

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042222\
 Data File : VN072171.D
 Acq On : 22 Apr 2022 21:00
 Operator : JC\MD
 Sample : N2524-05 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 03:24:46 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)

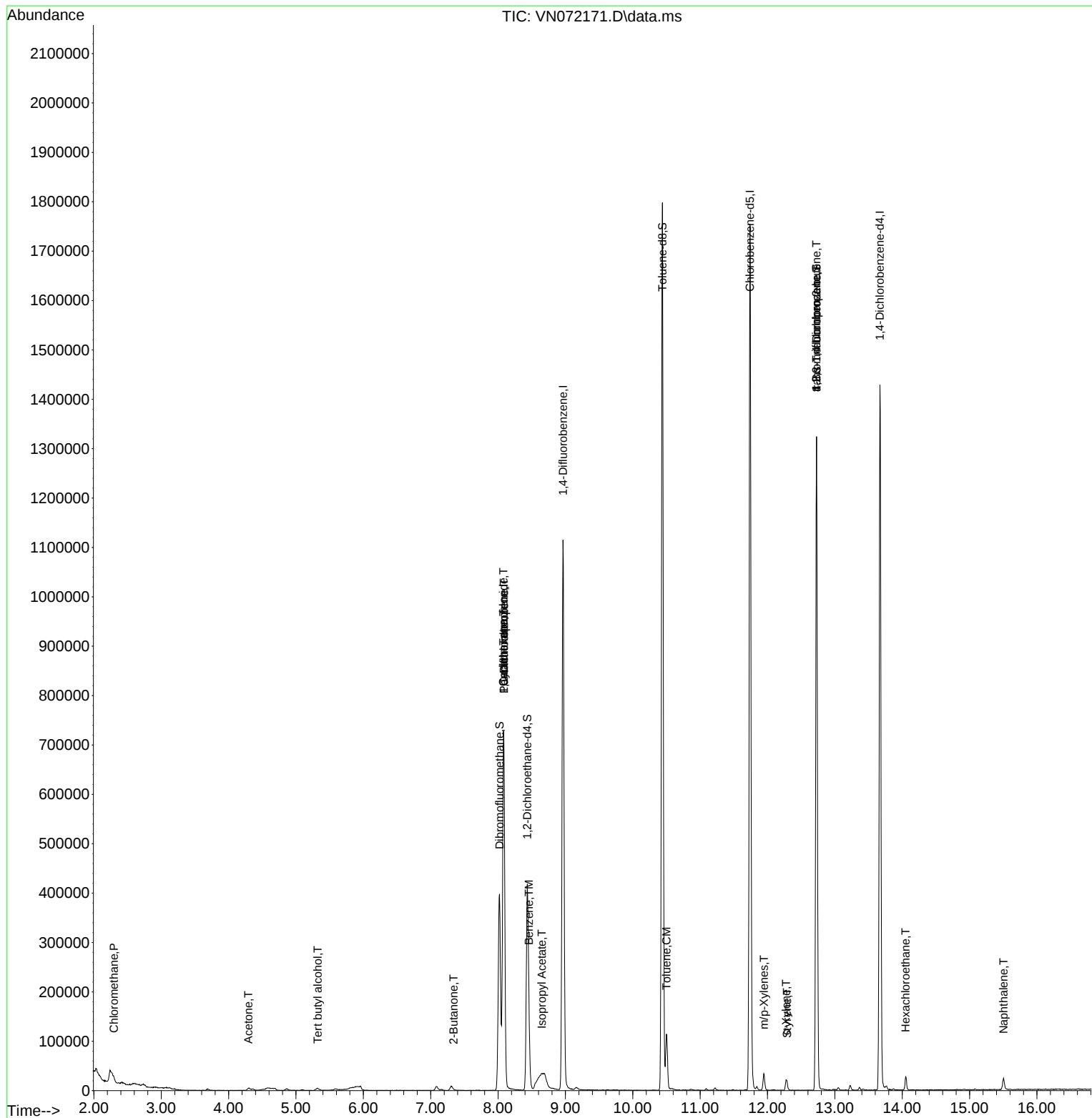
Internal Standards						
1) Pentafluorobenzene	8.086	168	624366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1062835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1135399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	443708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	322280	45.214	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.420%
35) Dibromofluoromethane	8.022	113	300880	48.109	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.220%
50) Toluene-d8	10.439	98	1328372	51.921	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.840%
62) 4-Bromofluorobenzene	12.727	95	472603	57.116	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	114.240%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1863	0.296	ug/l #	84
11) Tert butyl alcohol	5.322	59	4384	3.790	ug/l #	72
16) Acetone	4.293	43	5517	1.811	ug/l #	77
18) Methyl Acetate	4.857	43	5890	Below Cal		92
25) 2-Butanone	7.339	43	1638	0.373	ug/l #	45
31) Cyclohexane	8.080	56	9485	0.978	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	38639	4.424	ug/l #	49
38) Carbon Tetrachloride	8.080	117	53553	6.257	ug/l #	18
40) Benzene	8.457	78	76171	2.761	ug/l	99
43) Isopropyl Acetate	8.651	43	59198	3.723	ug/l #	54
52) Toluene	10.498	92	50719	2.908	ug/l	97
68) m/p-Xylenes	11.945	106	11048	0.747	ug/l	98
69) o-Xylene	12.274	106	5489	0.374	ug/l	99
70) Styrene	12.292	104	5071	0.228	ug/l	95
76) 1,2,3-Trichloropropane	12.727	75	219828	21.386	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	219828	66.276	ug/l #	10
90) Hexachloroethane	14.051	117	1544	0.301	ug/l #	9
95) Naphthalene	15.504	128	23688	4.886	ug/l	99

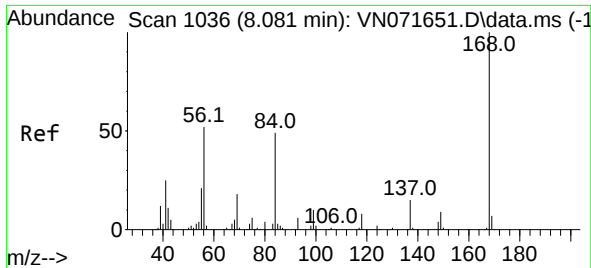
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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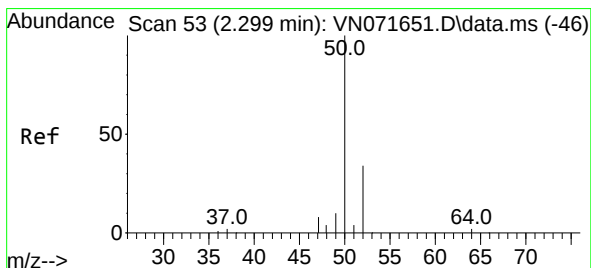
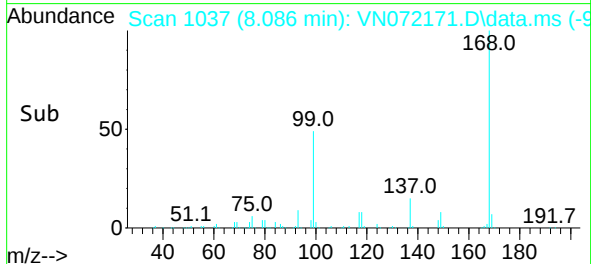
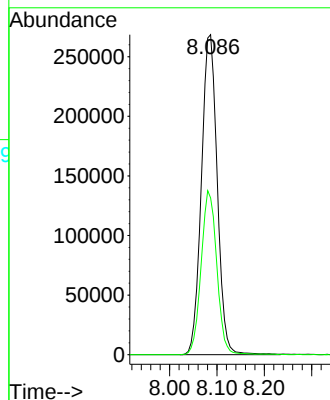
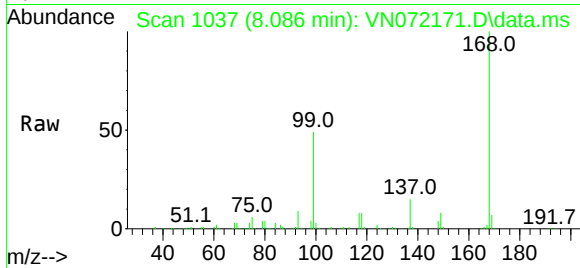




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

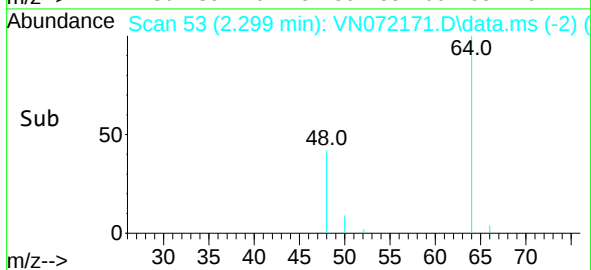
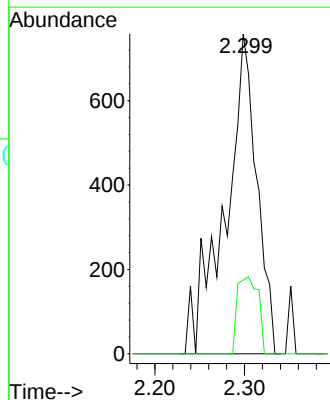
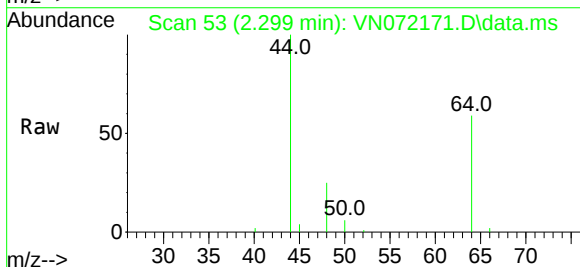
Instrument :
MSVOA_N
ClientSampleId :

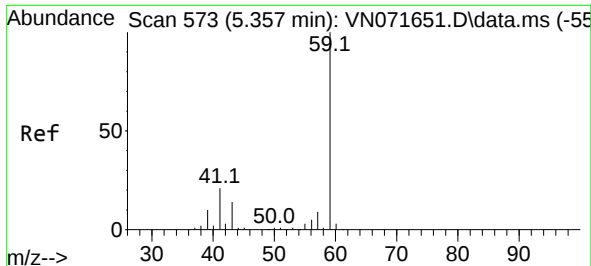
Tgt Ion:168 Resp: 624366
Ion Ratio Lower Upper
168 100
99 49.0 42.3 63.5



#3
Chloromethane
Concen: 0.296 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

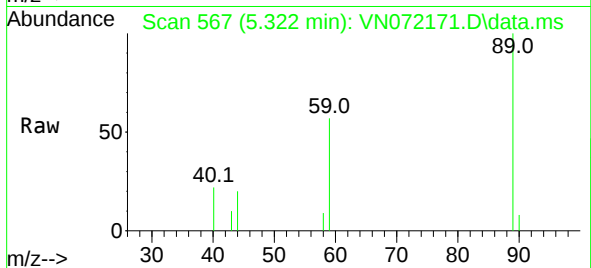
Tgt Ion: 50 Resp: 1863
Ion Ratio Lower Upper
50 100
52 23.1 25.7 38.5#



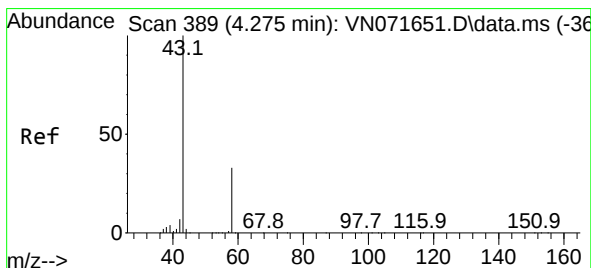
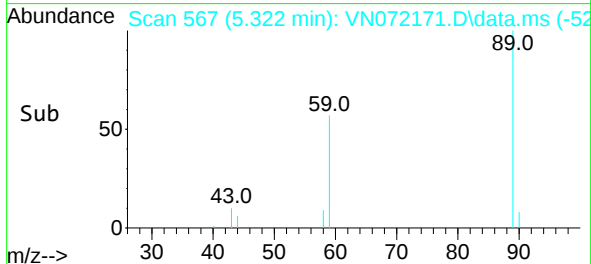
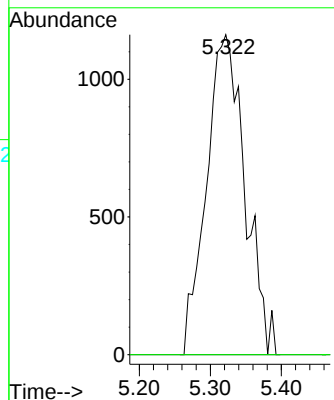


#11
Tert butyl alcohol
Concen: 3.790 ug/l
RT: 5.322 min Scan# 50
Delta R.T. -0.035 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

Instrument :
MSVOA_N
ClientSampleId :

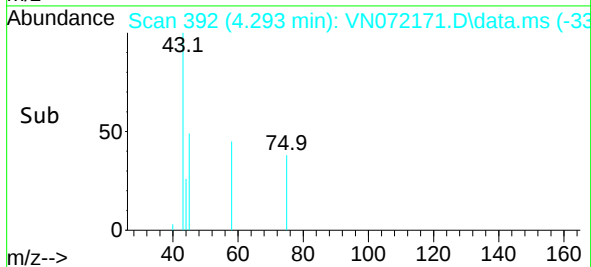
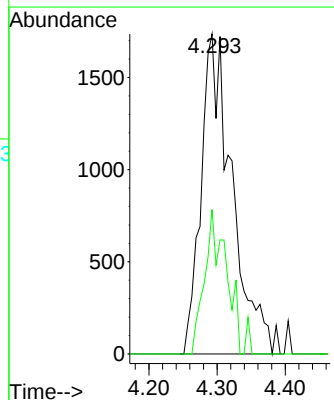
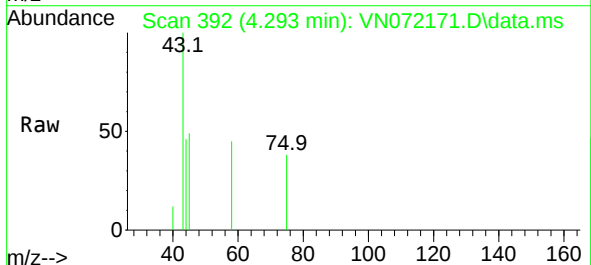


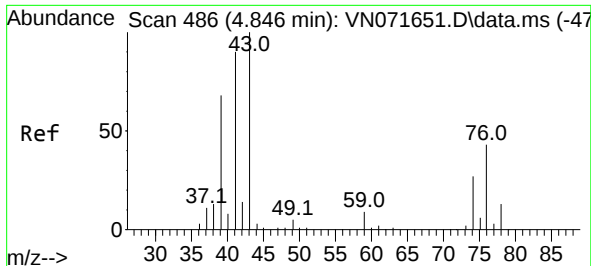
Tgt Ion: 59 Resp: 4384
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.811 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

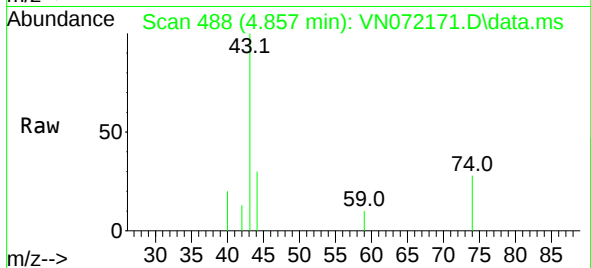
Tgt Ion: 43 Resp: 5517
Ion Ratio Lower Upper
43 100
58 45.2 26.0 39.0#



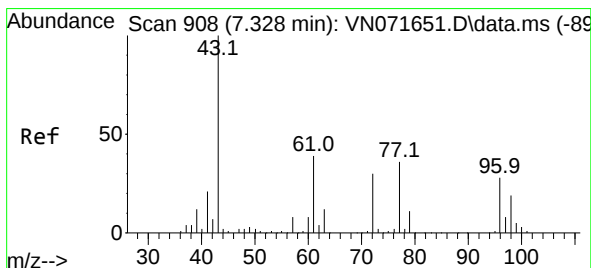
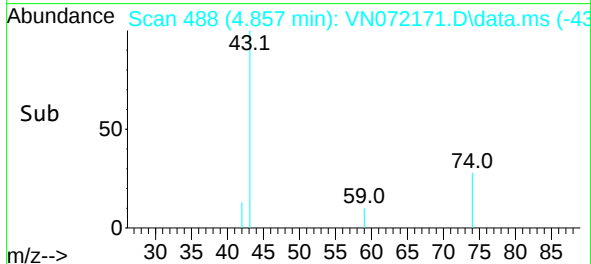
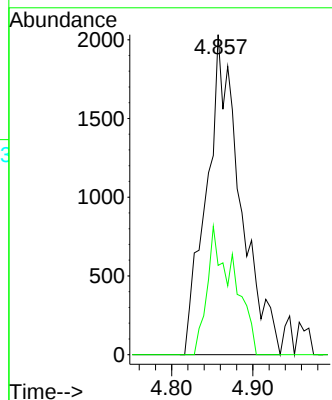


#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

Instrument :
MSVOA_N
ClientSampleId :

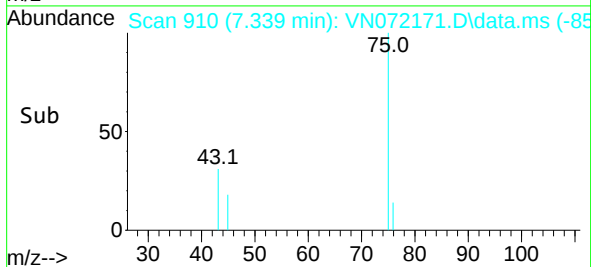
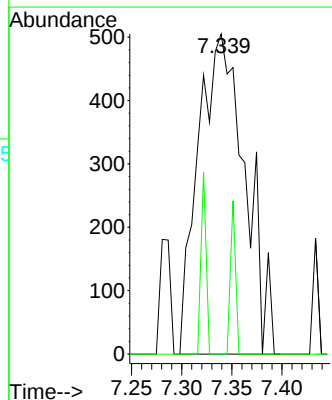
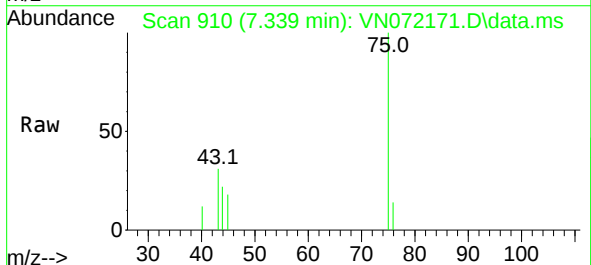


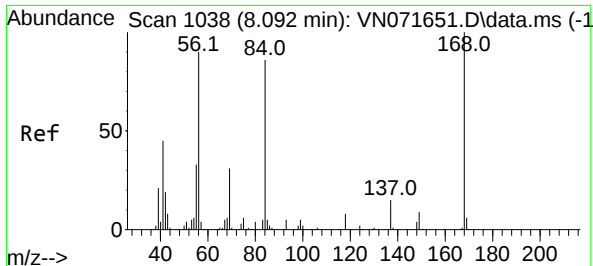
Tgt Ion: 43 Resp: 5890
Ion Ratio Lower Upper
43 100
74 31.1 21.6 32.4



#25
2-Butanone
Concen: 0.373 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

Tgt Ion: 43 Resp: 1638
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#31

Cyclohexane

Concen: 0.978 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

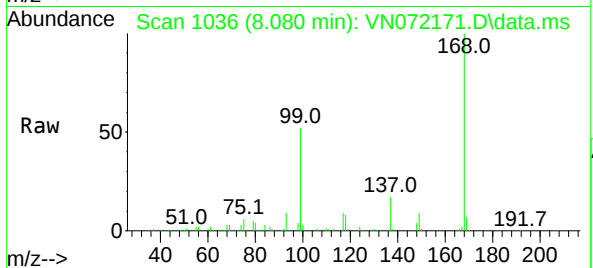
Lab File: VN072171.D

Acq: 22 Apr 2022 21:00

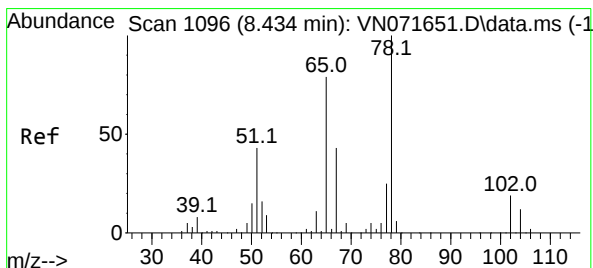
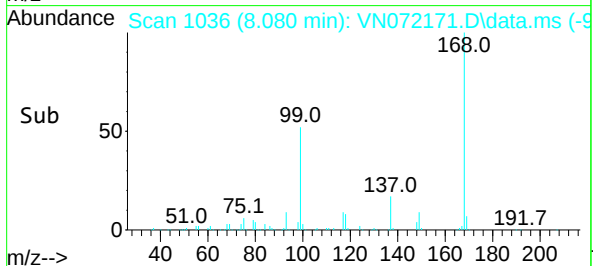
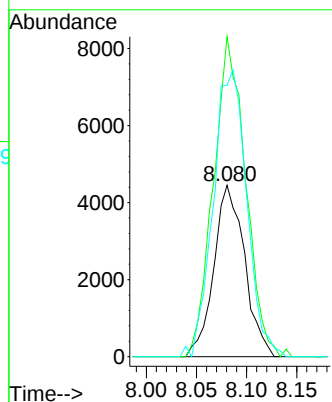
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	9485
Ion Ratio	Lower	Upper	
56	100		
69	186.8	27.8	41.8#
84	158.4	76.9	115.3#



#33

1,2-Dichloroethane-d4

Concen: 45.214 ug/l

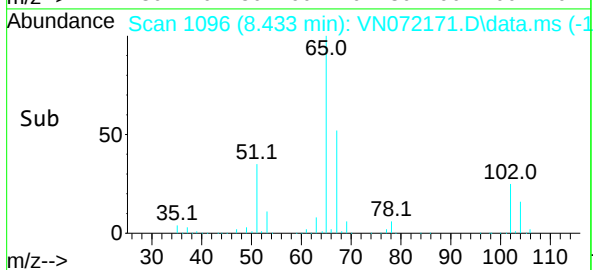
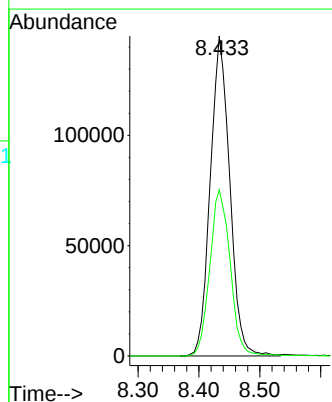
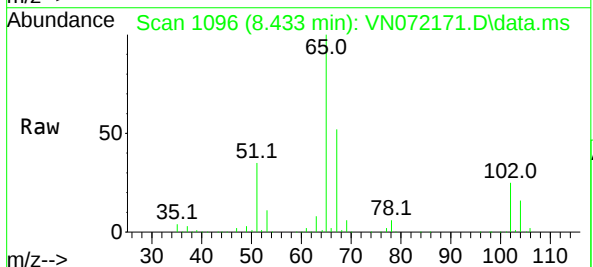
RT: 8.433 min Scan# 1096

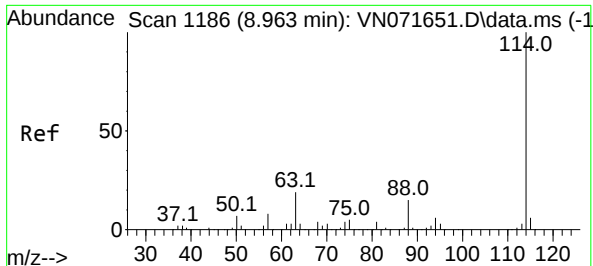
Delta R.T. -0.001 min

Lab File: VN072171.D

Acq: 22 Apr 2022 21:00

Tgt Ion:	65	Resp:	322280
Ion Ratio	Lower	Upper	
65	100		
67	53.8	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: VN072171.D

Acq: 22 Apr 2022 21:00

Instrument :

MSVOA_N

ClientSampleId :

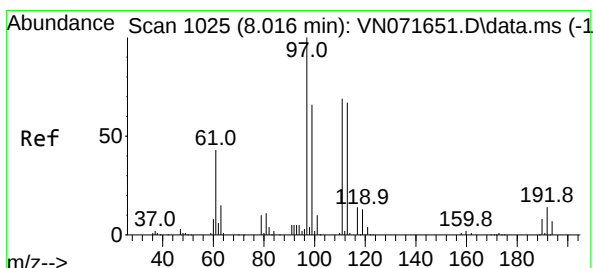
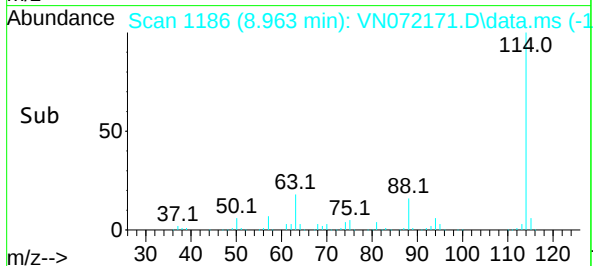
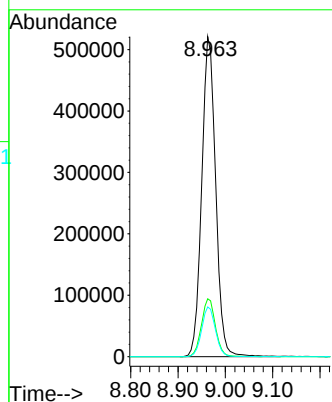
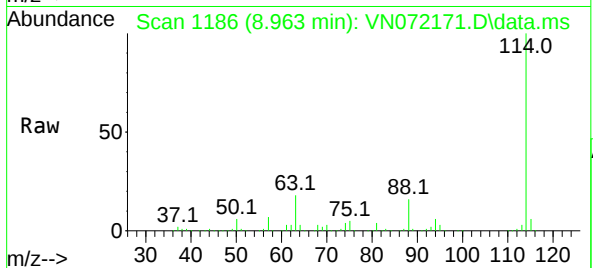
Tgt Ion:114 Resp: 1062835

Ion Ratio Lower Upper

114 100

63 18.1 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.109 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072171.D

Acq: 22 Apr 2022 21:00

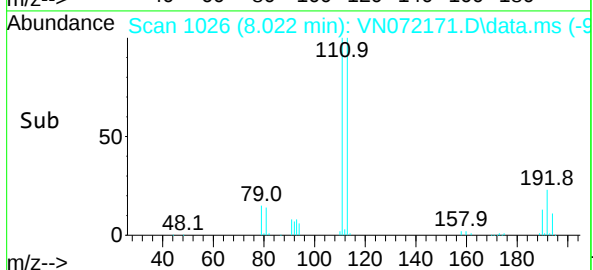
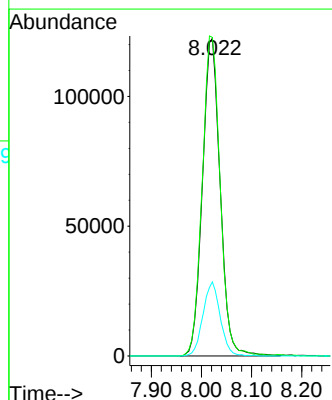
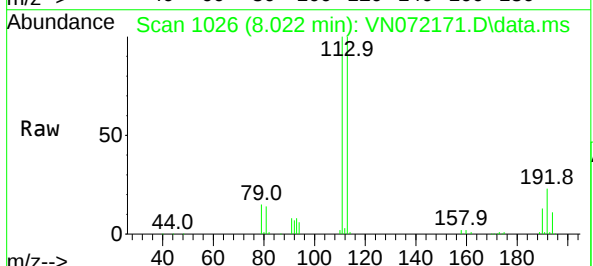
Tgt Ion:113 Resp: 300880

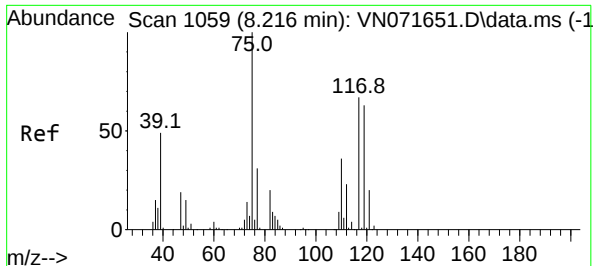
Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 22.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.424 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

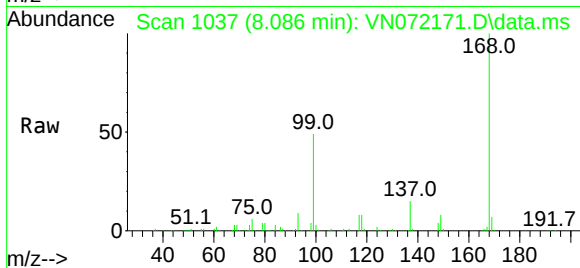
Lab File: VN072171.D

Acq: 22 Apr 2022 21:00

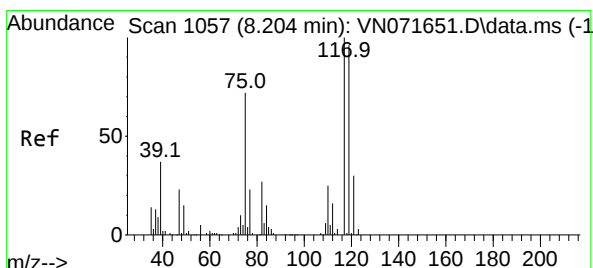
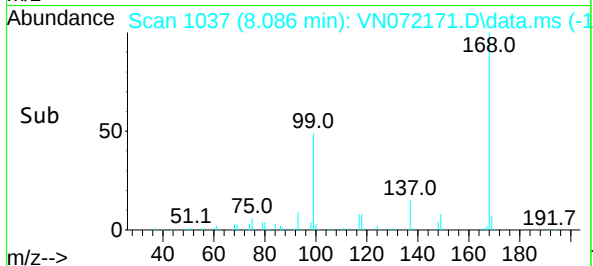
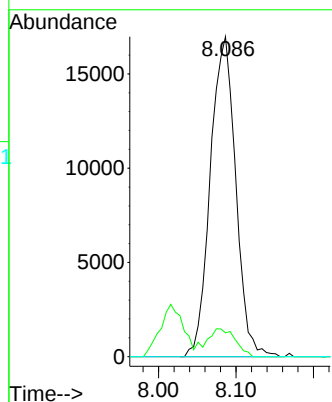
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 38639
Ion Ratio	Lower Upper
75	100
110	8.9 18.3 54.8#
77	0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.257 ug/l

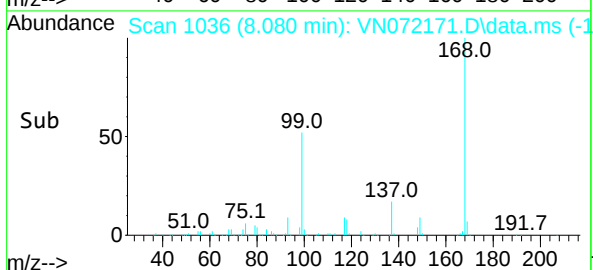
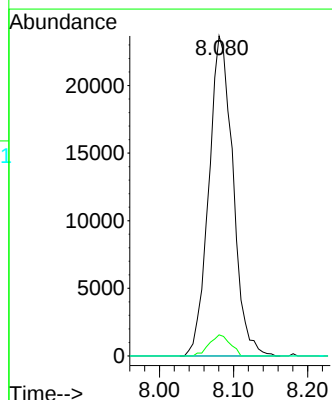
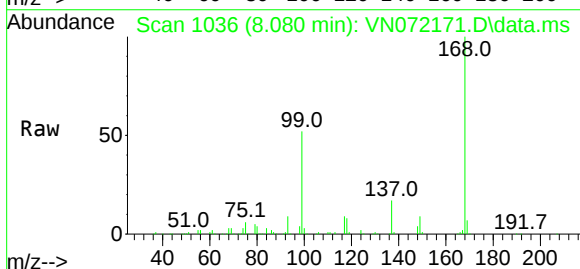
RT: 8.080 min Scan# 1036

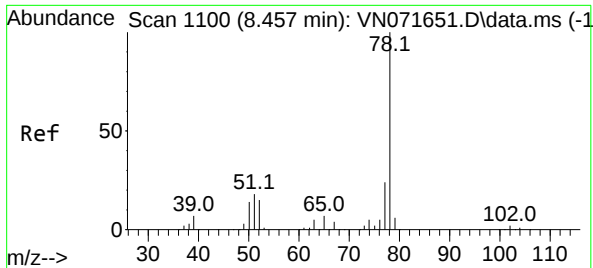
Delta R.T. -0.124 min

Lab File: VN072171.D

Acq: 22 Apr 2022 21:00

Tgt Ion: 117	Resp: 53553
Ion Ratio	Lower Upper
117	100
119	6.6 75.8 113.8#
121	0.0 24.6 37.0#

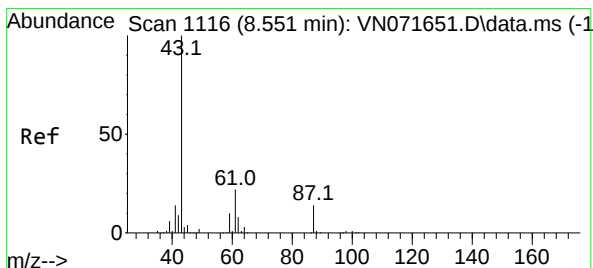
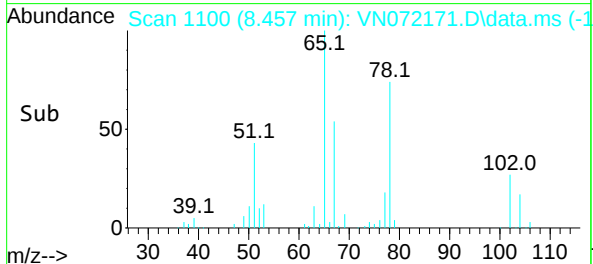
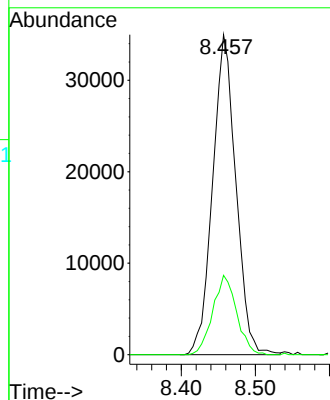
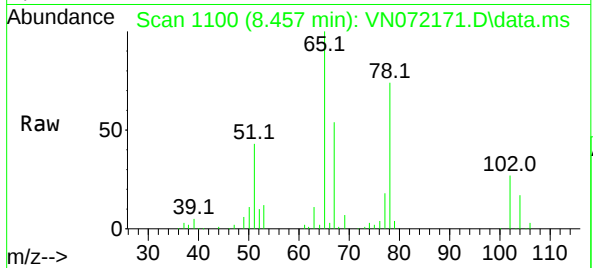




#40
Benzene
Concen: 2.761 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

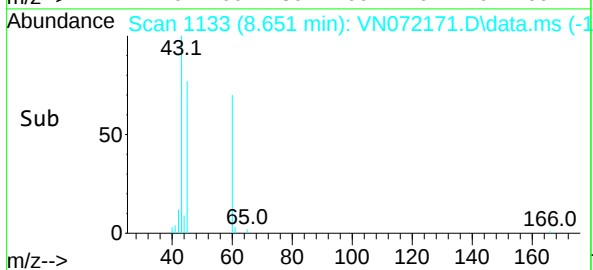
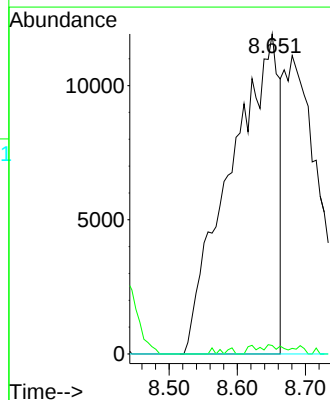
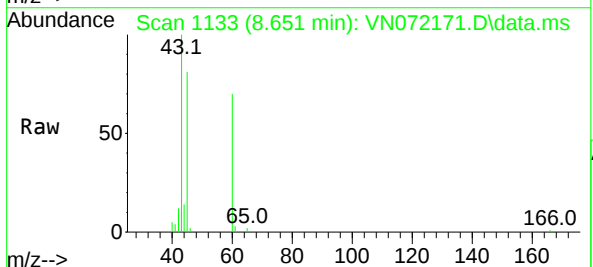
Instrument :
MSVOA_N
ClientSampleId :

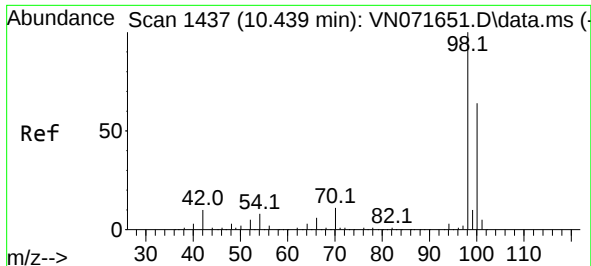
Tgt Ion: 78 Resp: 76171
Ion Ratio Lower Upper
78 100
77 24.8 19.4 29.0



#43
Isopropyl Acetate
Concen: 3.723 ug/l
RT: 8.651 min Scan# 1133
Delta R.T. 0.100 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

Tgt Ion: 43 Resp: 59198
Ion Ratio Lower Upper
43 100
61 0.9 21.9 32.9#
87 0.0 12.0 18.0#

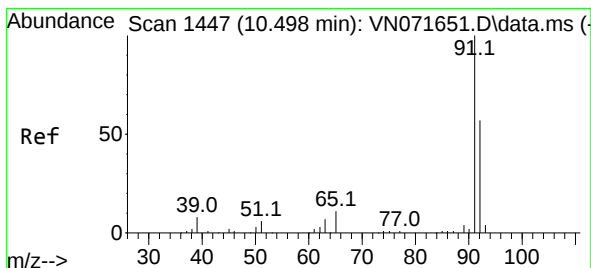
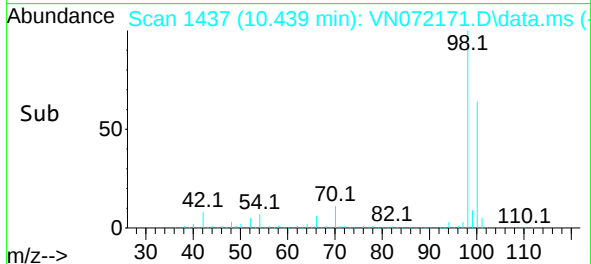
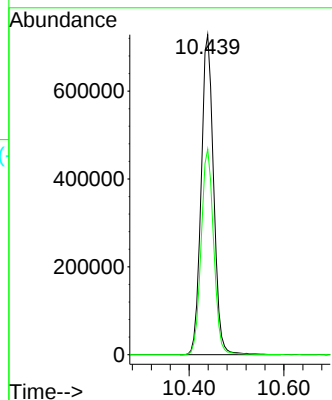
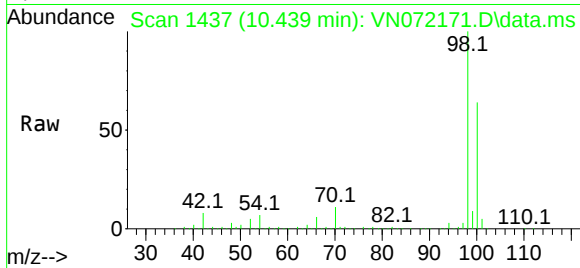




#50
Toluene-d8
Concen: 51.921 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

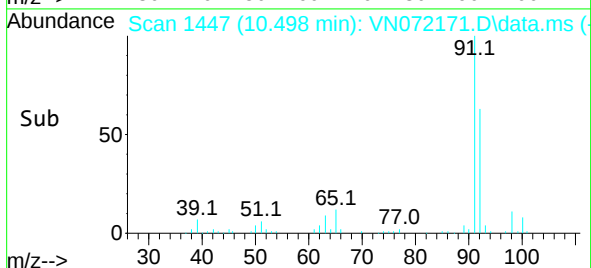
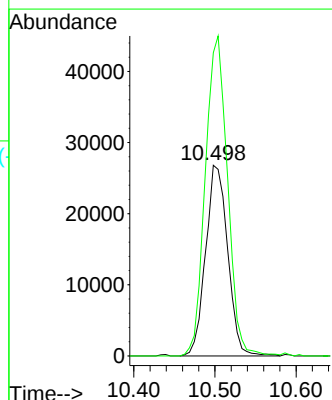
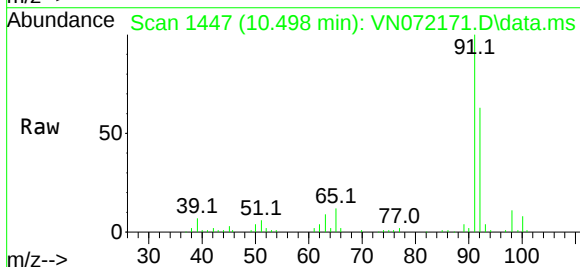
Instrument :
MSVOA_N
ClientSampleId :

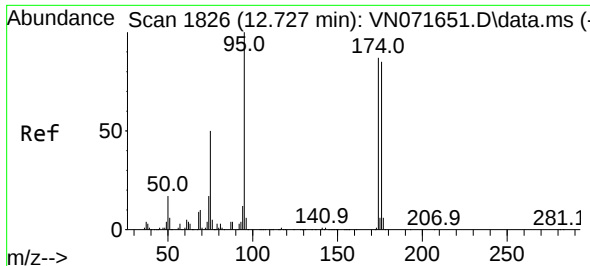
Tgt Ion: 98 Resp: 1328372
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#52
Toluene
Concen: 2.908 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

Tgt Ion: 92 Resp: 50719
Ion Ratio Lower Upper
92 100
91 168.5 138.6 207.8

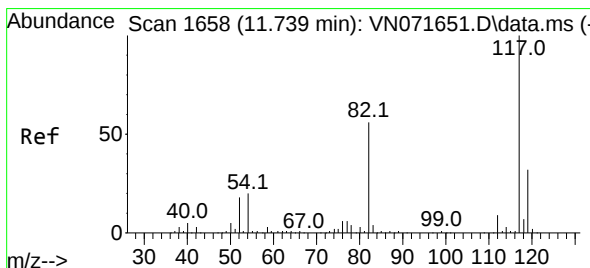
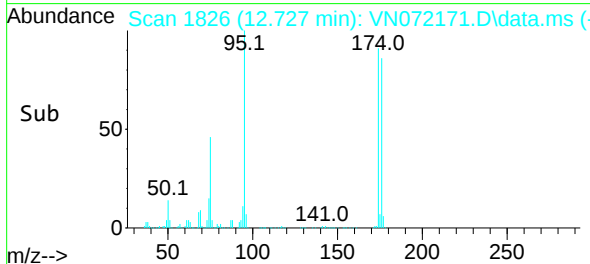
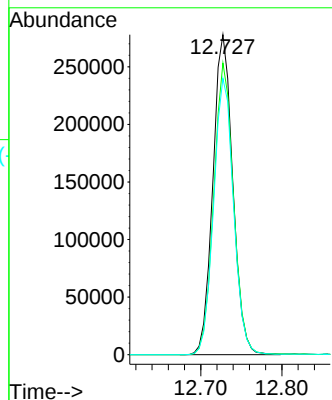
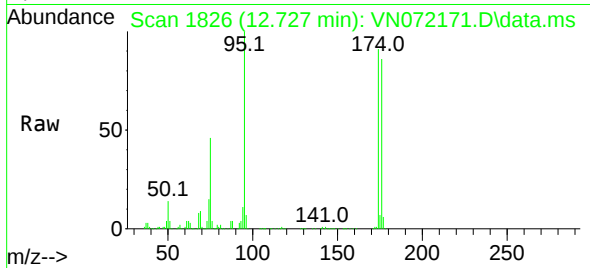




#62
4-Bromofluorobenzene
Concen: 57.116 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

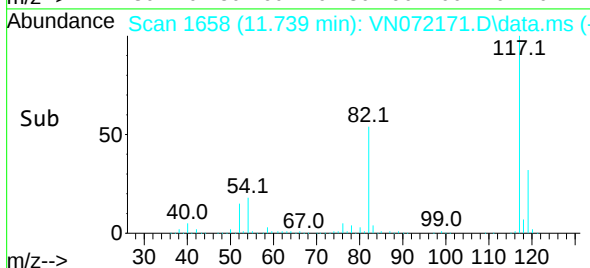
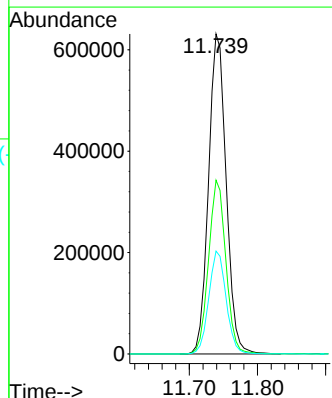
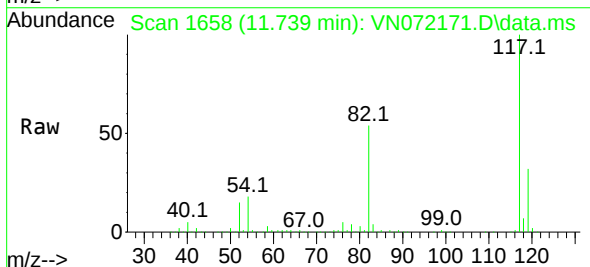
Instrument :
MSVOA_N
ClientSampleId :

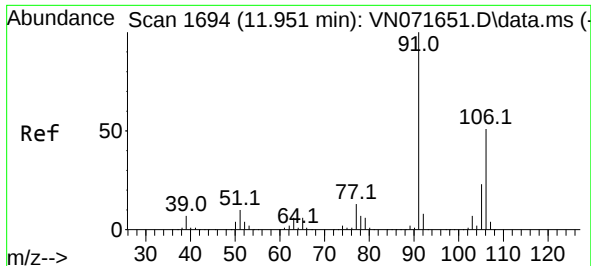
Tgt Ion: 95 Resp: 472603
Ion Ratio Lower Upper
95 100
174 90.4 0.0 167.6
176 86.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

Tgt Ion: 117 Resp: 1135399
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 32.2 25.4 38.0

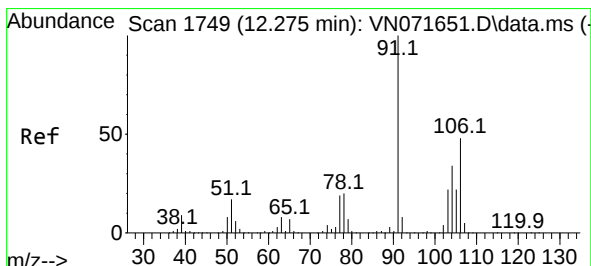
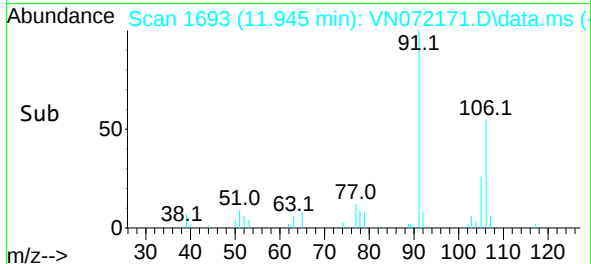
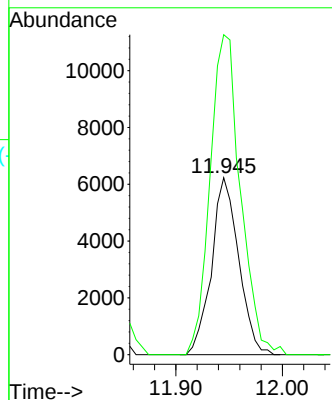
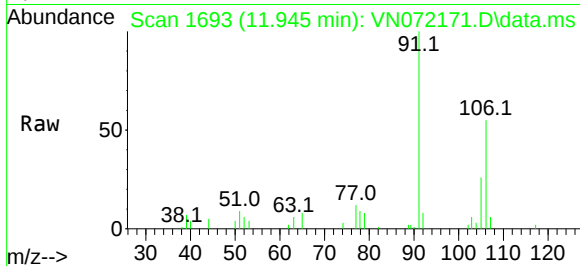




#68
m/p-Xylenes
Concen: 0.747 ug/l
RT: 11.945 min Scan# 1694
Delta R.T. -0.006 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

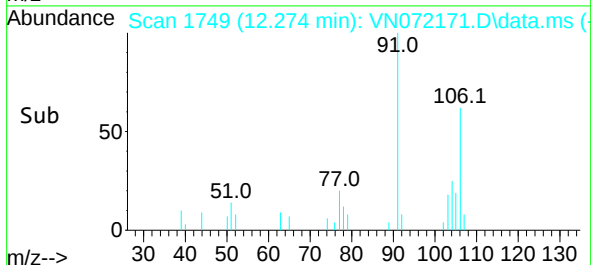
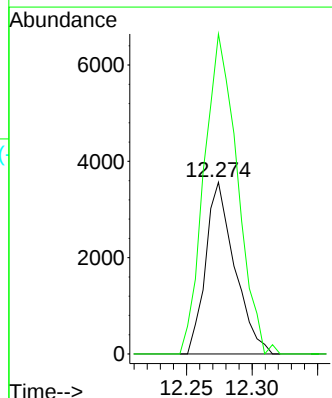
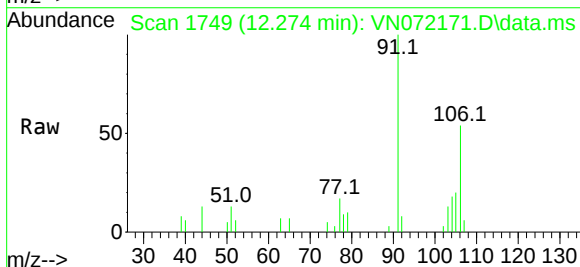
Instrument :
MSVOA_N
ClientSampleId :

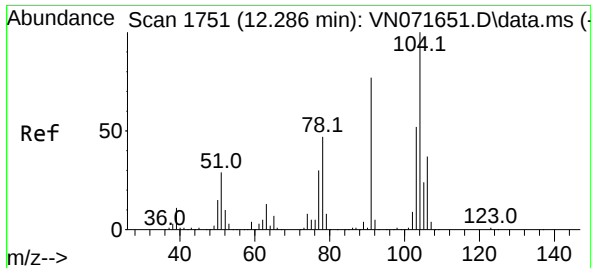
Tgt Ion:106 Resp: 11048
Ion Ratio Lower Upper
106 100
91 202.2 158.9 238.3



#69
o-Xylene
Concen: 0.374 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

Tgt Ion:106 Resp: 5489
Ion Ratio Lower Upper
106 100
91 213.2 106.0 318.0

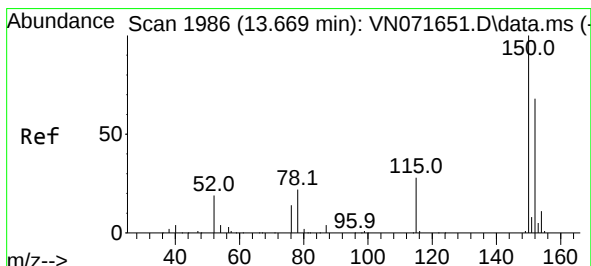
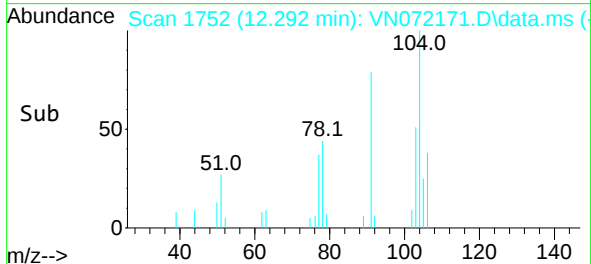
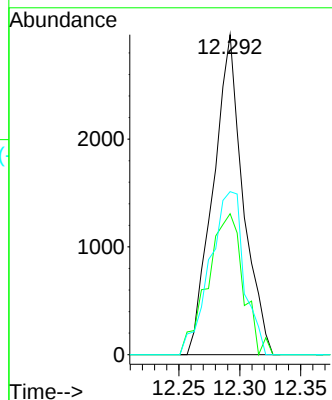
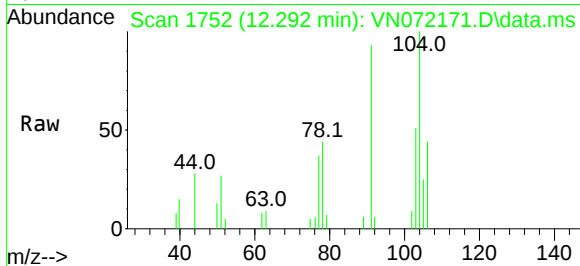




#70
Styrene
Concen: 0.228 ug/l
RT: 12.292 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

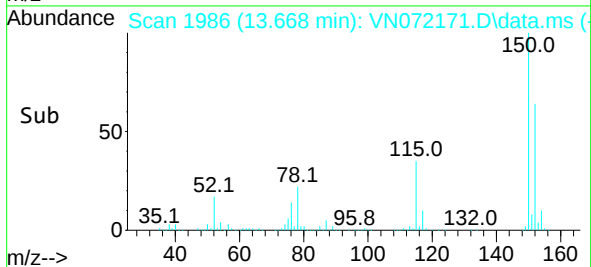
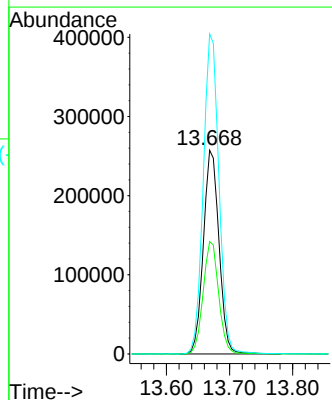
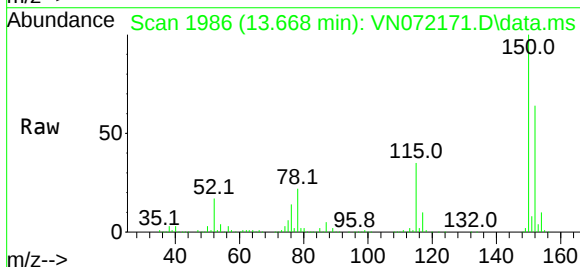
Instrument :
MSVOA_N
ClientSampleId :

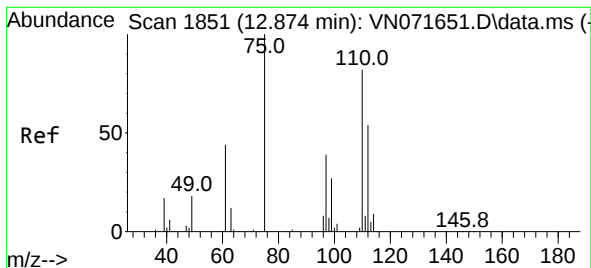
Tgt Ion:104 Resp: 5071
Ion Ratio Lower Upper
104 100
78 52.3 39.5 59.3
103 58.5 44.0 66.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072171.D
Acq: 22 Apr 2022 21:00

Tgt Ion:152 Resp: 443708
Ion Ratio Lower Upper
152 100
115 55.0 28.9 86.7
150 157.3 0.0 356.2





#76

1,2,3-Trichloropropane

Concen: 21.386 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN072171.D

Acq: 22 Apr 2022 21:00

Instrument :

MSVOA_N

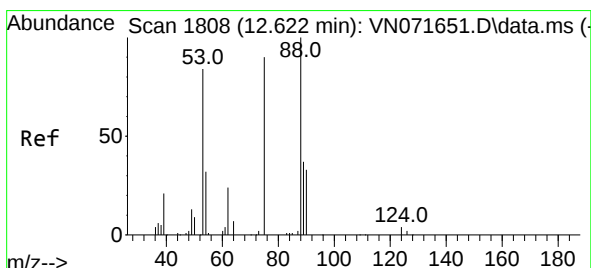
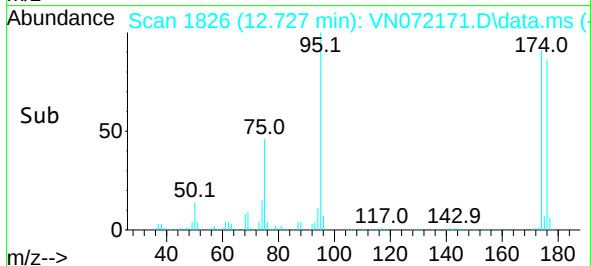
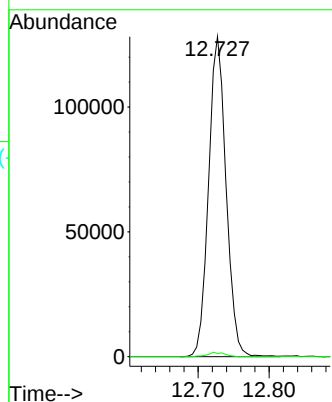
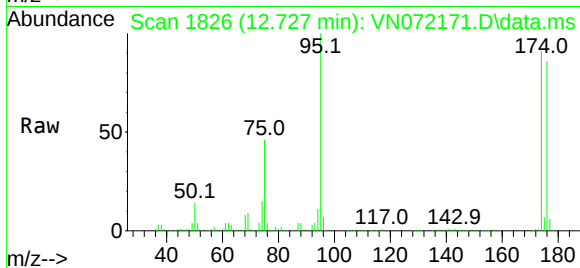
ClientSampleId :

Tgt Ion: 75 Resp: 219828

Ion Ratio Lower Upper

75 100

77 1.3 98.5 295.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.276 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.105 min

Lab File: VN072171.D

Acq: 22 Apr 2022 21:00

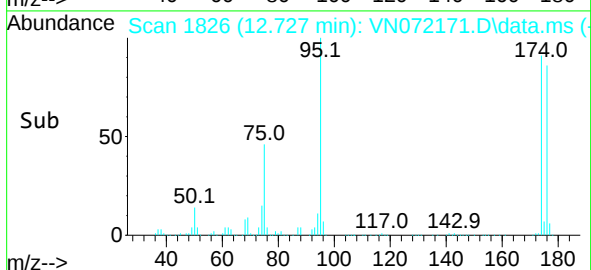
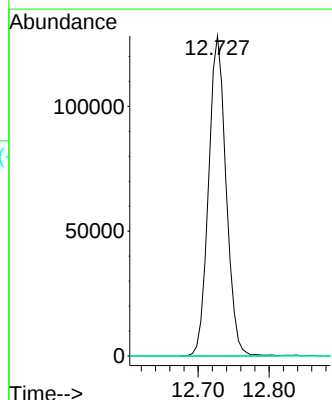
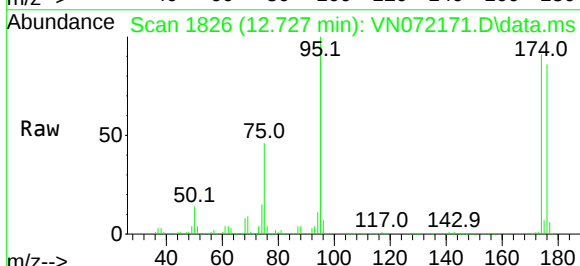
Tgt Ion: 75 Resp: 219828

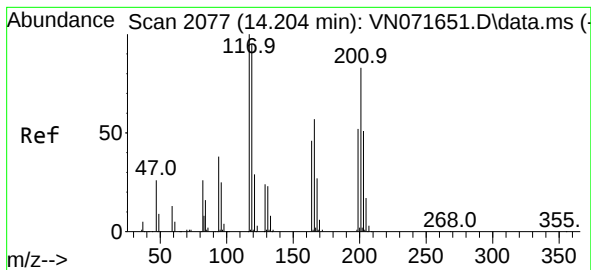
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 37.2 55.8#





#90

Hexachloroethane

Concen: 0.301 ug/l

RT: 14.051 min Scan# 2051

Delta R.T. -0.153 min

Lab File: VN072171.D

Acq: 22 Apr 2022 21:00

Instrument :

MSVOA_N

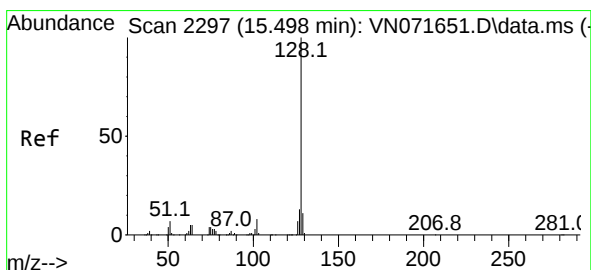
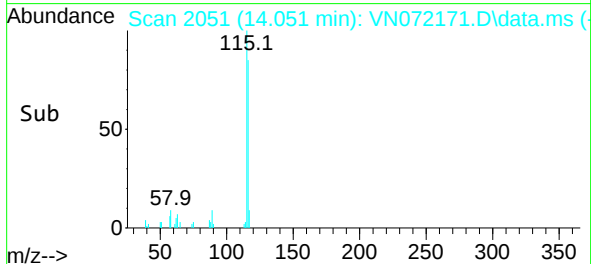
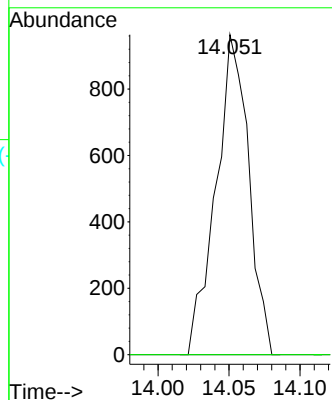
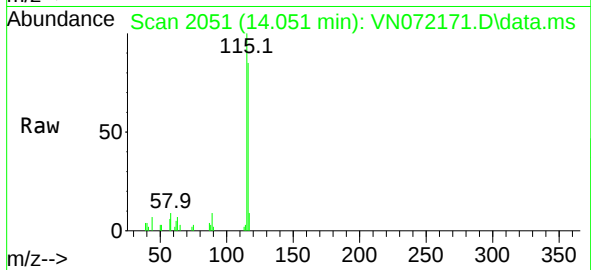
ClientSampleId :

Tgt Ion:117 Resp: 1544

Ion Ratio Lower Upper

117 100

201 0.0 40.6 122.0#



#95

Naphthalene

Concen: 4.886 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VN072171.D

Acq: 22 Apr 2022 21:00

Tgt Ion:128 Resp: 23688

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 11.7 8.6 13.0

