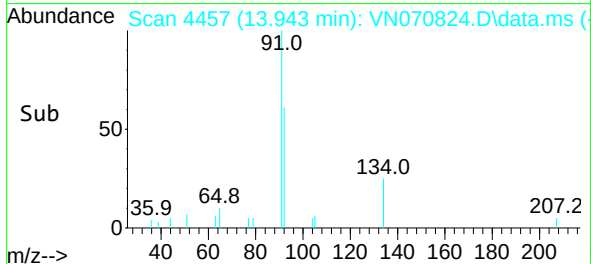
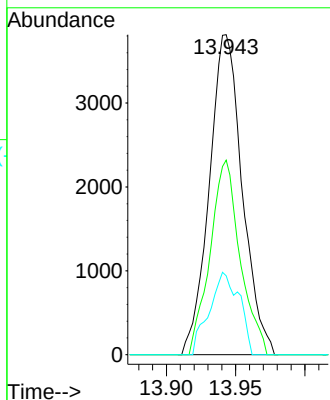
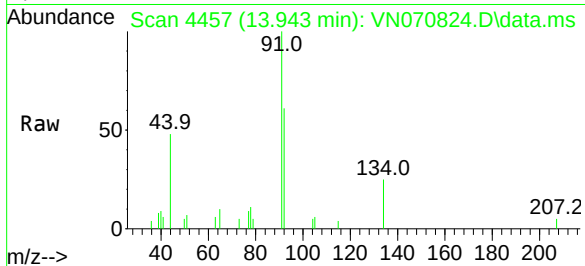




#89
n-Butylbenzene
Concen: 0.230 ug/l
RT: 13.943 min Scan# 4456
Delta R.T. 0.003 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

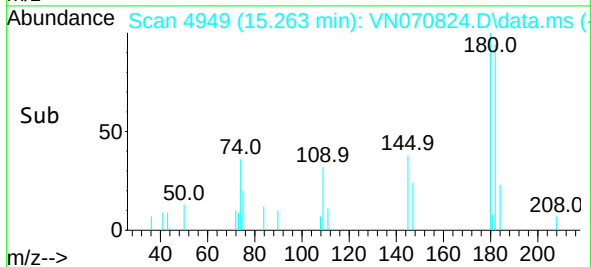
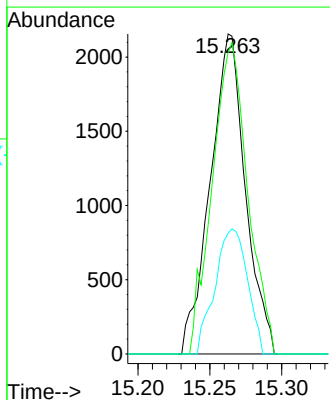
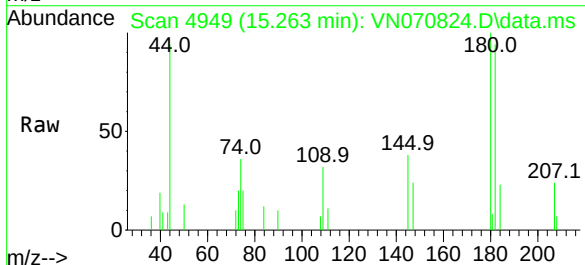
Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#01

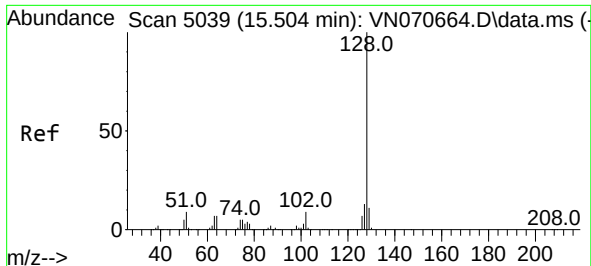
Tgt Ion: 91 Resp: 6323
Ion Ratio Lower Upper
91 100
92 55.3 25.4 76.0
134 23.4 13.6 40.8



#93
1,2,4-Trichlorobenzene
Concen: 3.819 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.000 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

Tgt Ion: 180 Resp: 3657
Ion Ratio Lower Upper
180 100
182 98.4 48.3 144.9
145 36.1 14.5 43.5

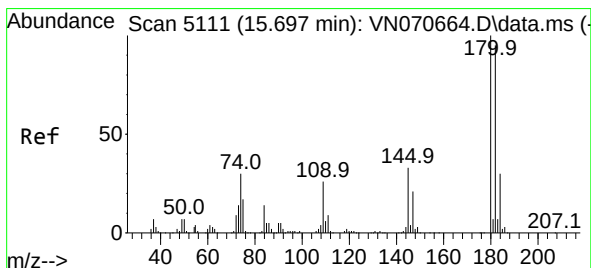
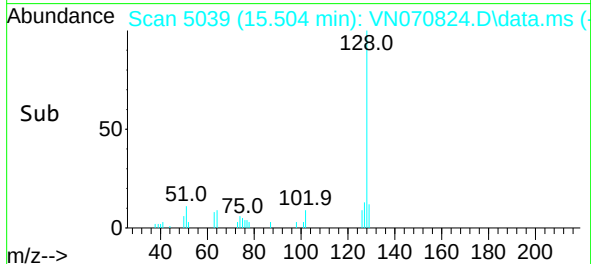
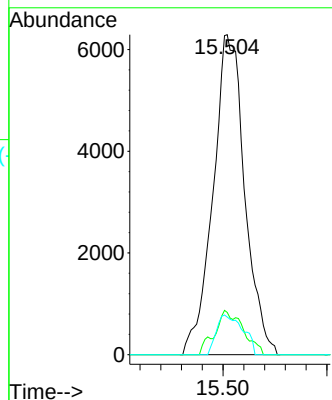
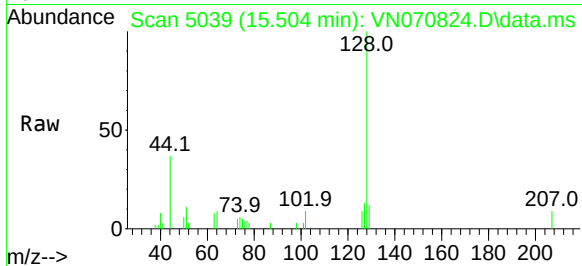




#95
Naphthalene
Concen: 5.444 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. 0.000 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

Instrument :
MSVOA_N
ClientSampleId :
PB142316ZHE#01

Tgt Ion:	128	Resp:	13343
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.5	15.7
129	10.3	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.684 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.008 min
Lab File: VN070824.D
Acq: 28 Jan 2022 13:12

Tgt Ion:	180	Resp:	4134
Ion Ratio	Lower	Upper	
180	100		
182	92.1	47.4	142.2
145	29.5	15.0	45.1

