

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042222\
 Data File : VN072168.D
 Acq On : 22 Apr 2022 19:48
 Operator : JC\MD
 Sample : PB144286TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 03:23:52 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)

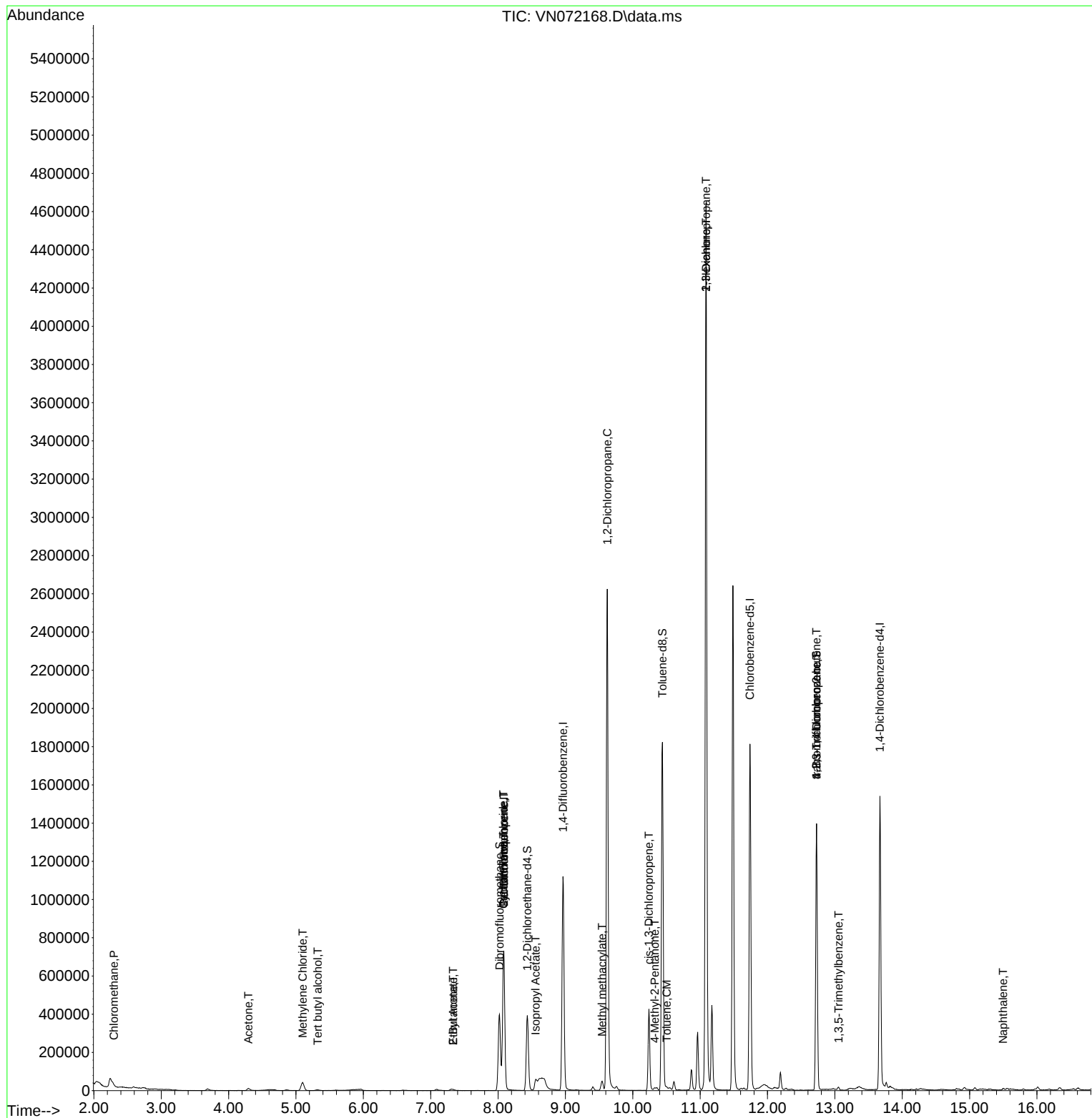
Internal Standards						
1) Pentafluorobenzene	8.086	168	626071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1073461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1149479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	451768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	324554	45.409	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.820%		
35) Dibromofluoromethane	8.022	113	299737	47.451	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.900%		
50) Toluene-d8	10.439	98	1380803	53.436	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.880%		
62) 4-Bromofluorobenzene	12.727	95	491417	58.802	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	117.600%		
Target Compounds					Qvalue	
3) Chloromethane	2.299	50	1557	0.247	ug/l #	65
11) Tert butyl alcohol	5.322	59	4554	3.926	ug/l #	72
16) Acetone	4.293	43	18712	6.126	ug/l #	87
18) Methyl Acetate	4.863	43	8197	Below Cal	#	80
20) Methylene Chloride	5.098	84	37119	5.765	ug/l	93
25) 2-Butanone	7.334	43	6381	1.449	ug/l	96
31) Cyclohexane	8.081	56	9252	0.952	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	39592	4.488	ug/l #	49
37) Ethyl Acetate	7.334	43	6381	0.661	ug/l #	67
38) Carbon Tetrachloride	8.081	117	56258	6.508	ug/l #	16
43) Isopropyl Acetate	8.557	43	65686	4.090	ug/l #	86
45) 1,2-Dichloropropane	9.622	63	3946	0.567	ug/l #	44
48) Methyl methacrylate	9.545	41	11788	1.769	ug/l #	10
49) 1,4-Dioxane	9.622	88	301	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	8653	0.937	ug/l	94
52) Toluene	10.504	92	5241	0.298	ug/l	96
54) cis-1,3-Dichloropropene	10.239	75	88031	8.171	ug/l #	55
57) 1,3-Dichloropropane	11.086	76	55073	4.544	ug/l #	42
59) 2-Hexanone	11.086	43	619657	95.324	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	231167	22.088	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	7169	0.238	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.727	75	231167	68.451	ug/l #	10
95) Naphthalene	15.498	128	9049	4.209	ug/l #	95

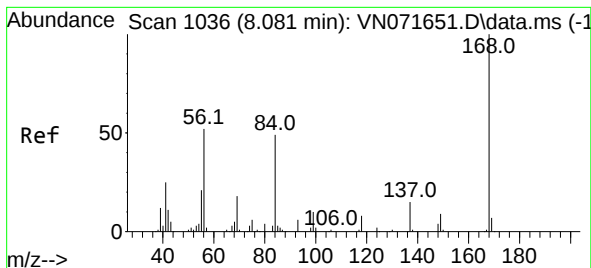
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 1036

Delta R.T. 0.005 min

Lab File: VN072168.D

Acq: 22 Apr 2022 19:48

Instrument :

MSVOA_N

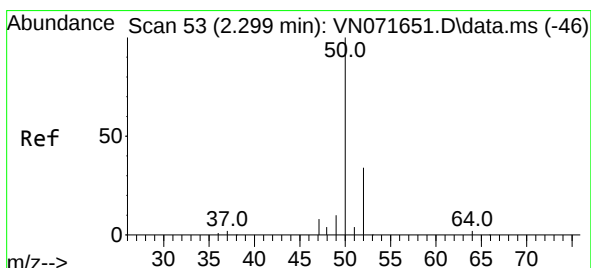
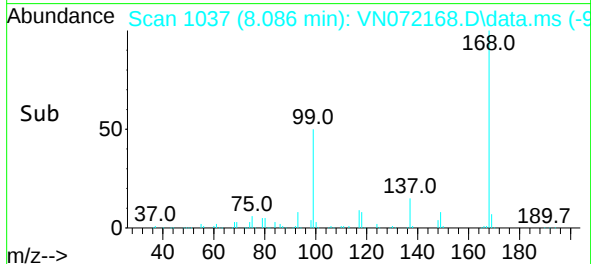
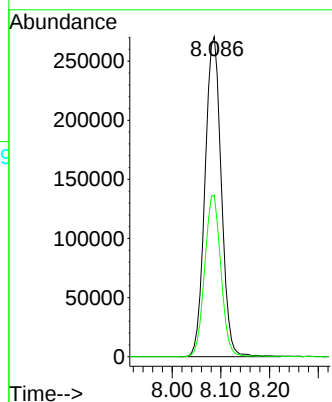
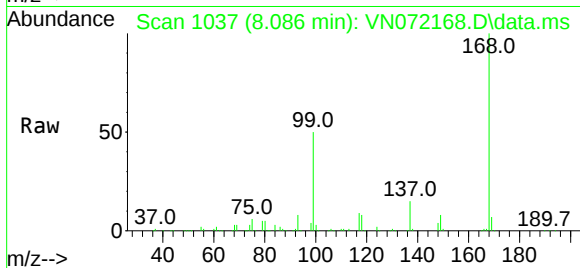
ClientSampleId :

Tgt Ion:168 Resp: 626071

Ion Ratio Lower Upper

168 100

99 50.5 42.3 63.5



#3

Chloromethane

Concen: 0.247 ug/l

RT: 2.299 min Scan# 53

Delta R.T. -0.000 min

Lab File: VN072168.D

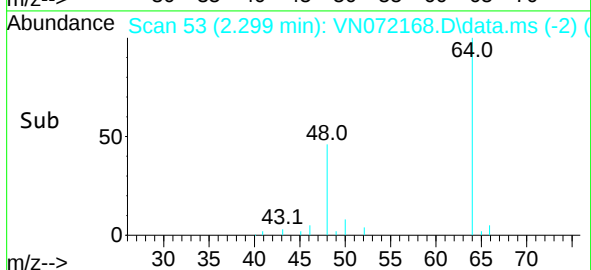
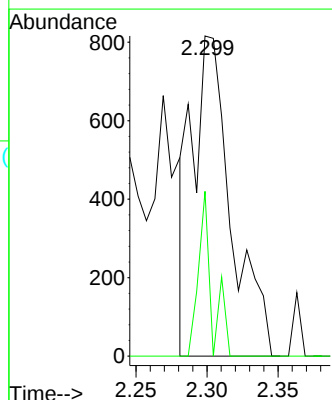
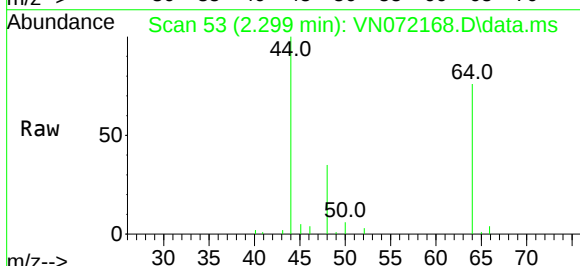
Acq: 22 Apr 2022 19:48

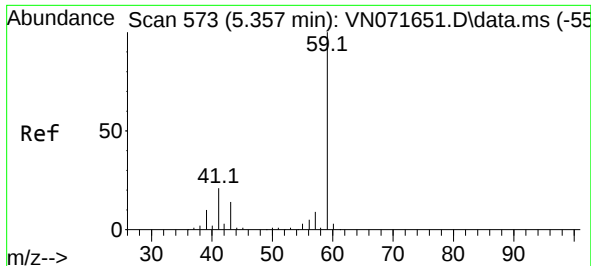
Tgt Ion: 50 Resp: 1557

Ion Ratio Lower Upper

50 100

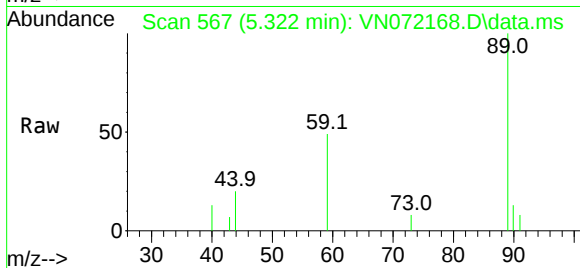
52 51.5 25.7 38.5#



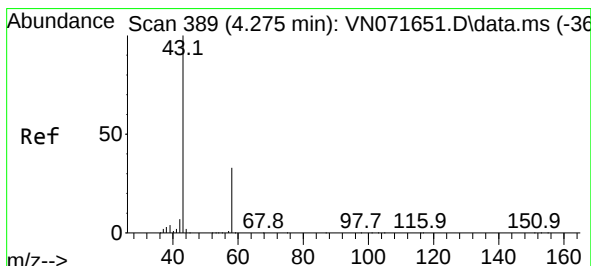
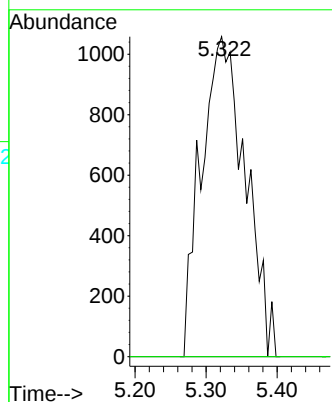
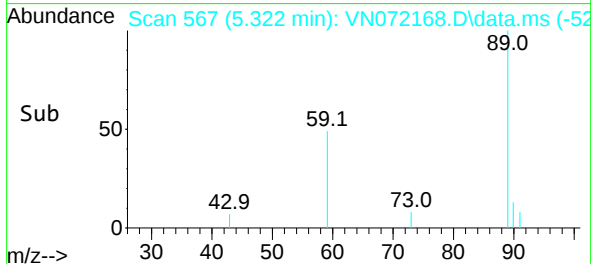


#11
Tert butyl alcohol
Concen: 3.926 ug/l
RT: 5.322 min Scan# 50
Delta R.T. -0.035 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

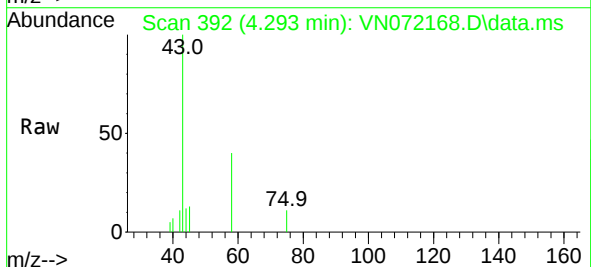
Instrument :
MSVOA_N
ClientSampleId :



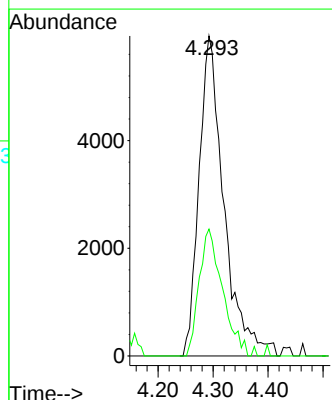
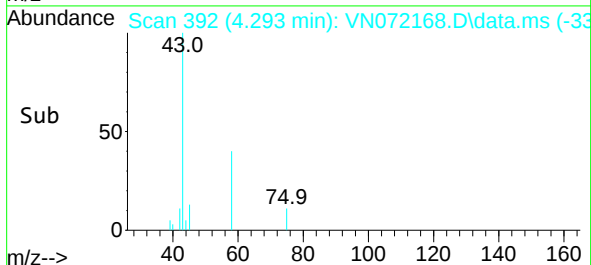
Tgt Ion: 59 Resp: 4554
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

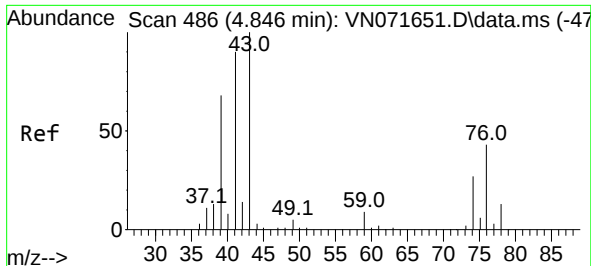


#16
Acetone
Concen: 6.126 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48



Tgt Ion: 43 Resp: 18712
Ion Ratio Lower Upper
43 100
58 39.6 26.0 39.0#

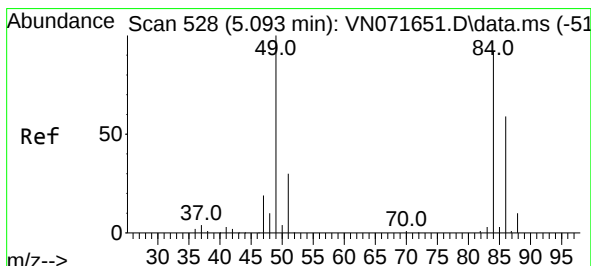
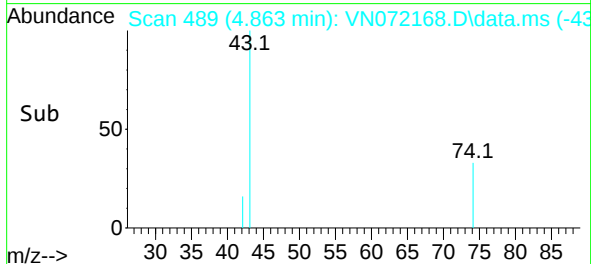
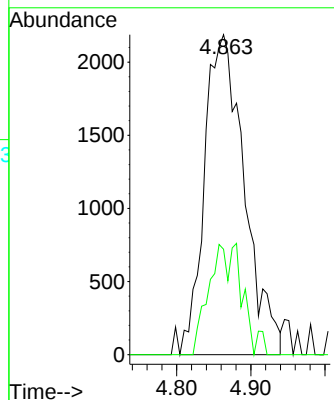
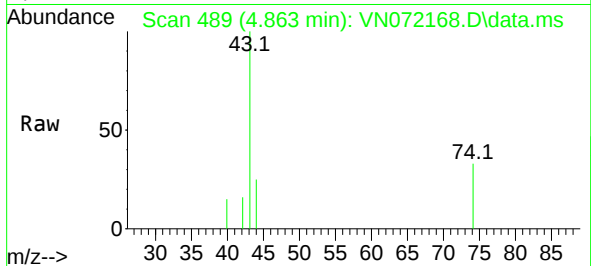




#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

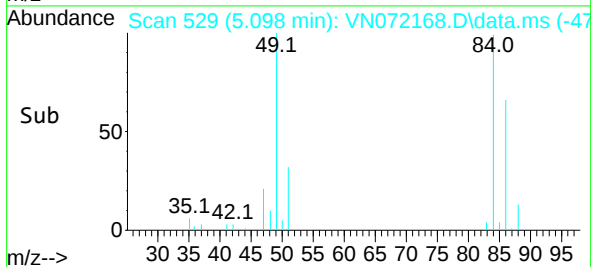
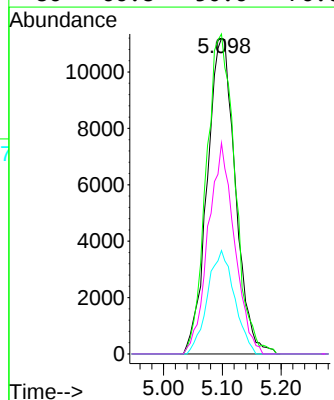
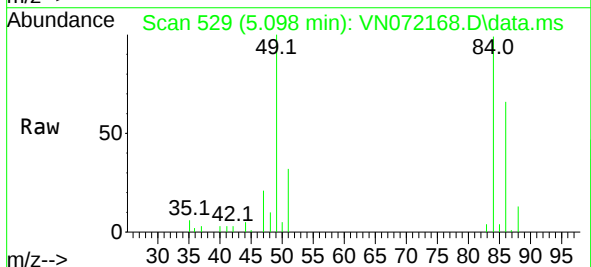
Instrument :
MSVOA_N
ClientSampleId :

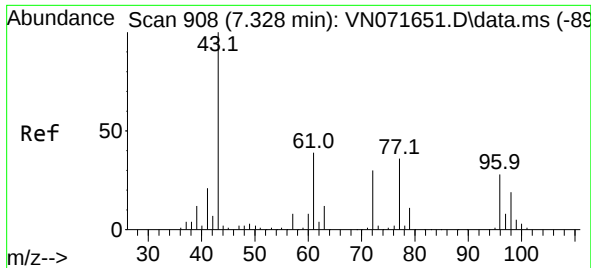
Tgt Ion: 43 Resp: 8197
Ion Ratio Lower Upper
43 100
74 16.8 21.6 32.4#



#20
Methylene Chloride
Concen: 5.765 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

Tgt Ion: 84 Resp: 37119
Ion Ratio Lower Upper
84 100
49 101.4 88.3 132.5
51 32.8 28.2 42.2
86 66.8 50.6 76.0

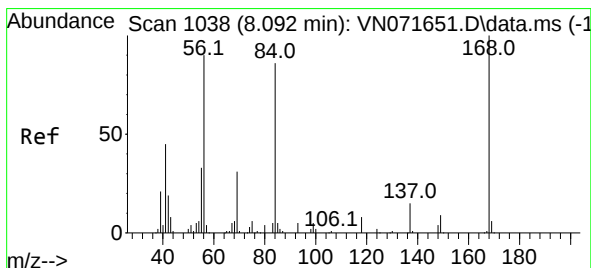
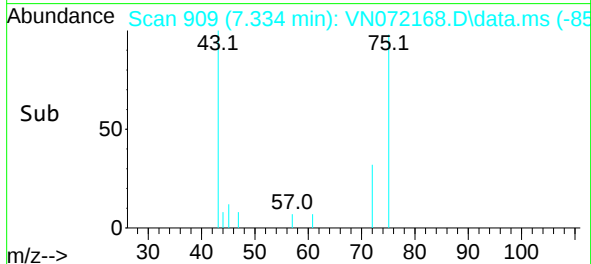
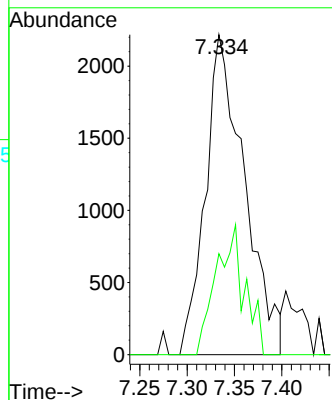
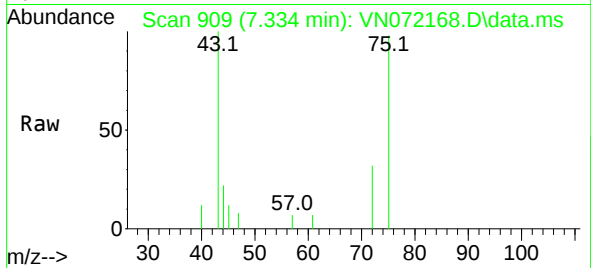




#25
2-Butanone
Concen: 1.449 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

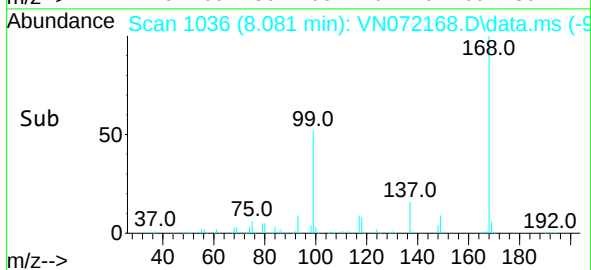
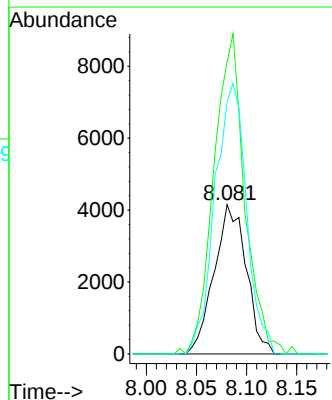
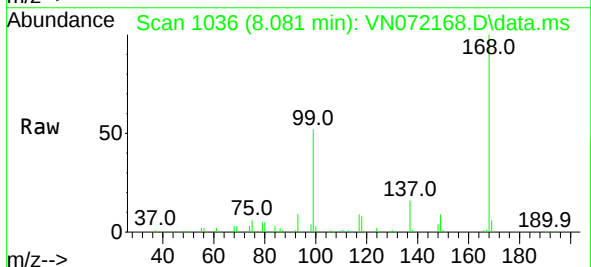
Instrument :
MSVOA_N
ClientSampleId :

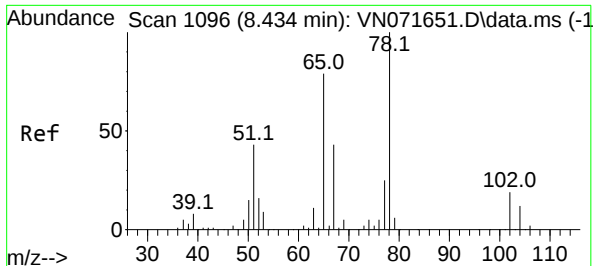
Tgt Ion: 43 Resp: 6381
Ion Ratio Lower Upper
43 100
72 31.6 23.7 35.5



#31
Cyclohexane
Concen: 0.952 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

Tgt Ion: 56 Resp: 9252
Ion Ratio Lower Upper
56 100
69 191.9 27.8 41.8#
84 169.0 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 45.409 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072168.D

Acq: 22 Apr 2022 19:48

Instrument :

MSVOA_N

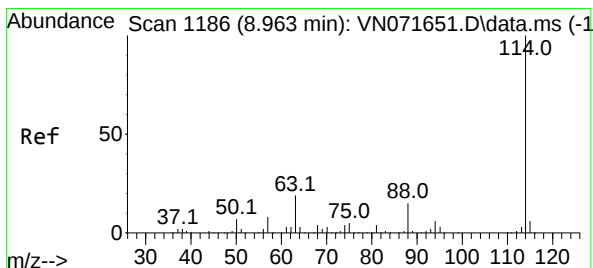
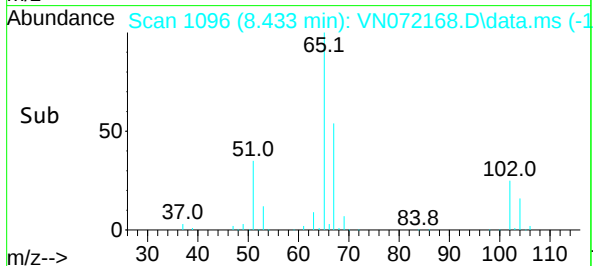
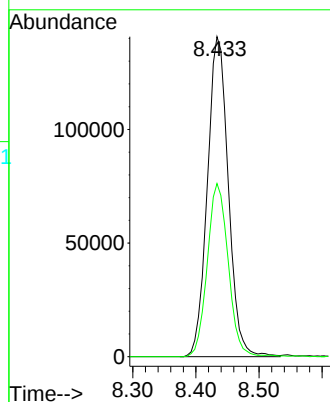
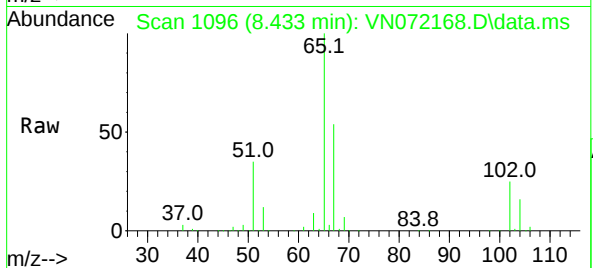
ClientSampleId :

Tgt Ion: 65 Resp: 324554

Ion Ratio Lower Upper

65 100

67 53.9 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: VN072168.D

Acq: 22 Apr 2022 19:48

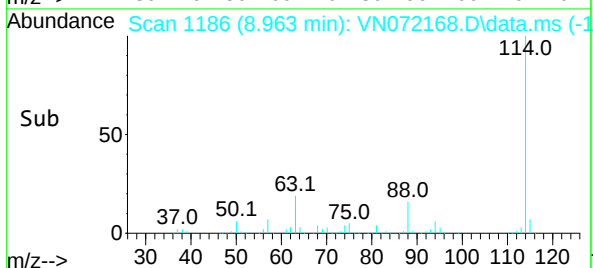
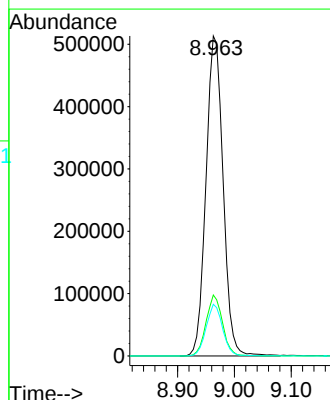
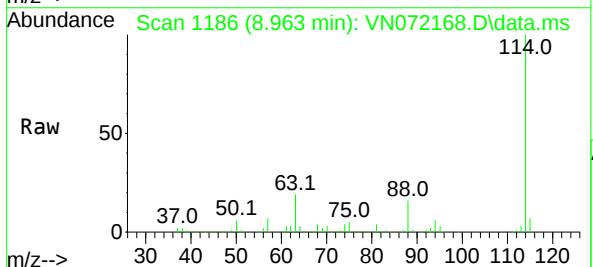
Tgt Ion: 114 Resp: 1073461

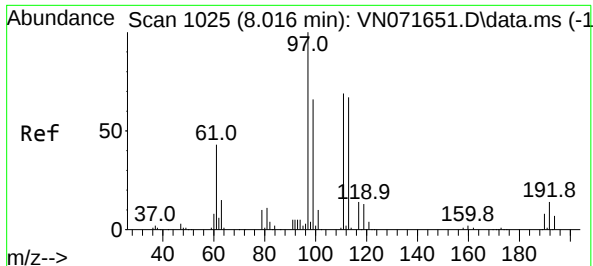
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.451 ug/l

RT: 8.022 min Scan# 1037

Delta R.T. 0.006 min

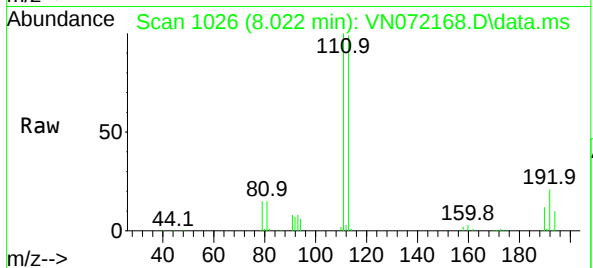
Lab File: VN072168.D

Acq: 22 Apr 2022 19:48

Instrument :

MSVOA_N

ClientSampleId :



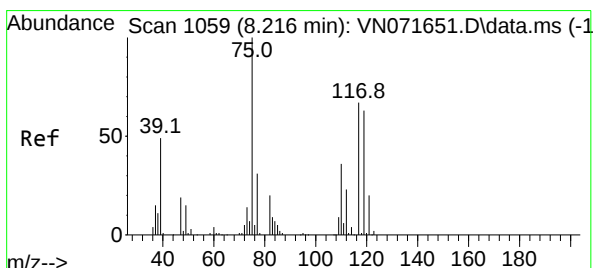
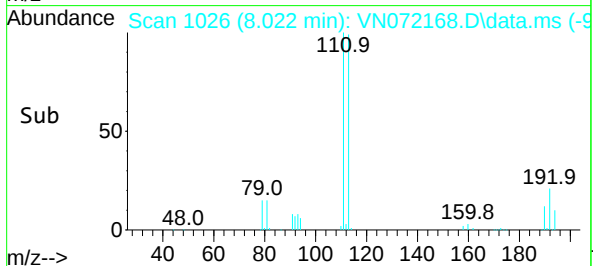
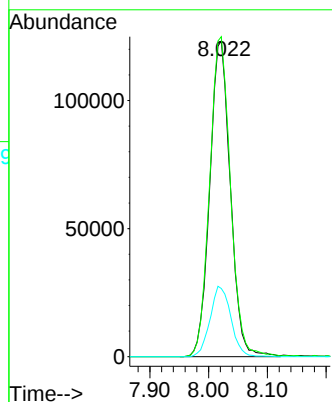
Tgt Ion: 113 Resp: 299737

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 22.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.488 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072168.D

Acq: 22 Apr 2022 19:48

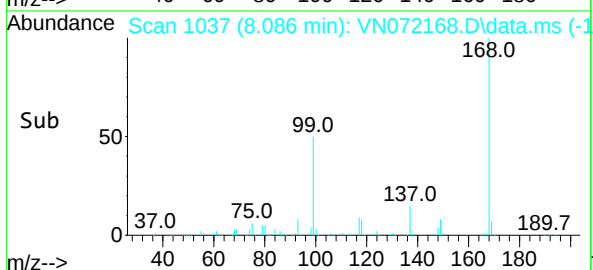
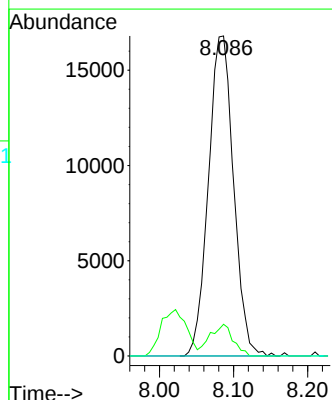
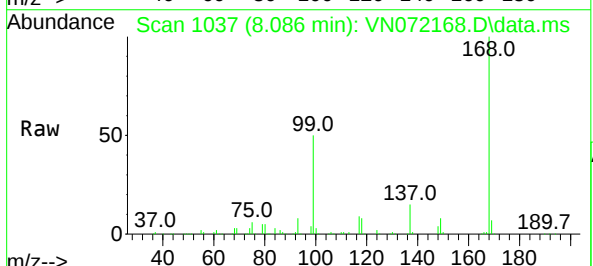
Tgt Ion: 75 Resp: 39592

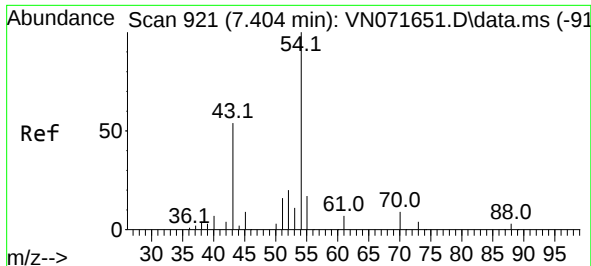
Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

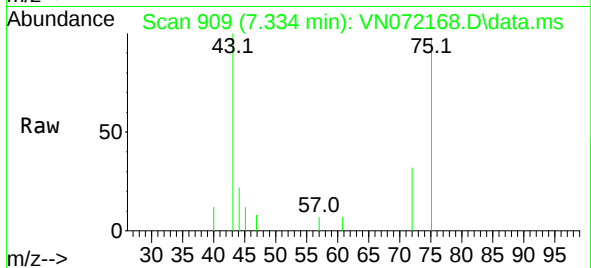
77 0.0 25.1 37.7#



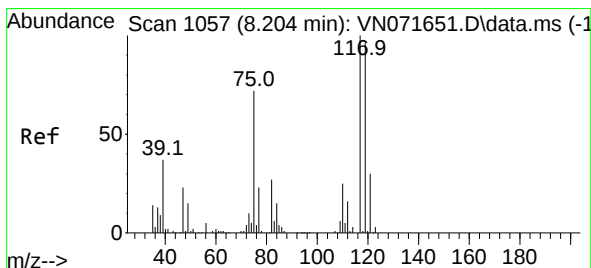
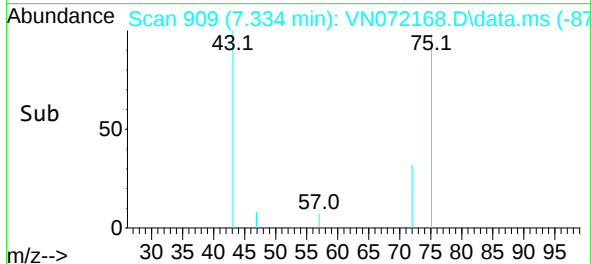
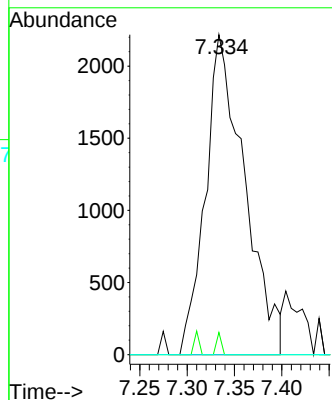


#37
Ethyl Acetate
Concen: 0.661 ug/l
RT: 7.334 min Scan# 90
Delta R.T. -0.070 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

Instrument :
MSVOA_N
ClientSampleId :

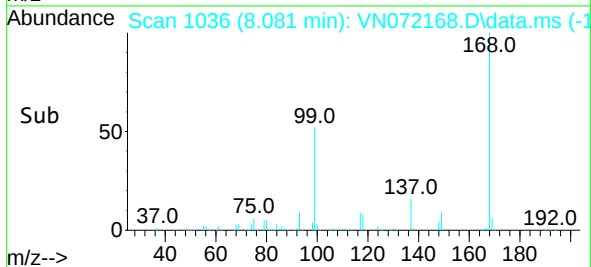
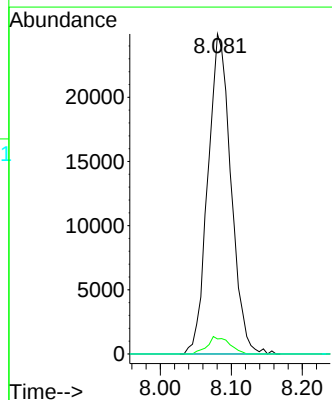
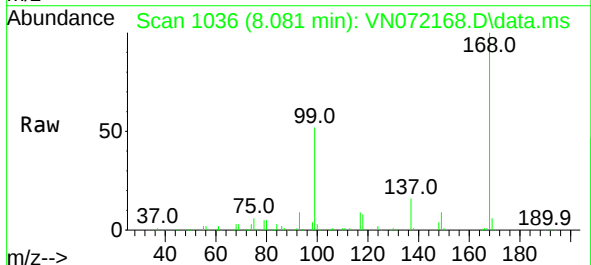


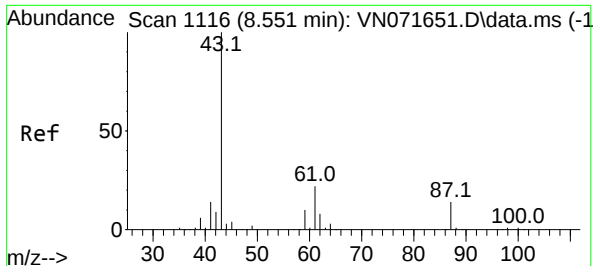
Tgt Ion: 43 Resp: 6381
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.508 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

Tgt Ion: 117 Resp: 56258
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.8#
121 0.0 24.6 37.0#

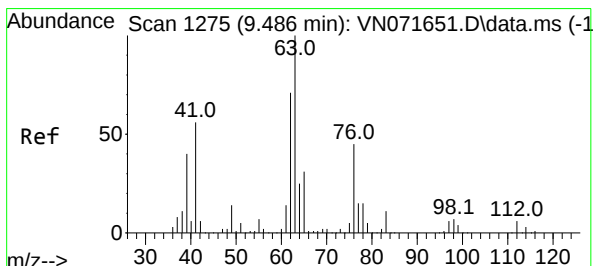
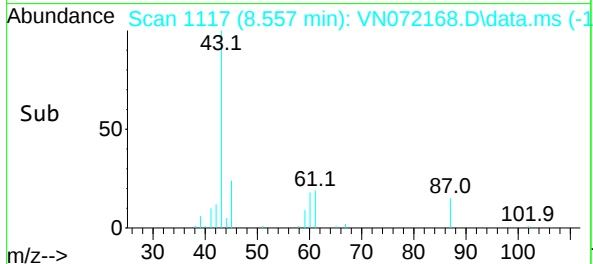
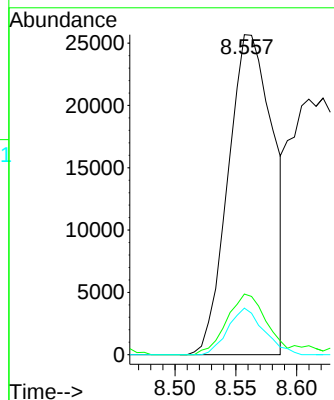
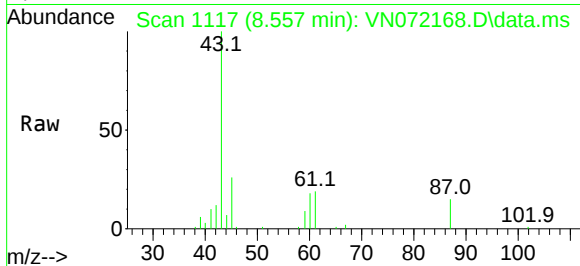




#43
Isopropyl Acetate
Concen: 4.090 ug/l
RT: 8.557 min Scan# 1116
Delta R.T. 0.006 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

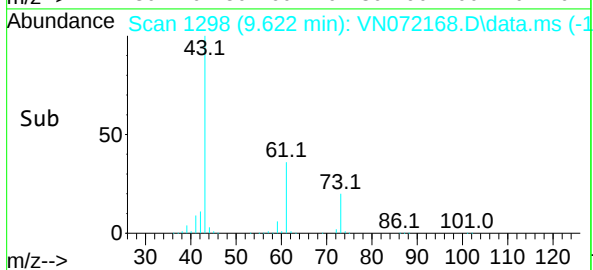
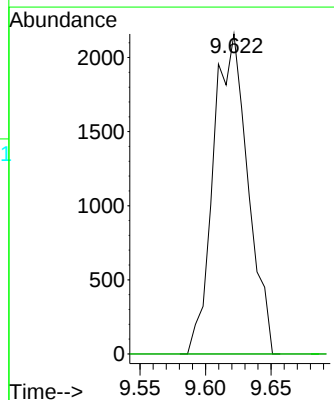
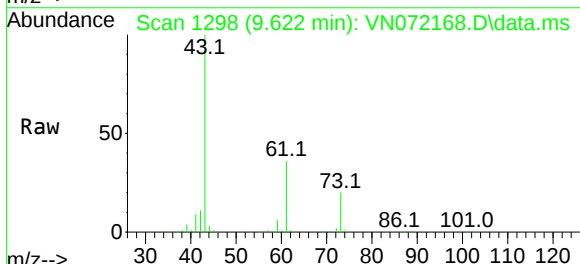
Instrument :
MSVOA_N
ClientSampleId :

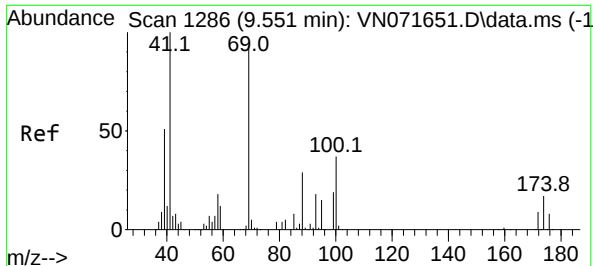
Tgt Ion: 43 Resp: 65686
Ion Ratio Lower Upper
43 100
61 18.3 21.9 32.9#
87 11.6 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.567 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.136 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

Tgt Ion: 63 Resp: 3946
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 1.769 ug/l

RT: 9.545 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN072168.D

Acq: 22 Apr 2022 19:48

Instrument :

MSVOA_N

ClientSampleId :

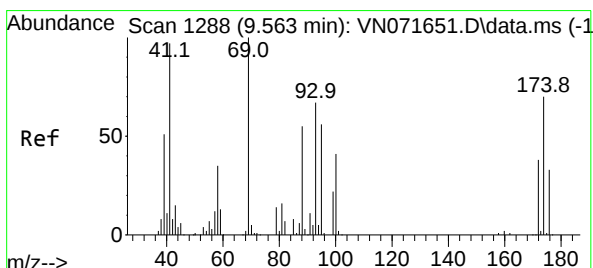
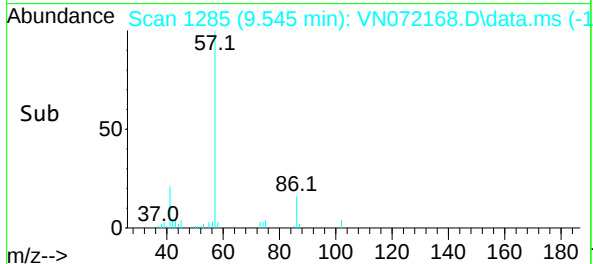
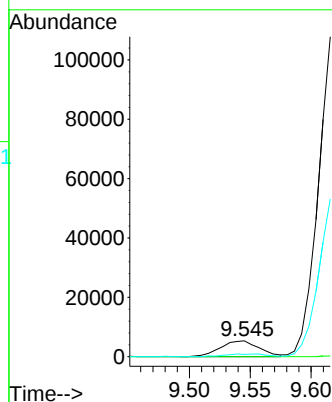
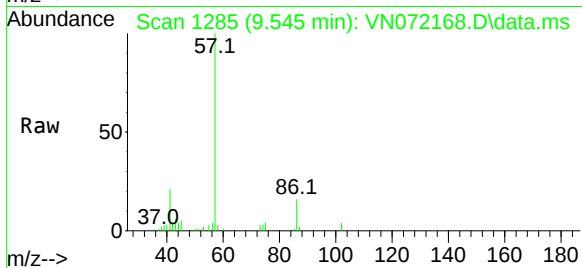
Tgt Ion: 41 Resp: 11788

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: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN072168.D

Acq: 22 Apr 2022 19:48

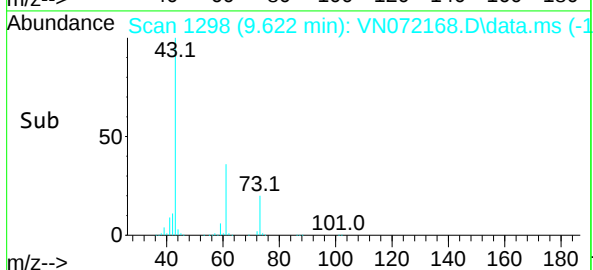
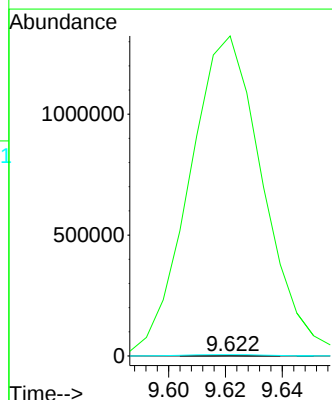
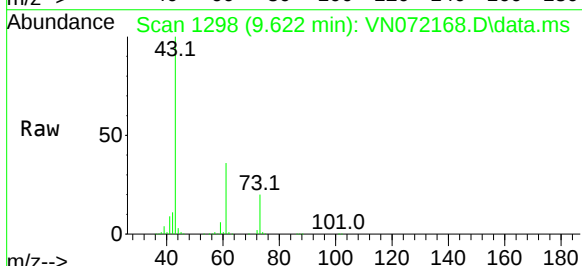
Tgt Ion: 88 Resp: 301

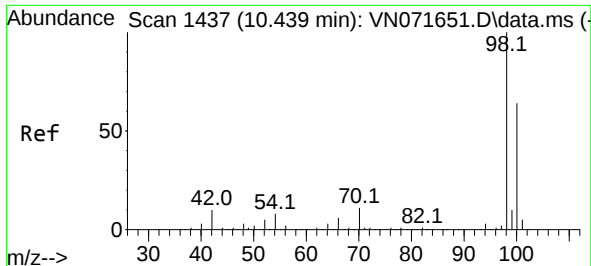
Ion Ratio Lower Upper

88 100

43 813230.9 20.2 30.4#

58 3894.4 54.2 81.4#

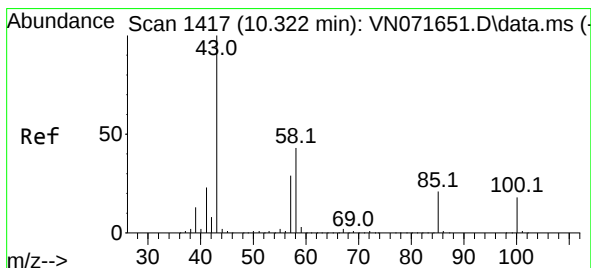
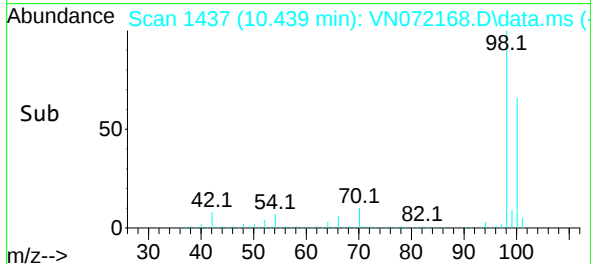
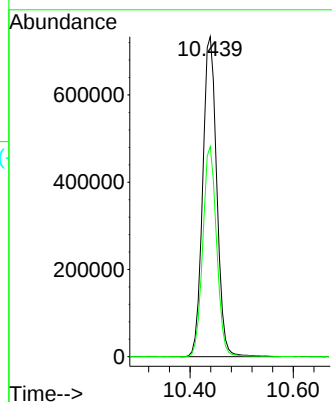
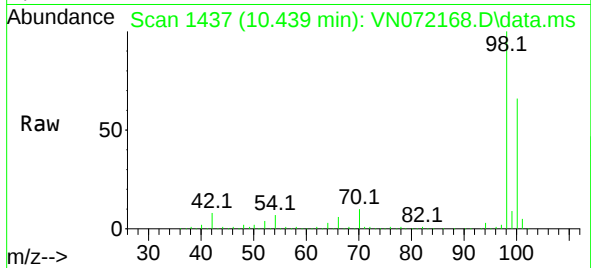




#50
Toluene-d8
Concen: 53.436 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

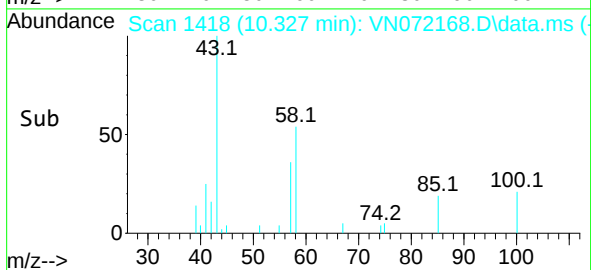
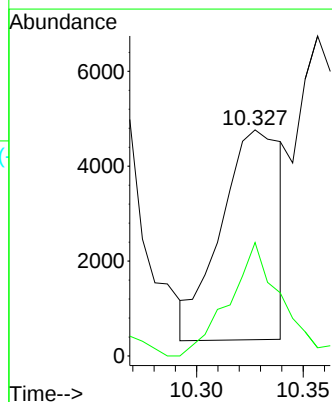
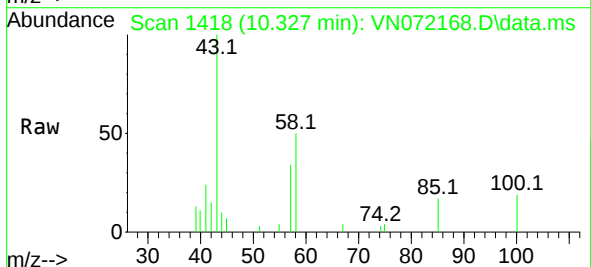
Instrument :
MSVOA_N
ClientSampleId :

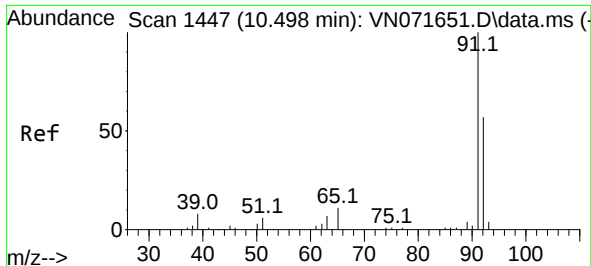
Tgt Ion: 98 Resp: 1380803
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.937 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.005 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

Tgt Ion: 43 Resp: 8653
Ion Ratio Lower Upper
43 100
58 46.5 34.1 51.1

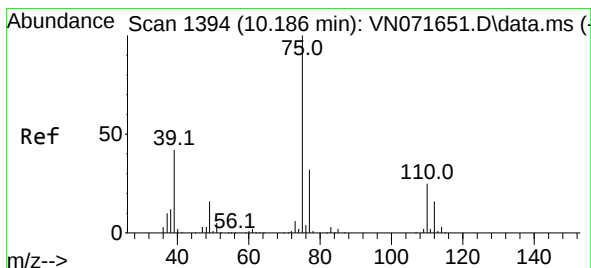
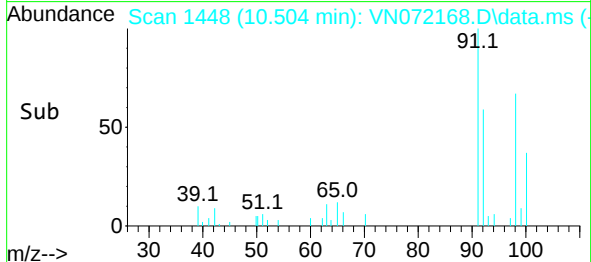
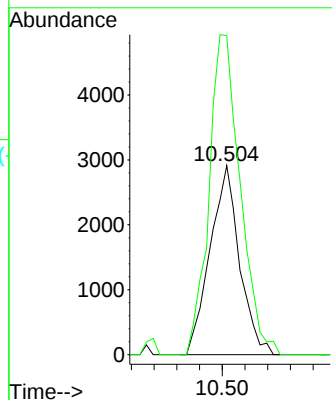
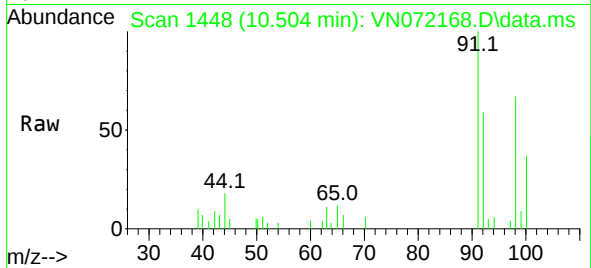




#52
Toluene
Concen: 0.298 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

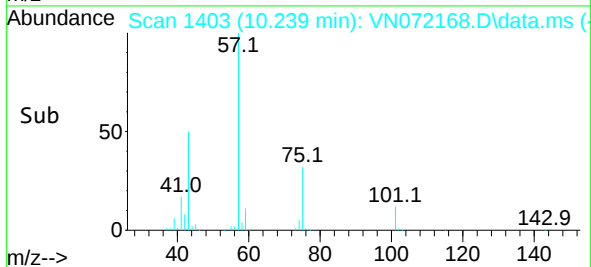
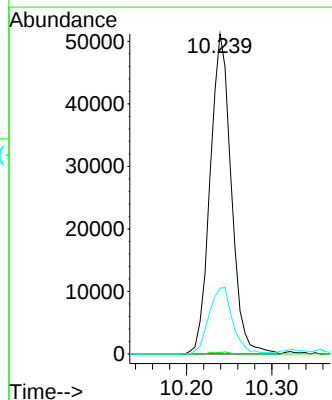
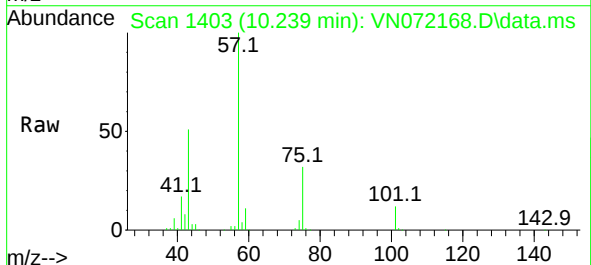
Instrument :
MSVOA_N
ClientSampleId :

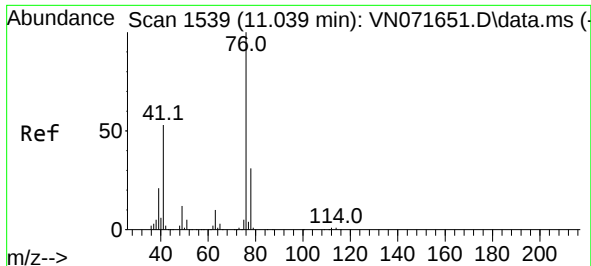
Tgt Ion: 92 Resp: 5241
Ion Ratio Lower Upper
92 100
91 179.3 138.6 207.8



#54
cis-1,3-Dichloropropene
Concen: 8.171 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

Tgt Ion: 75 Resp: 88031
Ion Ratio Lower Upper
75 100
77 0.4 25.2 37.8#
39 20.5 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 4.544 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072168.D

Acq: 22 Apr 2022 19:48

Instrument :

MSVOA_N

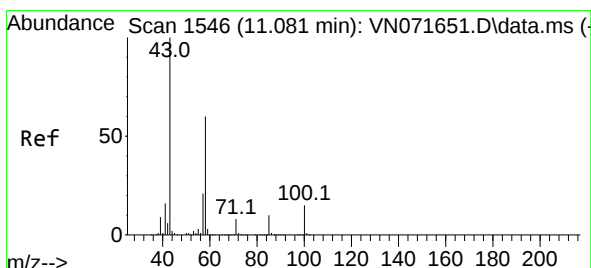
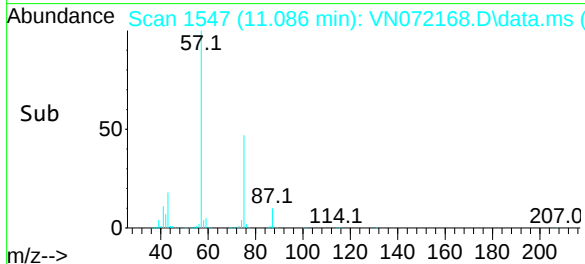
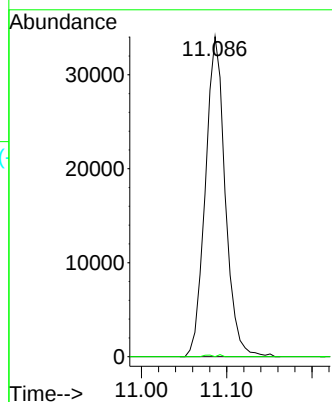
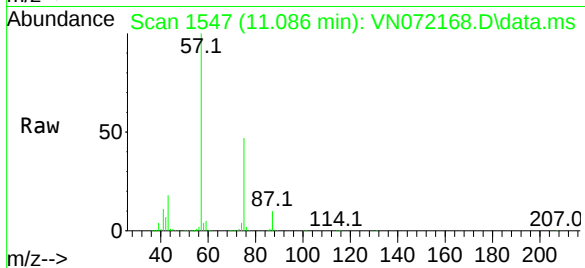
ClientSampleId :

Tgt Ion: 76 Resp: 55073

Ion Ratio Lower Upper

76 100

78 0.2 26.2 39.2#



#59

2-Hexanone

Concen: 95.324 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072168.D

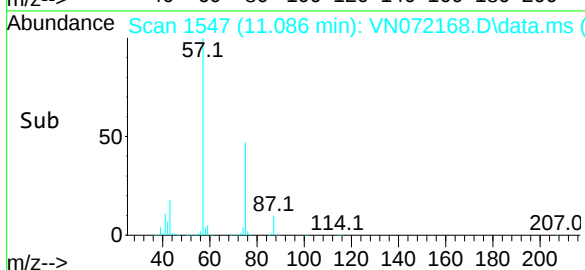
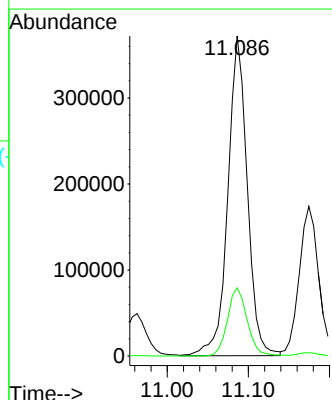
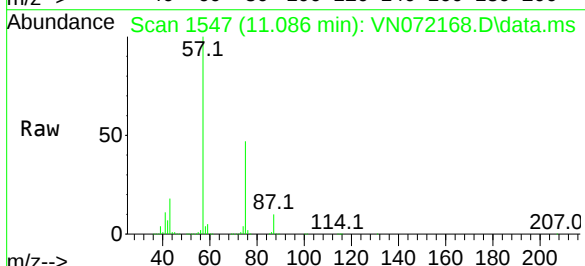
Acq: 22 Apr 2022 19:48

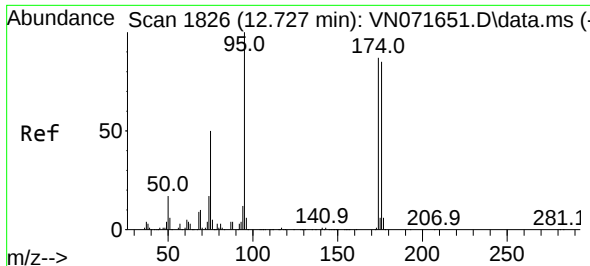
Tgt Ion: 43 Resp: 619657

Ion Ratio Lower Upper

43 100

58 21.6 29.7 89.1#

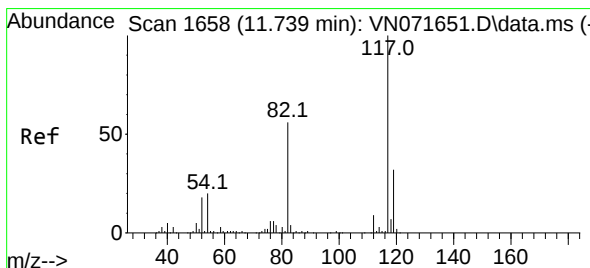
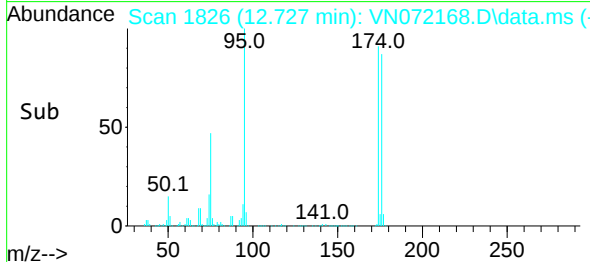
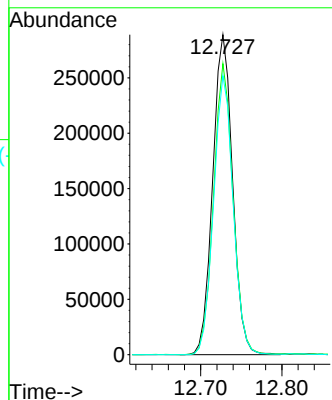
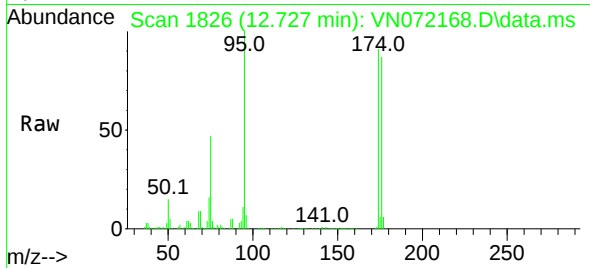




#62
4-Bromofluorobenzene
Concen: 58.802 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

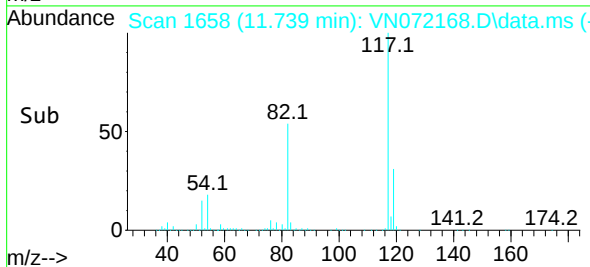
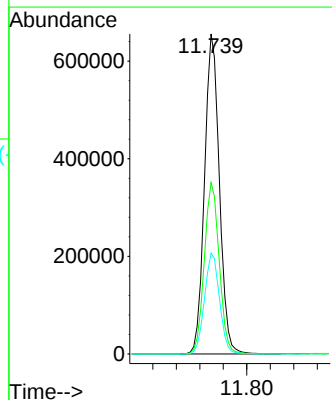
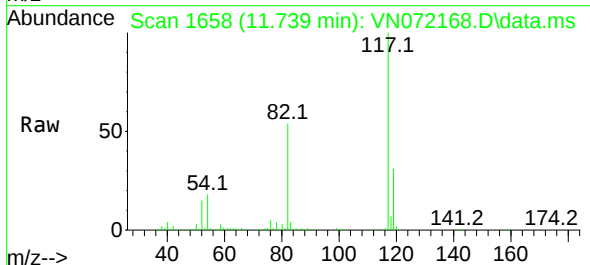
Instrument :
MSVOA_N
ClientSampleId :

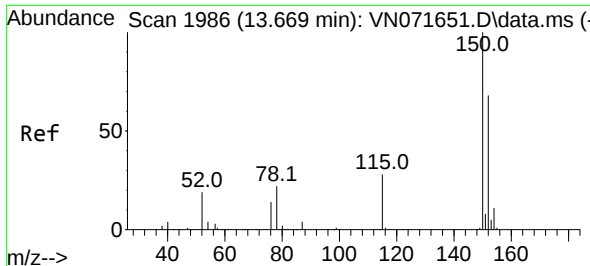
Tgt Ion: 95 Resp: 491417
Ion Ratio Lower Upper
95 100
174 89.1 0.0 167.6
176 85.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

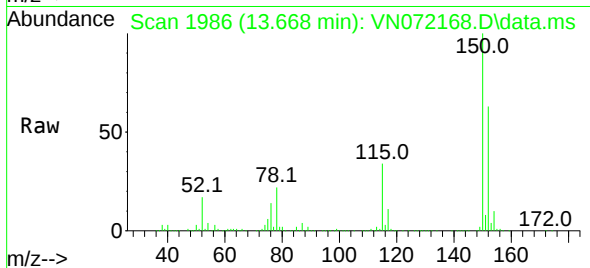
Tgt Ion: 117 Resp: 1149479
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 31.5 25.4 38.0



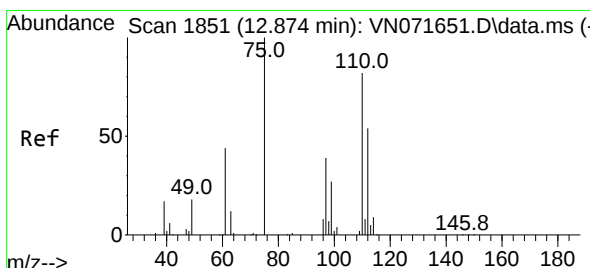
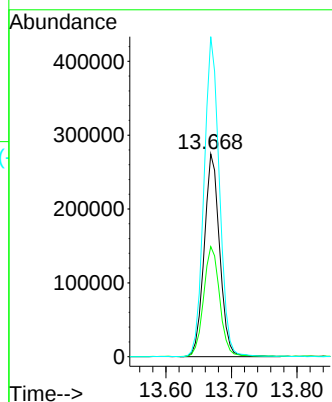
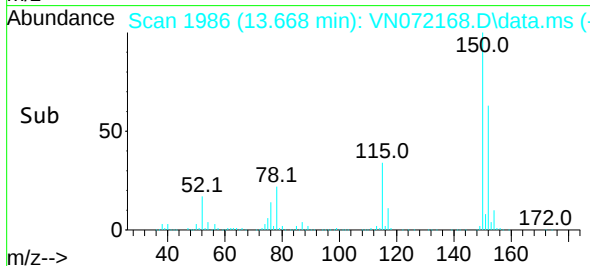


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072168.D
 Acq: 22 Apr 2022 19:48

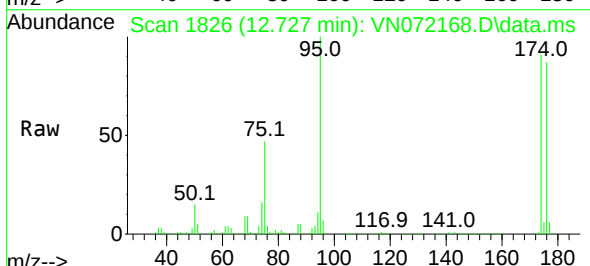
Instrument :
 MSVOA_N
 ClientSampleId :



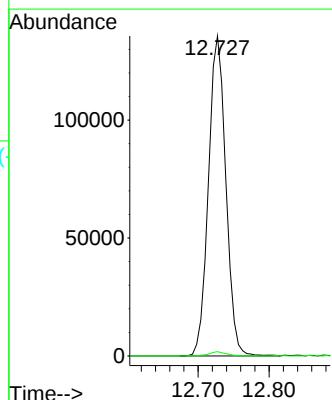
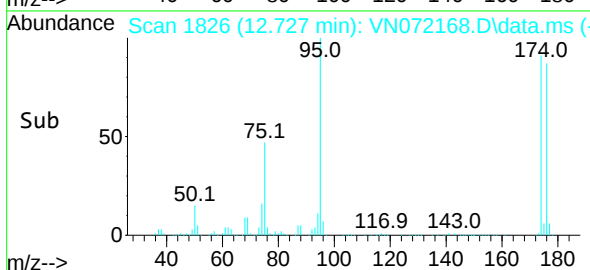
Tgt Ion:152 Resp: 451768
 Ion Ratio Lower Upper
 152 100
 115 56.3 28.9 86.7
 150 156.7 0.0 356.2

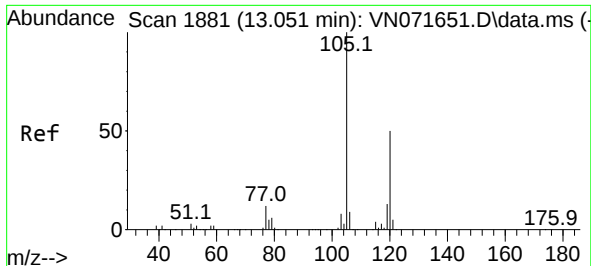


#76
 1,2,3-Trichloropropane
 Concen: 22.088 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072168.D
 Acq: 22 Apr 2022 19:48



Tgt Ion: 75 Resp: 231167
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

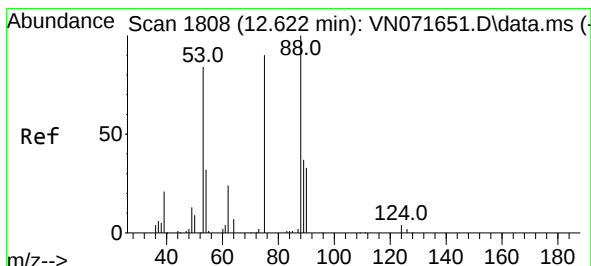
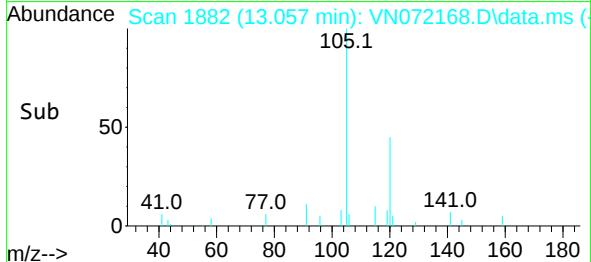
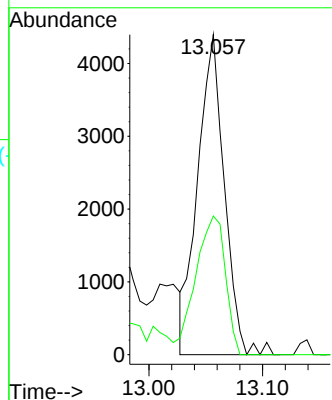
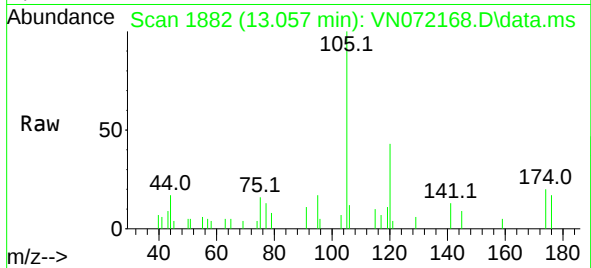




#80
1,3,5-Trimethylbenzene
Concen: 0.238 ug/l
RT: 13.057 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

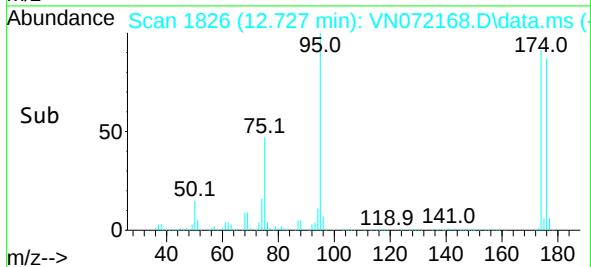
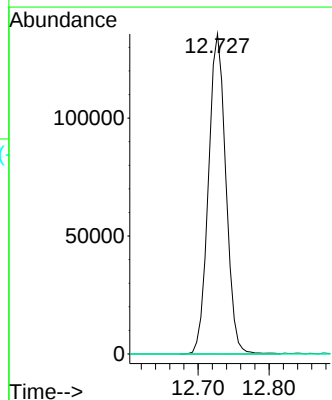
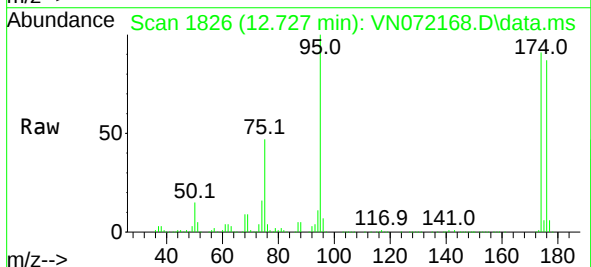
Instrument :
MSVOA_N
ClientSampleId :

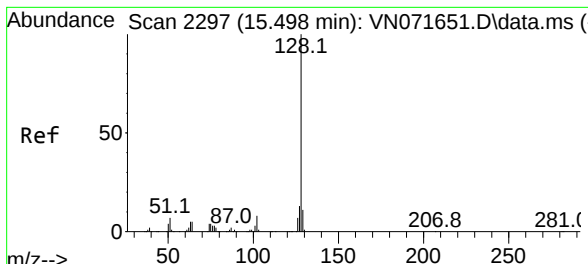
Tgt Ion:105 Resp: 7169
Ion Ratio Lower Upper
105 100
120 48.2 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 68.451 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072168.D
Acq: 22 Apr 2022 19:48

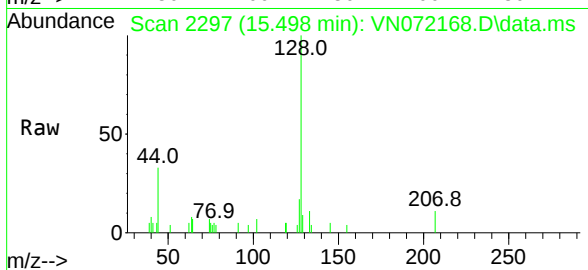
Tgt Ion: 75 Resp: 231167
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 4.209 ug/l
 RT: 15.498 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN072168.D
 Acq: 22 Apr 2022 19:48

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	9049
Ion	Ratio	Lower	Upper
128	100		
127	16.6	10.3	15.5#
129	10.8	8.6	13.0

