

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071701.D
 Acq On : 31 Mar 2022 11:55
 Operator : JC\MD
 Sample : VN0331WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBL01

Quant Time: Mar 31 18:46:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

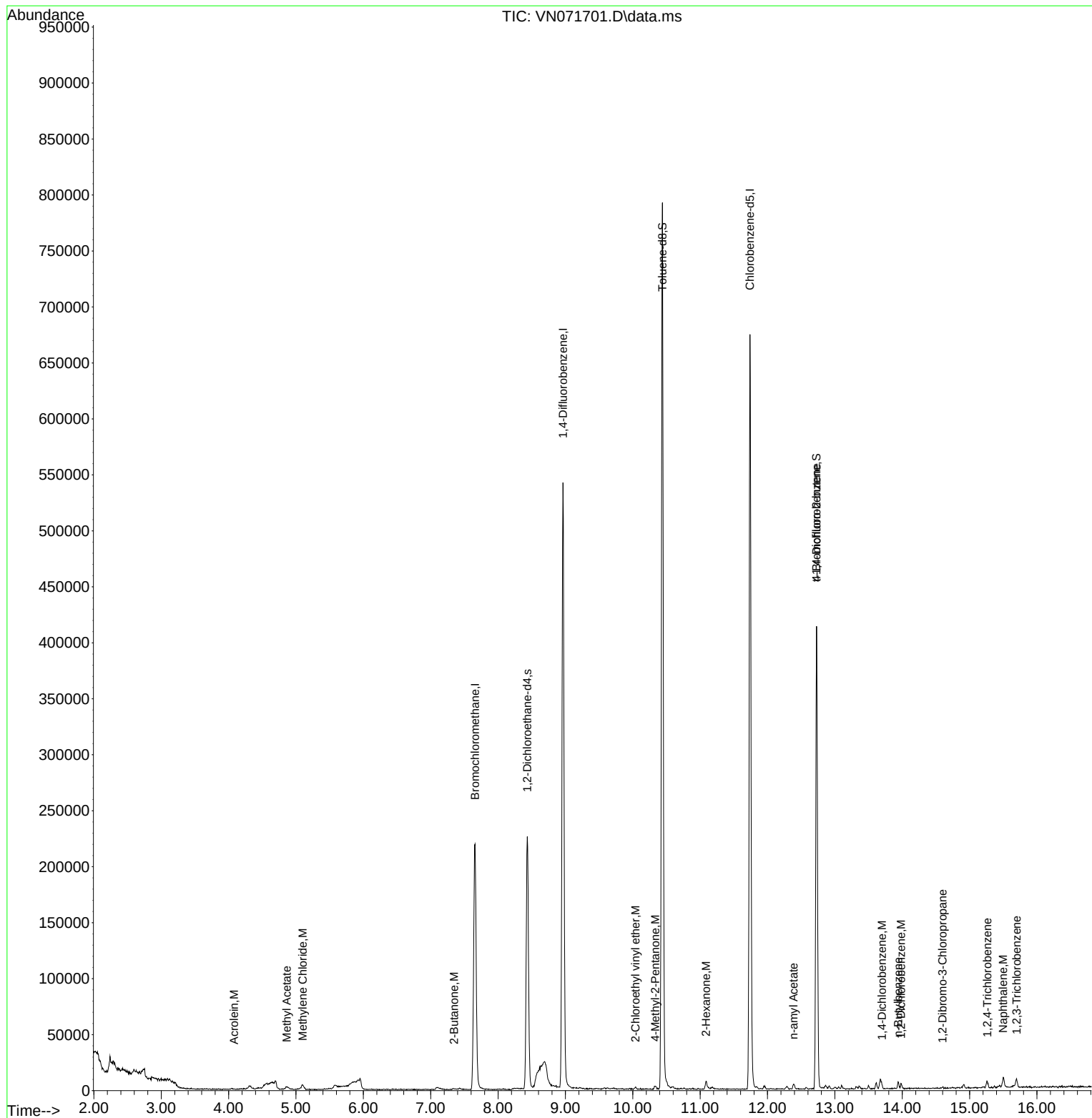
Internal Standards						
1) Bromochloromethane	7.657	128	90962	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	503074	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	423988	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	192816	30.086	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.300%
60) 4-Bromofluorobenzene	12.727	95	150342	23.914	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.700%
63) Toluene-d8	10.439	98	582428	30.261	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.867%
Target Compounds						
					Qvalue	
12) Methyl Acetate	4.863	43	5195	0.699	ug/l	100
13) Acrolein	4.081	56	166	0.210	ug/l	90
18) Methylene Chloride	5.098	84	2102	0.332	ug/l	88
30) 2-Butanone	7.345	43	1001	0.221	ug/l #	53
47) n-amyl Acetate	12.386	43	3034	0.323	ug/l	98
55) 2-Chloroethyl vinyl ether	10.039	63	662	0.248	ug/l #	73
58) 4-Methyl-2-Pentanone	10.333	43	1646	0.205	ug/l #	81
59) 2-Hexanone	11.086	43	4616	0.786	ug/l #	74
77) t-1,4-Dichloro-2-butene	12.727	75	74318	27.919	ug/l #	8
84) 1,4-Dichlorobenzene	13.698	146	2492	0.241	ug/l	94
85) n-Butylbenzene	13.939	91	3702	0.233	ug/l	91
87) 1,2-Dichlorobenzene	13.980	146	2436	0.233	ug/l	91
88) 1,2-Dibromo-3-Chloropr...	14.598	75	352	0.224	ug/l #	57
89) 1,2,4-Trichlorobenzene	15.262	180	2859	0.591	ug/l #	91
91) Naphthalene	15.498	128	11001	7.467	ug/l #	94
92) 1,2,3-Trichlorobenzene	15.698	180	3604	0.760	ug/l	83

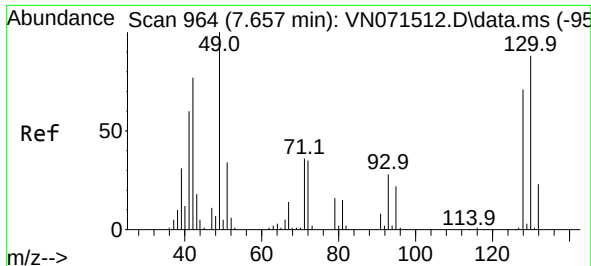
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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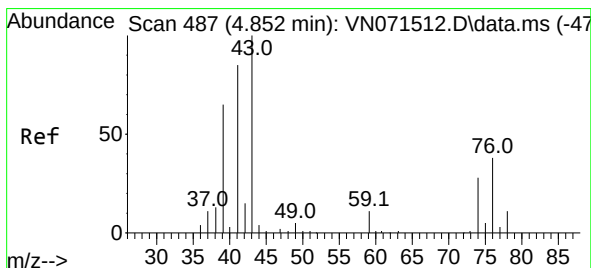
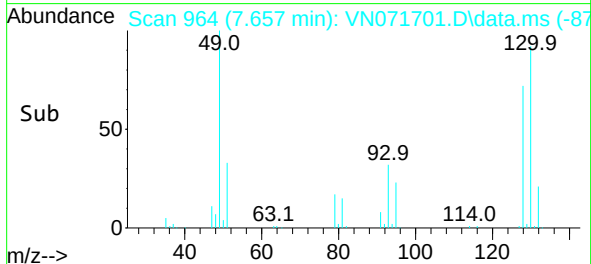
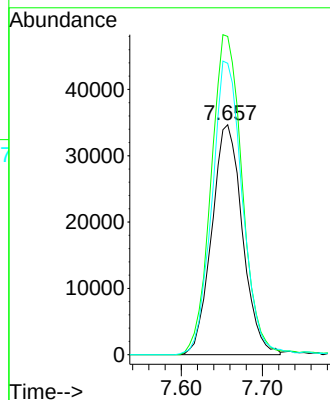
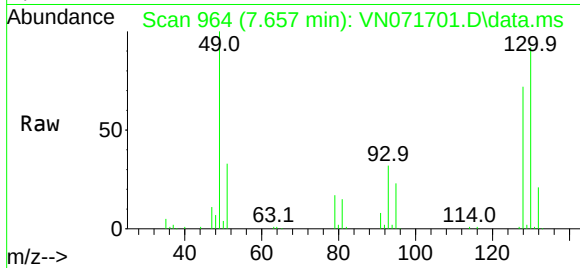




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

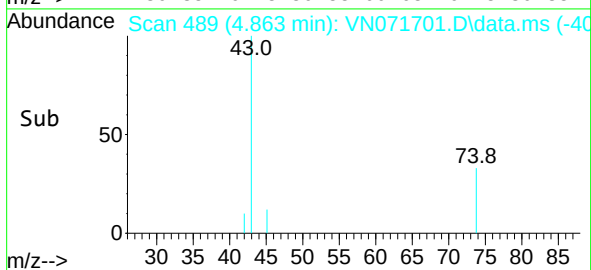
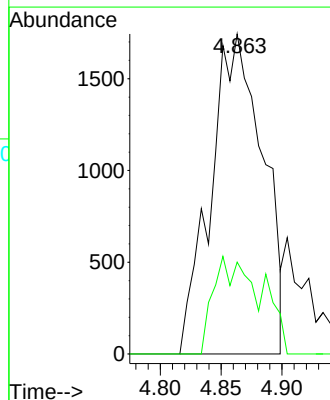
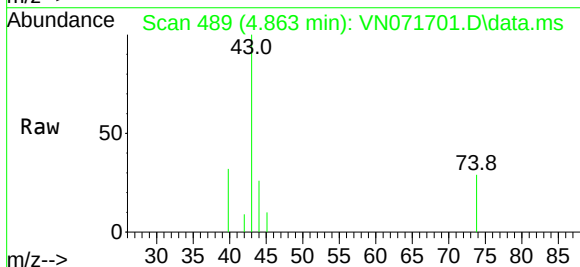
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

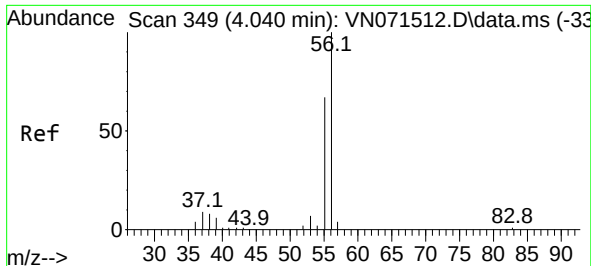
Tgt Ion:128 Resp: 90962
Ion Ratio Lower Upper
128 100
49 140.6 0.0 392.3
130 127.1 0.0 320.2



#12
Methyl Acetate
Concen: 0.699 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

Tgt Ion: 43 Resp: 5195
Ion Ratio Lower Upper
43 100
74 25.8 20.8 31.2

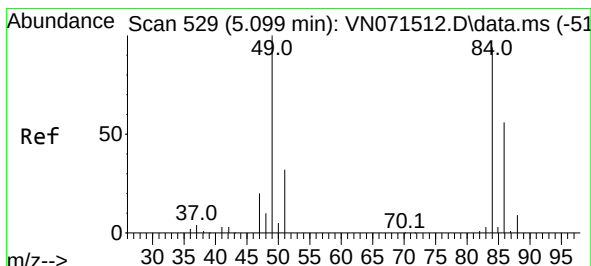
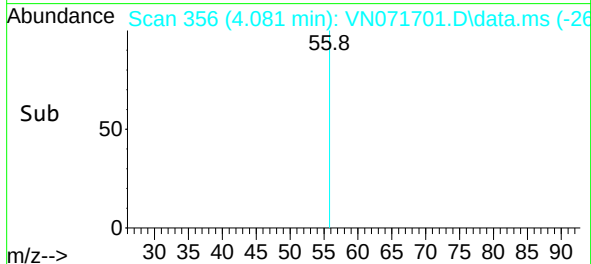
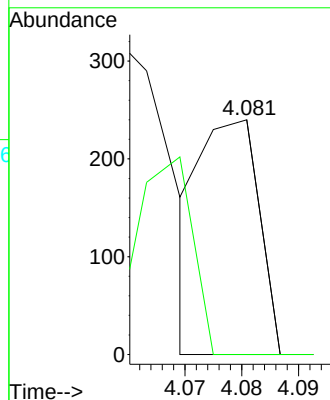
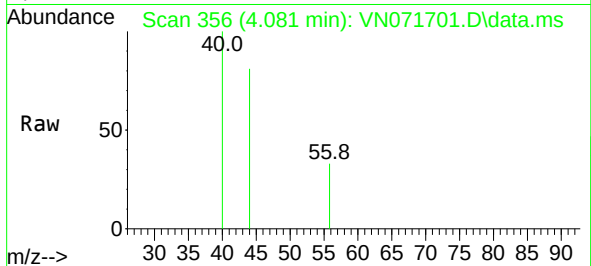




#13
Acrolein
Concen: 0.210 ug/l
RT: 4.081 min Scan# 31
Delta R.T. 0.041 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

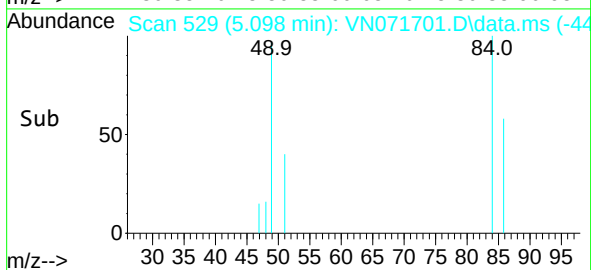
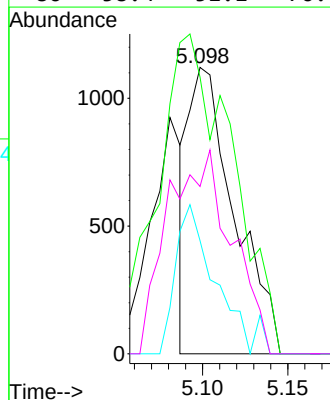
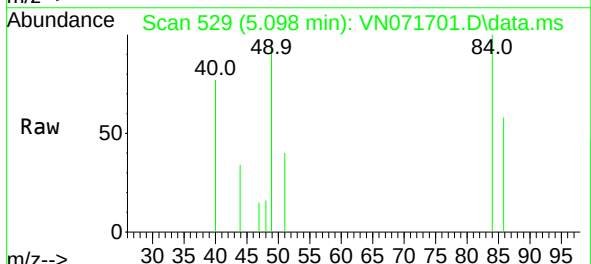
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

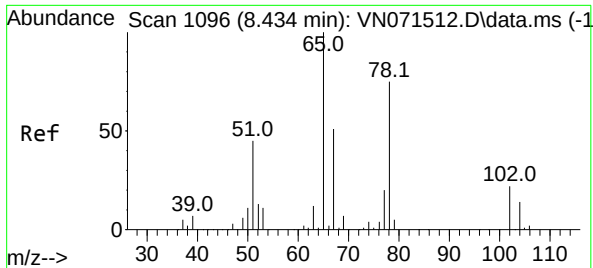
Tgt Ion: 56 Resp: 166
Ion Ratio Lower Upper
56 100
55 80.1 57.6 86.4



#18
Methylene Chloride
Concen: 0.332 ug/l
RT: 5.098 min Scan# 529
Delta R.T. -0.000 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

Tgt Ion: 84 Resp: 2102
Ion Ratio Lower Upper
84 100
49 96.6 91.4 137.0
51 39.5 29.4 44.0
86 58.4 51.1 76.7

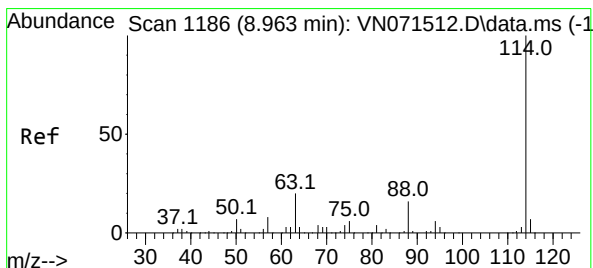
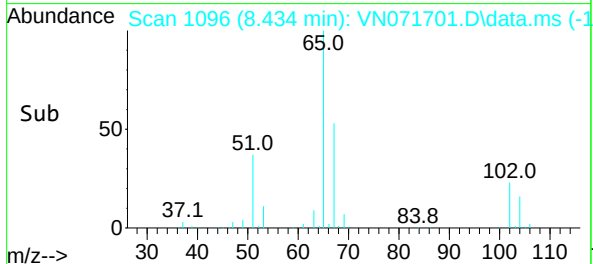
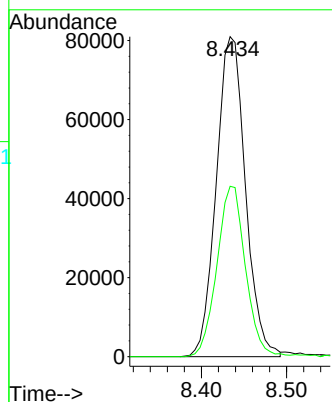
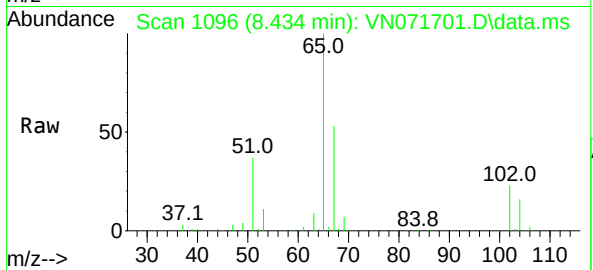




#27
1,2-Dichloroethane-d4
Concen: 30.086 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

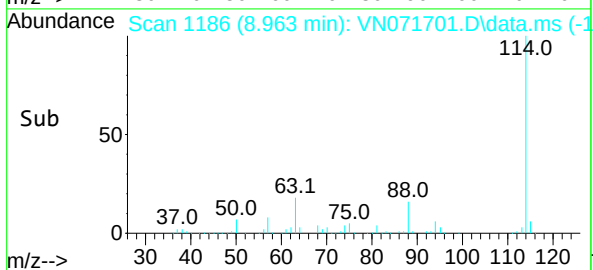
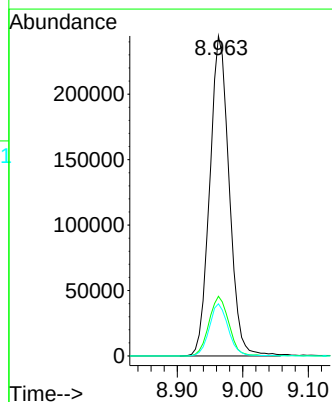
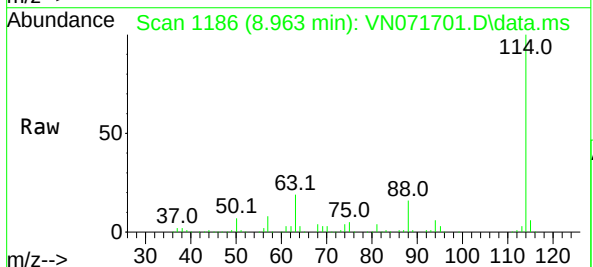
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

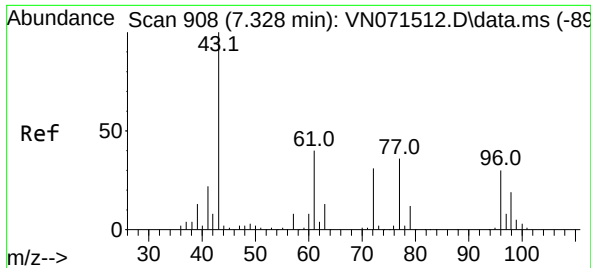
Tgt Ion: 65 Resp: 192816
Ion Ratio Lower Upper
65 100
67 52.0 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

Tgt Ion: 114 Resp: 503074
Ion Ratio Lower Upper
114 100
63 19.0 15.8 23.6
88 15.9 11.6 17.4

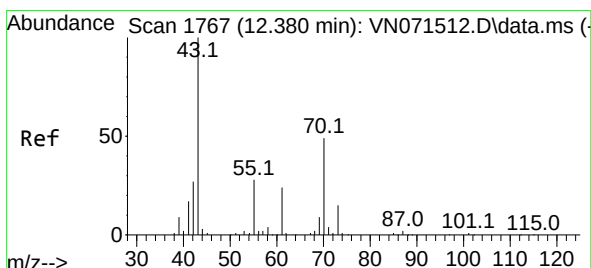
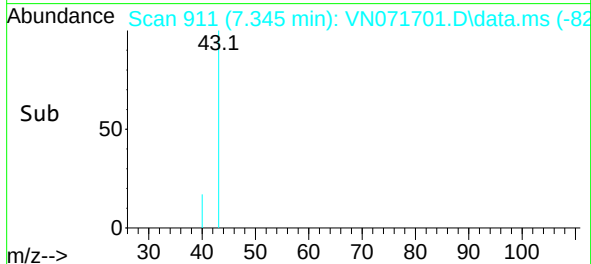
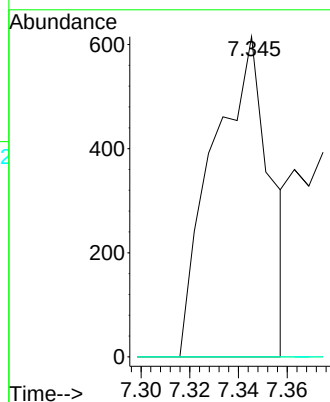
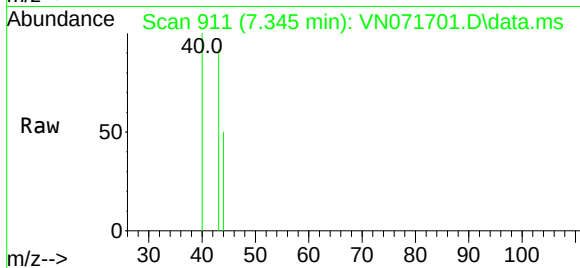




#30
2-Butanone
Concen: 0.221 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

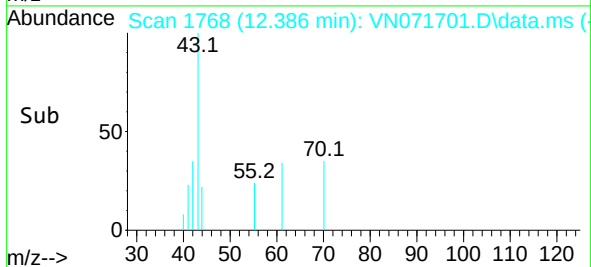
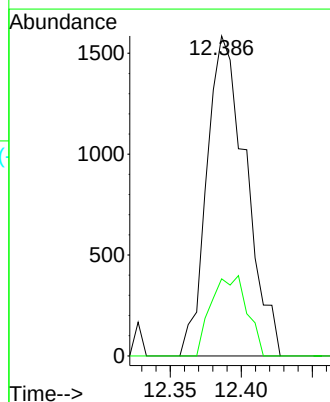
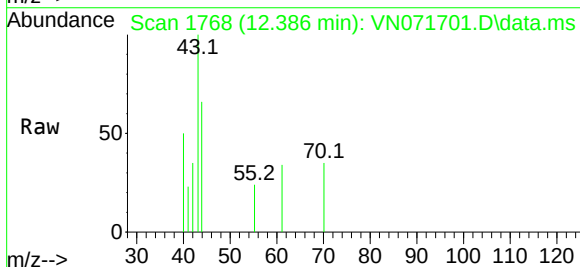
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

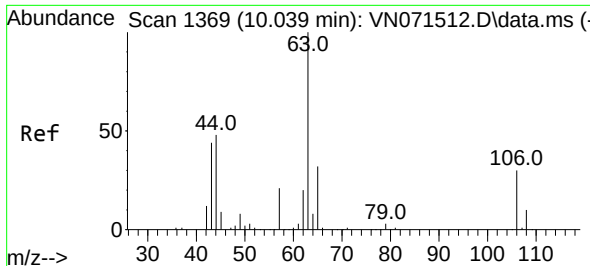
Tgt Ion: 43 Resp: 1001
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 23.2 34.8#



#47
n-amy1 Acetate
Concen: 0.323 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

Tgt Ion: 43 Resp: 3034
Ion Ratio Lower Upper
43 100
55 23.0 19.0 28.6

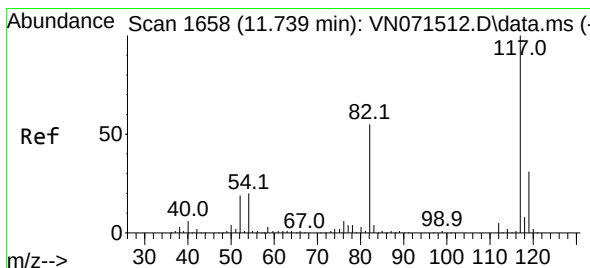
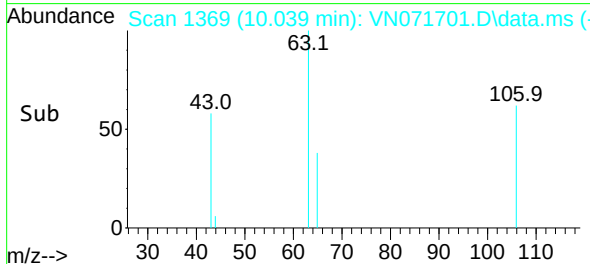
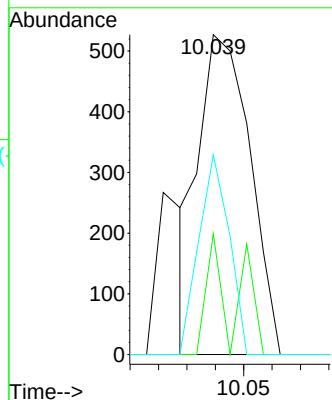
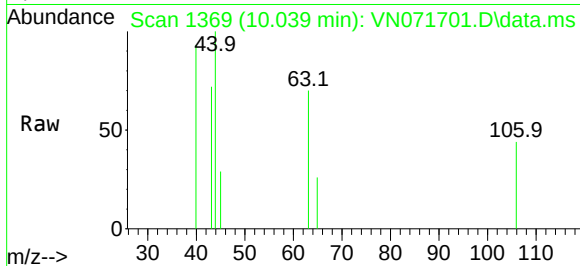




#55
2-Chloroethyl vinyl ether
Concen: 0.248 ug/l
RT: 10.039 min Scan# 1369
Delta R.T. -0.000 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

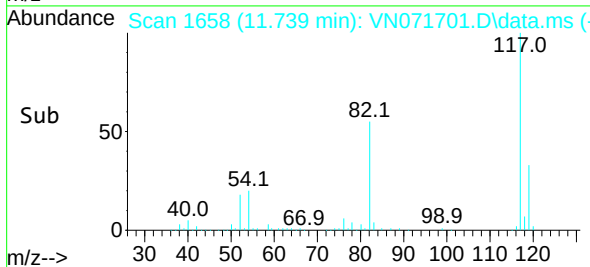
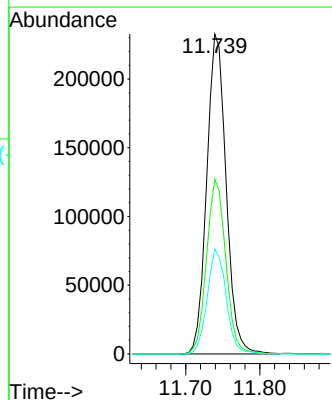
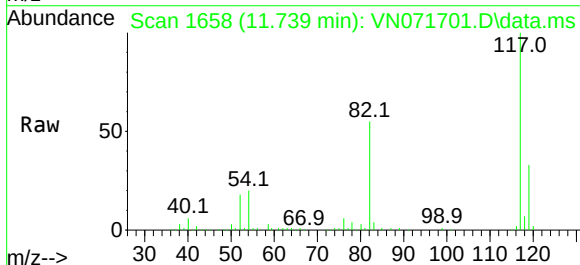
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

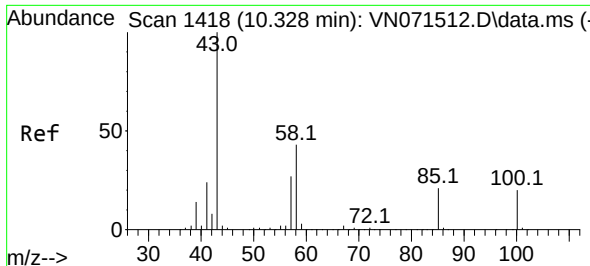
Tgt Ion: 63 Resp: 662
Ion Ratio Lower Upper
63 100
65 10.6 25.4 38.0#
106 37.0 23.2 34.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

Tgt Ion: 117 Resp: 423988
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 32.2 25.8 38.6

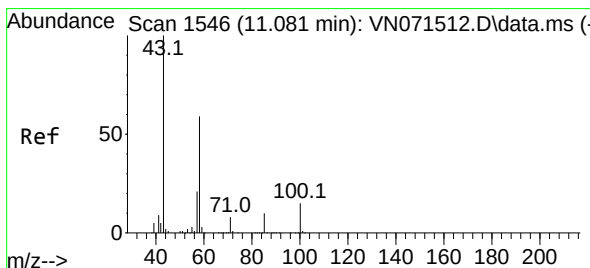
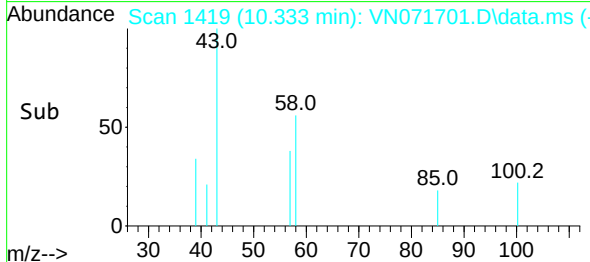
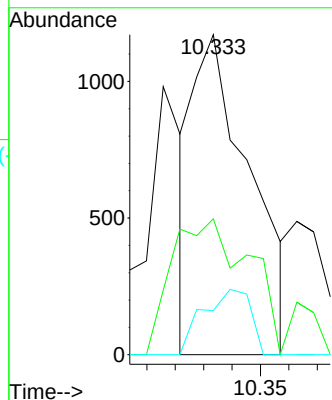
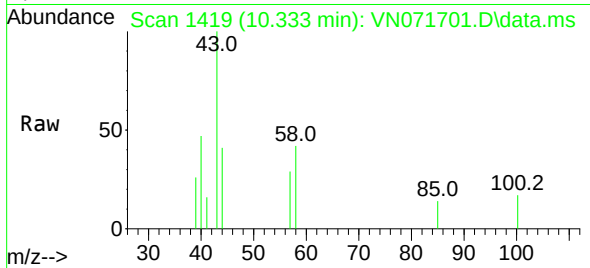




#58
4-Methyl-2-Pentanone
Concen: 0.205 ug/l
RT: 10.333 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

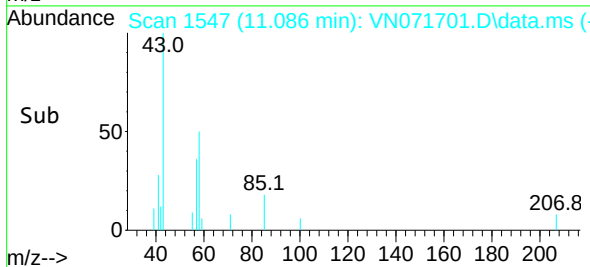
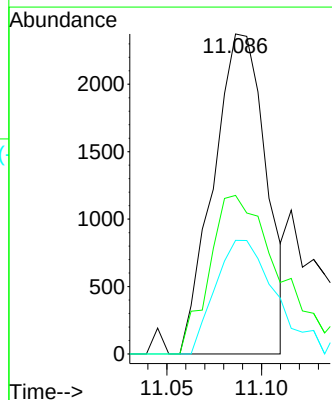
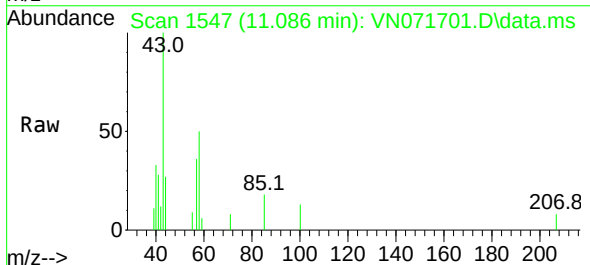
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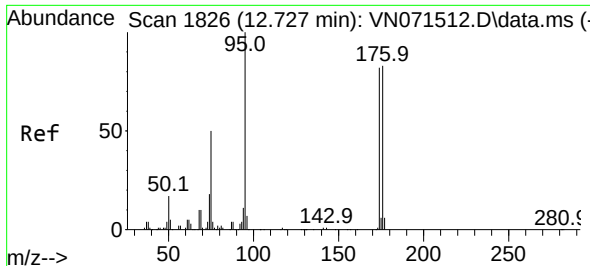
Tgt Ion: 43 Resp: 1646
Ion Ratio Lower Upper
43 100
58 41.7 30.0 45.0
85 0.0 15.0 22.6#



#59
2-Hexanone
Concen: 0.786 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

Tgt Ion: 43 Resp: 4616
Ion Ratio Lower Upper
43 100
58 66.4 42.2 63.2#
57 38.8 15.0 22.4#

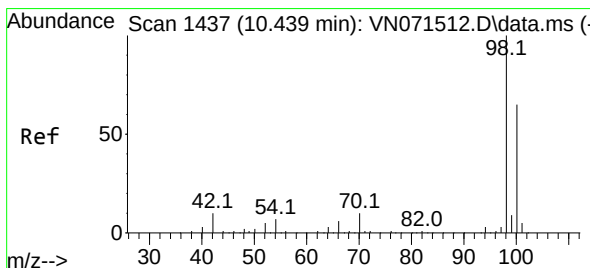
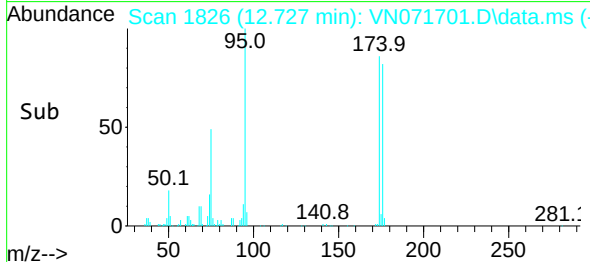
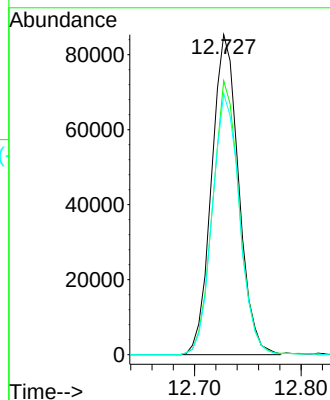
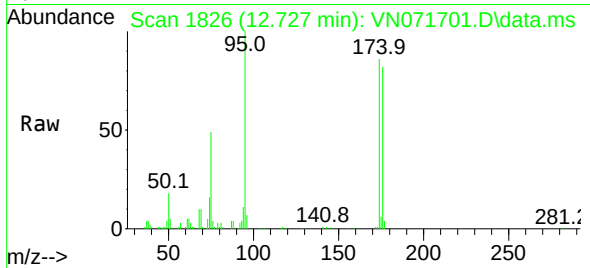




#60
4-Bromofluorobenzene
Concen: 23.914 ug/l
RT: 12.727 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

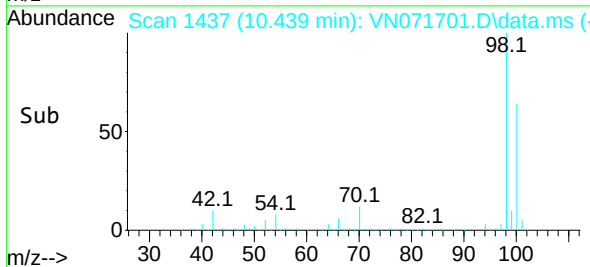
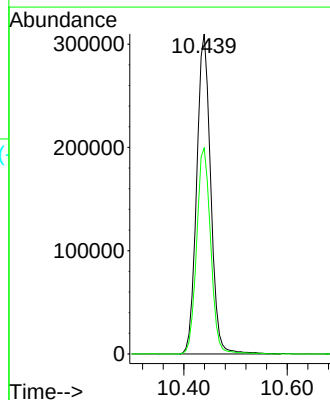
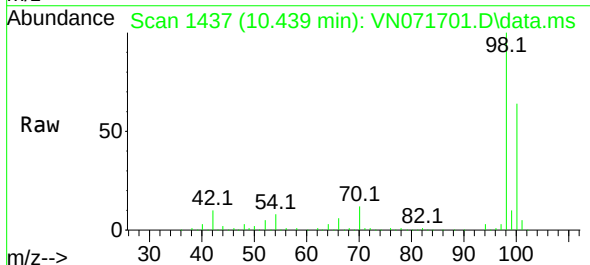
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

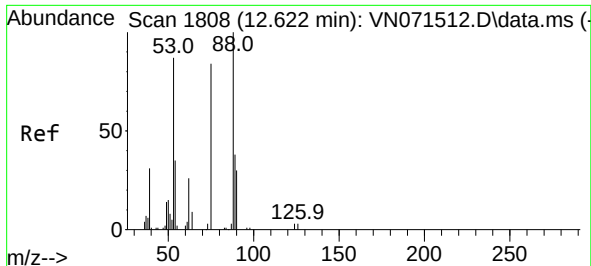
Tgt Ion: 95 Resp: 150342
Ion Ratio Lower Upper
95 100
174 84.2 62.9 94.3
176 82.1 61.0 91.4



#63
Toluene-d8
Concen: 30.261 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

Tgt Ion: 98 Resp: 582428
Ion Ratio Lower Upper
98 100
100 64.4 50.6 76.0

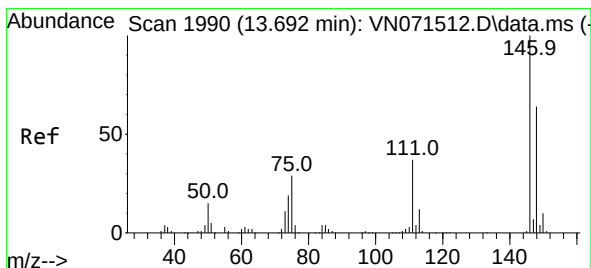
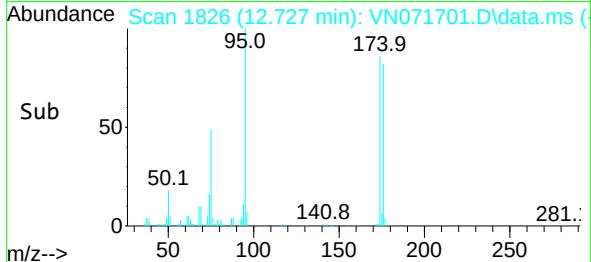
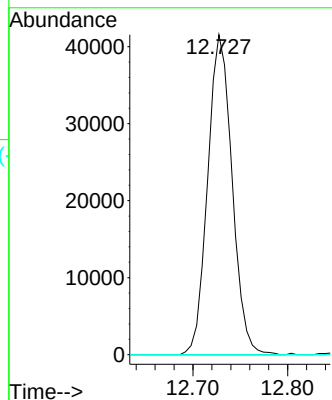
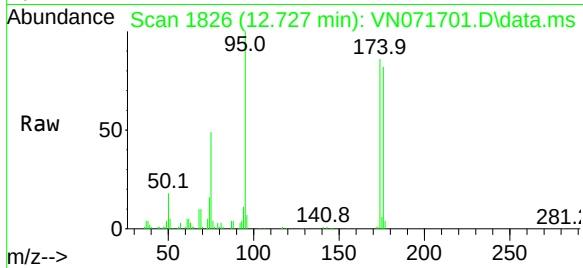




#77
t-1,4-Dichloro-2-butene
Concen: 27.919 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

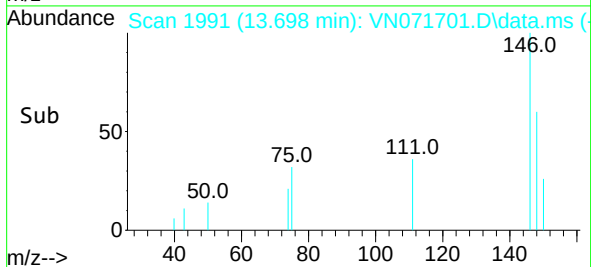
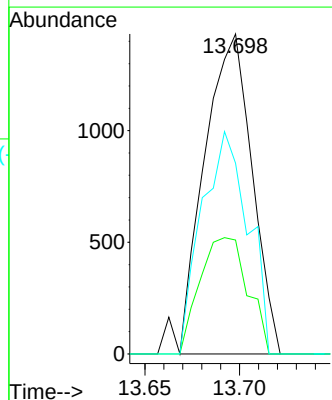
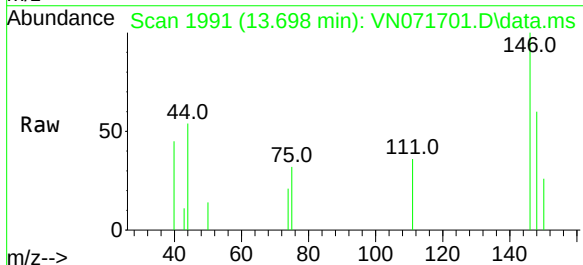
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

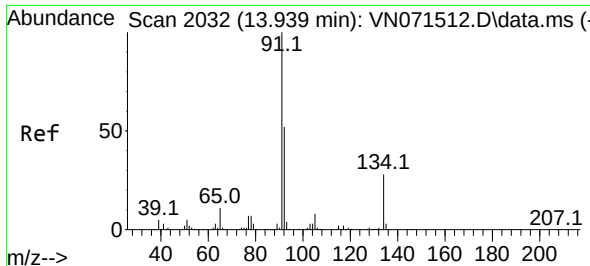
Tgt Ion: 75 Resp: 74318
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#84
1,4-Dichlorobenzene
Concen: 0.241 ug/l
RT: 13.698 min Scan# 1991
Delta R.T. 0.006 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

Tgt Ion:146 Resp: 2492
Ion Ratio Lower Upper
146 100
111 36.9 19.5 58.5
148 67.8 31.1 93.5

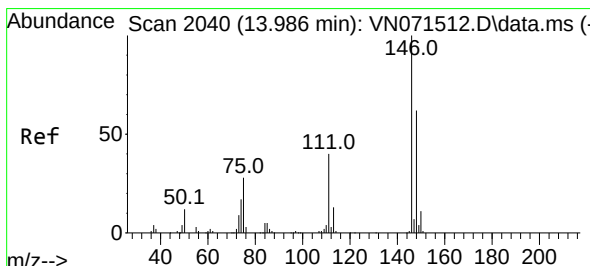
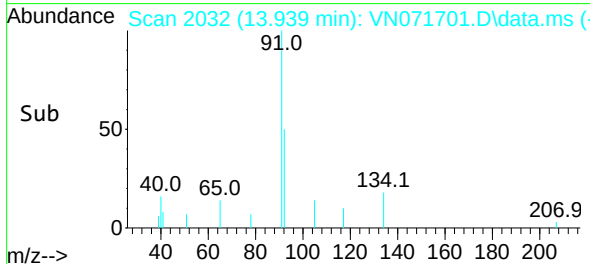
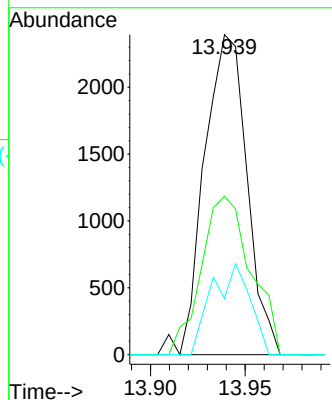
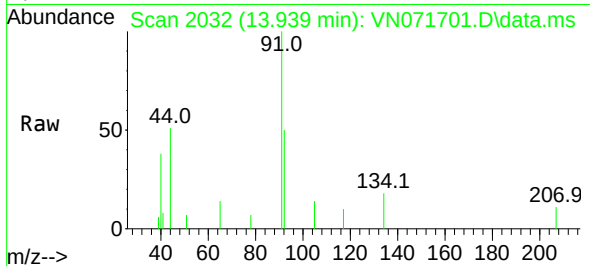




#85
n-Butylbenzene
Concen: 0.233 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

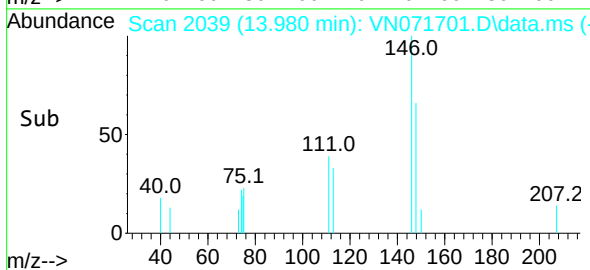
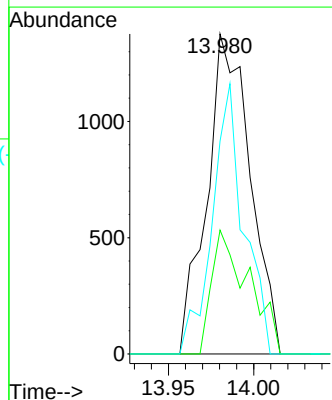
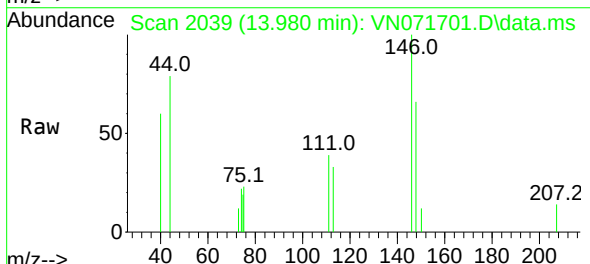
Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

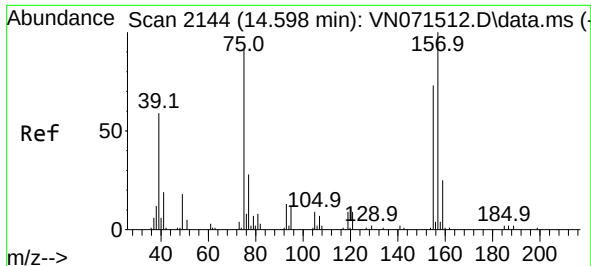
Tgt Ion: 91	Resp:	3702	
Ion	Ratio	Lower	Upper
91	100		
92	58.6	0.0	100.6
134	25.9	0.0	50.2



#87
1,2-Dichlorobenzene
Concen: 0.233 ug/l
RT: 13.980 min Scan# 2039
Delta R.T. -0.006 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

Tgt Ion:146	Resp:	2436	
Ion	Ratio	Lower	Upper
146	100		
111	33.1	21.4	64.2
148	61.4	32.5	97.4

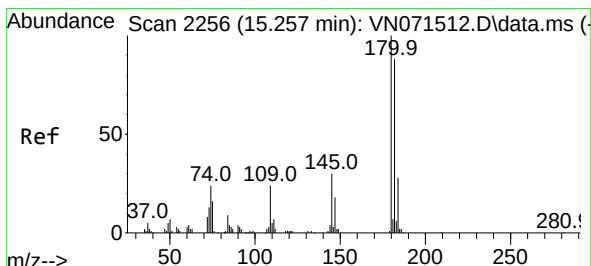
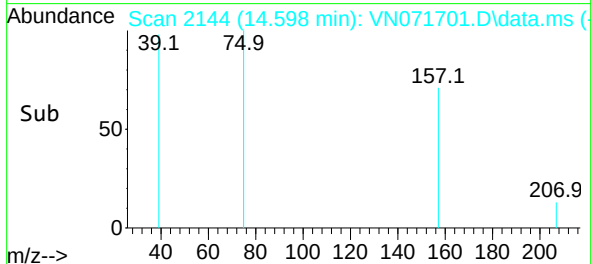
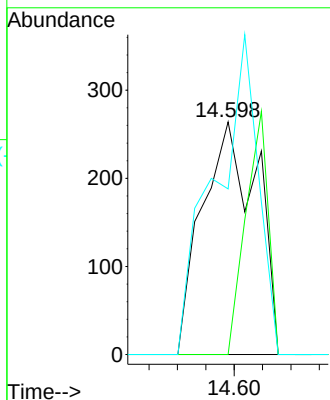
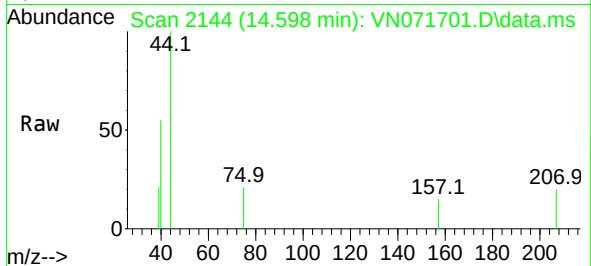




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.224 ug/l
 RT: 14.598 min Scan# 2144
 Delta R.T. -0.000 min
 Lab File: VN071701.D
 Acq: 31 Mar 2022 11:55

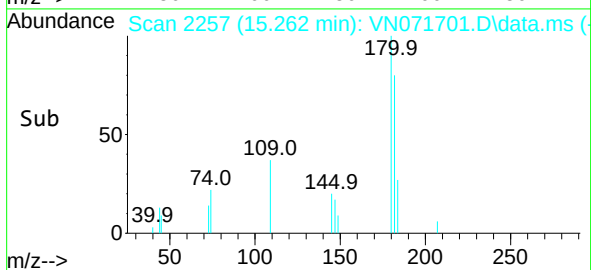
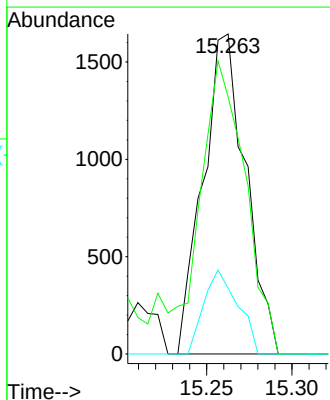
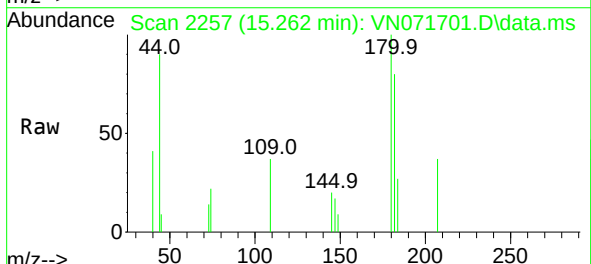
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBL01

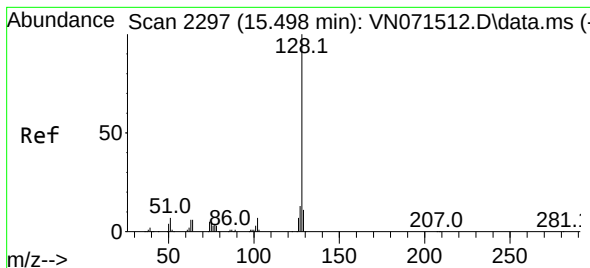
Tgt Ion: 75 Resp: 352
 Ion Ratio Lower Upper
 75 100
 155 42.9 63.8 95.8#
 157 53.7 77.9 116.9#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.591 ug/l
 RT: 15.262 min Scan# 2257
 Delta R.T. 0.006 min
 Lab File: VN071701.D
 Acq: 31 Mar 2022 11:55

Tgt Ion: 180 Resp: 2859
 Ion Ratio Lower Upper
 180 100
 182 93.0 77.7 116.5
 145 21.0 26.6 39.8#

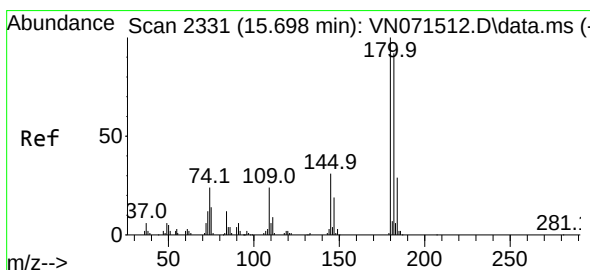
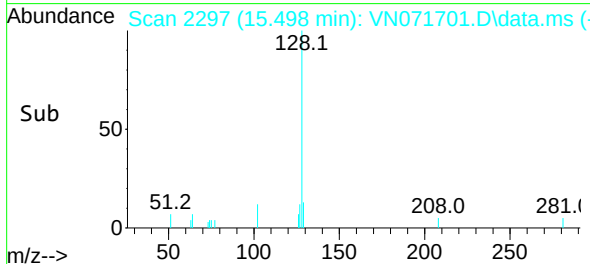
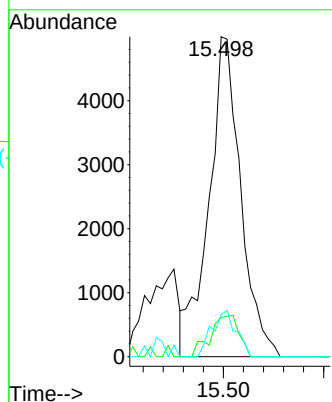
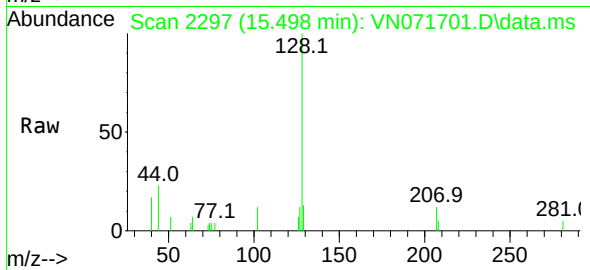




#91
Naphthalene
Concen: 7.467 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

Instrument :
MSVOA_N
ClientSampleId :
VN0331WBL01

Tgt Ion:128 Resp: 11001
Ion Ratio Lower Upper
128 100
127 9.5 10.7 16.1#
129 11.0 9.0 13.6



#92
1,2,3-Trichlorobenzene
Concen: 0.760 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN071701.D
Acq: 31 Mar 2022 11:55

Tgt Ion:180 Resp: 3604
Ion Ratio Lower Upper
180 100
182 86.1 0.0 190.0
145 11.5 0.0 67.8

