

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042222\
 Data File : VN072156.D
 Acq On : 22 Apr 2022 14:58
 Operator : JC\MD
 Sample : N2526-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 03:18:21 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)

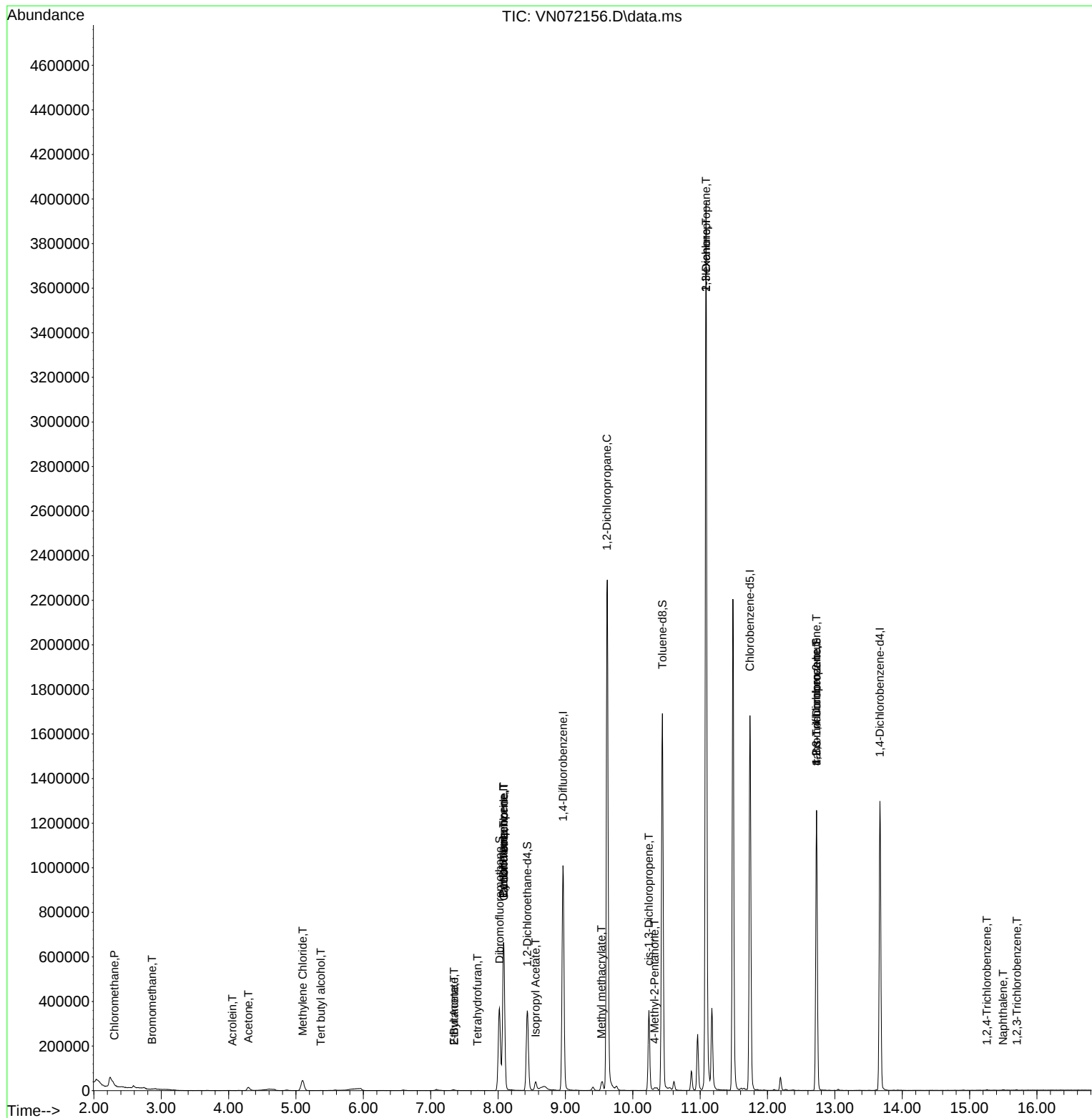
Internal Standards						
1) Pentafluorobenzene	8.081	168	567198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	952037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1075156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	390990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	296651	45.813	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.620%		
35) Dibromofluoromethane	8.022	113	273753	48.865	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.740%		
50) Toluene-d8	10.439	98	1240738	54.140	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.280%		
62) 4-Bromofluorobenzene	12.727	95	436814	58.935	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	117.860%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	1951	0.341	ug/l #	75
5) Bromomethane	2.863	94	1521	0.373	ug/l	100
11) Tert butyl alcohol	5.369	59	433	0.412	ug/l #	72
13) Acrolein	4.057	56	315	0.246	ug/l #	16
16) Acetone	4.293	43	23847	8.617	ug/l #	88
18) Methyl Acetate	4.869	43	4920	Below Cal		96
20) Methylene Chloride	5.098	84	41546	7.123	ug/l	93
25) 2-Butanone	7.345	43	7666	1.922	ug/l	90
29) Tetrahydrofuran	7.692	42	641	0.248	ug/l #	44
31) Cyclohexane	8.081	56	8507	0.966	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	35497	4.537	ug/l #	49
37) Ethyl Acetate	7.345	43	7666	0.895	ug/l #	67
38) Carbon Tetrachloride	8.087	117	48948	6.384	ug/l #	17
43) Isopropyl Acetate	8.557	43	42810	3.006	ug/l #	92
45) 1,2-Dichloropropane	9.616	63	3165	0.513	ug/l #	44
48) Methyl methacrylate	9.534	41	10161	1.720	ug/l #	10
49) 1,4-Dioxane	9.569	88	54	Below Cal	#	25
51) 4-Methyl-2-Pentanone	10.322	43	7514	0.918	ug/l	97
54) cis-1,3-Dichloropropene	10.239	75	74306	7.776	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	46062	4.285	ug/l #	42
59) 2-Hexanone	11.086	43	531809	92.244	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	206365	22.784	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	206365	70.606	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.257	180	1008	2.241	ug/l	93
95) Naphthalene	15.498	128	3494	3.984	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.704	180	1135	2.593	ug/l #	80

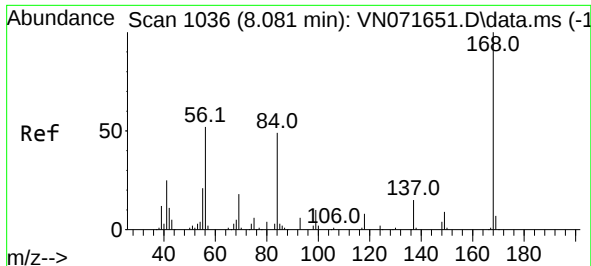
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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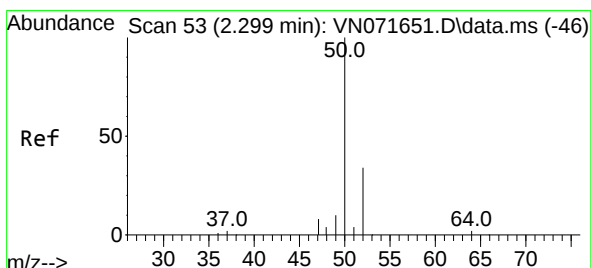
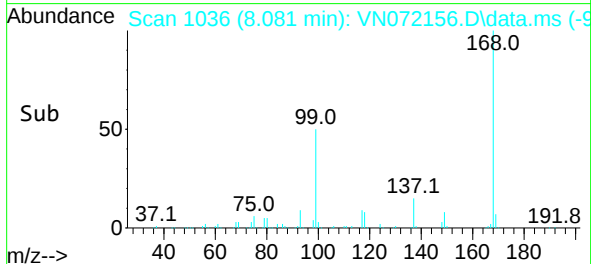
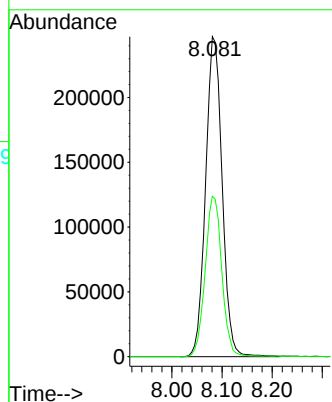
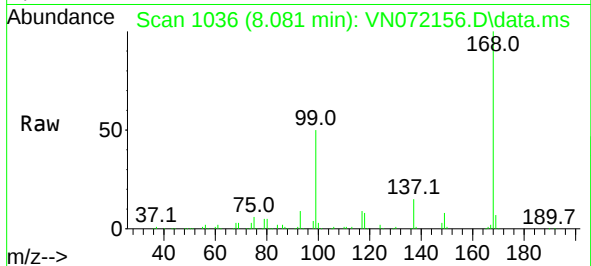




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

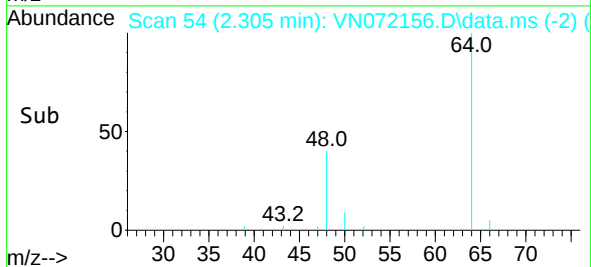
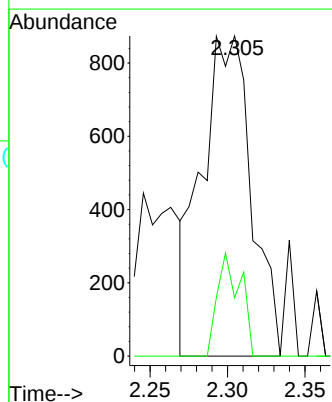
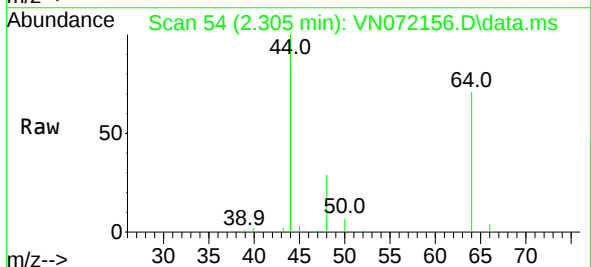
Instrument :
MSVOA_N
ClientSampleId :

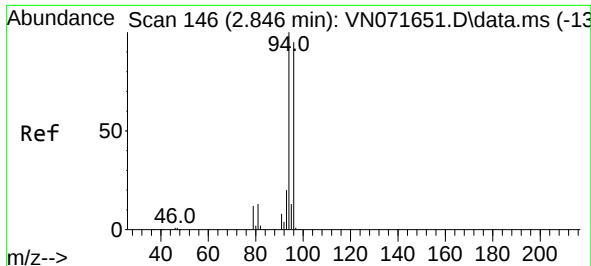
Tgt Ion:168 Resp: 567198
Ion Ratio Lower Upper
168 100
99 50.2 42.3 63.5



#3
Chloromethane
Concen: 0.341 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

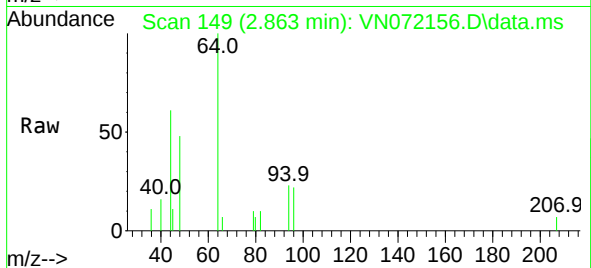
Tgt Ion: 50 Resp: 1951
Ion Ratio Lower Upper
50 100
52 18.2 25.7 38.5#



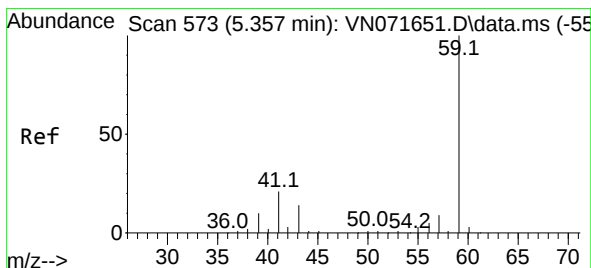
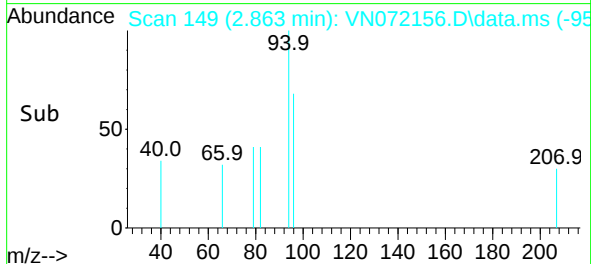
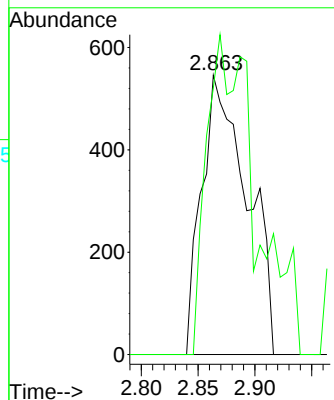


#5
Bromomethane
Concen: 0.373 ug/l
RT: 2.863 min Scan# 146
Delta R.T. 0.017 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

Instrument :
MSVOA_N
ClientSampleId :

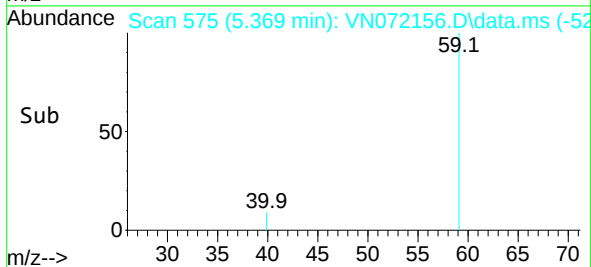
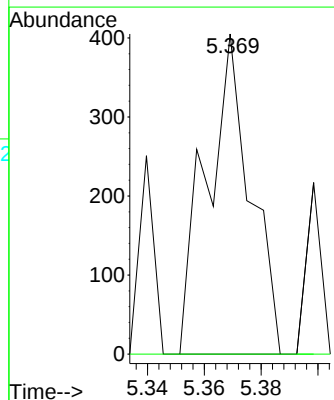
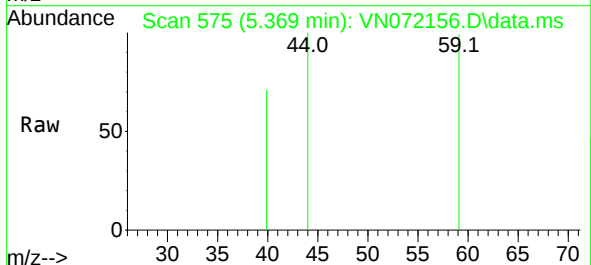


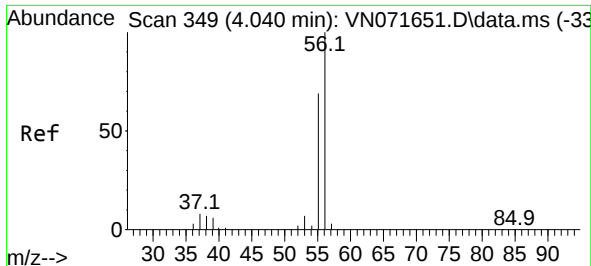
Tgt Ion: 94 Resp: 1521
Ion Ratio Lower Upper
94 100
96 95.4 76.0 114.0



#11
Tert butyl alcohol
Concen: 0.412 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.012 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

Tgt Ion: 59 Resp: 433
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.246 ug/l

RT: 4.057 min Scan# 315

Delta R.T. 0.017 min

Lab File: VN072156.D

Acq: 22 Apr 2022 14:58

Instrument :

MSVOA_N

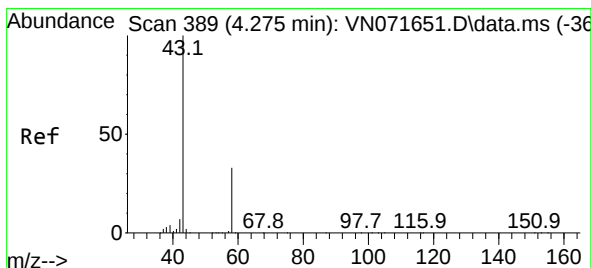
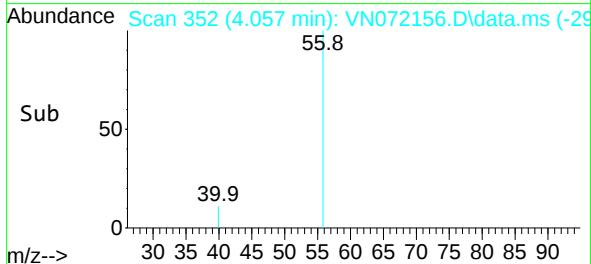
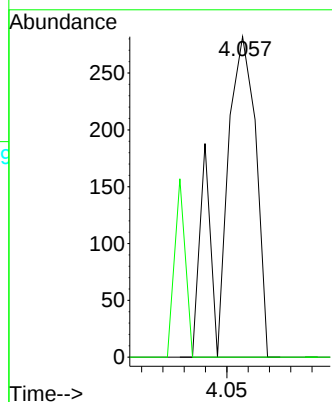
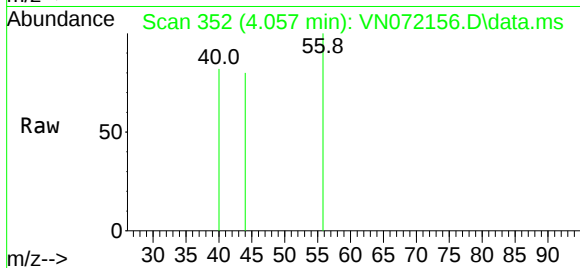
ClientSampleId :

Tgt Ion: 56 Resp: 315

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#



#16

Acetone

Concen: 8.617 ug/l

RT: 4.293 min Scan# 392

Delta R.T. 0.018 min

Lab File: VN072156.D

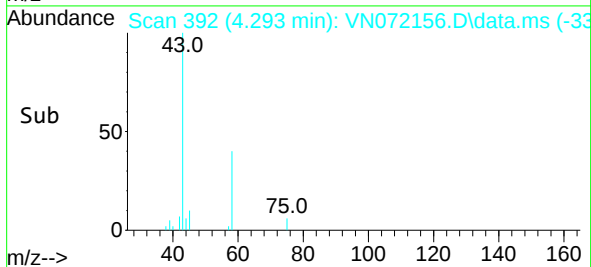
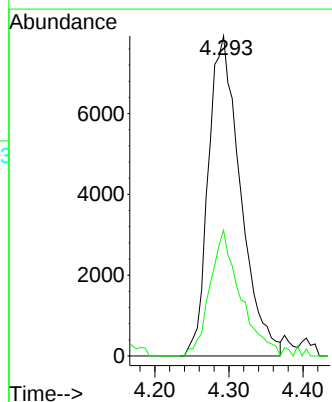
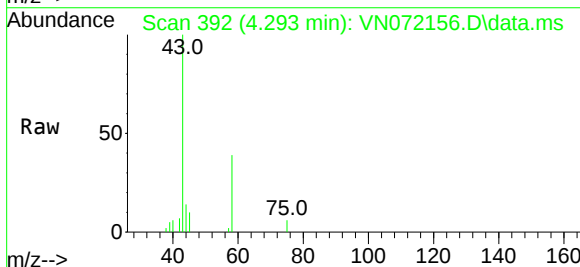
Acq: 22 Apr 2022 14:58

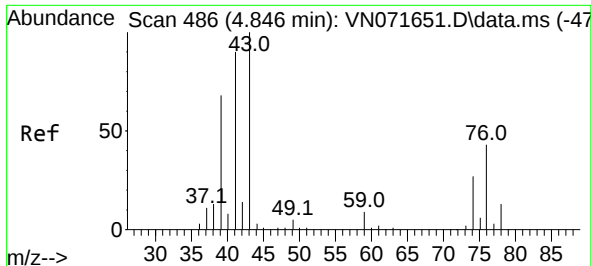
Tgt Ion: 43 Resp: 23847

Ion Ratio Lower Upper

43 100

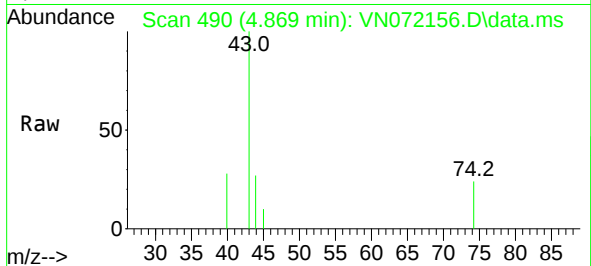
58 39.3 26.0 39.0#



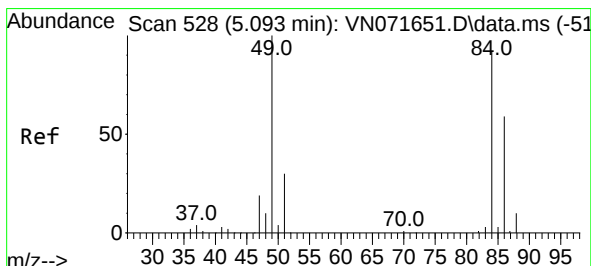
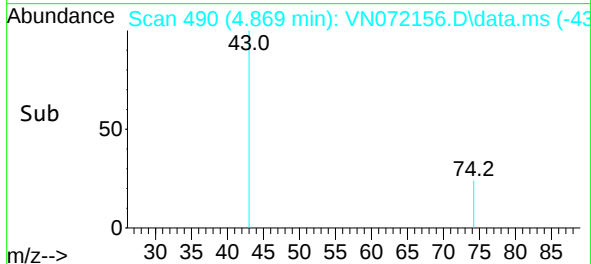
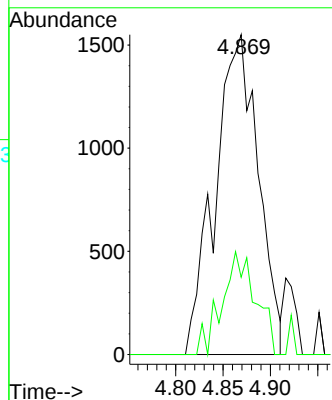


#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 49
Delta R.T. 0.023 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

Instrument :
MSVOA_N
ClientSampleId :

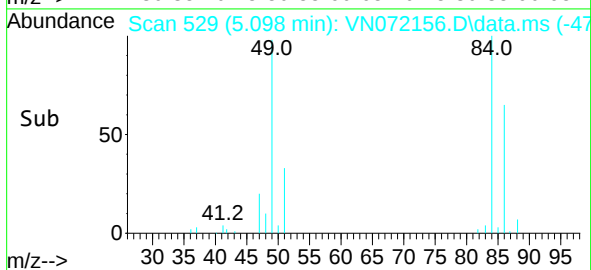
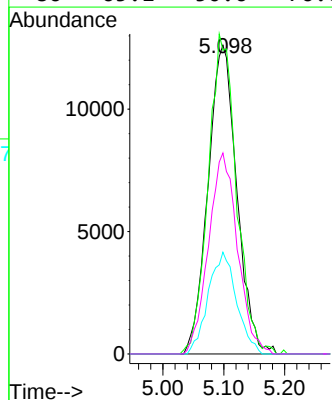
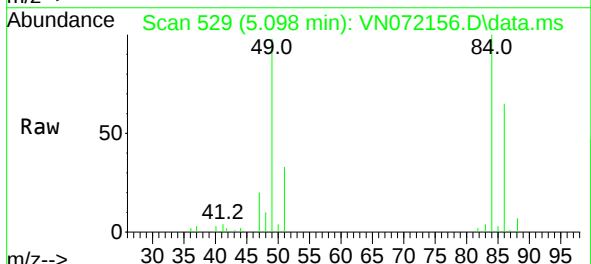


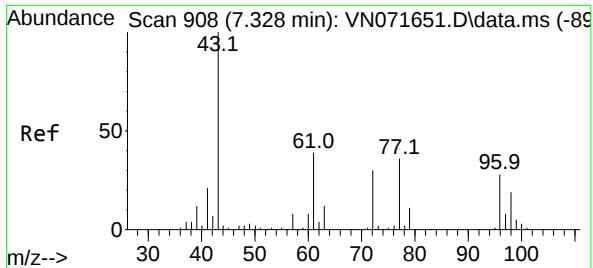
Tgt Ion: 43 Resp: 4920
Ion Ratio Lower Upper
43 100
74 25.1 21.6 32.4



#20
Methylene Chloride
Concen: 7.123 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

Tgt Ion: 84 Resp: 41546
Ion Ratio Lower Upper
84 100
49 98.3 88.3 132.5
51 33.0 28.2 42.2
86 65.1 50.6 76.0





#25

2-Butanone

Concen: 1.922 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

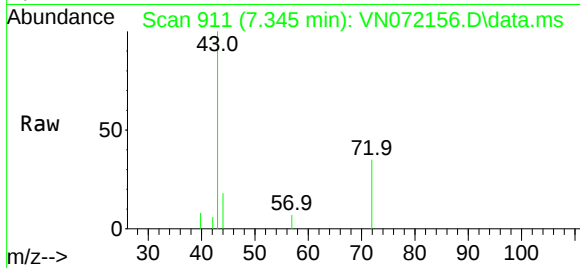
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Acq: 22 Apr 2022 14:58

Instrument :

MSVOA_N

ClientSampleId :

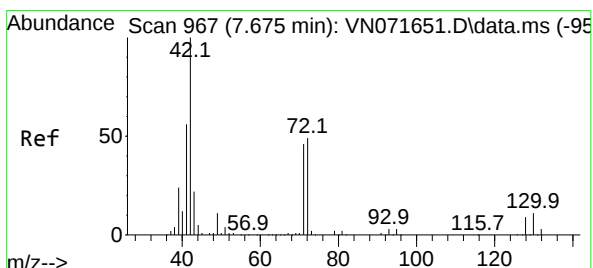
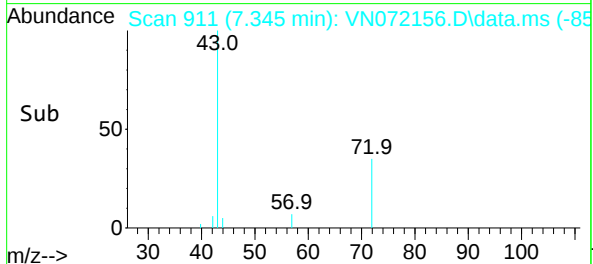
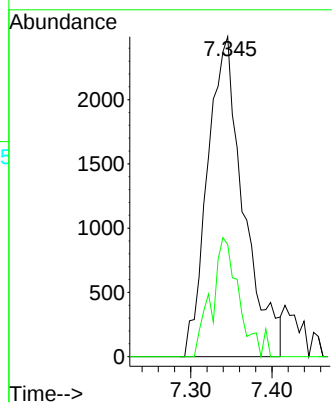


Tgt Ion: 43 Resp: 7666

Ion Ratio Lower Upper

43 100

72 35.0 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.248 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.017 min

Lab File: VN072156.D

Acq: 22 Apr 2022 14:58

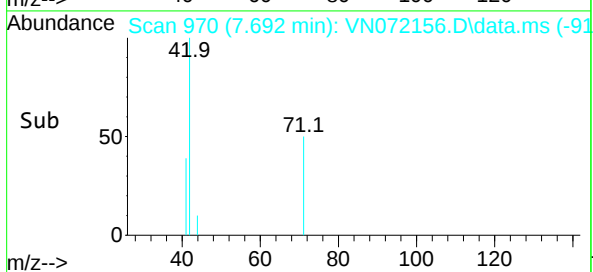
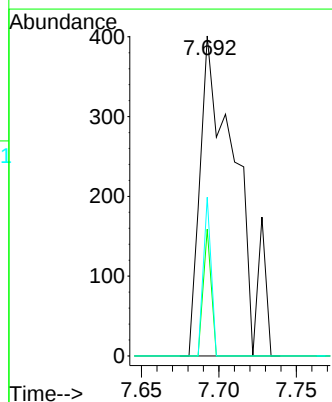
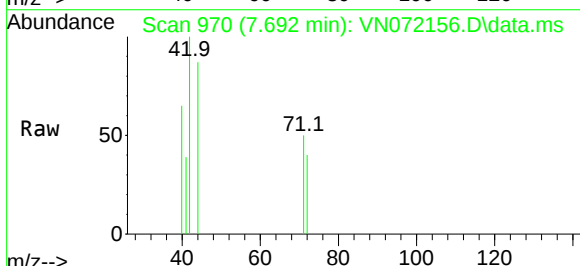
Tgt Ion: 42 Resp: 641

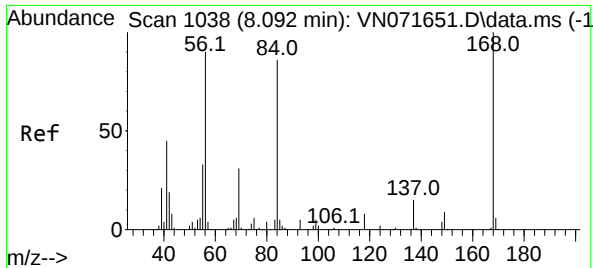
Ion Ratio Lower Upper

42 100

72 8.7 39.7 59.5#

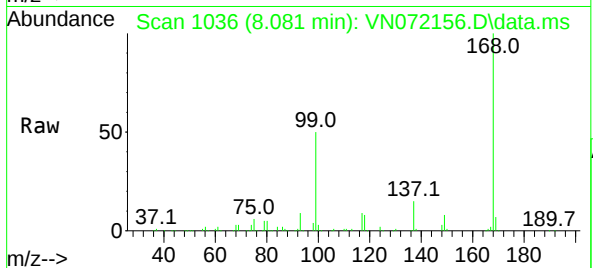
71 10.9 36.6 55.0#



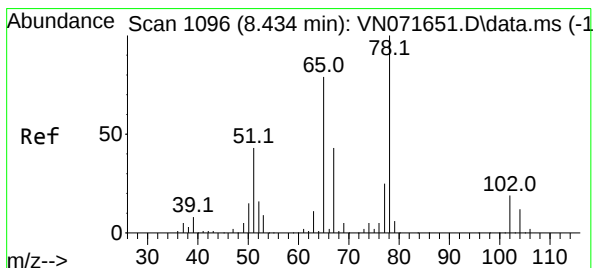
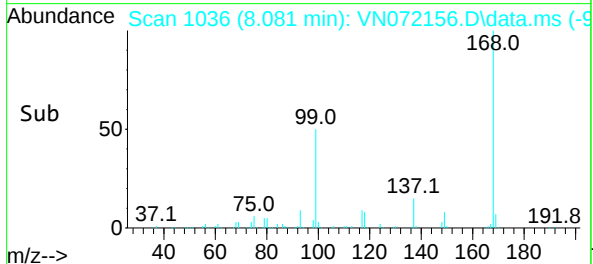
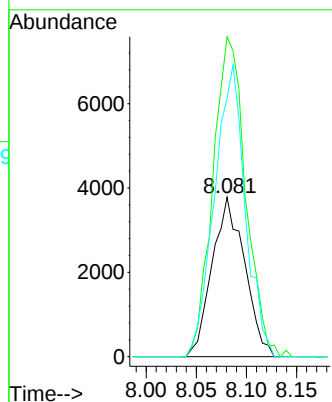


#31
Cyclohexane
Concen: 0.966 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

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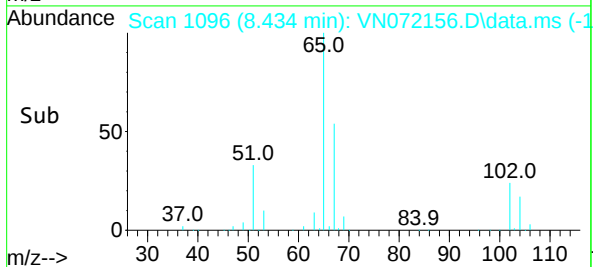
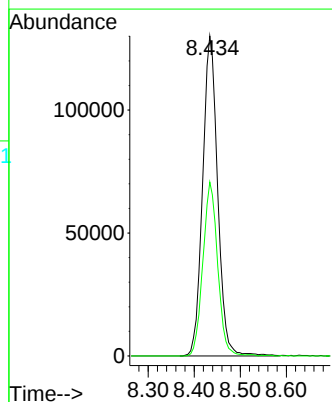
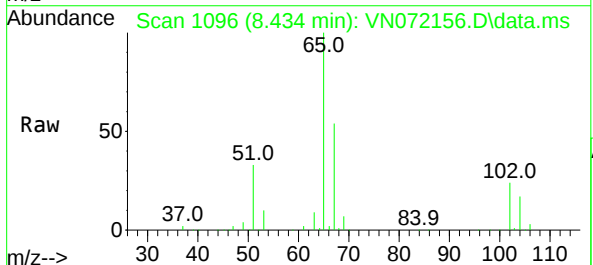


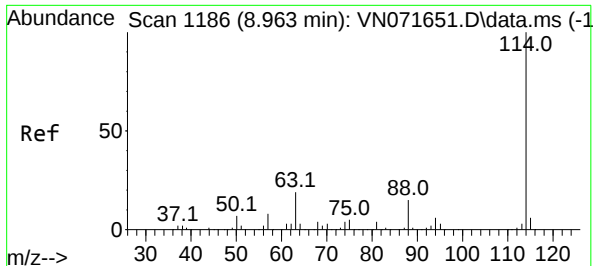
Tgt Ion: 56 Resp: 8507
Ion Ratio Lower Upper
56 100
69 200.9 27.8 41.8#
84 162.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 45.813 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

Tgt Ion: 65 Resp: 296651
Ion Ratio Lower Upper
65 100
67 53.1 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: VN072156.D

Acq: 22 Apr 2022 14:58

Instrument :

MSVOA_N

ClientSampleId :

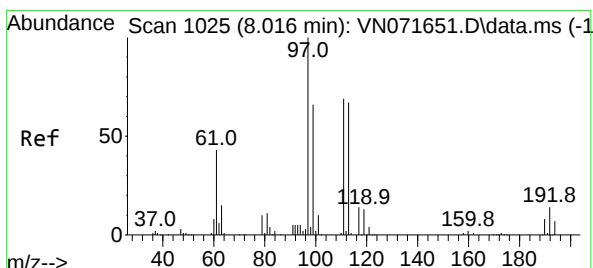
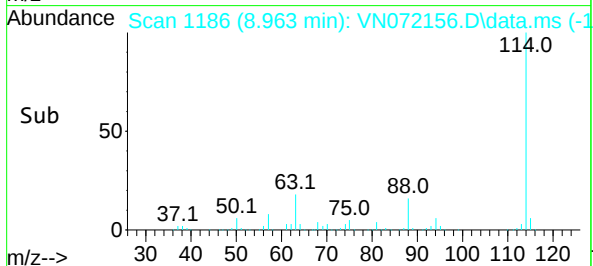
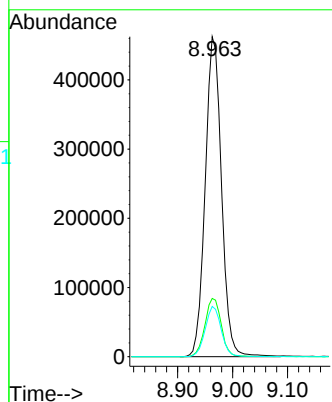
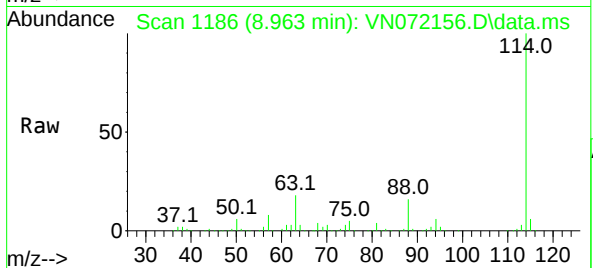
Tgt Ion:114 Resp: 952037

Ion Ratio Lower Upper

114 100

63 18.2 0.0 40.0

88 15.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.865 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072156.D

Acq: 22 Apr 2022 14:58

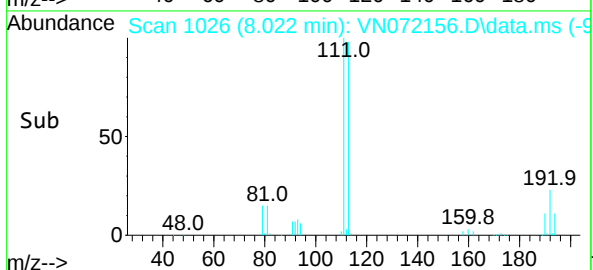
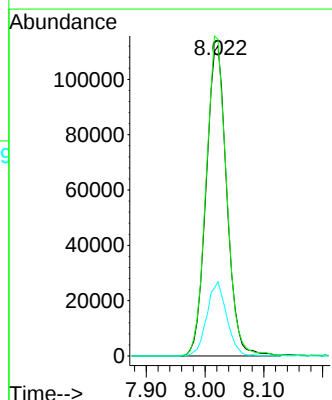
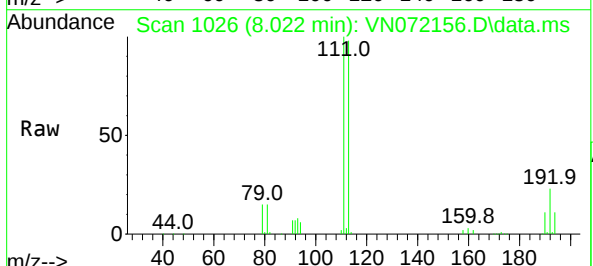
Tgt Ion:113 Resp: 273753

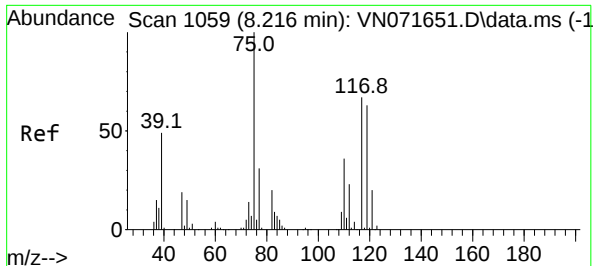
Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 23.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.537 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

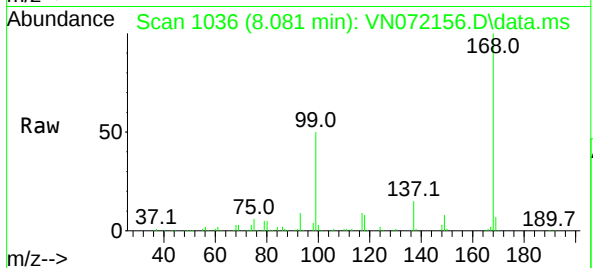
Lab File: VN072156.D

Acq: 22 Apr 2022 14:58

Instrument :

MSVOA_N

ClientSampleId :



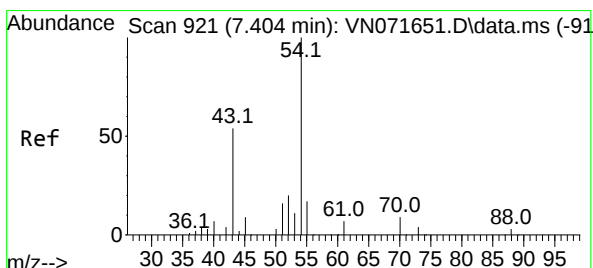
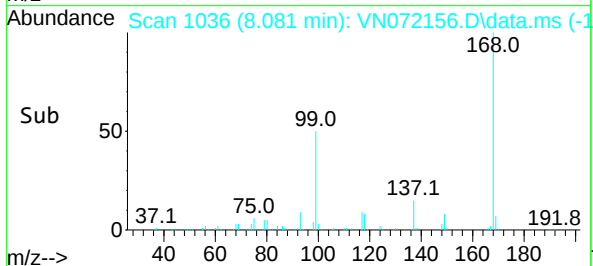
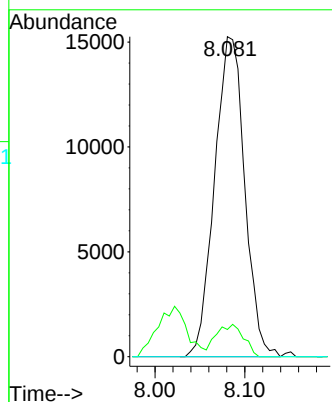
Tgt Ion: 75 Resp: 35497

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.895 ug/l

RT: 7.345 min Scan# 911

Delta R.T. -0.059 min

Lab File: VN072156.D

Acq: 22 Apr 2022 14:58

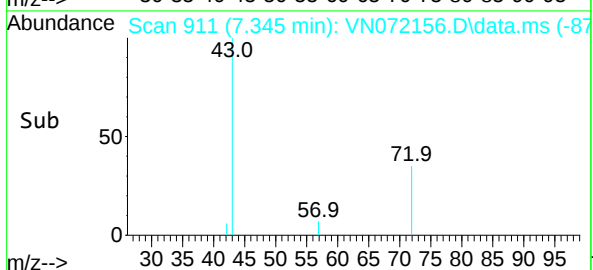
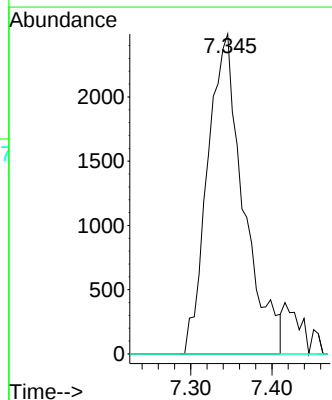
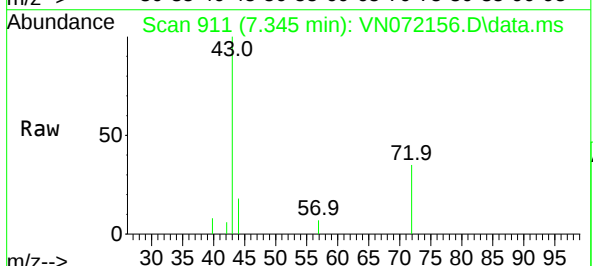
Tgt Ion: 43 Resp: 7666

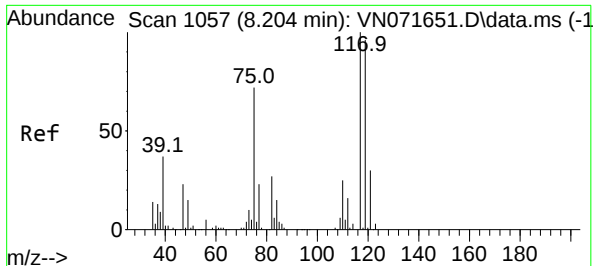
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

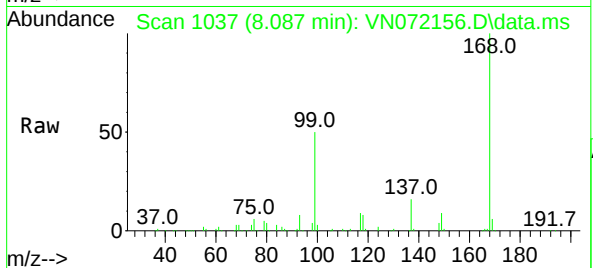
70 0.0 9.3 13.9#



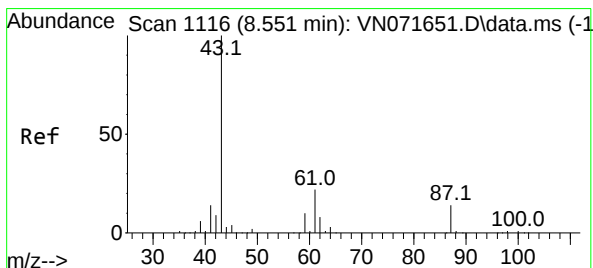
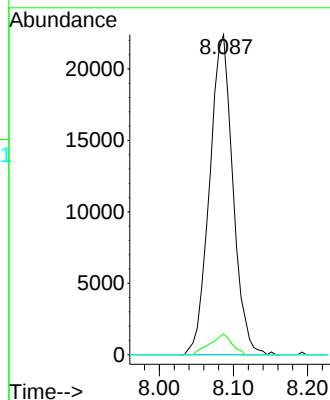
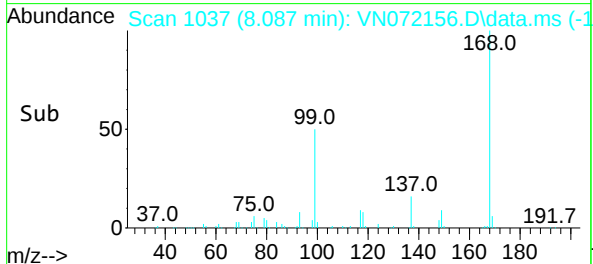


#38
Carbon Tetrachloride
Concen: 6.384 ug/l
RT: 8.087 min Scan# 1117
Delta R.T. -0.117 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

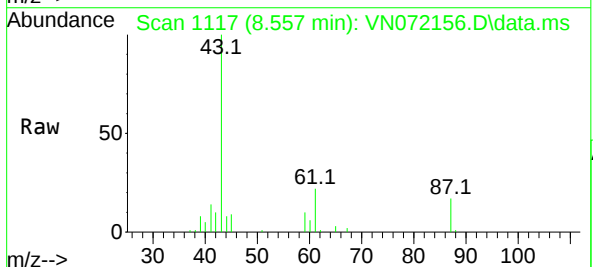
Instrument :
MSVOA_N
ClientSampleId :



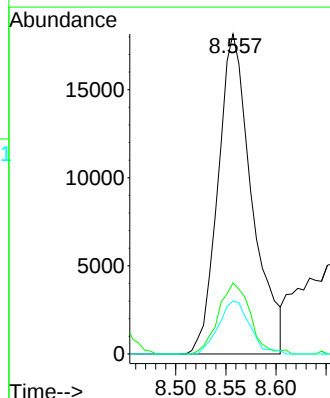
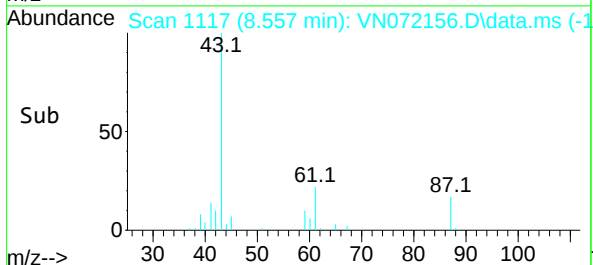
Tgt Ion: 117 Resp: 48948
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.8#
121 0.0 24.6 37.0#

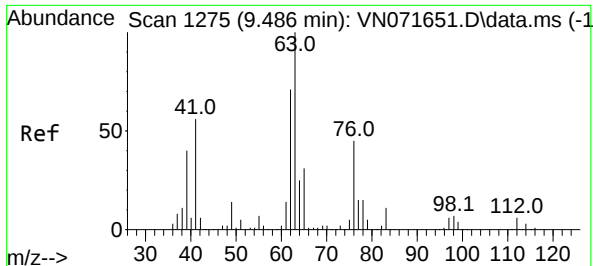


#43
Isopropyl Acetate
Concen: 3.006 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58



Tgt Ion: 43 Resp: 42810
Ion Ratio Lower Upper
43 100
61 20.8 21.9 32.9#
87 15.2 12.0 18.0





#45

1,2-Dichloropropane

Concen: 0.513 ug/l

RT: 9.616 min Scan# 1297

Delta R.T. 0.130 min

Lab File: VN072156.D

Acq: 22 Apr 2022 14:58

Instrument :

MSVOA_N

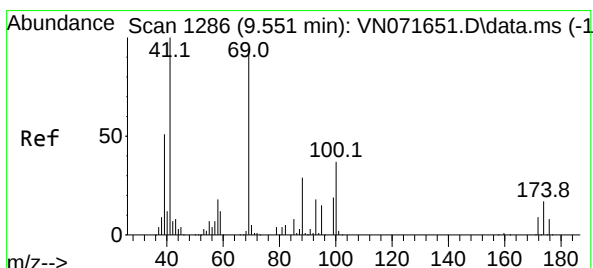
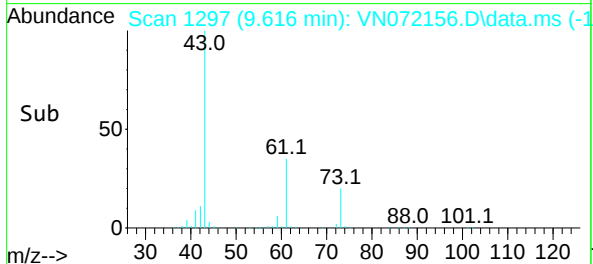
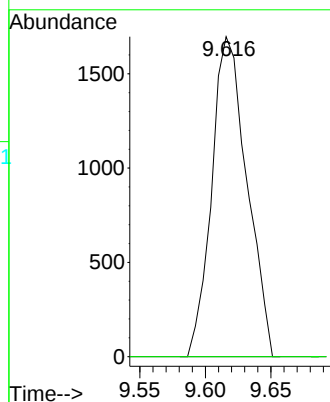
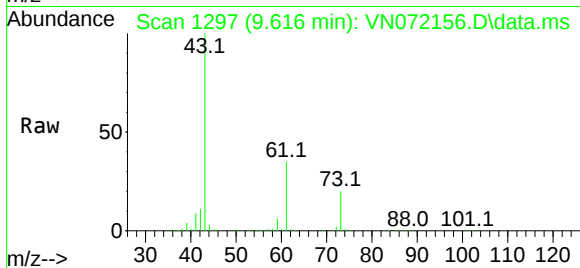
ClientSampleId :

Tgt Ion: 63 Resp: 3165

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.720 ug/l

RT: 9.534 min Scan# 1283

Delta R.T. -0.018 min

Lab File: VN072156.D

Acq: 22 Apr 2022 14:58

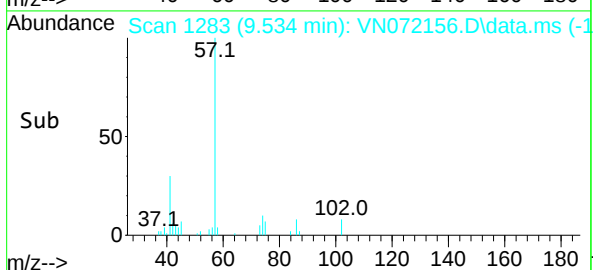
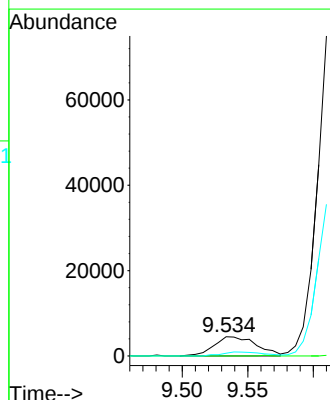
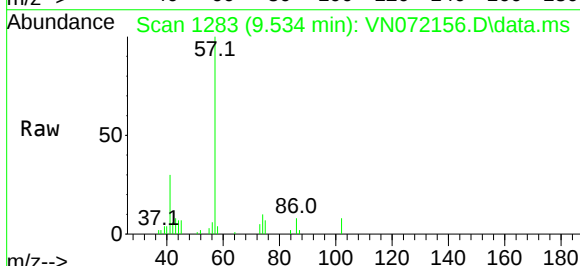
Tgt Ion: 41 Resp: 10161

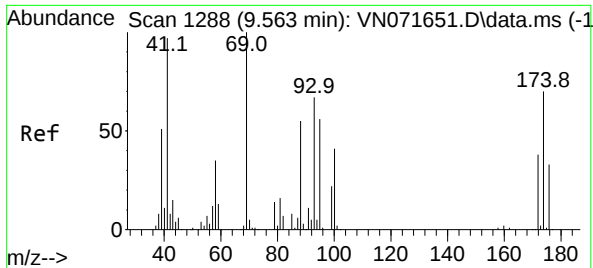
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#

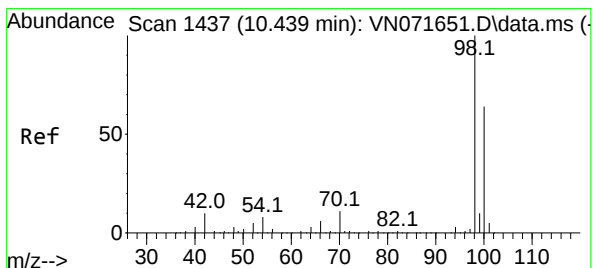
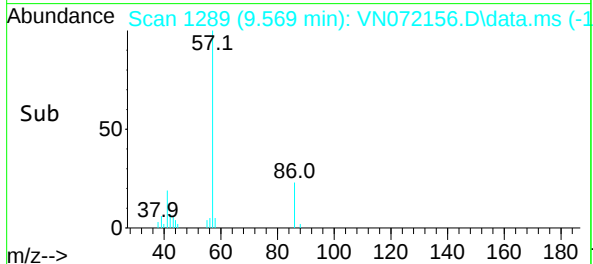
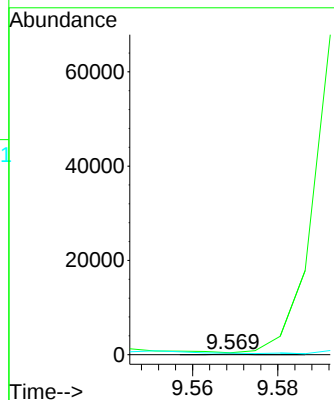
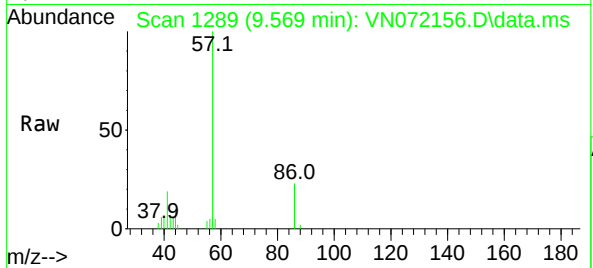




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.569 min Scan# 1289
Delta R.T. 0.006 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

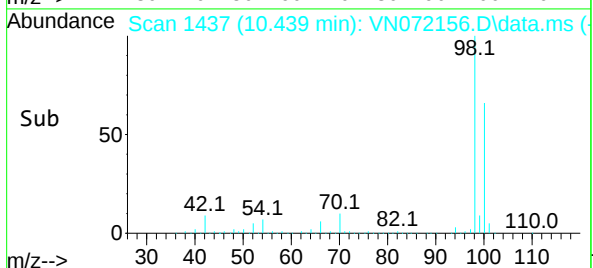
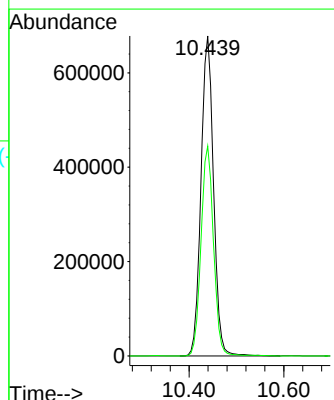
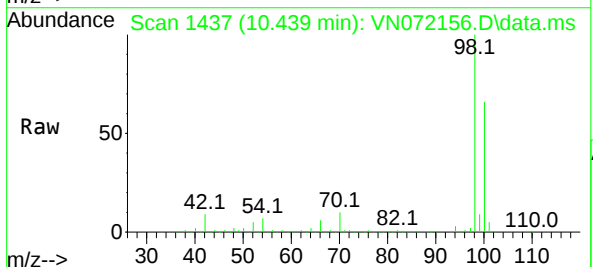
Instrument :
MSVOA_N
ClientSampleId :

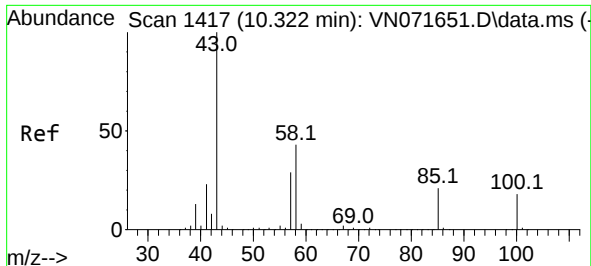
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#



#50
Toluene-d8
Concen: 54.140 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

Tgt Ion: 98 Resp: 1240738
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8

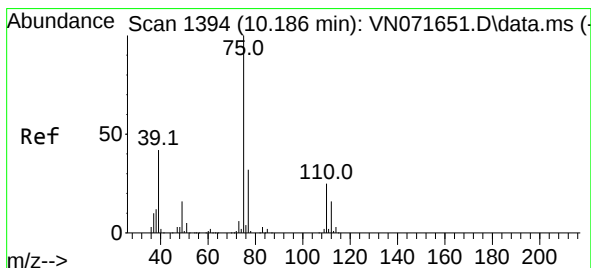
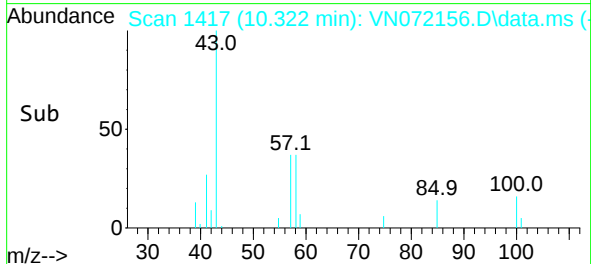
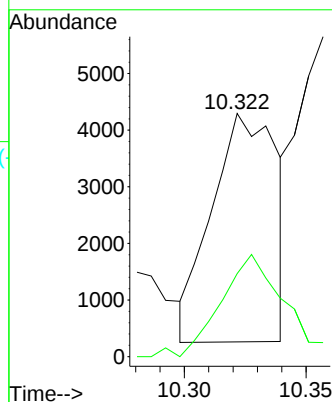
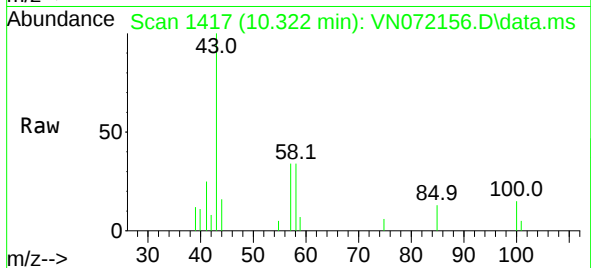




#51
4-Methyl-2-Pentanone
Concen: 0.918 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

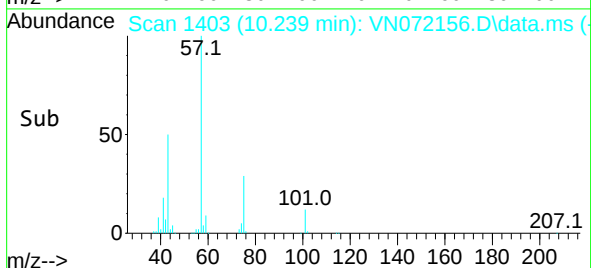
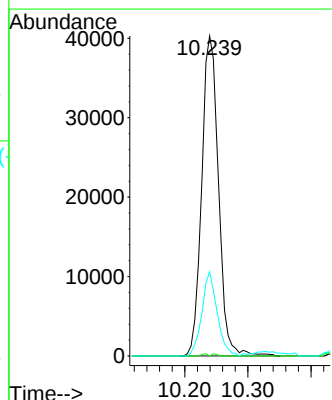
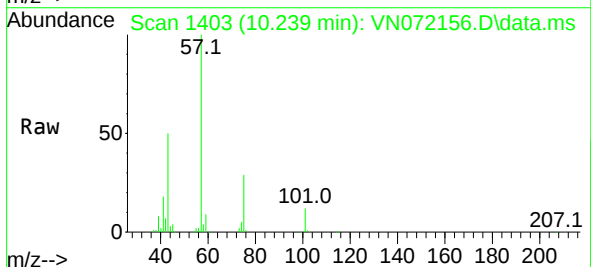
Instrument :
MSVOA_N
ClientSampleId :

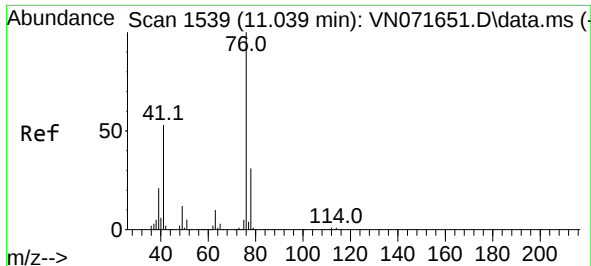
Tgt Ion: 43 Resp: 7514
Ion Ratio Lower Upper
43 100
58 44.6 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 7.776 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

Tgt Ion: 75 Resp: 74306
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 26.3 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.285 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072156.D

Acq: 22 Apr 2022 14:58

Instrument :

MSVOA_N

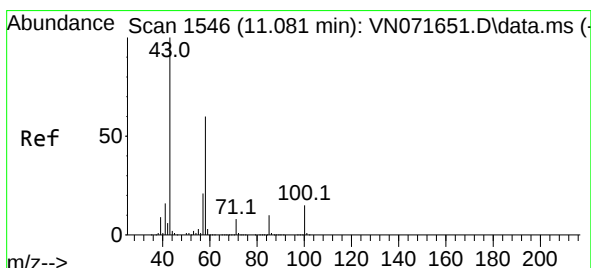
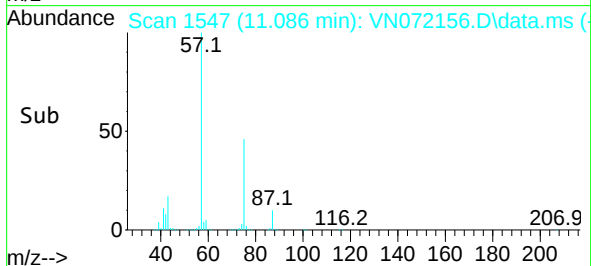
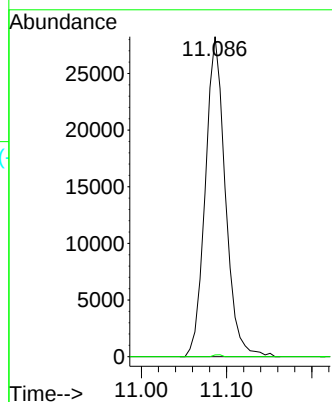
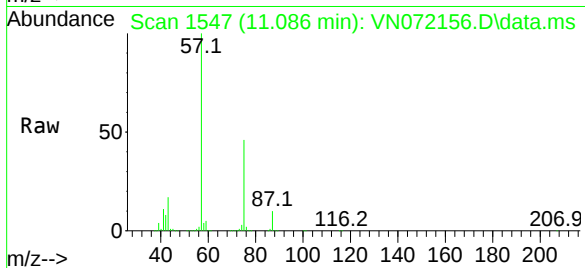
ClientSampleId :

Tgt Ion: 76 Resp: 46062

Ion Ratio Lower Upper

76 100

78 0.3 26.2 39.2#



#59

2-Hexanone

Concen: 92.244 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072156.D

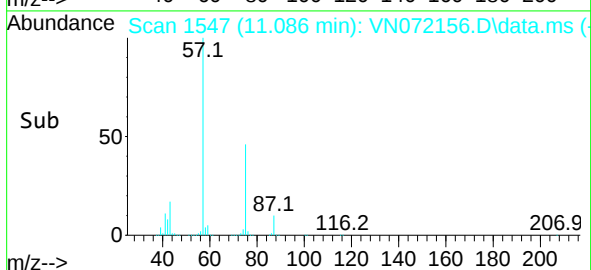
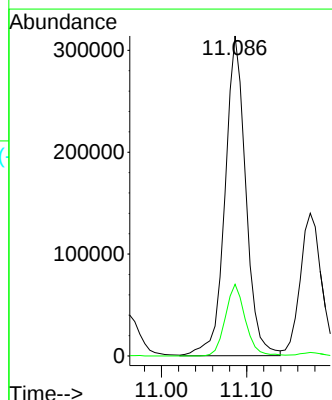
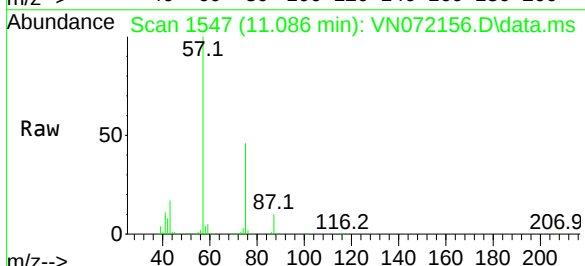
Acq: 22 Apr 2022 14:58

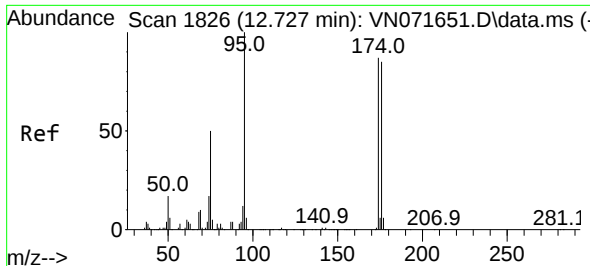
Tgt Ion: 43 Resp: 531809

Ion Ratio Lower Upper

43 100

58 21.5 29.7 89.1#

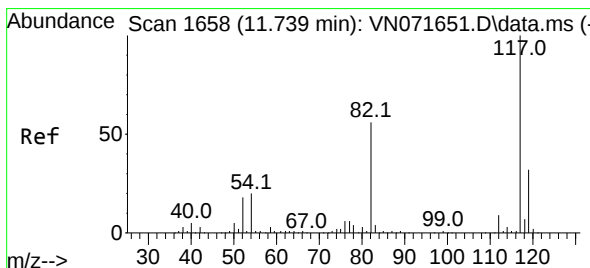
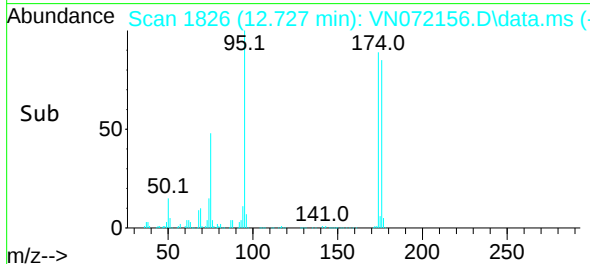
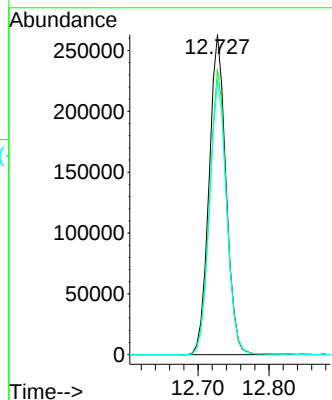
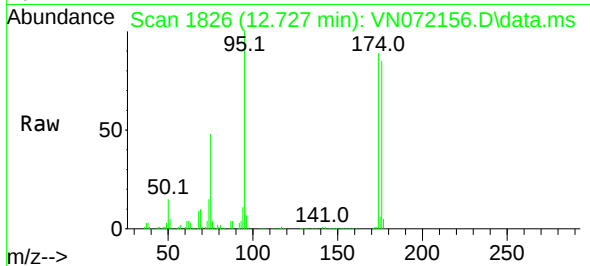




#62
4-Bromofluorobenzene
Concen: 58.935 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

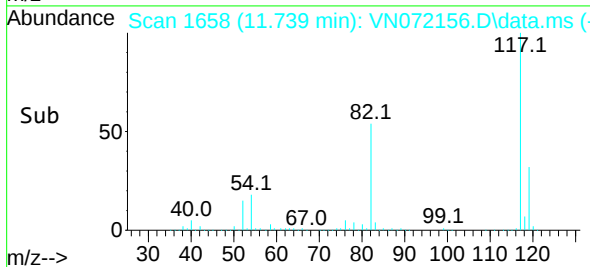
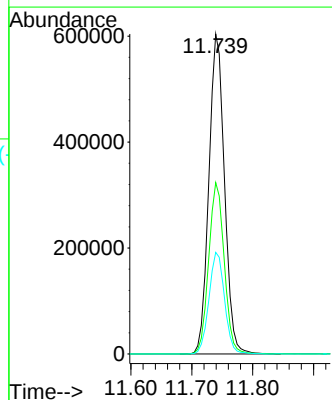
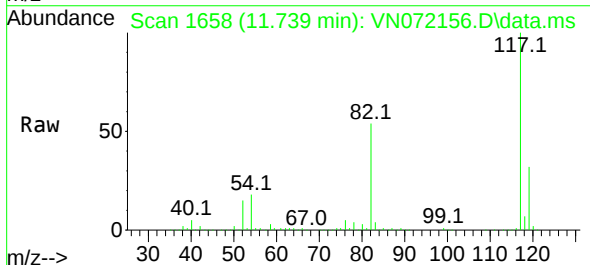
Instrument :
MSVOA_N
ClientSampleId :

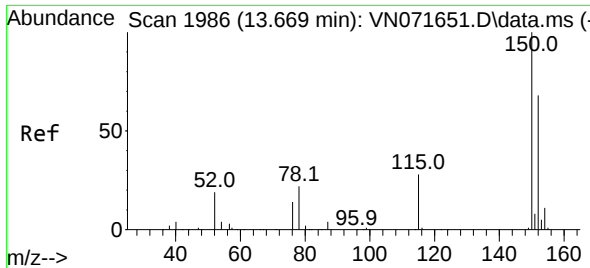
Tgt Ion: 95 Resp: 436814
Ion Ratio Lower Upper
95 100
174 88.9 0.0 167.6
176 85.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072156.D
Acq: 22 Apr 2022 14:58

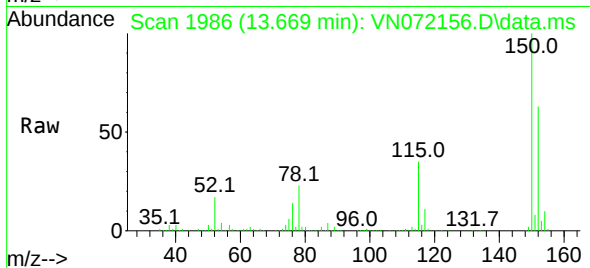
Tgt Ion: 117 Resp: 1075156
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 31.8 25.4 38.0



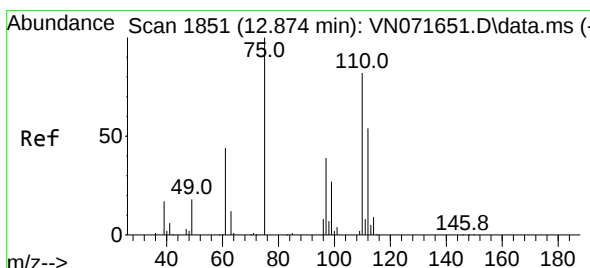
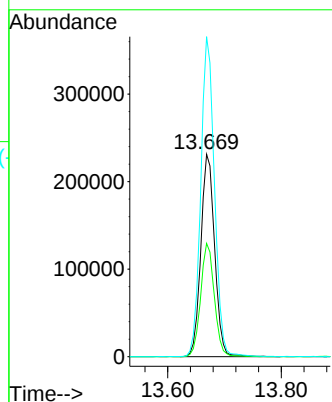
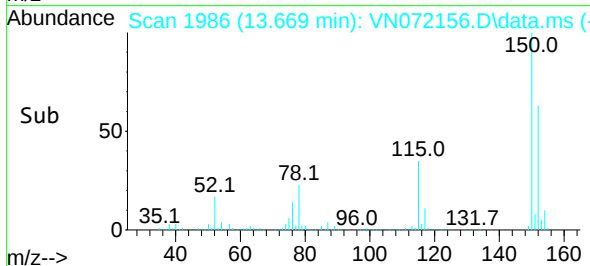


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN072156.D
 Acq: 22 Apr 2022 14:58

Instrument :
 MSVOA_N
 ClientSampleId :

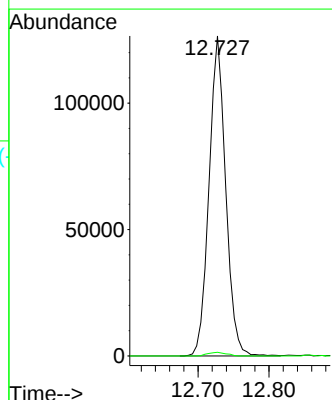
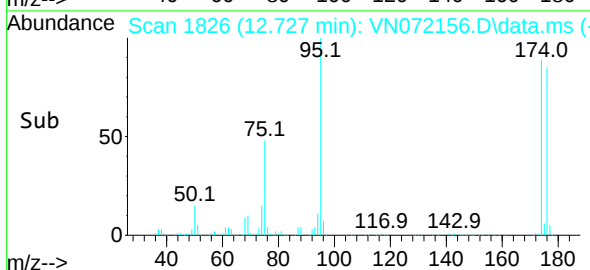
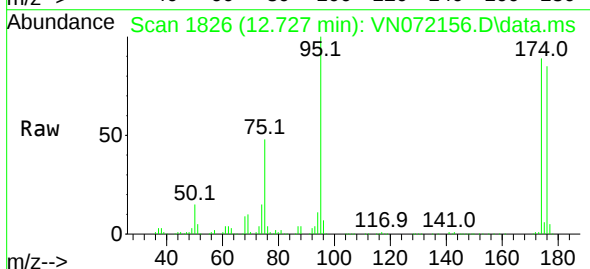


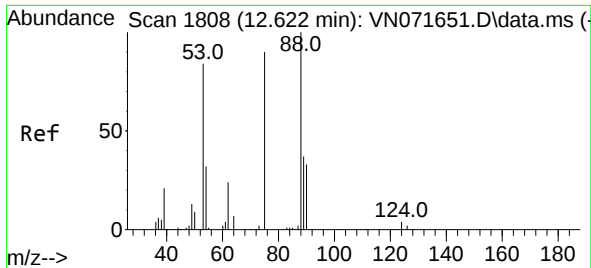
Tgt Ion:152 Resp: 390990
 Ion Ratio Lower Upper
 152 100
 115 55.5 28.9 86.7
 150 156.7 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 22.784 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072156.D
 Acq: 22 Apr 2022 14:58

Tgt Ion: 75 Resp: 206365
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

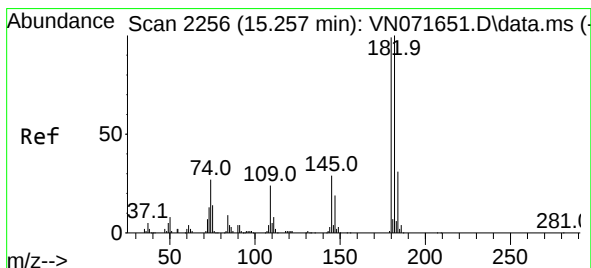
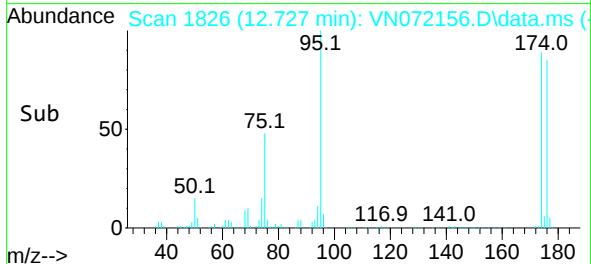
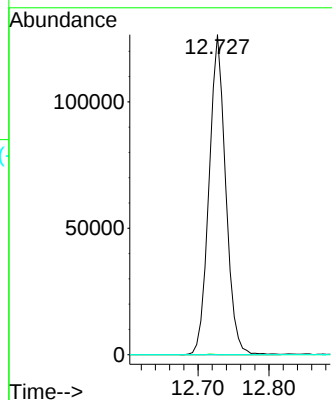
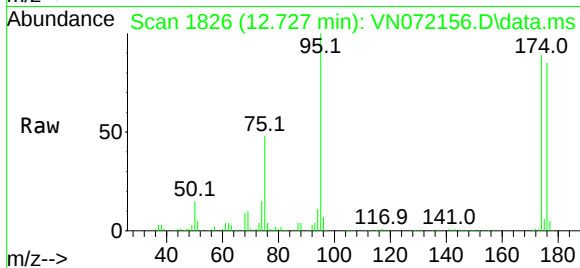




#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.606 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.105 min
 Lab File: VN072156.D
 Acq: 22 Apr 2022 14:58

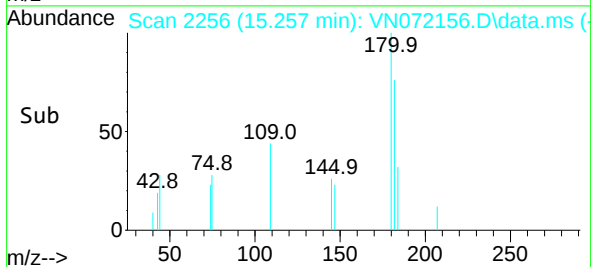
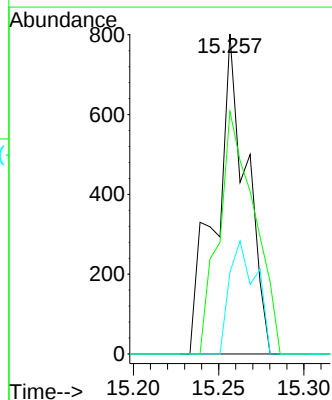
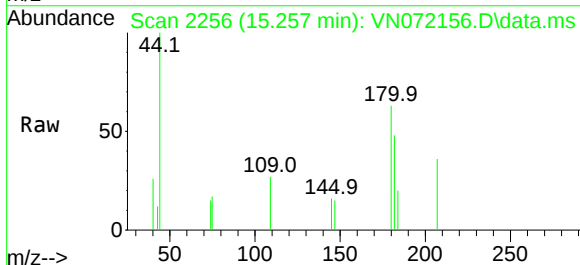
Instrument :
 MSVOA_N
 ClientSampleId :

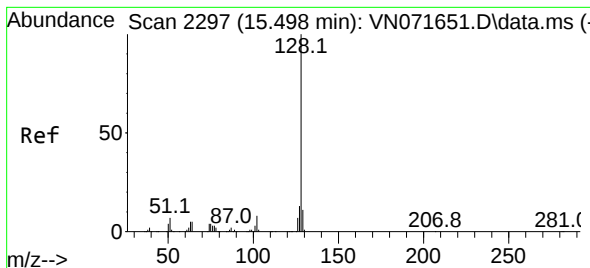
Tgt Ion: 75 Resp: 206365
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.241 ug/l
 RT: 15.257 min Scan# 2256
 Delta R.T. -0.000 min
 Lab File: VN072156.D
 Acq: 22 Apr 2022 14:58

Tgt Ion:180 Resp: 1008
 Ion Ratio Lower Upper
 180 100
 182 87.3 47.5 142.5
 145 30.7 14.5 43.5





#95

Naphthalene

Concen: 3.984 ug/l

RT: 15.498 min Scan# 21

Delta R.T. -0.000 min

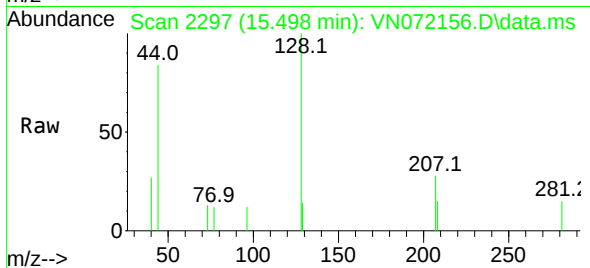
Lab File: VN072156.D

Acq: 22 Apr 2022 14:58

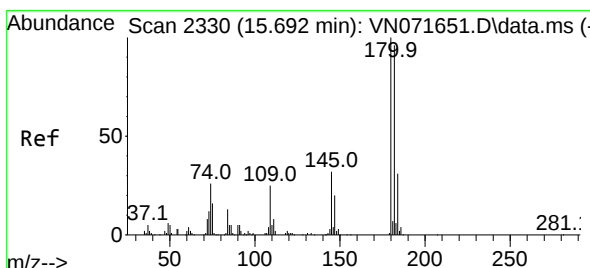
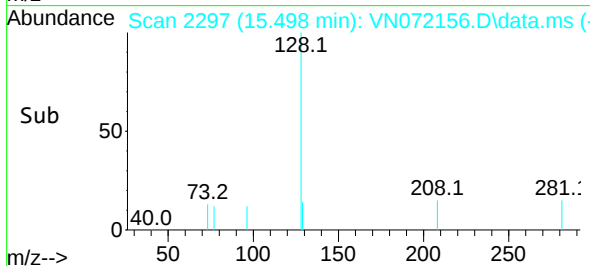
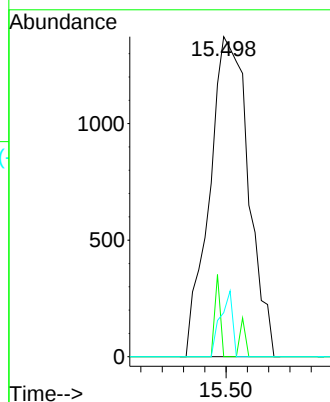
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	128	Resp:	3494
Ion	Ratio	Lower	Upper
128	100		
127	3.5	10.3	15.5#
129	6.3	8.6	13.0#



#96

1,2,3-Trichlorobenzene

Concen: 2.593 ug/l

RT: 15.704 min Scan# 2332

Delta R.T. 0.012 min

Lab File: VN072156.D

Acq: 22 Apr 2022 14:58

Tgt Ion:	180	Resp:	1135
Ion	Ratio	Lower	Upper
180	100		
182	82.6	47.8	143.3
145	7.7	15.5	46.5#

