

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042222\
 Data File : VN072153.D
 Acq On : 22 Apr 2022 13:46
 Operator : JC\MD
 Sample : N2482-19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 03:16:20 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

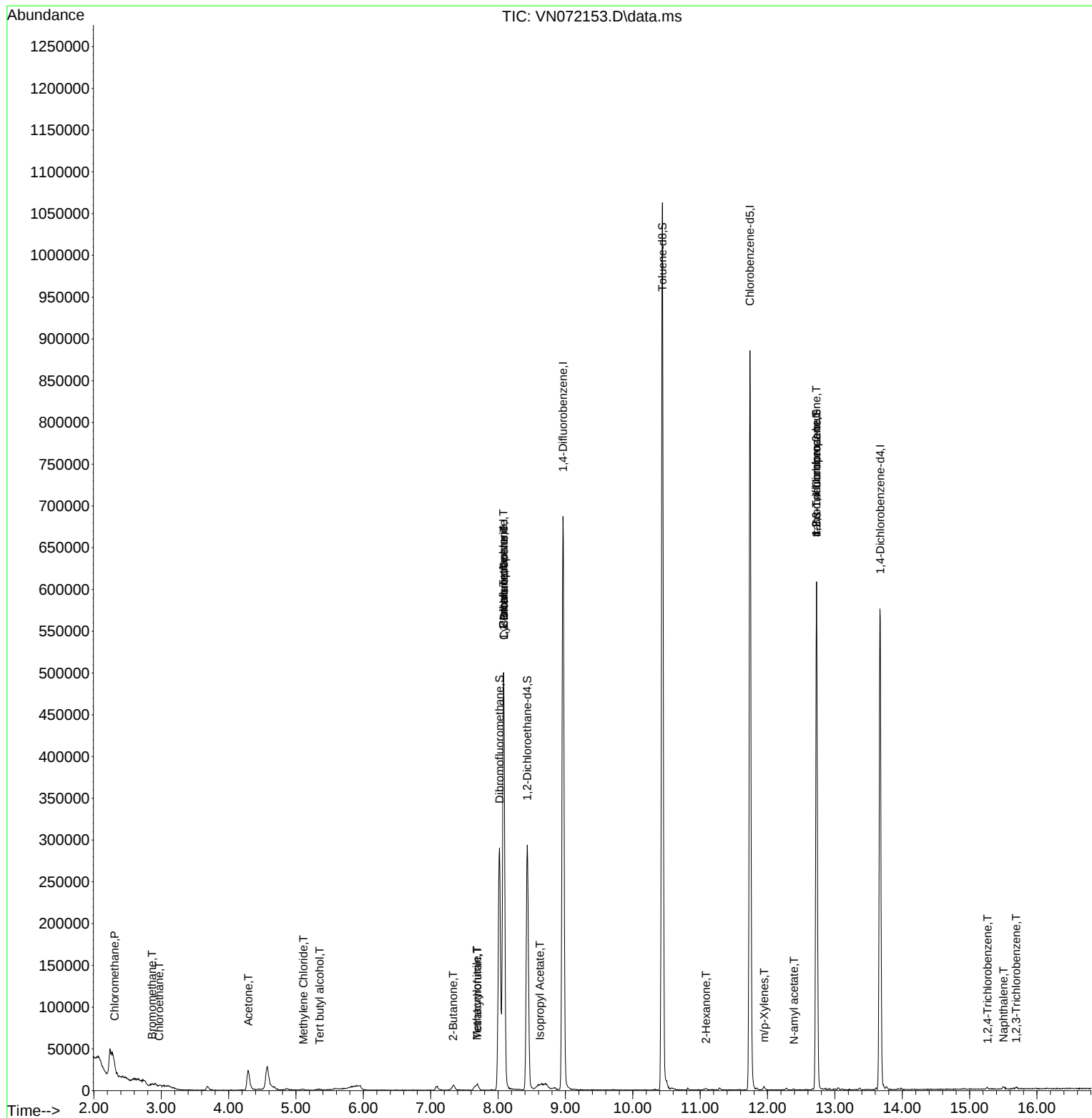
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.080	168	423275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	662553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	562089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	183380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	245836	50.875	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 101.740%		
35) Dibromofluoromethane	8.022	113	218560	56.059	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 112.120%		
50) Toluene-d8	10.439	98	777868	48.773	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 97.540%		
62) 4-Bromofluorobenzene	12.727	95	215638	41.806	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 83.620%		
Target Compounds						Qvalue
3) Chloromethane	2.310	50	1670	0.392	ug/l #	43
5) Bromomethane	2.863	94	1603	0.527	ug/l	84
6) Chloroethane	2.969	64	761	0.226	ug/l #	42
11) Tert butyl alcohol	5.351	59	1064	1.357	ug/l #	88
16) Acetone	4.292	43	41749	20.216	ug/l	97
18) Methyl Acetate	4.857	43	3991	Below Cal	#	64
20) Methylene Chloride	5.110	84	1201	0.276	ug/l #	61
25) 2-Butanone	7.333	43	10649	3.577	ug/l	97
29) Tetrahydrofuran	7.692	42	4589	2.381	ug/l	91
31) Cyclohexane	8.086	56	6250	0.951	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	25941	4.765	ug/l #	48
38) Carbon Tetrachloride	8.080	117	36646	6.868	ug/l #	15
41) Methacrylonitrile	7.686	41	3853	1.321	ug/l #	25
43) Isopropyl Acetate	8.622	43	9781	0.987	ug/l #	53
59) 2-Hexanone	11.086	43	1148	0.286	ug/l	79
68) m/p-Xylenes	11.951	106	1763	0.241	ug/l	89
74) N-amyl acetate	12.392	43	908	0.205	ug/l #	69
76) 1,2,3-Trichloropropane	12.727	75	102436	24.113	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	102436	74.726	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.268	180	986	2.410	ug/l	96
95) Naphthalene	15.503	128	4061	4.252	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.692	180	1067	2.773	ug/l	89

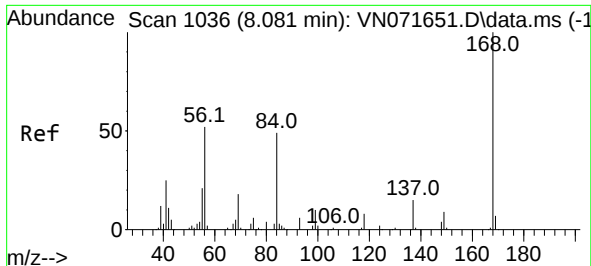
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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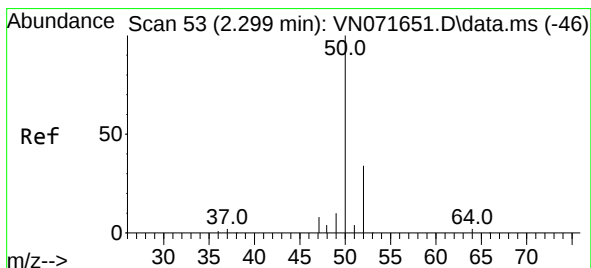
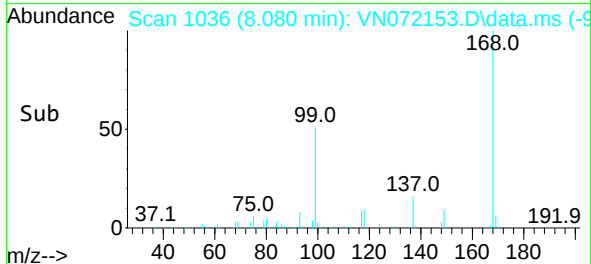
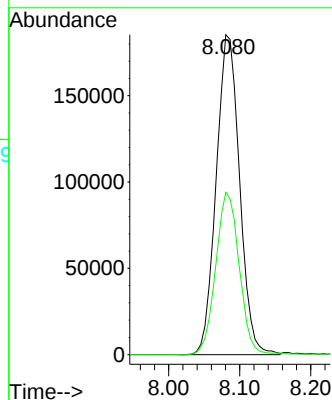
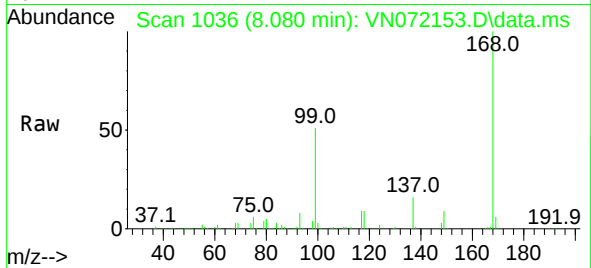




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

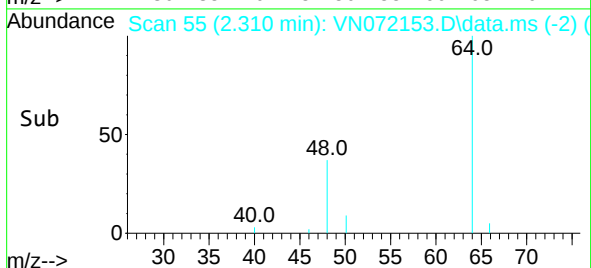
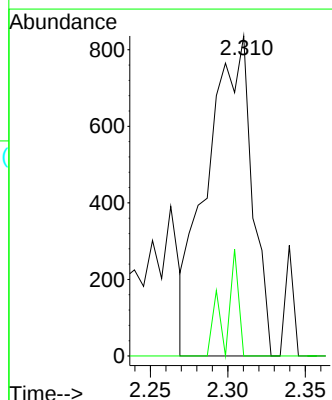
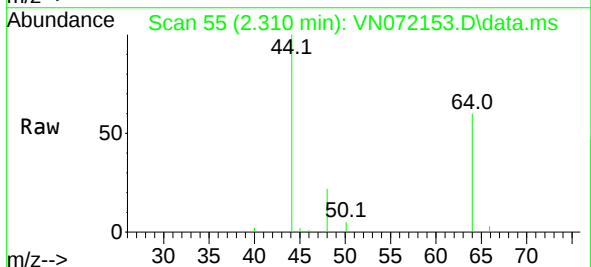
Instrument :
MSVOA_N
ClientSampleId :

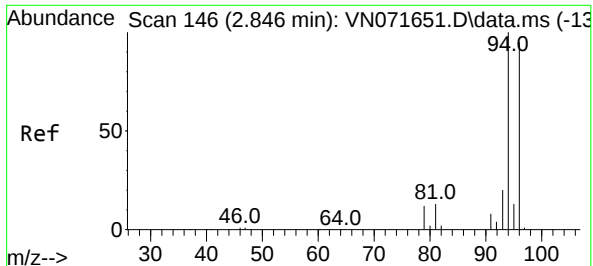
Tgt Ion:168 Resp: 423275
Ion Ratio Lower Upper
168 100
99 50.8 42.3 63.5



#3
Chloromethane
Concen: 0.392 ug/l
RT: 2.310 min Scan# 55
Delta R.T. 0.011 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

Tgt Ion: 50 Resp: 1670
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

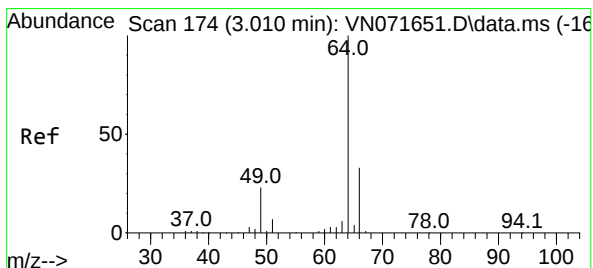
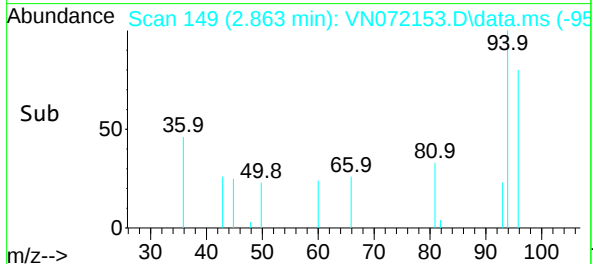
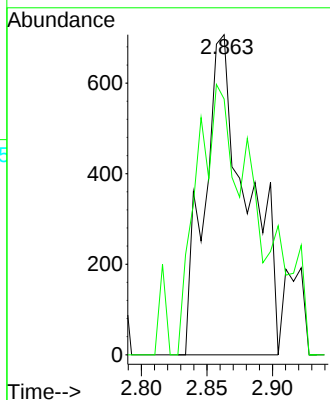
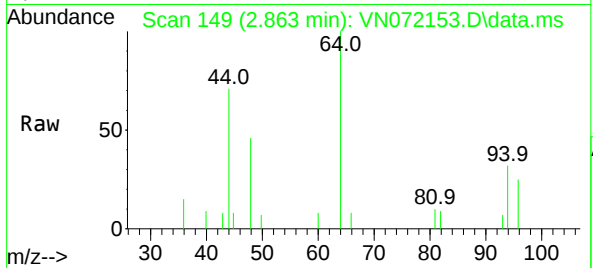




#5
Bromomethane
Concen: 0.527 ug/l
RT: 2.863 min Scan# 146
Delta R.T. 0.017 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

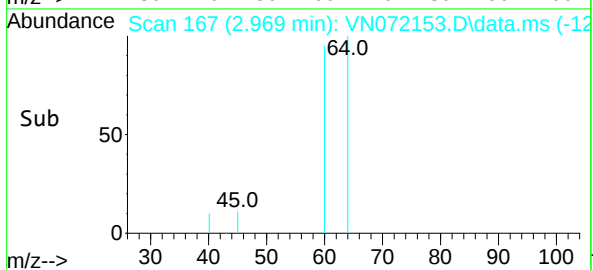
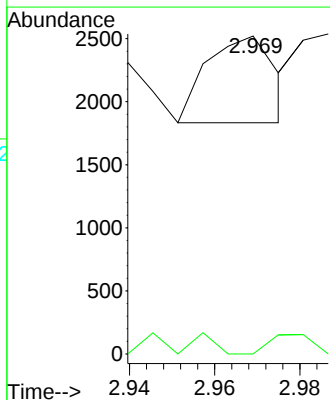
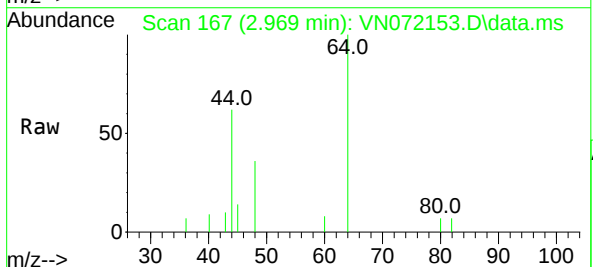
Instrument :
MSVOA_N
ClientSampleId :

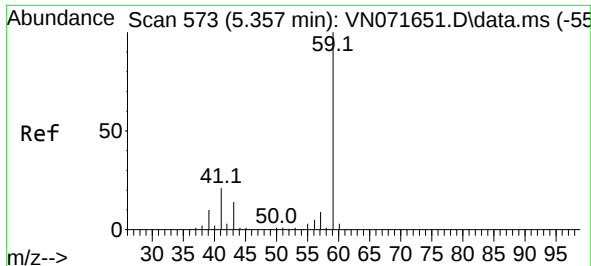
Tgt Ion: 94 Resp: 1603
Ion Ratio Lower Upper
94 100
96 79.9 76.0 114.0



#6
Chloroethane
Concen: 0.226 ug/l
RT: 2.969 min Scan# 167
Delta R.T. -0.041 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

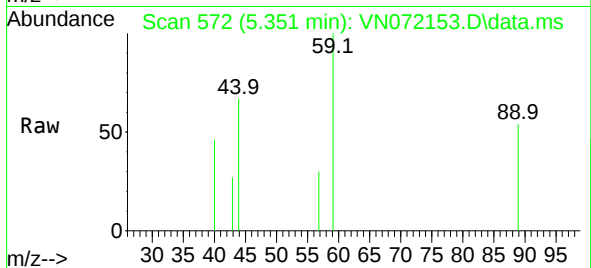
Tgt Ion: 64 Resp: 761
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



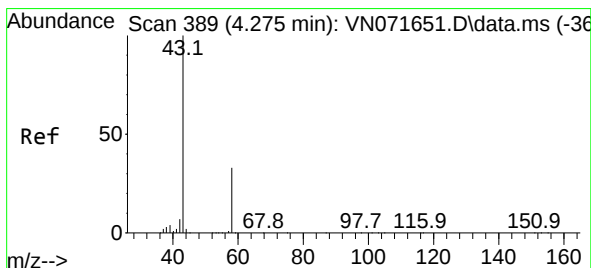
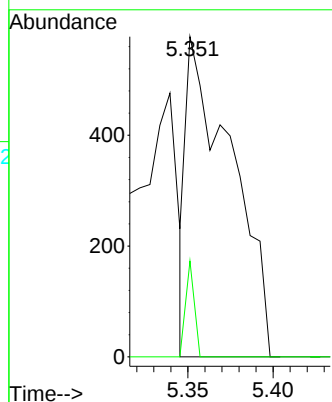
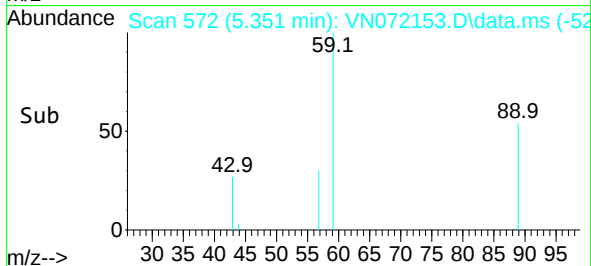


#11
Tert butyl alcohol
Concen: 1.357 ug/l
RT: 5.351 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

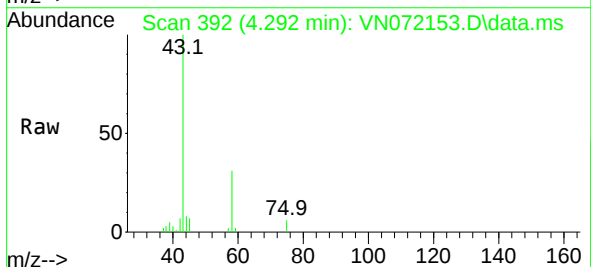
Instrument :
MSVOA_N
ClientSampleId :



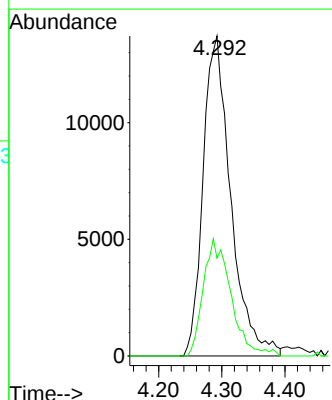
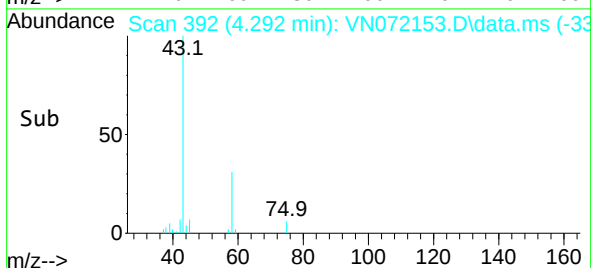
Tgt Ion: 59 Resp: 1064
Ion Ratio Lower Upper
59 100
57 5.7 8.3 12.5#

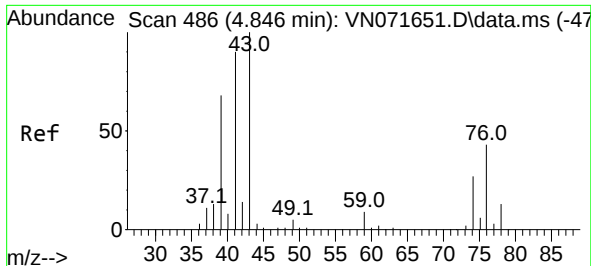


#16
Acetone
Concen: 20.216 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.017 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46



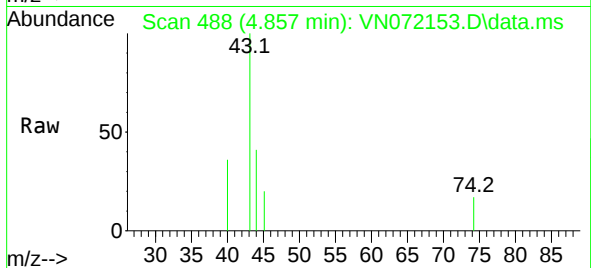
Tgt Ion: 43 Resp: 41749
Ion Ratio Lower Upper
43 100
58 30.6 26.0 39.0



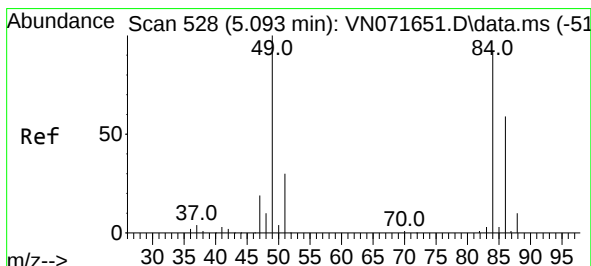
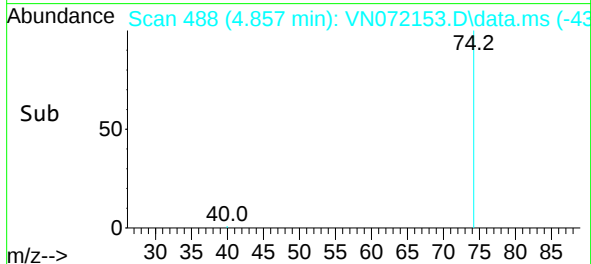
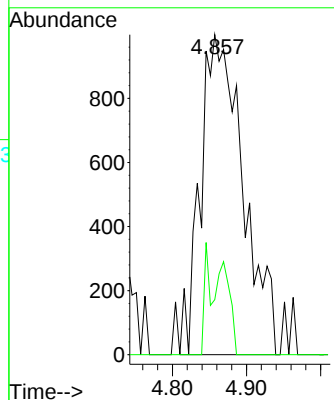


#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

Instrument :
MSVOA_N
ClientSampleId :

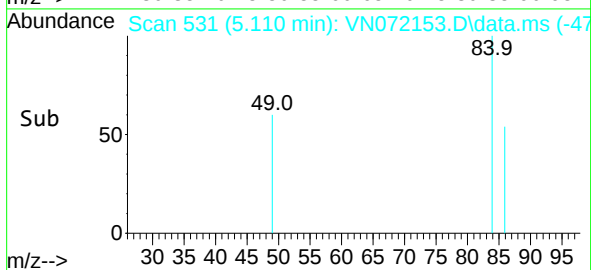
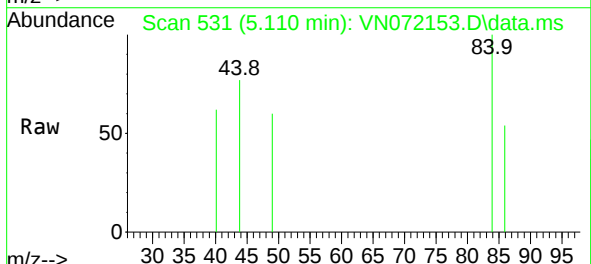
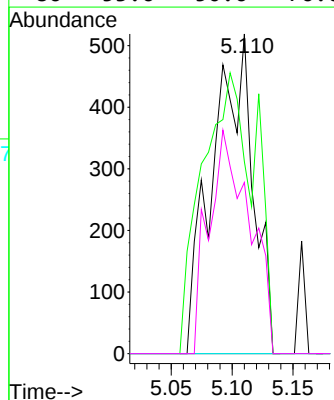


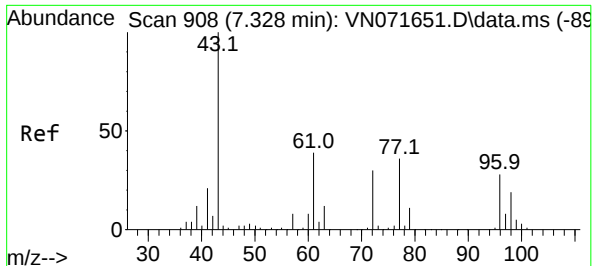
Tgt Ion: 43 Resp: 3991
Ion Ratio Lower Upper
43 100
74 8.1 21.6 32.4#



#20
Methylene Chloride
Concen: 0.276 ug/l
RT: 5.110 min Scan# 531
Delta R.T. 0.017 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

Tgt Ion: 84 Resp: 1201
Ion Ratio Lower Upper
84 100
49 60.1 88.3 132.5#
51 0.0 28.2 42.2#
86 53.6 50.6 76.0





#25

2-Butanone

Concen: 3.577 ug/l

RT: 7.333 min Scan# 90

Delta R.T. 0.005 min

Lab File: VN072153.D

Acq: 22 Apr 2022 13:46

Instrument :

MSVOA_N

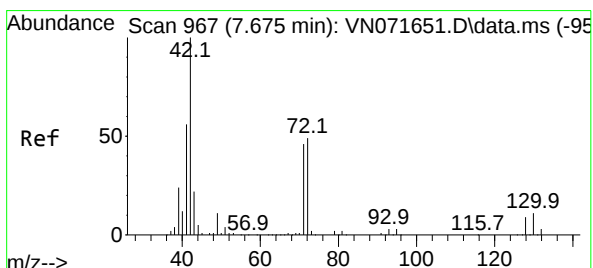
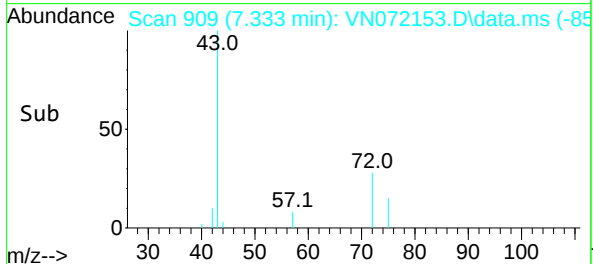
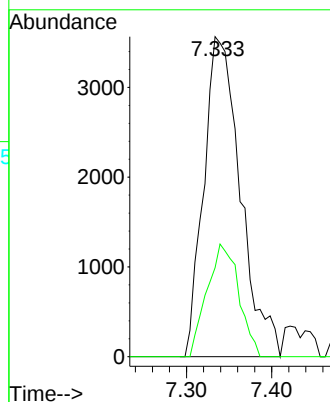
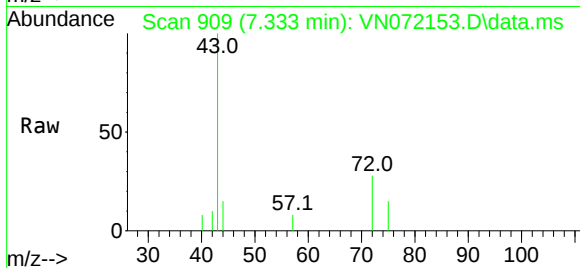
ClientSampleId :

Tgt Ion: 43 Resp: 10649

Ion Ratio Lower Upper

43 100

72 27.8 23.7 35.5



#29

Tetrahydrofuran

Concen: 2.381 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.017 min

Lab File: VN072153.D

Acq: 22 Apr 2022 13:46

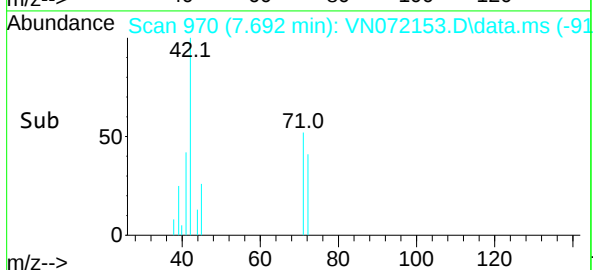
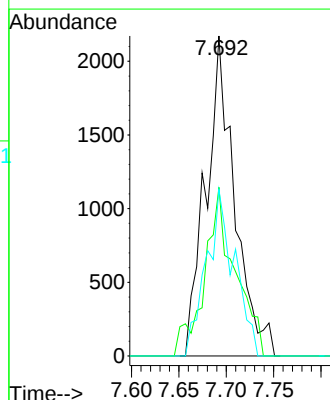
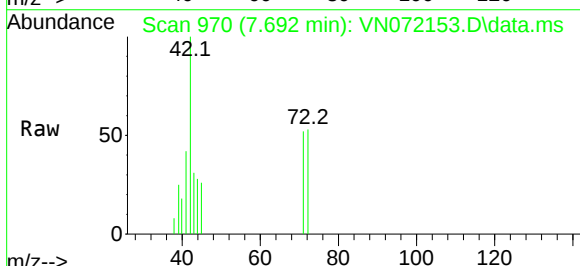
Tgt Ion: 42 Resp: 4589

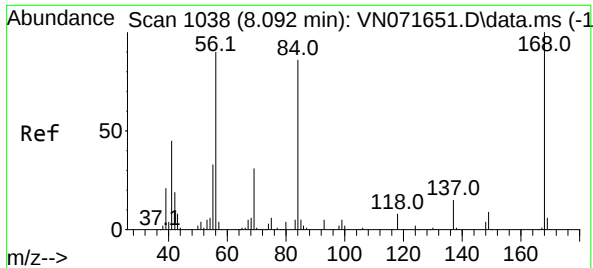
Ion Ratio Lower Upper

42 100

72 56.0 39.7 59.5

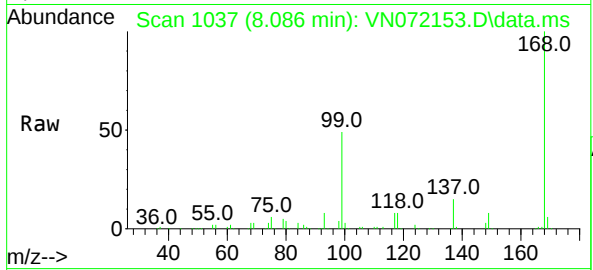
71 50.8 36.6 55.0



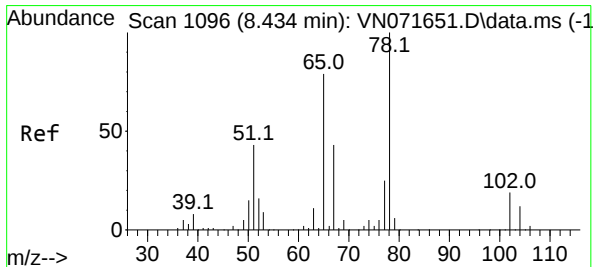
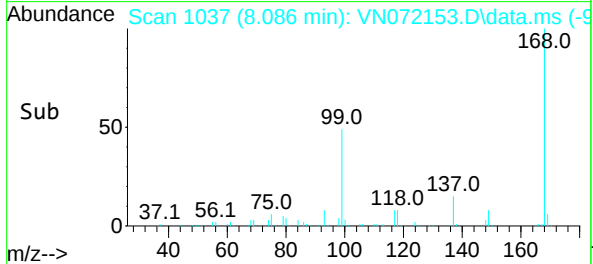
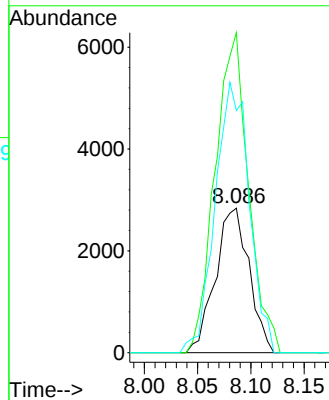


#31
Cyclohexane
Concen: 0.951 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

Instrument :
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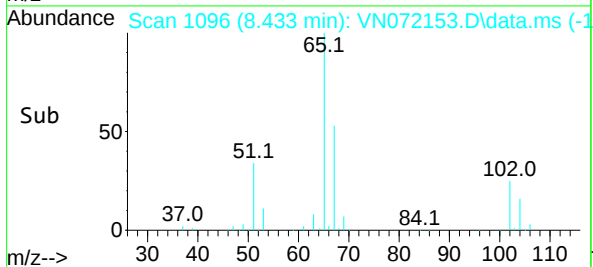
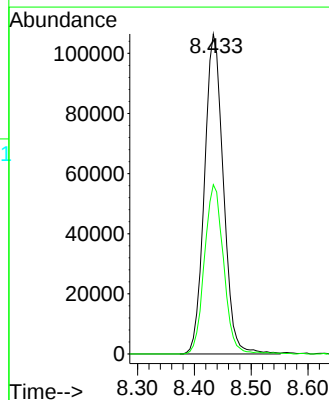
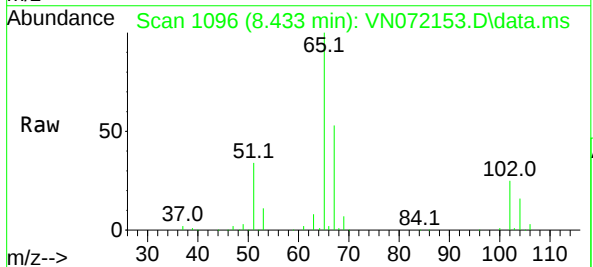


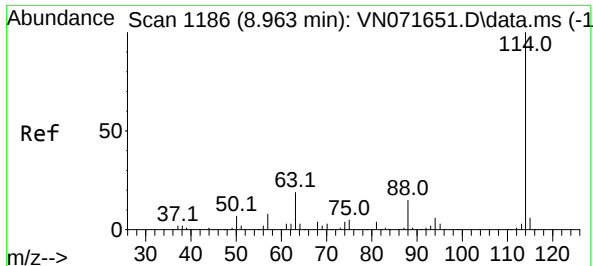
Tgt Ion: 56 Resp: 6250
Ion Ratio Lower Upper
56 100
69 221.5 27.8 41.8#
84 167.6 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 50.875 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

Tgt Ion: 65 Resp: 245836
Ion Ratio Lower Upper
65 100
67 53.7 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: VN072153.D

Acq: 22 Apr 2022 13:46

Instrument :

MSVOA_N

ClientSampleId :

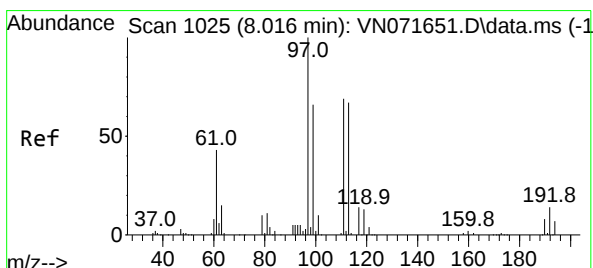
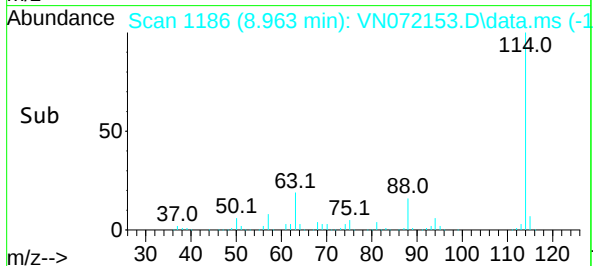
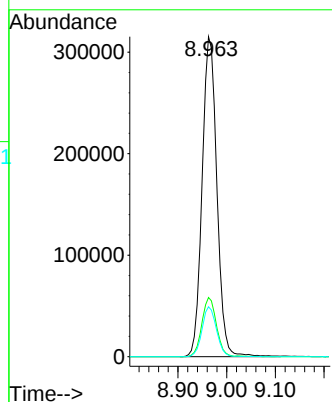
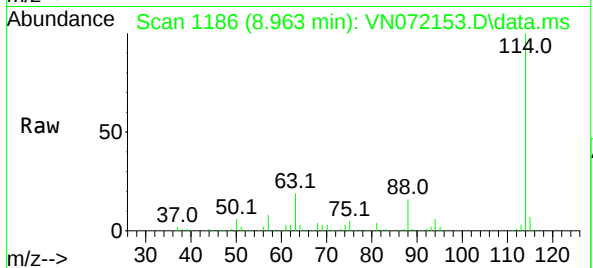
Tgt Ion:114 Resp: 662553

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

88 15.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 56.059 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072153.D

Acq: 22 Apr 2022 13:46

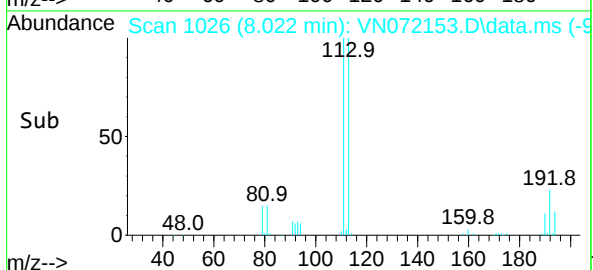
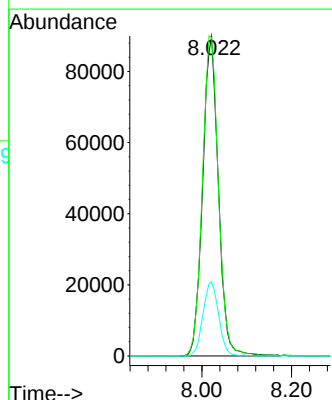
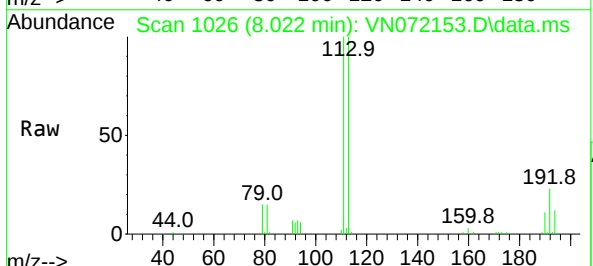
Tgt Ion:113 Resp: 218560

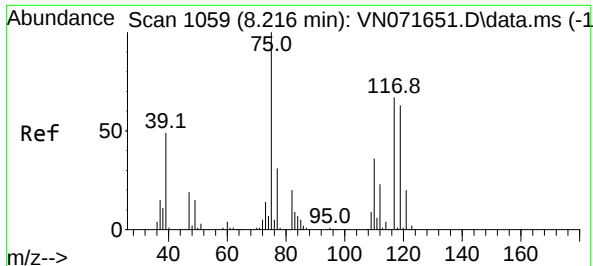
Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

192 23.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.765 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

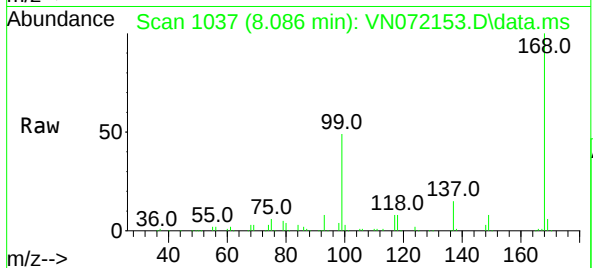
Lab File: VN072153.D

Acq: 22 Apr 2022 13:46

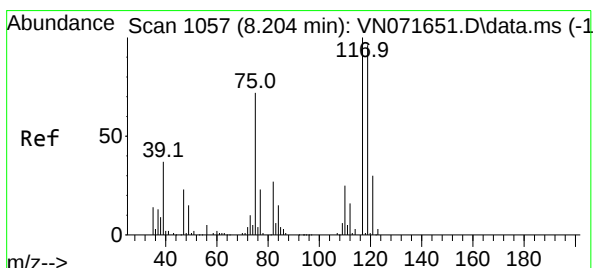
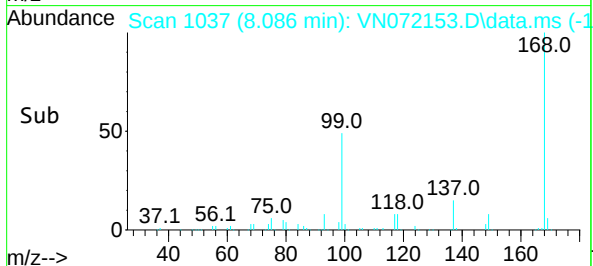
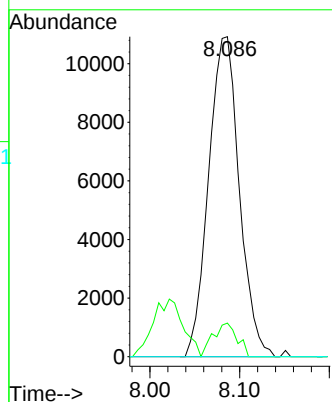
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 25941
Ion Ratio	Lower Upper
75	100
110	8.2 18.3 54.8#
77	0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.868 ug/l

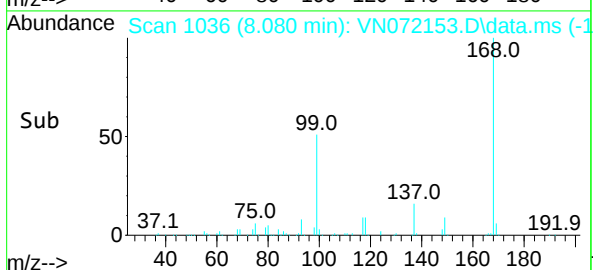
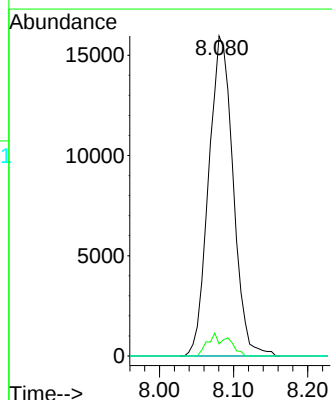
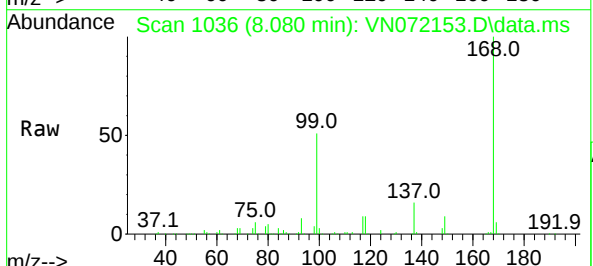
RT: 8.080 min Scan# 1036

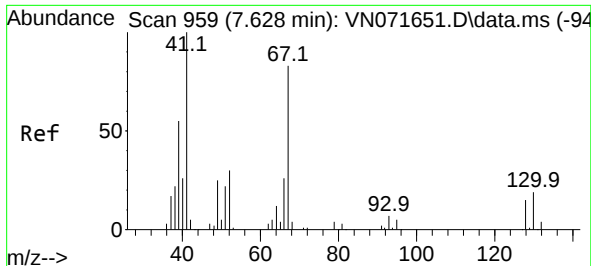
Delta R.T. -0.124 min

Lab File: VN072153.D

Acq: 22 Apr 2022 13:46

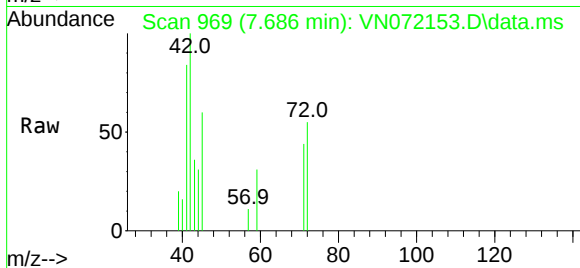
Tgt Ion: 117	Resp: 36646
Ion Ratio	Lower Upper
117	100
119	3.8 75.8 113.8#
121	0.0 24.6 37.0#



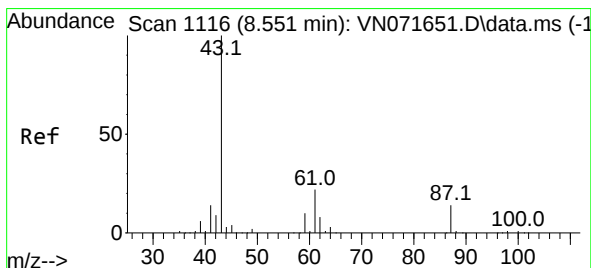
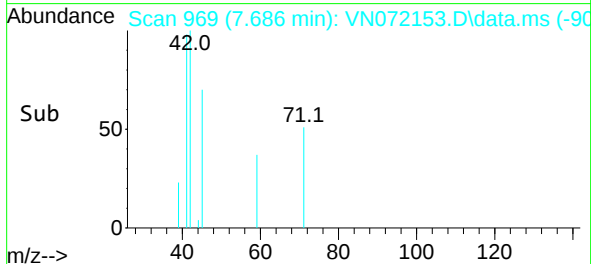
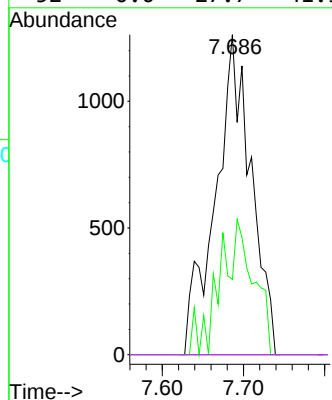


#41
Methacrylonitrile
Concen: 1.321 ug/l
RT: 7.686 min Scan# 91
Delta R.T. 0.058 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

Instrument :
MSVOA_N
ClientSampleId :

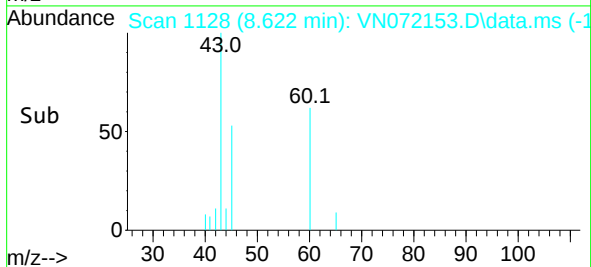
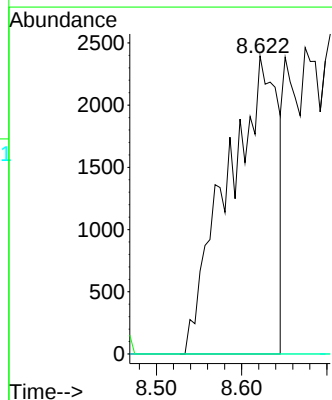
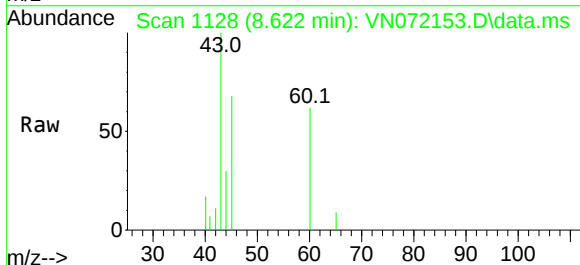


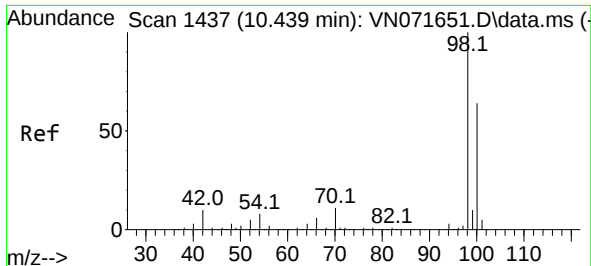
Tgt Ion:	41	Resp:	3853
Ion	Ratio	Lower	Upper
41	100		
39	22.2	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#43
Isopropyl Acetate
Concen: 0.987 ug/l
RT: 8.622 min Scan# 1128
Delta R.T. 0.071 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

Tgt Ion:	43	Resp:	9781
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.9	32.9#
87	0.0	12.0	18.0#

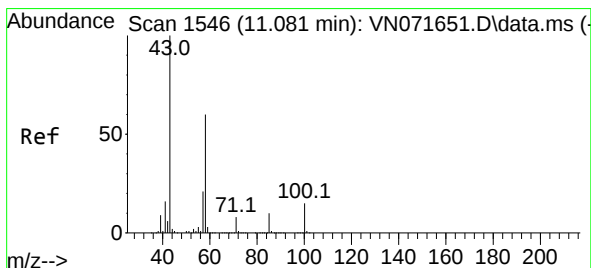
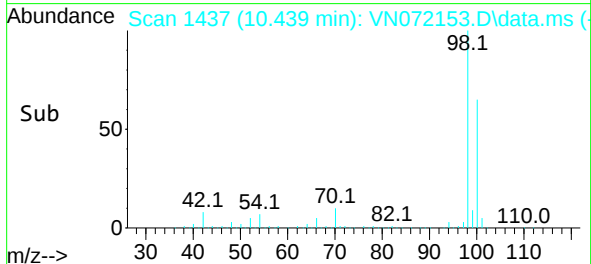
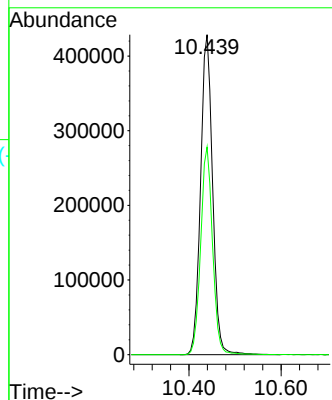
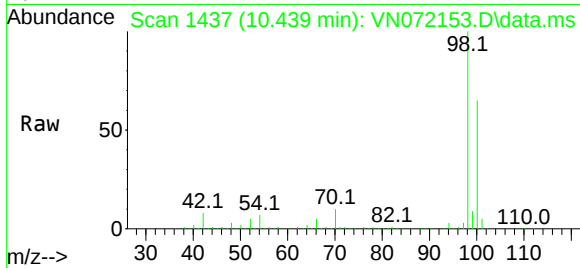




#50
Toluene-d8
Concen: 48.773 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

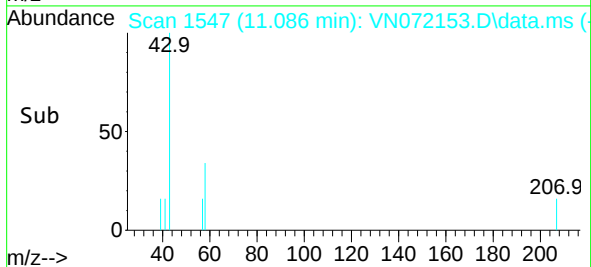
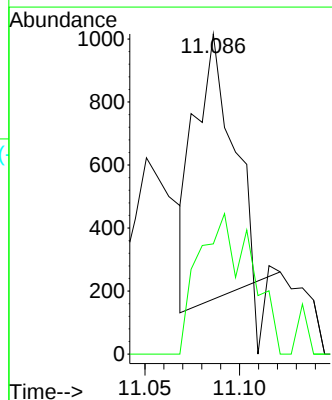
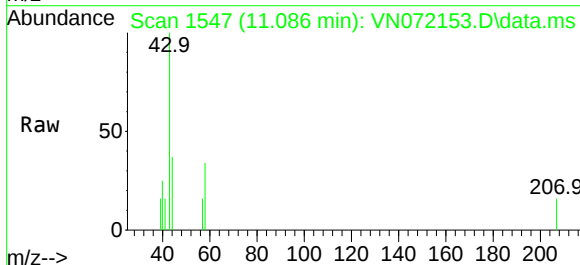
Instrument :
MSVOA_N
ClientSampleId :

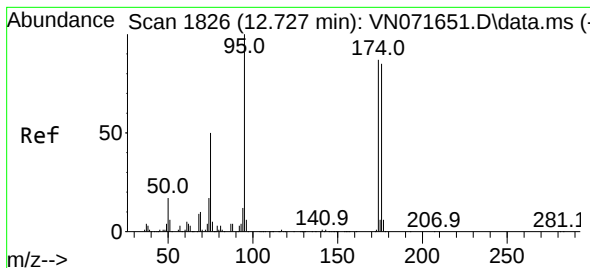
Tgt Ion: 98 Resp: 777868
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#59
2-Hexanone
Concen: 0.286 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

Tgt Ion: 43 Resp: 1148
Ion Ratio Lower Upper
43 100
58 74.8 29.7 89.1

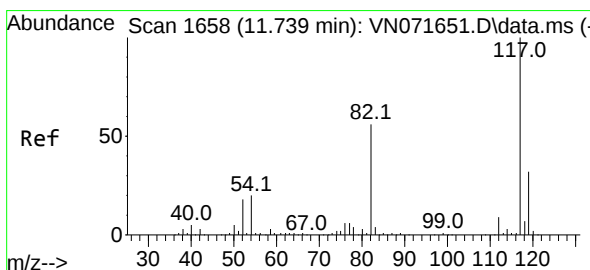
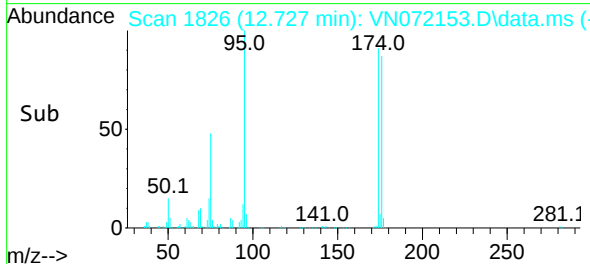
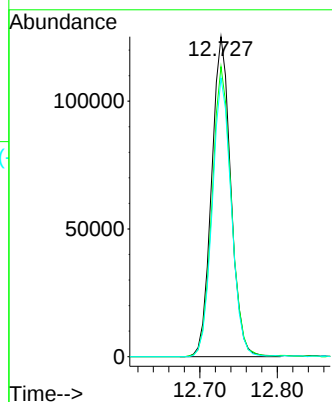
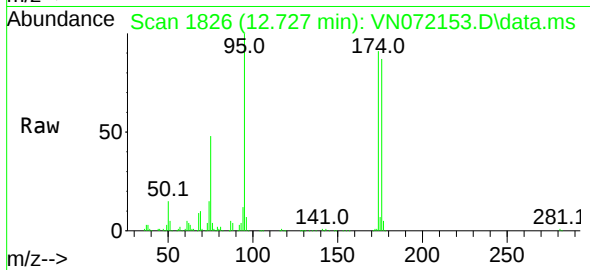




#62
4-Bromofluorobenzene
Concen: 41.806 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

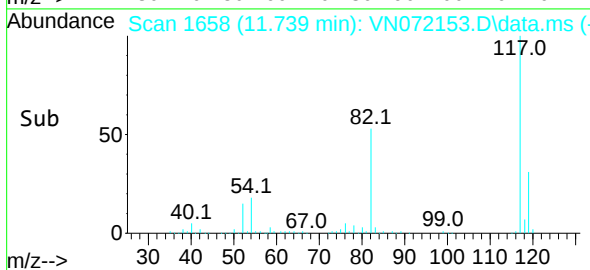
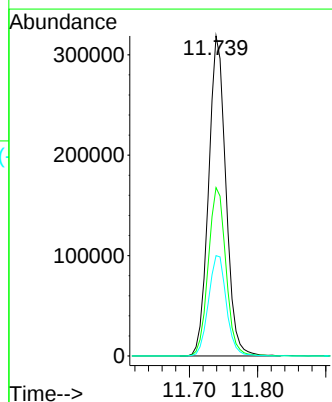
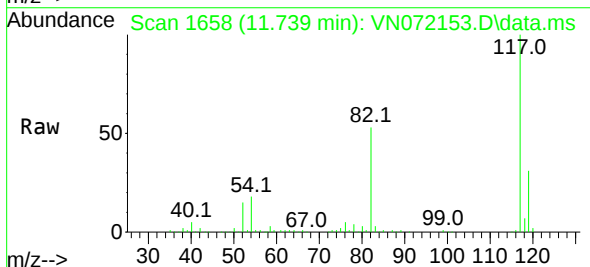
Instrument :
MSVOA_N
ClientSampleId :

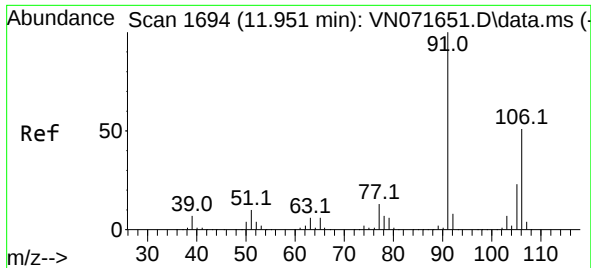
Tgt Ion: 95 Resp: 215638
Ion Ratio Lower Upper
95 100
174 90.7 0.0 167.6
176 86.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

Tgt Ion: 117 Resp: 562089
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 31.4 25.4 38.0

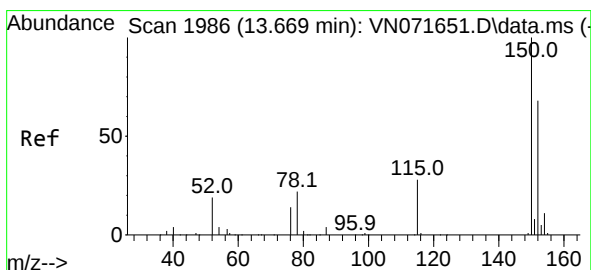
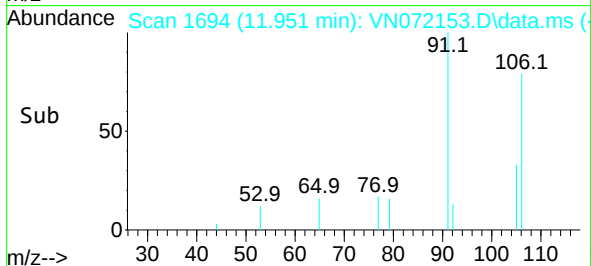
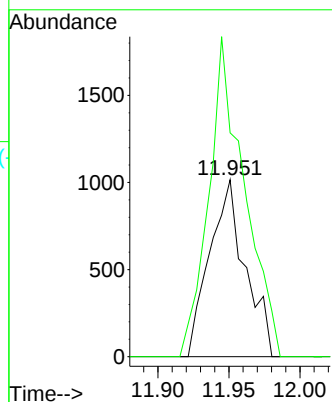
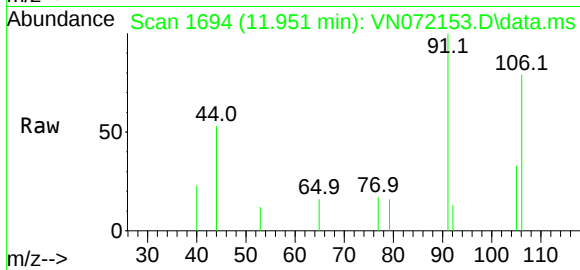




#68
m/p-Xylenes
Concen: 0.241 ug/l
RT: 11.951 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

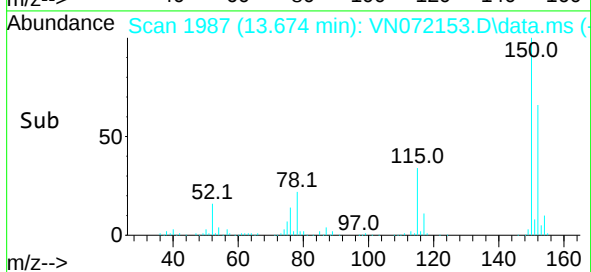
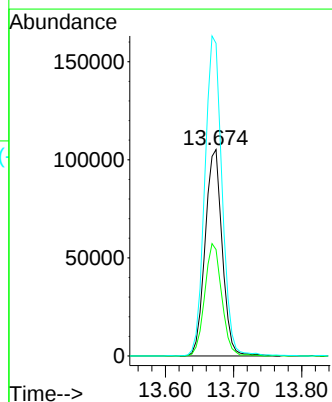
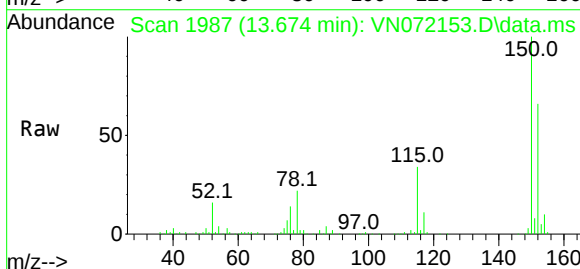
Instrument :
MSVOA_N
ClientSampleId :

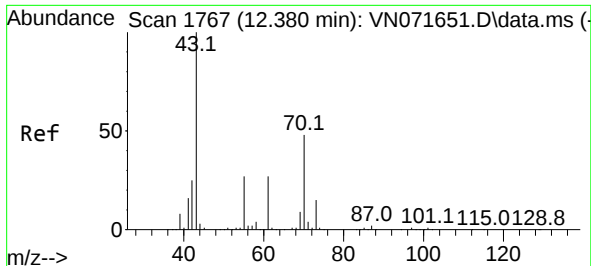
Tgt Ion:106 Resp: 1763
Ion Ratio Lower Upper
106 100
91 181.6 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

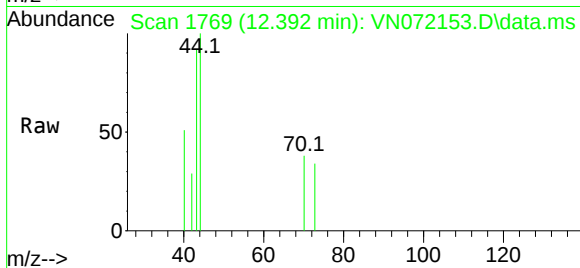
Tgt Ion:152 Resp: 183380
Ion Ratio Lower Upper
152 100
115 54.4 28.9 86.7
150 156.8 0.0 356.2



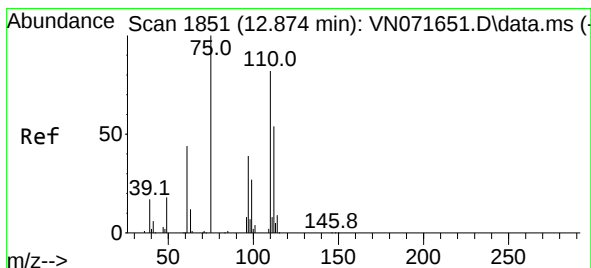
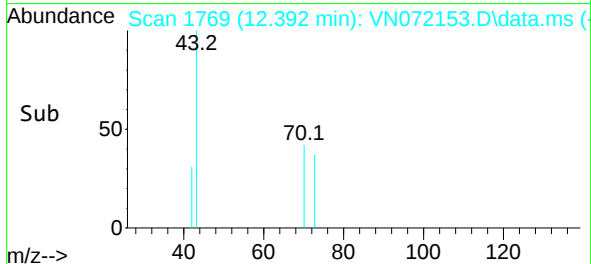
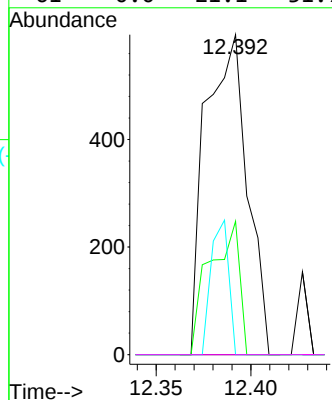


#74
N-amy1 acetate
Concen: 0.205 ug/l
RT: 12.392 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

Instrument :
MSVOA_N
ClientSampleId :

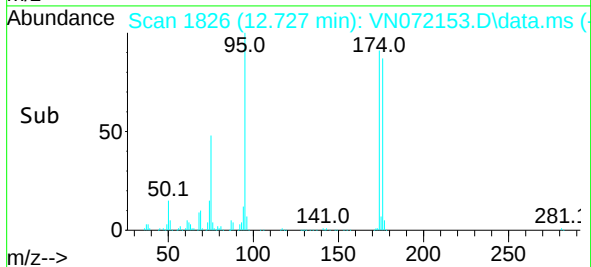
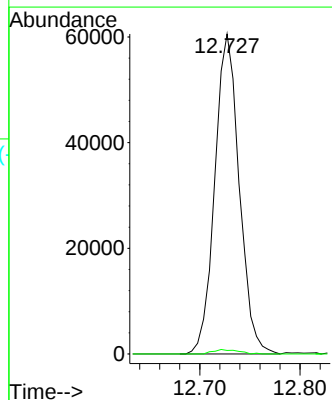
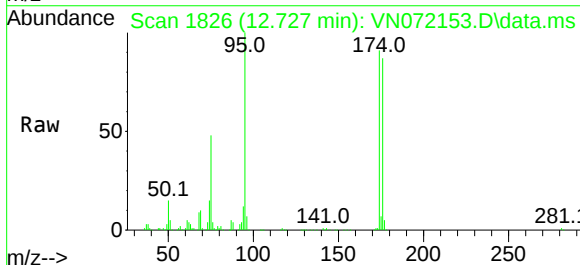


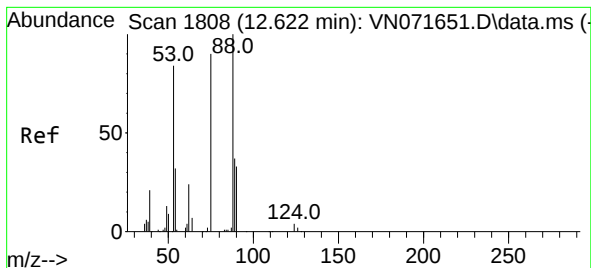
Tgt Ion: 43 Resp: 908
Ion Ratio Lower Upper
43 100
70 29.8 39.0 58.4#
55 18.0 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 24.113 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072153.D
Acq: 22 Apr 2022 13:46

Tgt Ion: 75 Resp: 102436
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#

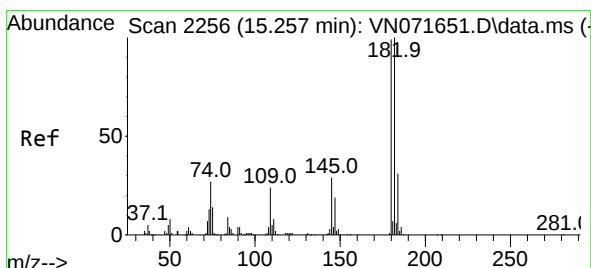
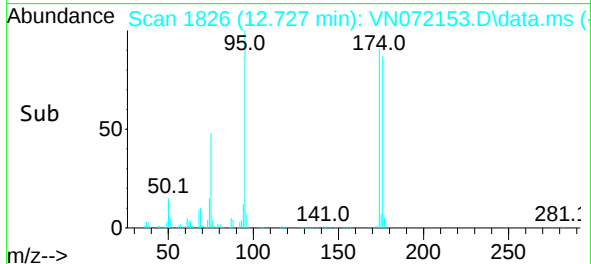
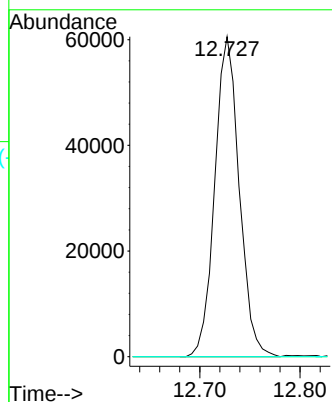
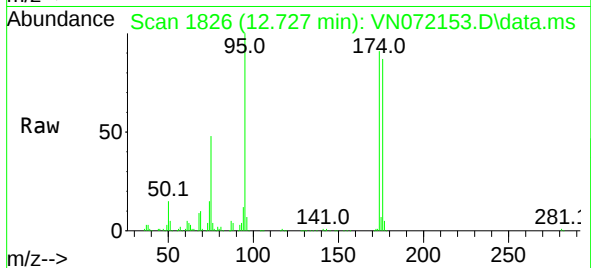




#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.726 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.105 min
 Lab File: VN072153.D
 Acq: 22 Apr 2022 13:46

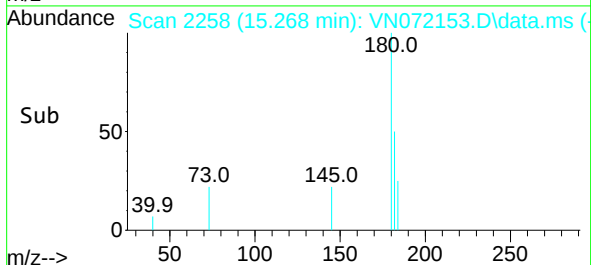
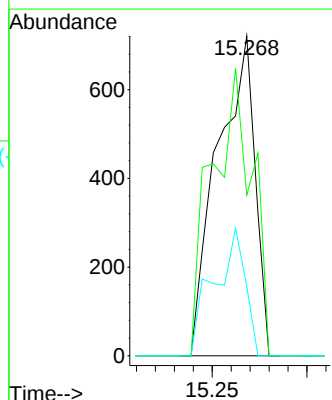
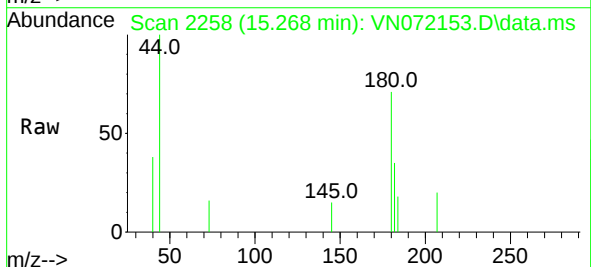
Instrument :
 MSVOA_N
 ClientSampleId :

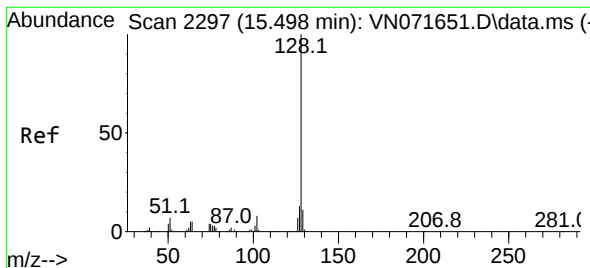
Tgt Ion: 75 Resp: 102436
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.410 ug/l
 RT: 15.268 min Scan# 2258
 Delta R.T. 0.011 min
 Lab File: VN072153.D
 Acq: 22 Apr 2022 13:46

Tgt Ion:180 Resp: 986
 Ion Ratio Lower Upper
 180 100
 182 97.6 47.5 142.5
 145 33.7 14.5 43.5





#95

Naphthalene

Concen: 4.252 ug/l

RT: 15.503 min Scan# 21

Delta R.T. 0.005 min

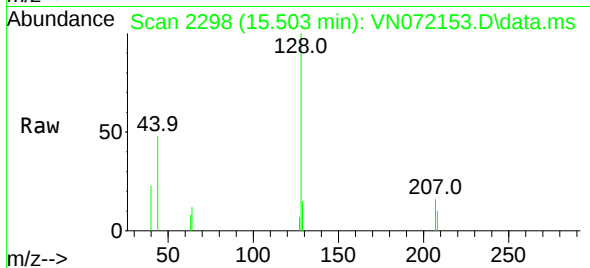
Lab File: VN072153.D

Acq: 22 Apr 2022 13:46

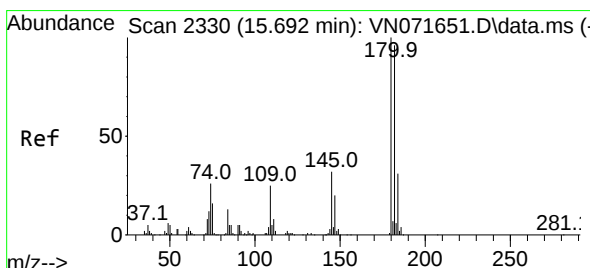
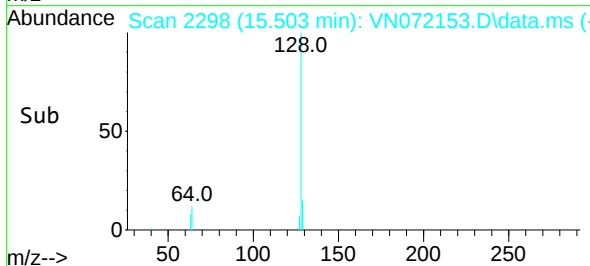
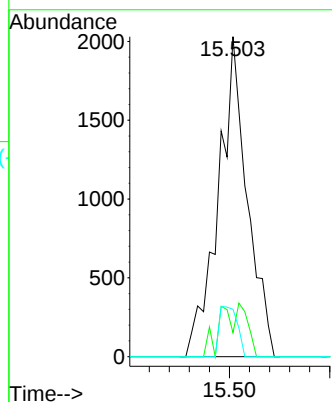
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	128	Resp:	4061
Ion Ratio	Lower	Upper	
128	100		
127	6.8	10.3	15.5#
129	0.0	8.6	13.0#



#96

1,2,3-Trichlorobenzene

Concen: 2.773 ug/l

RT: 15.692 min Scan# 2330

Delta R.T. -0.000 min

Lab File: VN072153.D

Acq: 22 Apr 2022 13:46

Tgt Ion:	180	Resp:	1067
Ion Ratio	Lower	Upper	
180	100		
182	106.3	47.8	143.3
145	37.8	15.5	46.5

