

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
 Data File : VN071946.D
 Acq On : 11 Apr 2022 19:17
 Operator : JC\MD
 Sample : PB143992ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 08:42:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

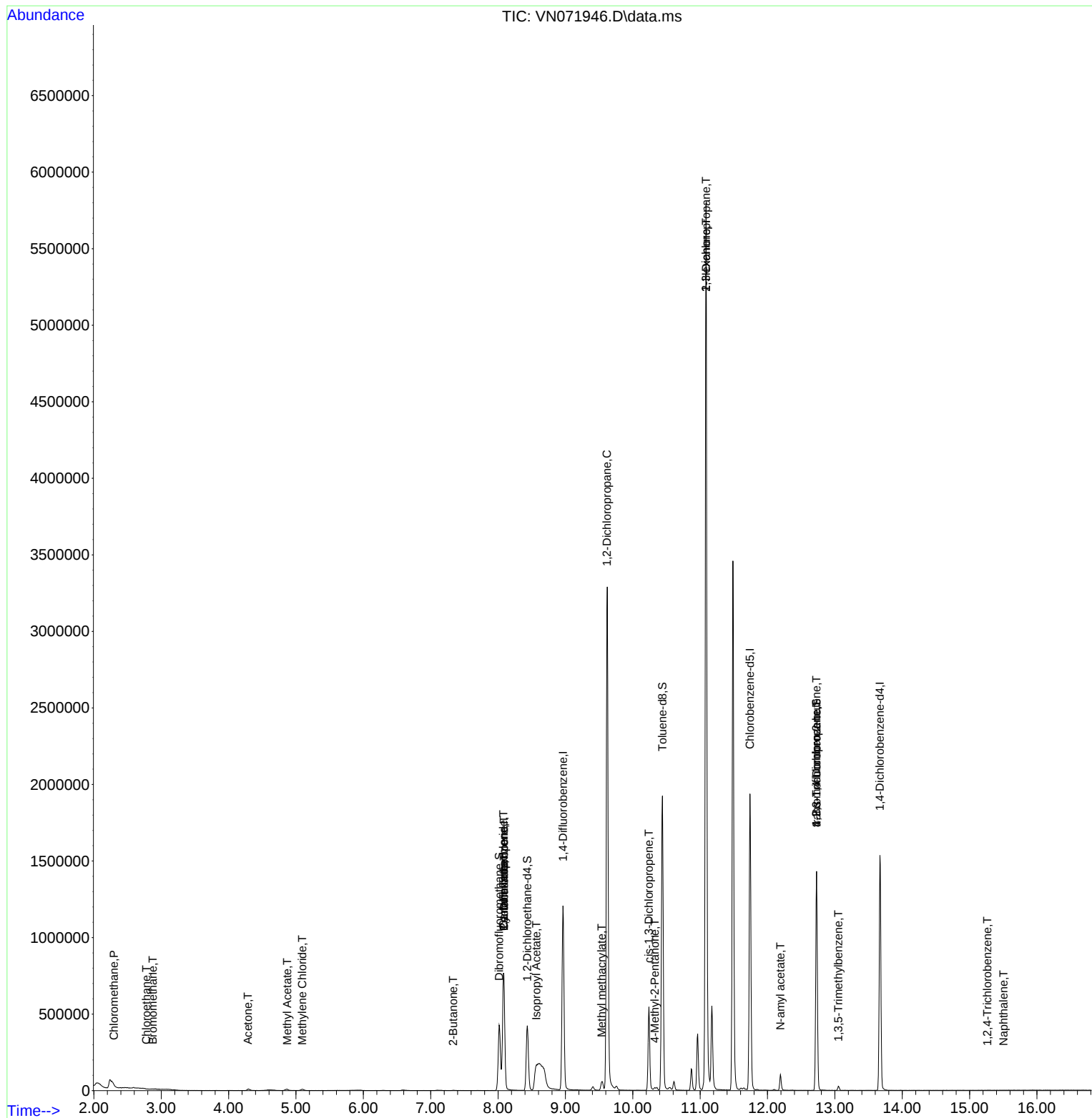
Internal Standards						
1) Pentafluorobenzene	8.087	168	653260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1123769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1191272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	455448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	354754	47.569	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	95.140%	
35) Dibromofluoromethane	8.016	113	317809	48.060	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	96.120%	
50) Toluene-d8	10.439	98	1425143	52.683	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	105.360%	
62) 4-Bromofluorobenzene	12.727	95	503705	57.574	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	115.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2084	0.317	ug/l #	69
5) Bromomethane	2.875	94	970	0.206	ug/l	94
6) Chloroethane	2.781	64	1916	0.369	ug/l #	74
16) Acetone	4.287	43	17174	5.388	ug/l	95
18) Methyl Acetate	4.869	43	19014	0.923	ug/l	99
20) Methylene Chloride	5.093	84	7317	1.089	ug/l	94
25) 2-Butanone	7.334	43	1566	0.341	ug/l #	83
31) Cyclohexane	8.087	56	10453	1.031	ug/l #	1
36) 1,1-Dichloropropene	8.087	75	43643	4.726	ug/l #	48
38) Carbon Tetrachloride	8.081	117	57546	6.359	ug/l #	18
43) Isopropyl Acetate	8.569	43	179921	10.702	ug/l #	71
45) 1,2-Dichloropropane	9.616	63	4977	0.683	ug/l #	44
48) Methyl methacrylate	9.539	41	14865	2.131	ug/l #	10
49) 1,4-Dioxane	9.592	88	63	Below Cal	#	25
51) 4-Methyl-2-Pentanone	10.328	43	10536	1.090	ug/l	92
54) cis-1,3-Dichloropropene	10.239	75	111844	9.916	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	66903	5.273	ug/l #	42
59) 2-Hexanone	11.086	43	794274	116.715	ug/l #	49
74) N-amyl acetate	12.192	43	28514	2.593	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	243070	23.038	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.051	105	13605	0.447	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.727	75	243070	71.394	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.263	180	54	2.093	ug/l #	12
95) Naphthalene	15.504	128	465	3.824	ug/l #	69

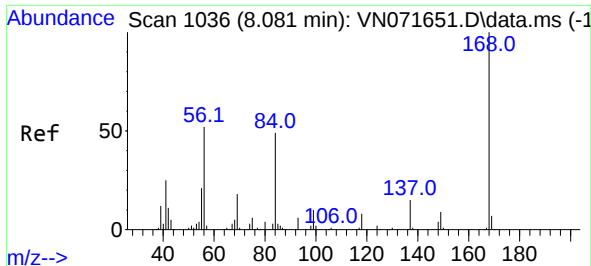
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
Data File : VN071946.D
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Instrument :
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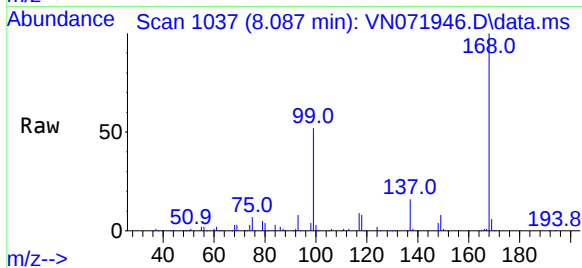
Quant Time: Apr 12 08:42:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
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QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration



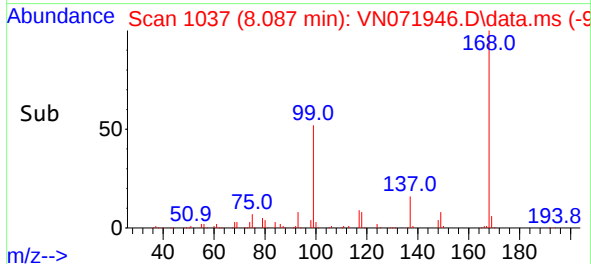
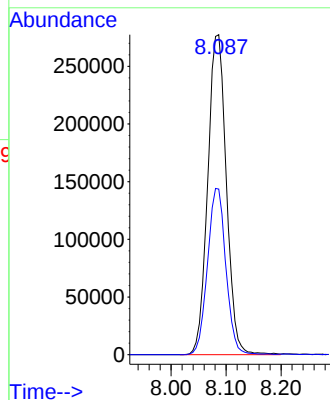


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Instrument :
MSVOA_N
ClientSampleId :

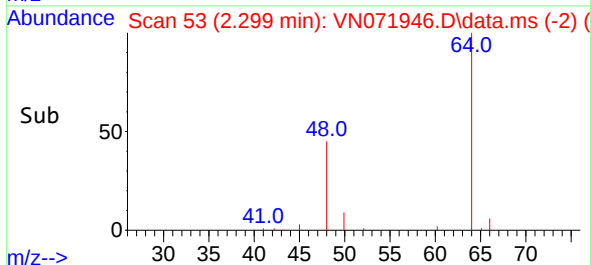
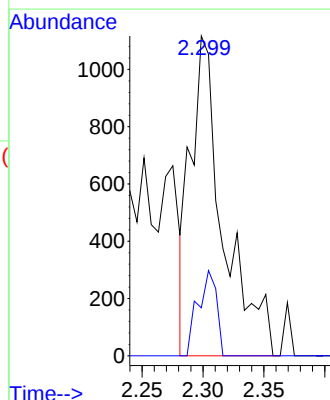
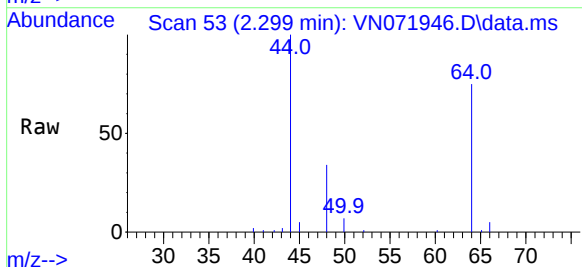


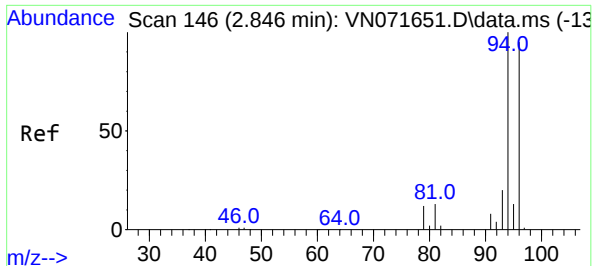
Tgt Ion:168 Resp: 653260
Ion Ratio Lower Upper
168 100
99 51.8 42.3 63.5



#3
Chloromethane
Concen: 0.317 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Tgt Ion: 50 Resp: 2084
Ion Ratio Lower Upper
50 100
52 15.0 25.7 38.5#

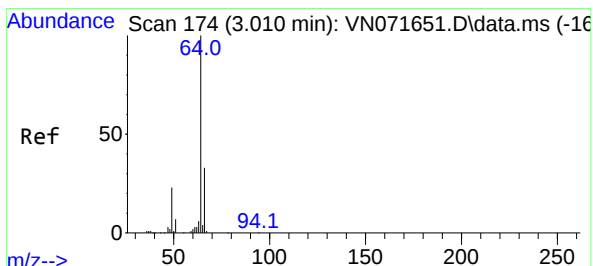
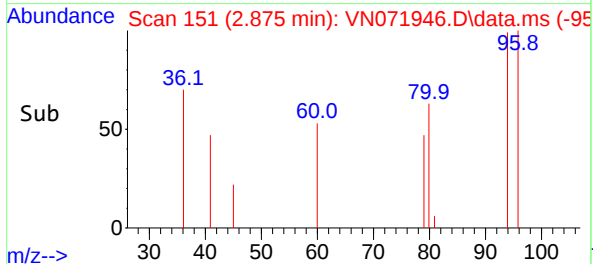
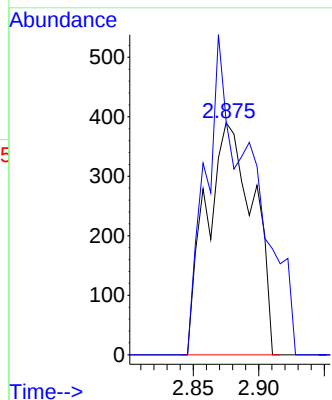
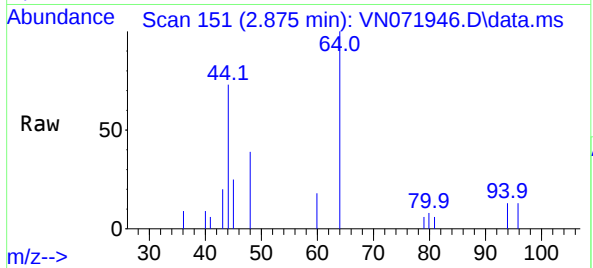




#5
Bromomethane
Concen: 0.206 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

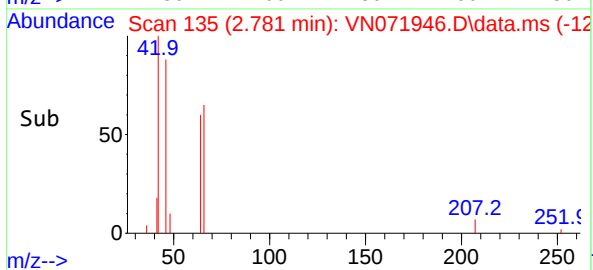
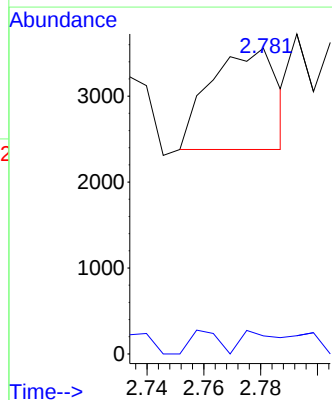
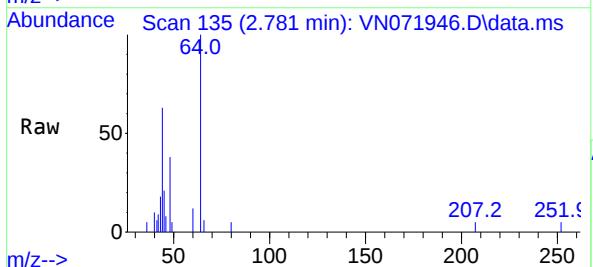
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 970
Ion Ratio Lower Upper
94 100
96 100.8 76.0 114.0



#6
Chloroethane
Concen: 0.369 ug/l
RT: 2.781 min Scan# 135
Delta R.T. -0.229 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Tgt Ion: 64 Resp: 1916
Ion Ratio Lower Upper
64 100
66 17.9 26.2 39.4#

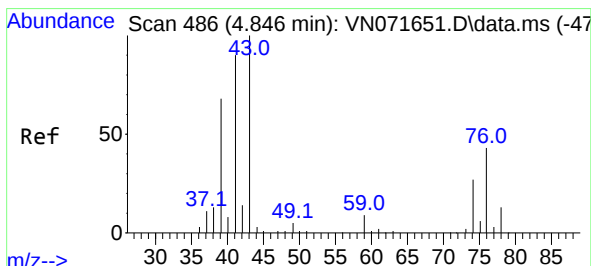
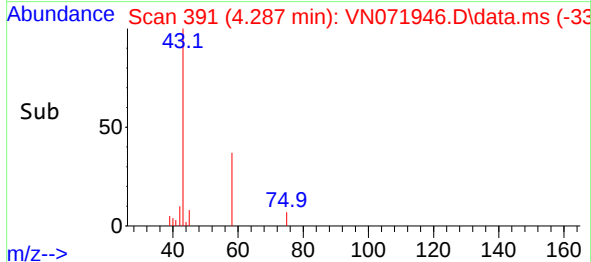
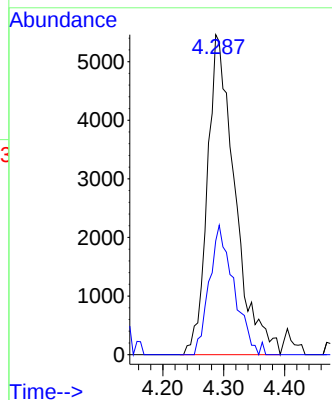
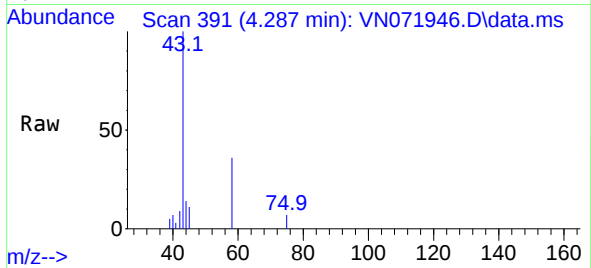




#16
Acetone
Concen: 5.388 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

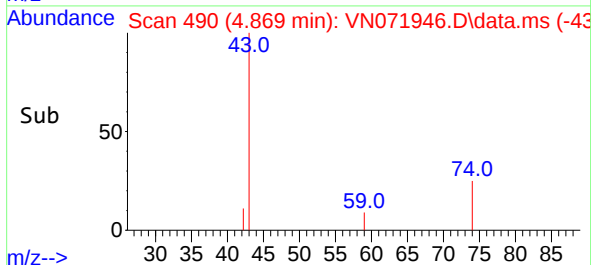
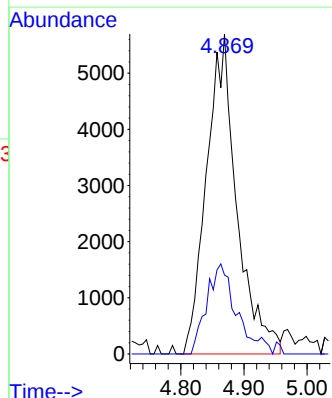
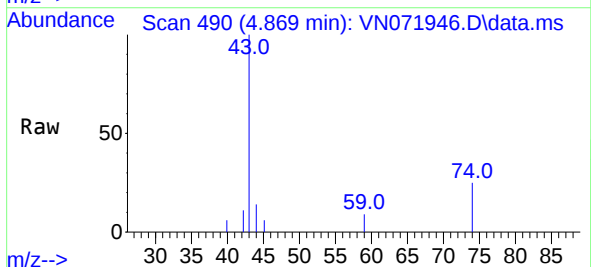
Instrument :
MSVOA_N
ClientSampleId :

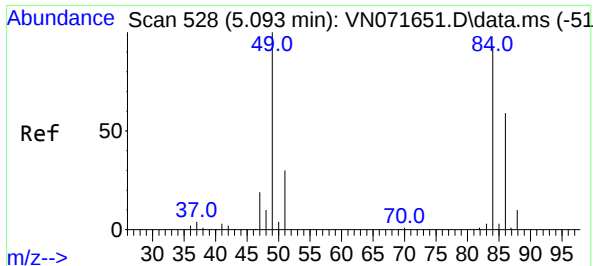
Tgt Ion: 43 Resp: 17174
Ion Ratio Lower Upper
43 100
58 35.5 26.0 39.0



#18
Methyl Acetate
Concen: 0.923 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

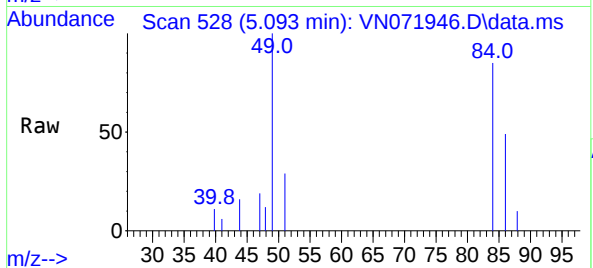
Tgt Ion: 43 Resp: 19014
Ion Ratio Lower Upper
43 100
74 27.8 21.6 32.4



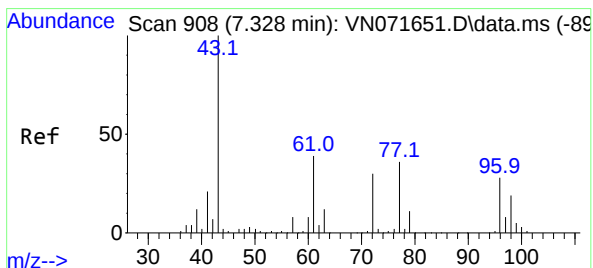
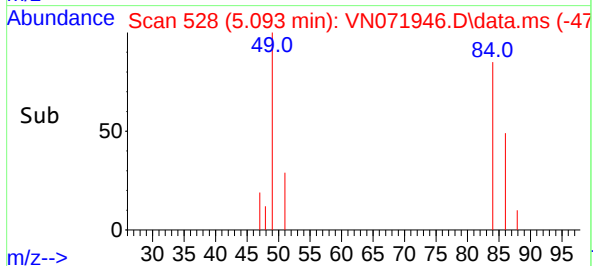
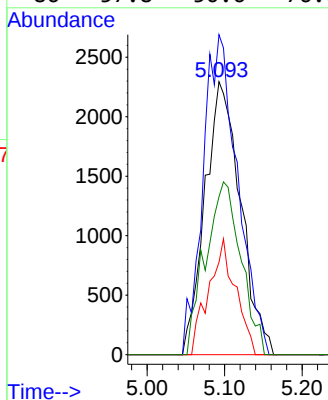


#20
Methylene Chloride
Concen: 1.089 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Instrument :
MSVOA_N
ClientSampleId :

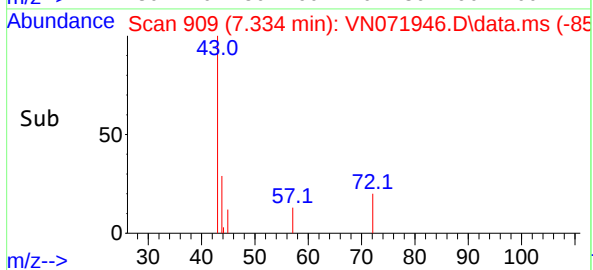
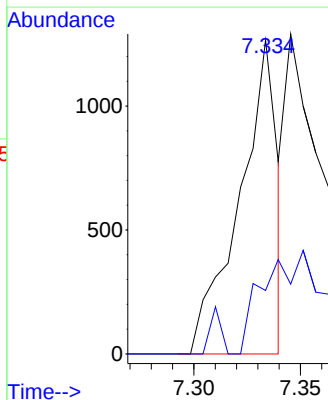
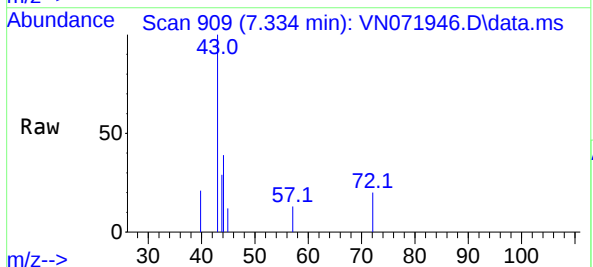


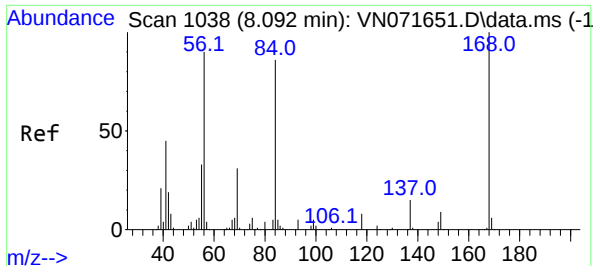
Tgt Ion: 84 Resp: 7317
Ion Ratio Lower Upper
84 100
49 117.3 88.3 132.5
51 33.9 28.2 42.2
86 57.8 50.6 76.0



#25
2-Butanone
Concen: 0.341 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

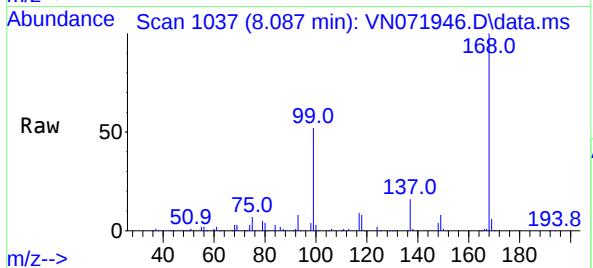
Tgt Ion: 43 Resp: 1566
Ion Ratio Lower Upper
43 100
72 20.2 23.7 35.5#



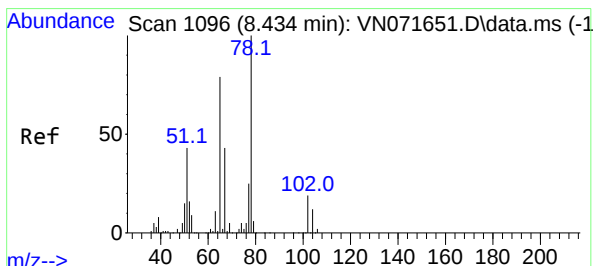
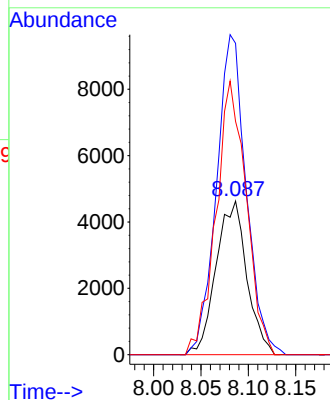
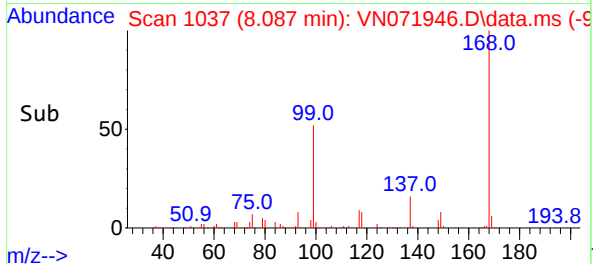


#31
Cyclohexane
Concen: 1.031 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Instrument :
MSVOA_N
ClientSampleId :

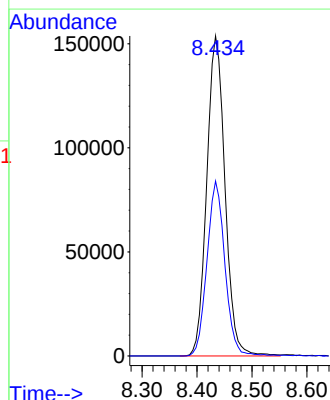
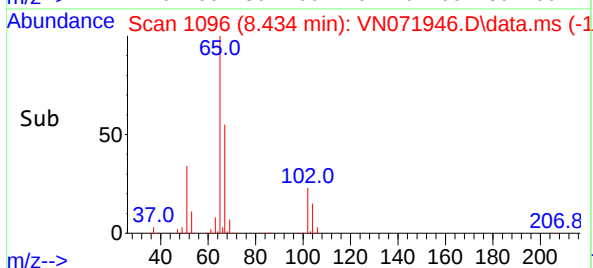
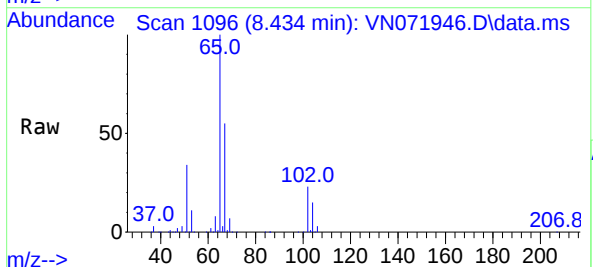


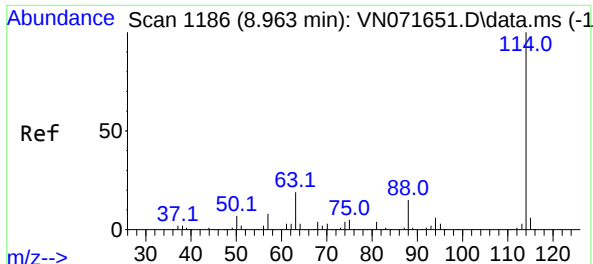
Tgt Ion: 56 Resp: 10453
Ion Ratio Lower Upper
56 100
69 202.6 27.8 41.8#
84 151.8 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.569 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

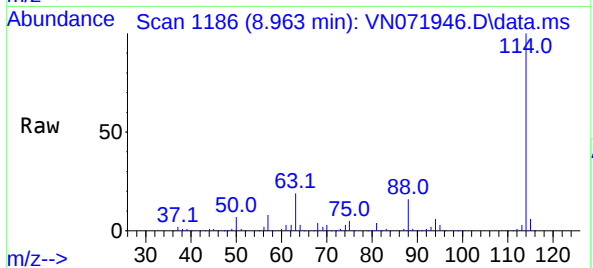
Tgt Ion: 65 Resp: 354754
Ion Ratio Lower Upper
65 100
67 53.6 0.0 104.8



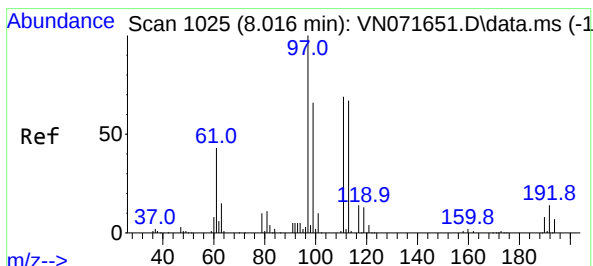
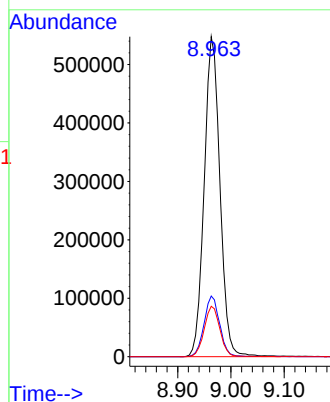
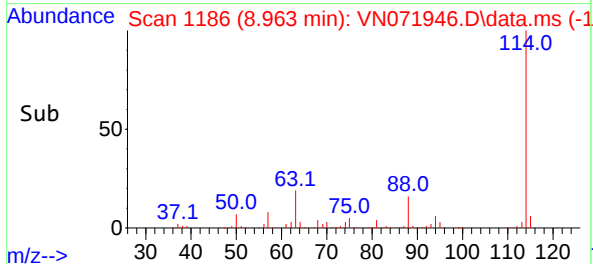


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Instrument :
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ClientSampleId :

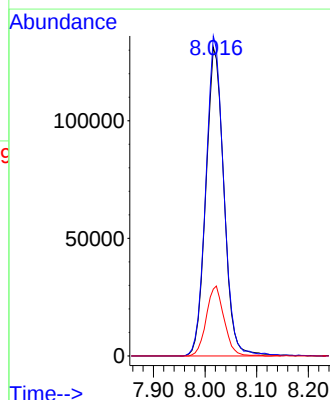
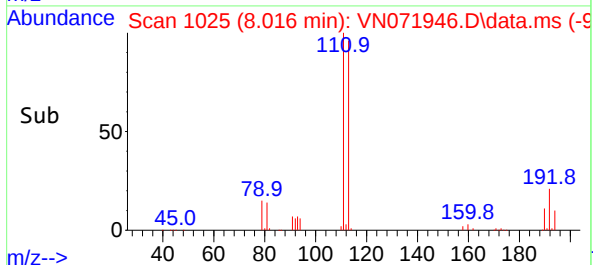
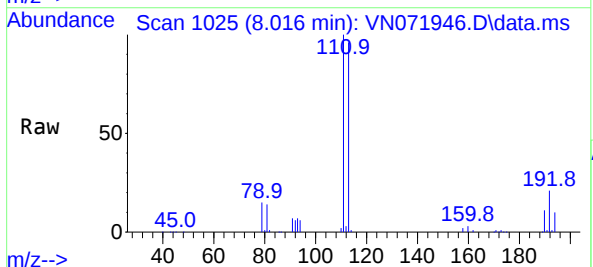


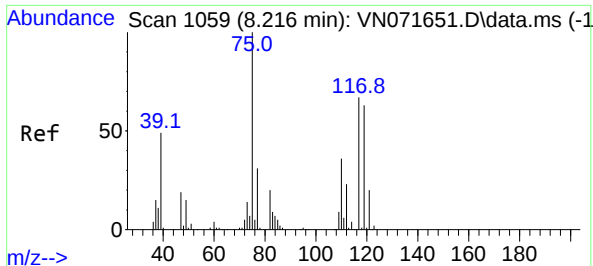
Tgt Ion:114 Resp: 1123769
Ion Ratio Lower Upper
114 100
63 19.0 0.0 40.0
88 15.8 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.060 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Tgt Ion:113 Resp: 317809
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.0
192 22.3 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.726 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.129 min

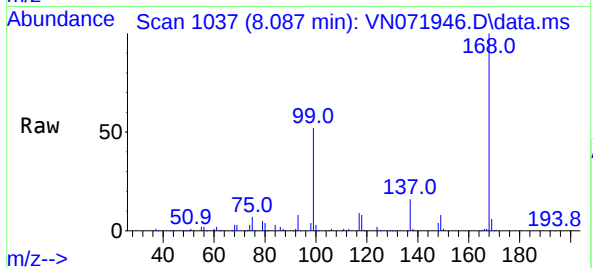
Lab File: VN071946.D

Acq: 11 Apr 2022 19:17

Instrument :

MSVOA_N

ClientSampleId :



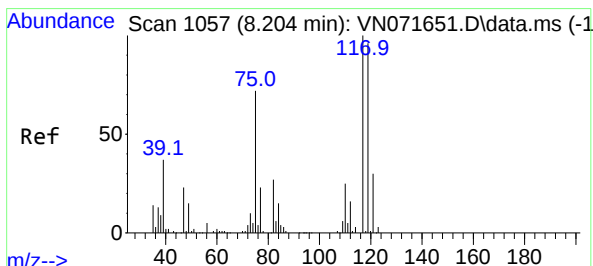
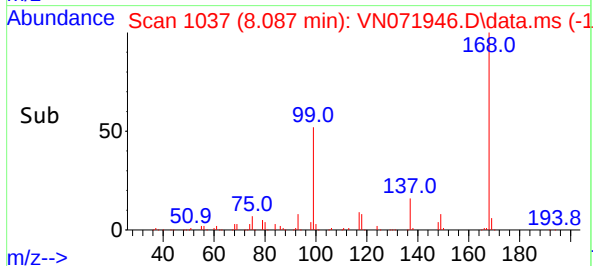
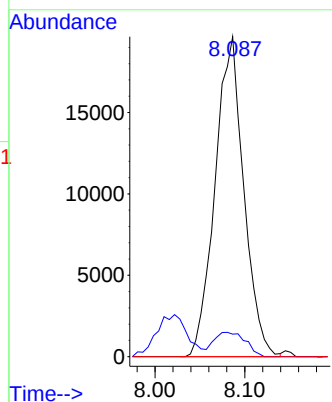
Tgt Ion: 75 Resp: 43643

Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.359 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN071946.D

Acq: 11 Apr 2022 19:17

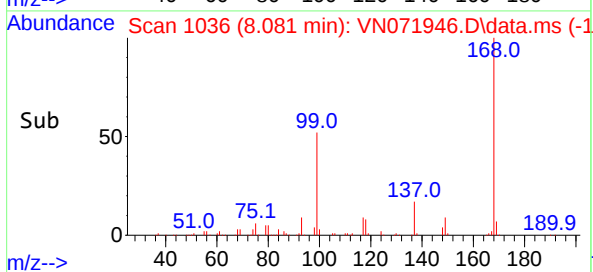
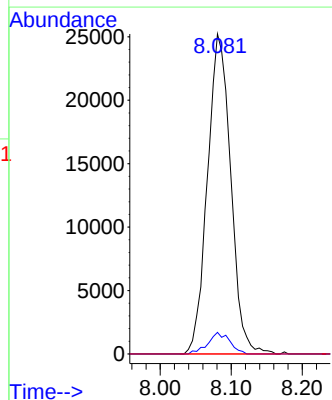
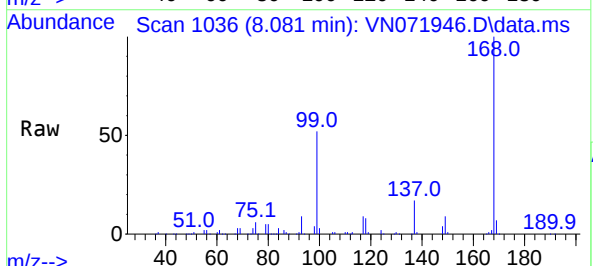
Tgt Ion: 117 Resp: 57546

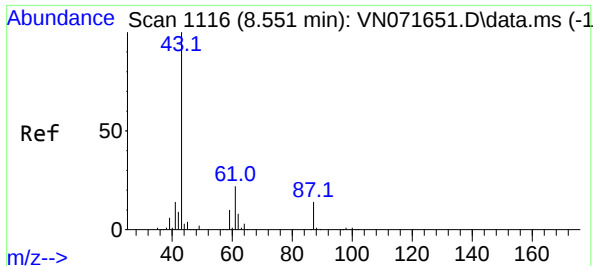
Ion Ratio Lower Upper

117 100

119 6.7 75.8 113.8#

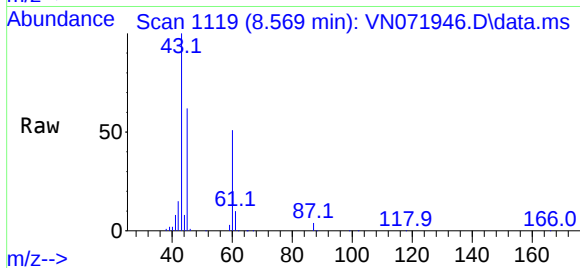
121 0.0 24.6 37.0#



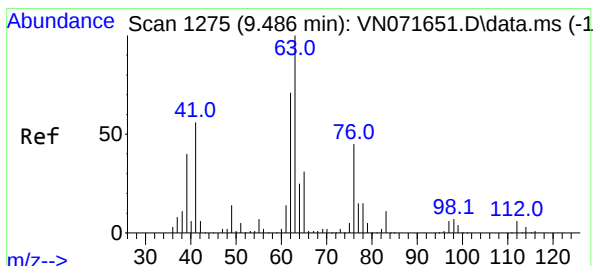
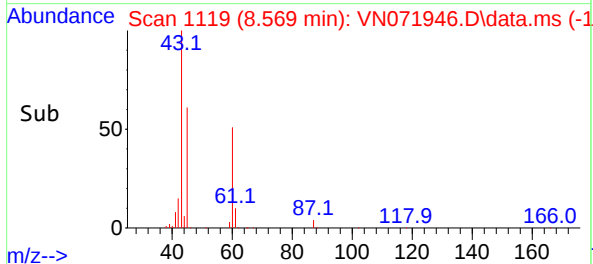
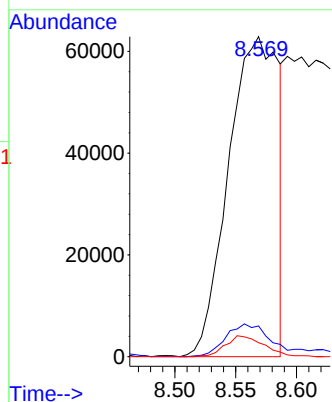


#43
Isopropyl Acetate
Concen: 10.702 ug/l
RT: 8.569 min Scan# 1116
Delta R.T. 0.018 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Instrument :
MSVOA_N
ClientSampleId :

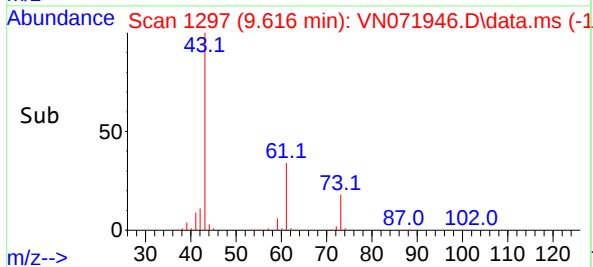
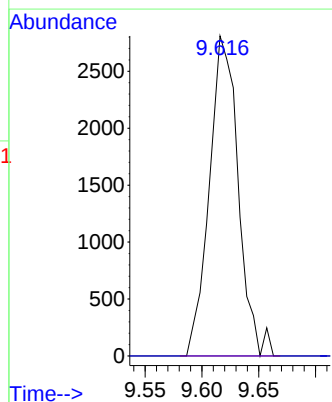
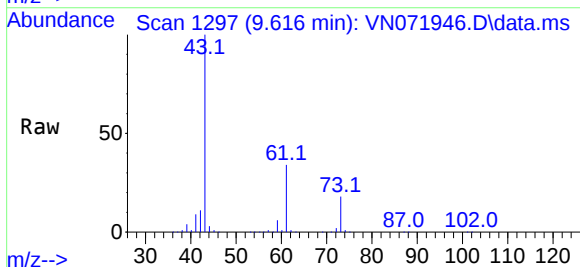


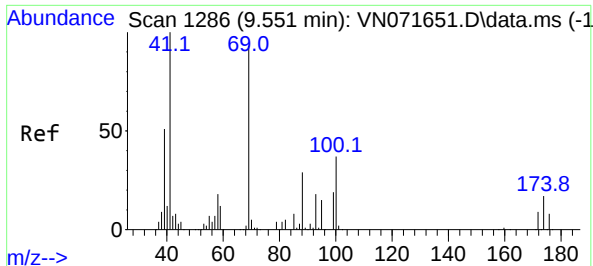
Tgt Ion: 43 Resp: 179921
Ion Ratio Lower Upper
43 100
61 11.0 21.9 32.9#
87 5.0 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.683 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Tgt Ion: 63 Resp: 4977
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.131 ug/l

RT: 9.539 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN071946.D

Acq: 11 Apr 2022 19:17

Instrument :

MSVOA_N

ClientSampleId :

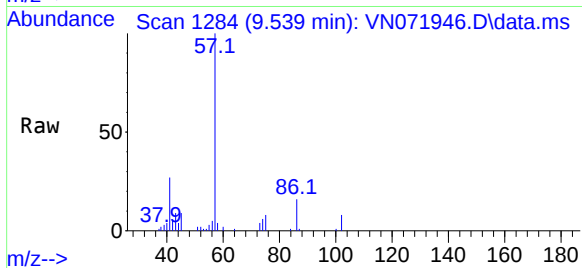
Tgt Ion: 41 Resp: 14865

Ion Ratio Lower Upper

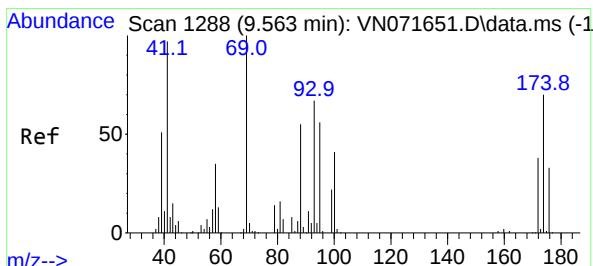
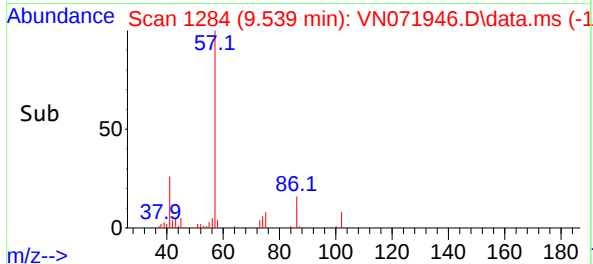
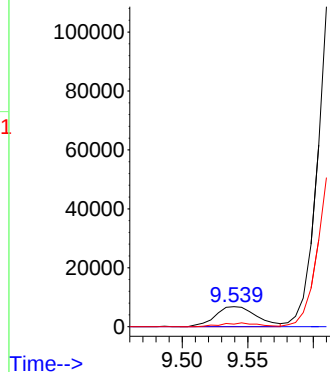
41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#



Abundance



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.592 min Scan# 1293

Delta R.T. 0.029 min

Lab File: VN071946.D

Acq: 11 Apr 2022 19:17

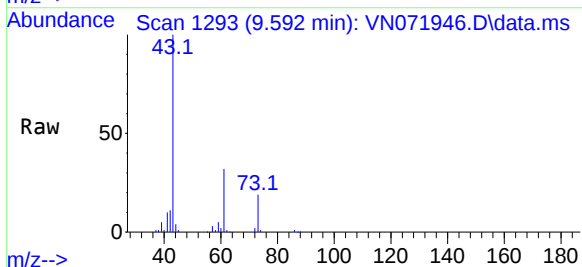
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

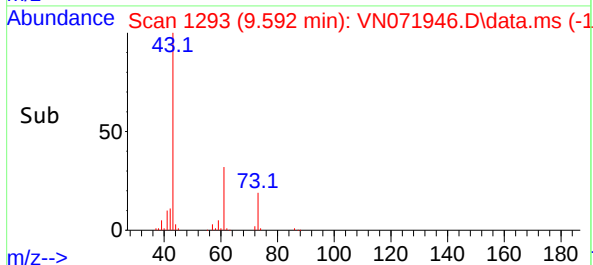
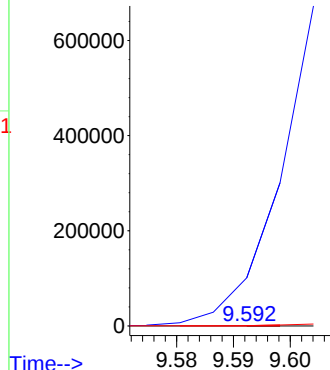
88 100

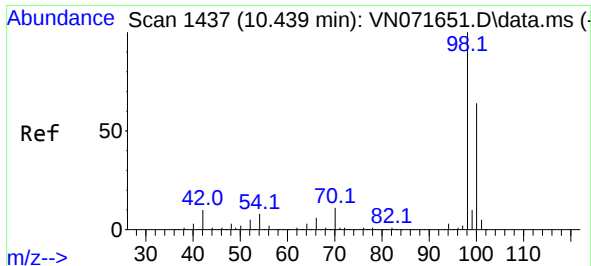
43 0.0 20.2 30.4#

58 0.0 54.2 81.4#



Abundance

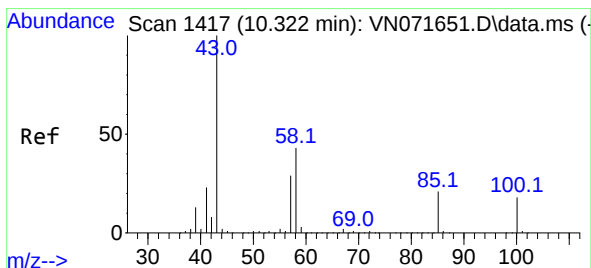
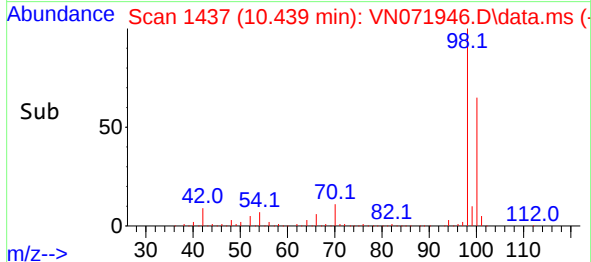
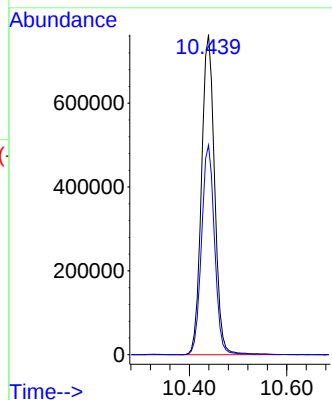
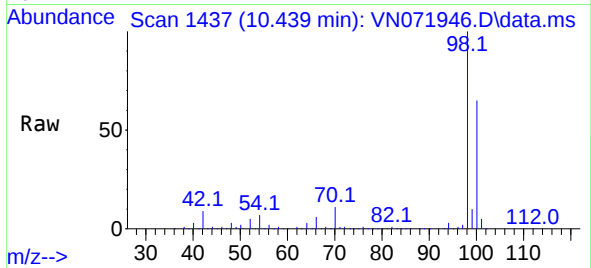




#50
Toluene-d8
Concen: 52.683 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

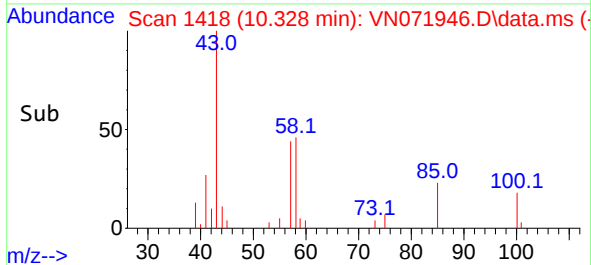
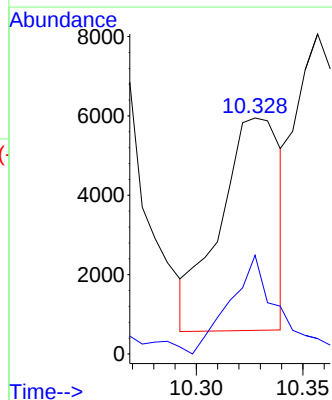
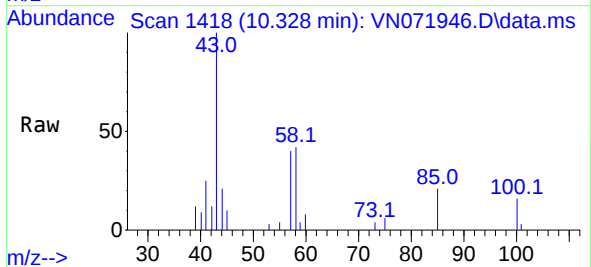
Instrument :
MSVOA_N
ClientSampleId :

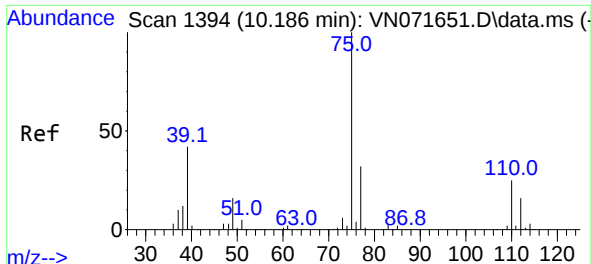
Tgt Ion: 98 Resp: 1425143
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.090 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Tgt Ion: 43 Resp: 10536
Ion Ratio Lower Upper
43 100
58 37.5 34.1 51.1

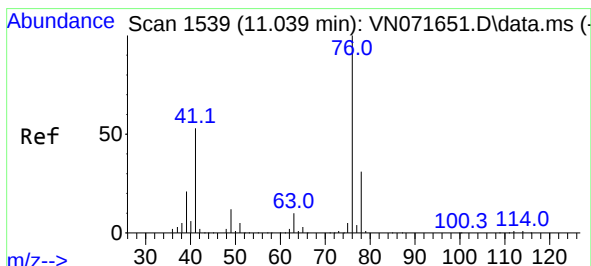
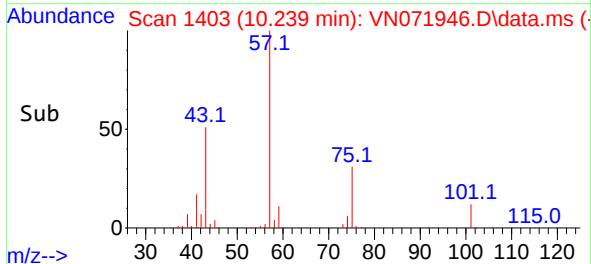
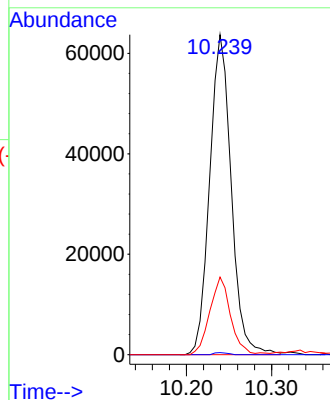
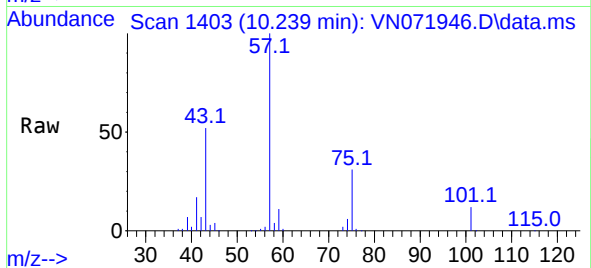




#54
cis-1,3-Dichloropropene
Concen: 9.916 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

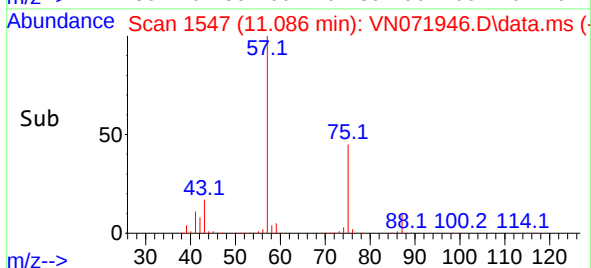
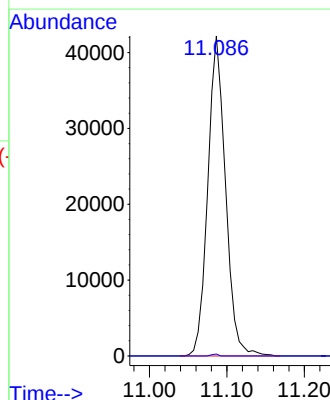
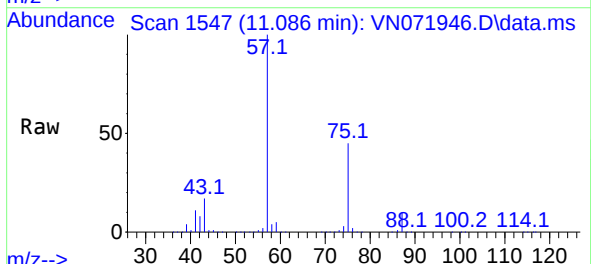
Instrument :
MSVOA_N
ClientSampleId :

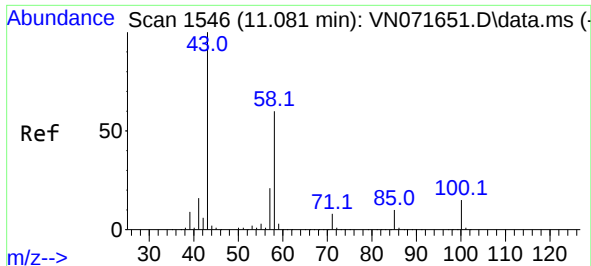
Tgt Ion: 75 Resp: 111844
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 24.3 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 5.273 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Tgt Ion: 76 Resp: 66903
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#

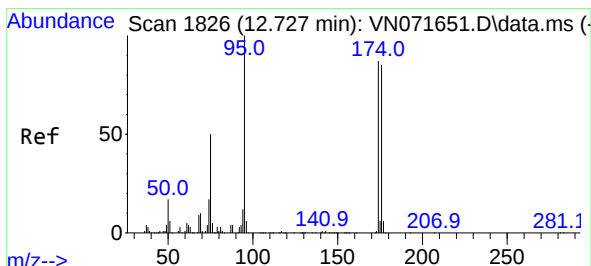
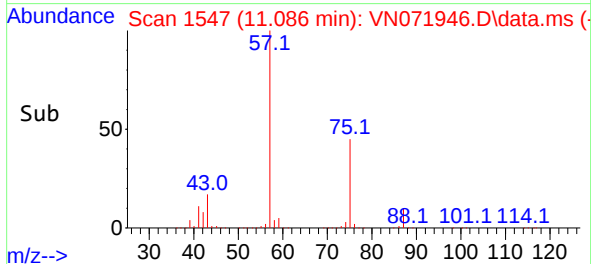
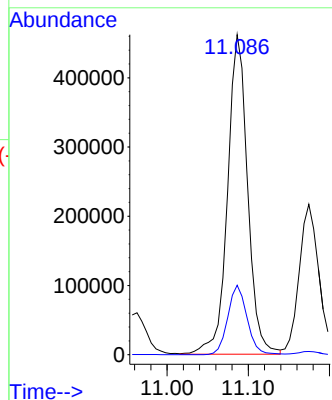
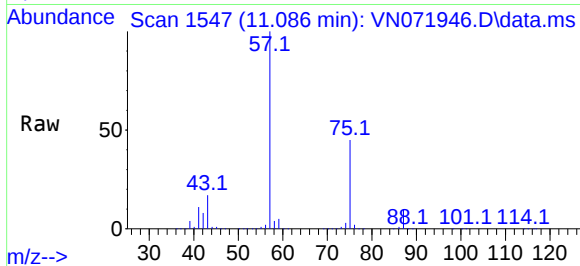




#59
2-Hexanone
Concen: 116.715 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

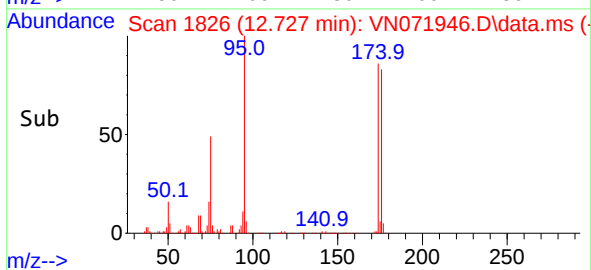
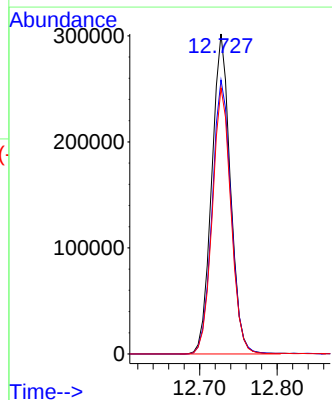
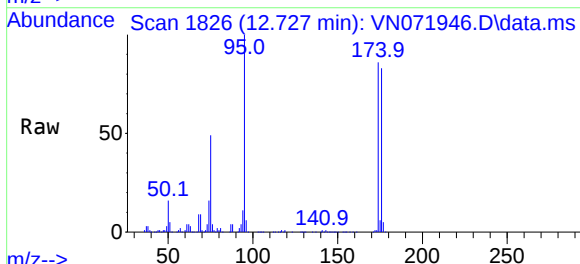
Instrument :
MSVOA_N
ClientSampleId :

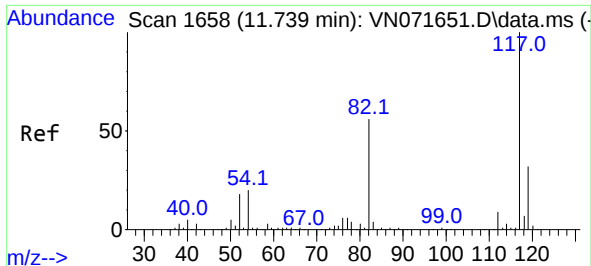
Tgt Ion: 43 Resp: 794274
Ion Ratio Lower Upper
43 100
58 20.8 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 57.574 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

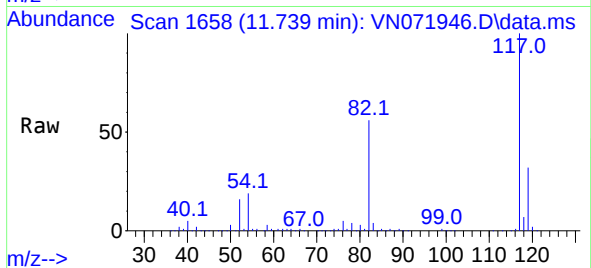
Tgt Ion: 95 Resp: 503705
Ion Ratio Lower Upper
95 100
174 87.2 0.0 167.6
176 83.0 0.0 163.4



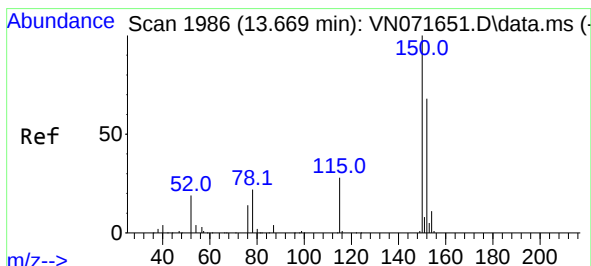
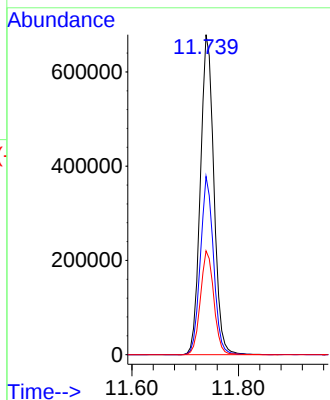
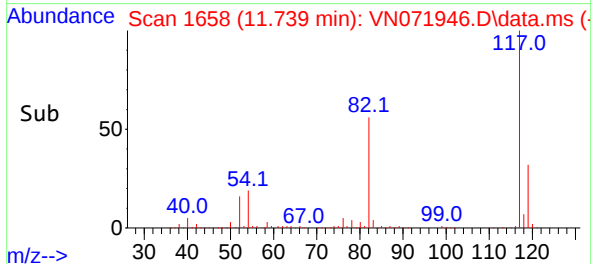


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Instrument :
MSVOA_N
ClientSampleId :

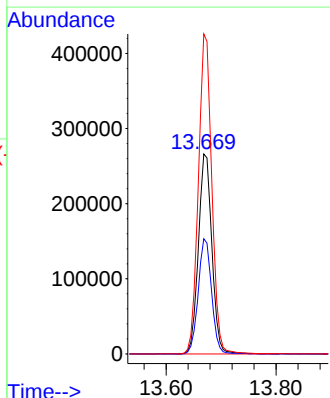
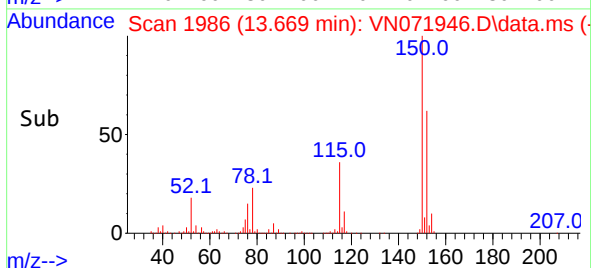
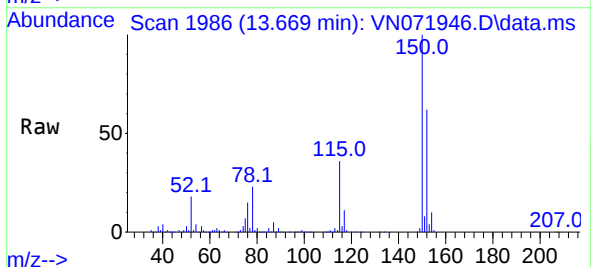


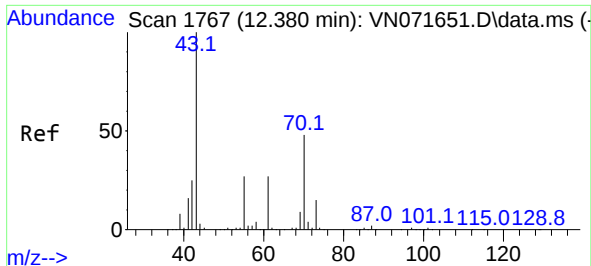
Tgt Ion:117 Resp: 1191272
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

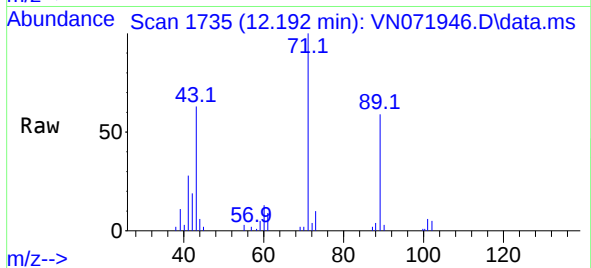
Tgt Ion:152 Resp: 455448
Ion Ratio Lower Upper
152 100
115 57.1 28.9 86.7
150 159.1 0.0 356.2



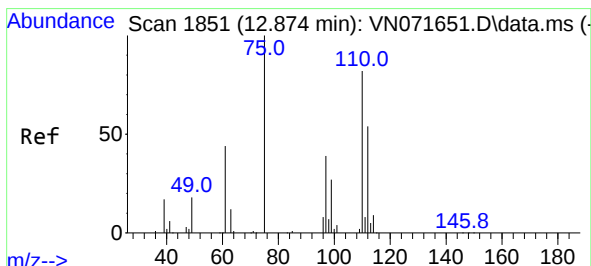
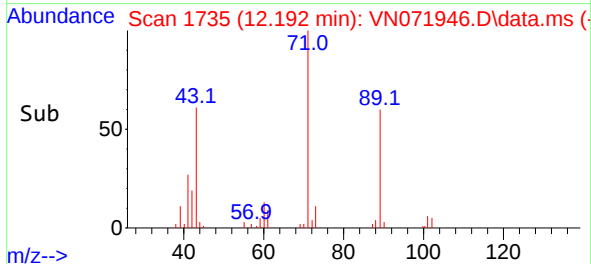
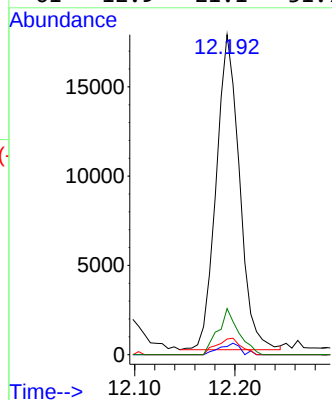


#74
N-amy1 acetate
Concen: 2.593 ug/l
RT: 12.192 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Instrument :
MSVOA_N
ClientSampleId :

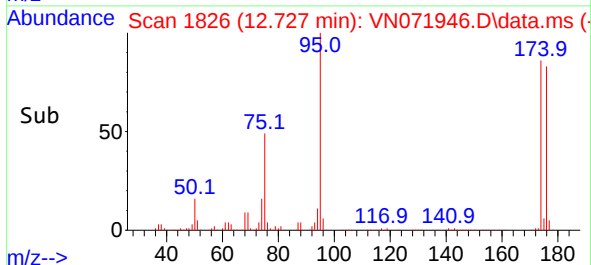
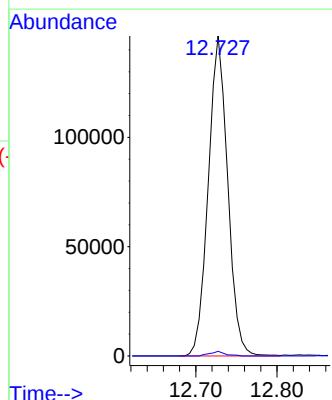
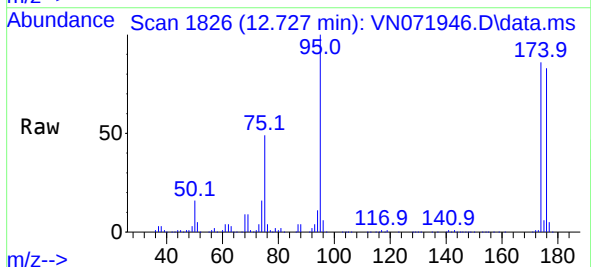


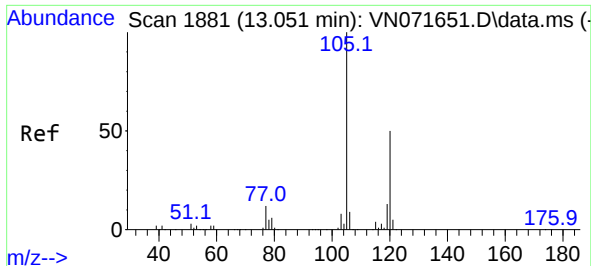
Tgt Ion: 43 Resp: 28514
Ion Ratio Lower Upper
43 100
70 3.3 39.0 58.4#
55 5.5 21.1 31.7#
61 12.9 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 23.038 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Tgt Ion: 75 Resp: 243070
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#

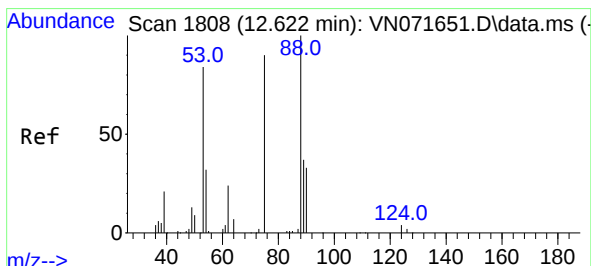
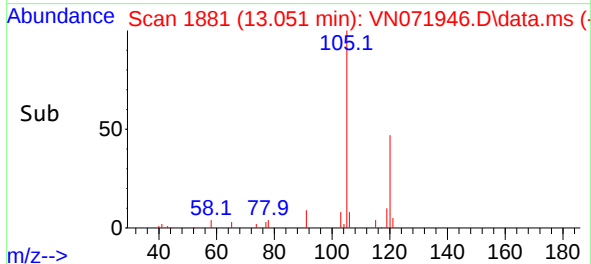
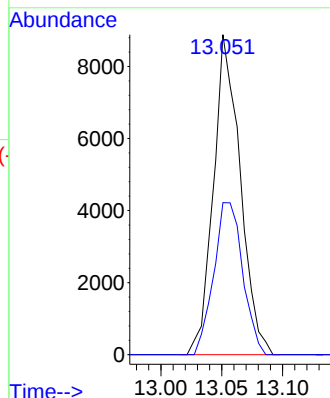
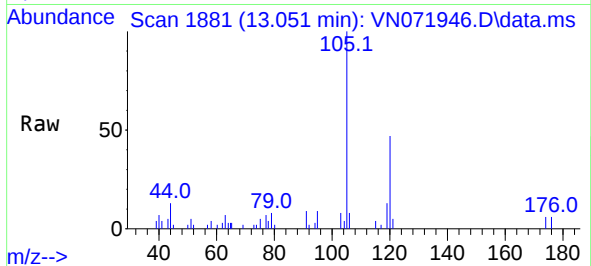




#80
1,3,5-Trimethylbenzene
Concen: 0.447 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.000 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

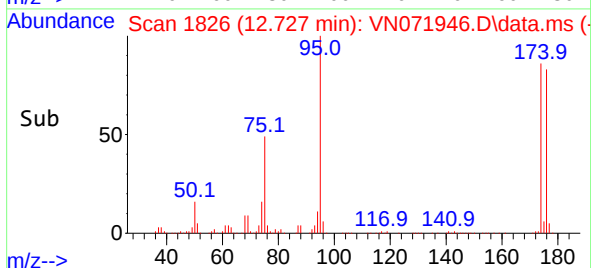
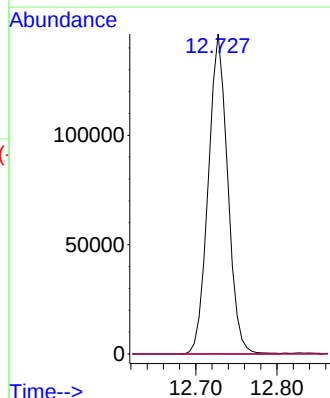
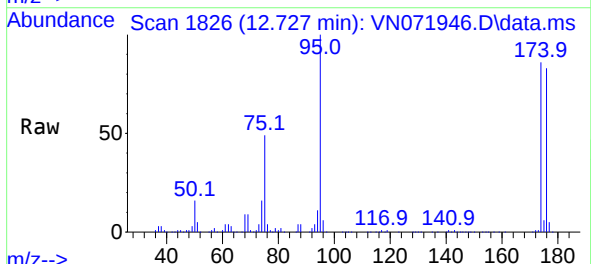
Instrument :
MSVOA_N
ClientSampleId :

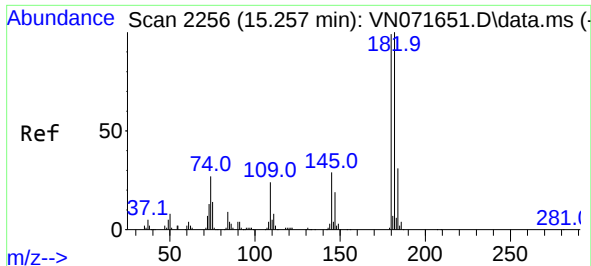
Tgt Ion:105 Resp: 13605
Ion Ratio Lower Upper
105 100
120 51.3 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 71.394 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

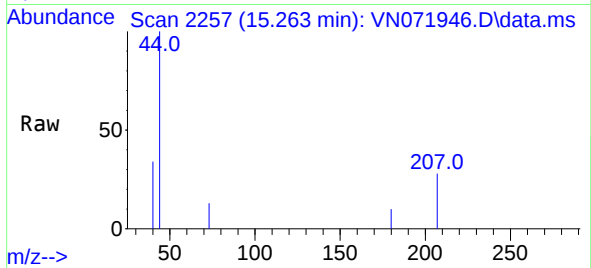
Tgt Ion: 75 Resp: 243070
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



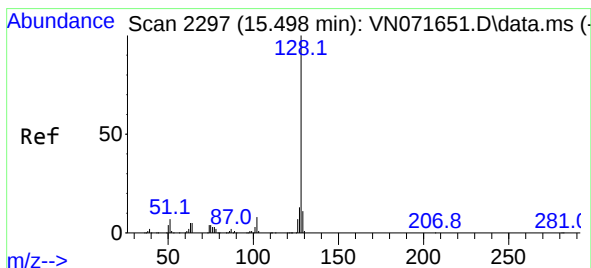
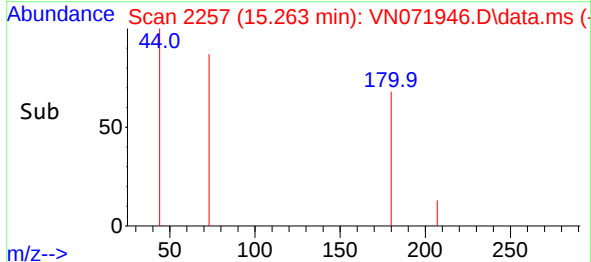
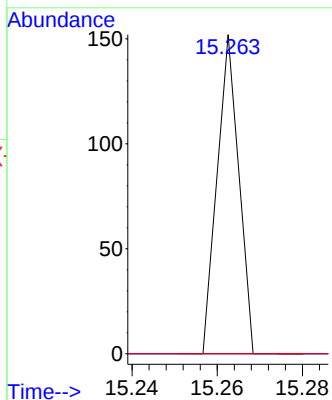


#93
1,2,4-Trichlorobenzene
Concen: 2.093 ug/l
RT: 15.263 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:180 Resp: 54
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.824 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071946.D
Acq: 11 Apr 2022 19:17

Tgt Ion:128 Resp: 465
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

