

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040622\
 Data File : VN071872.D
 Acq On : 06 Apr 2022 12:09
 Operator : JC\MD
 Sample : VN0406MBL01
 Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0406MBL01

Quant Time: Apr 07 04:25:23 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)

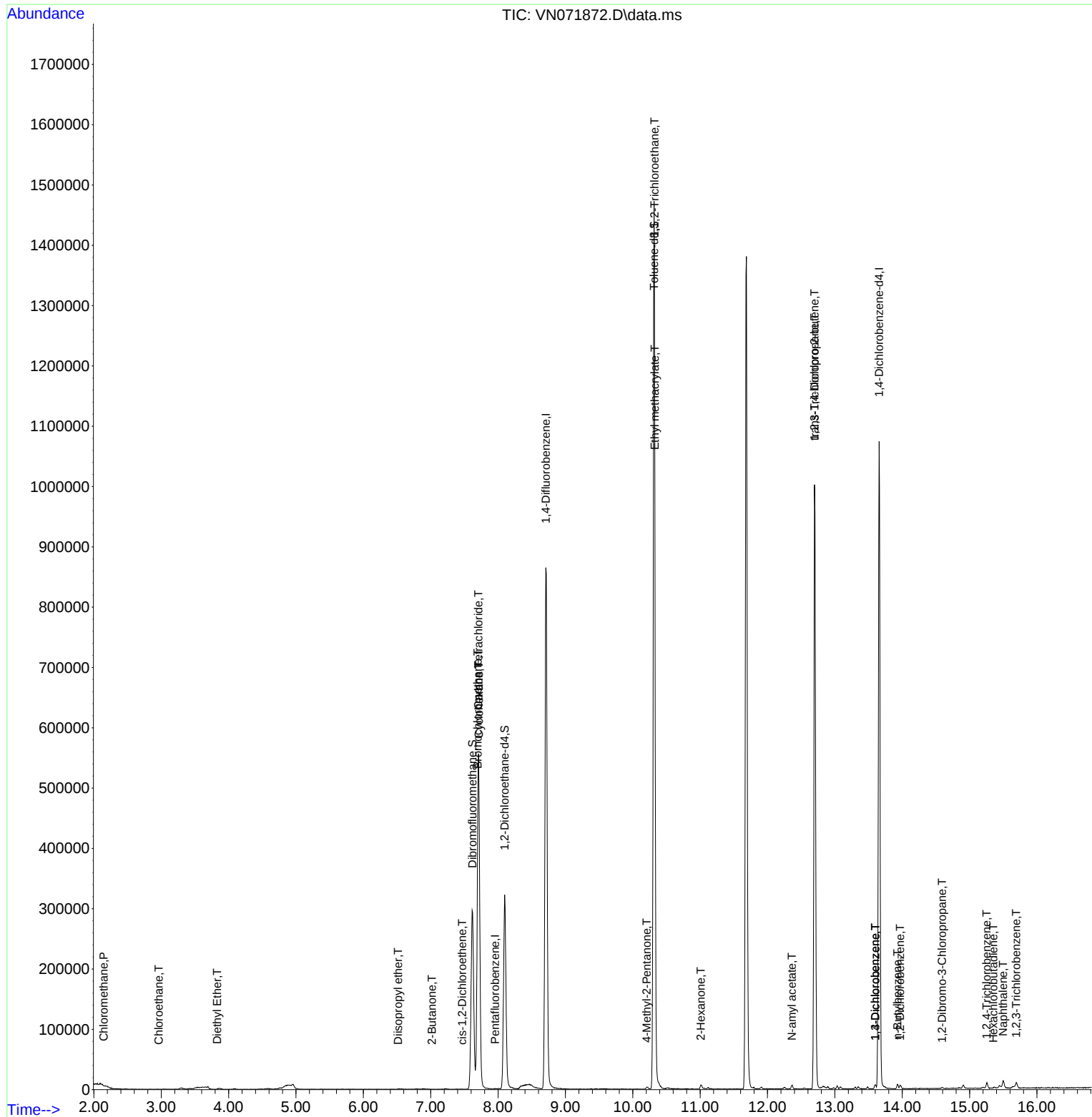
Internal Standards						
1) Pentafluorobenzene	7.957	168	363	50.000	ug/l	#-0.12
34) 1,4-Difluorobenzene	8.710	114	888831	50.000	ug/l	-0.25
63) Chlorobenzene-d5	0.000	117	0	0.000	ug/l	-11.74
72) 1,4-Dichlorobenzene-d4	13.657	152	321517	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.098	65	292759	70645.309	ug/l	-0.34
Spiked Amount	50.000	Range	61 - 141	Recovery	= 141290.620%#	
35) Dibromofluoromethane	7.622	113	257252	49.185	ug/l	-0.39
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.380%	
50) Toluene-d8	10.316	98	1096993	51.271	ug/l	-0.12
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.540%	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	58 - 135	Recovery	= 0.000%#	
Target Compounds						
						Qvalue
3) Chloromethane	2.146	50	55	15.040	ug/l #	43
6) Chloroethane	2.963	64	58	20.076	ug/l #	42
8) Diethyl Ether	3.828	74	126	58.352	ug/l #	7
22) Diisopropyl ether	6.516	45	55	5.195	ug/l #	34
25) 2-Butanone	7.016	43	60	23.500	ug/l #	45
27) cis-1,2-Dichloroethene	7.469	96	59	14.628	ug/l #	1
28) Bromochloromethane	7.698	49	1362	543.249	ug/l #	1
31) Cyclohexane	7.716	56	7530	1336.128	ug/l #	2
38) Carbon Tetrachloride	7.710	117	37752	5.274	ug/l #	17
49) 1,4-Dioxane	9.386	88	54	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.204	43	3320	0.434	ug/l	89
55) 1,1,2-Trichloroethane	10.322	97	28632	4.770	ug/l #	1
56) Ethyl methacrylate	10.327	69	2916	0.341	ug/l #	77
59) 2-Hexanone	11.010	43	5082	0.944	ug/l	93
74) N-amyl acetate	12.363	43	3986	0.513	ug/l	96
76) 1,2,3-Trichloropropane	12.698	75	175492	23.562	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.698	75	175492	73.017	ug/l #	10
87) 1,3-Dichlorobenzene	13.598	146	2538	0.235	ug/l	91
88) 1,4-Dichlorobenzene	13.598	146	2538	0.240	ug/l	93
89) n-Butylbenzene	13.927	91	4771	0.317	ug/l	97
91) 1,2-Dichlorobenzene	13.968	146	2943	0.277	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.592	75	663	0.473	ug/l	82
93) 1,2,4-Trichlorobenzene	15.251	180	4268	2.885	ug/l	96
94) Hexachlorobutadiene	15.351	225	638	0.204	ug/l	86
95) Naphthalene	15.498	128	13870	4.678	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	4605	3.298	ug/l	88

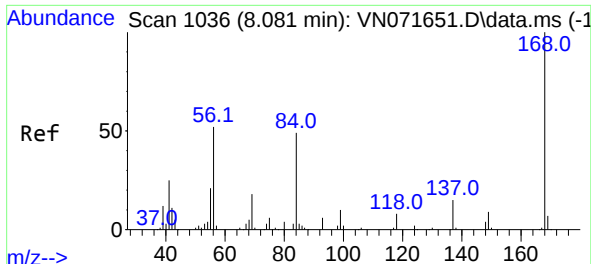
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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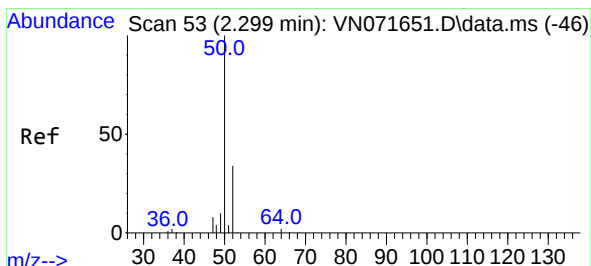
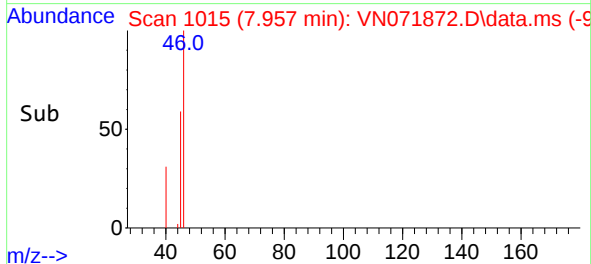
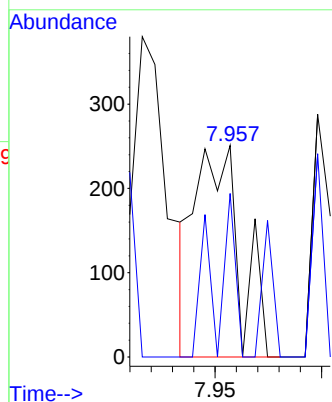
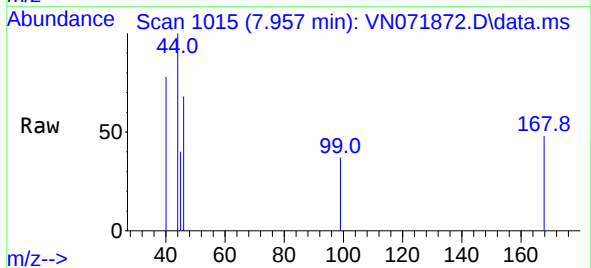




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.957 min Scan# 10
Delta R.T. -0.124 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

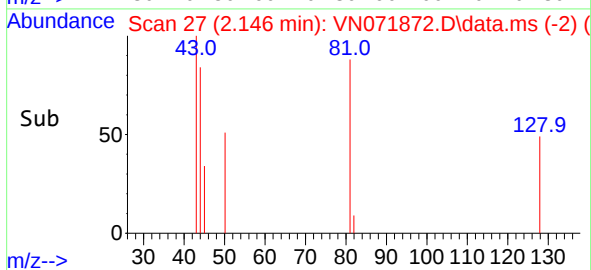
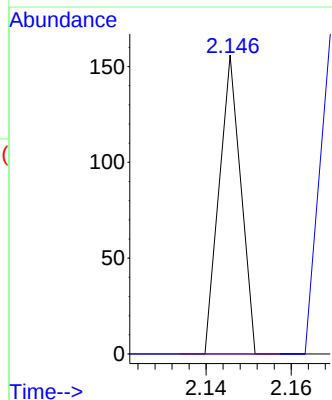
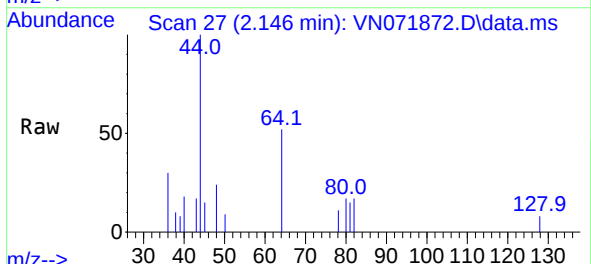
Instrument :
MSVOA_N
ClientSampleId :
VN0406MBL01

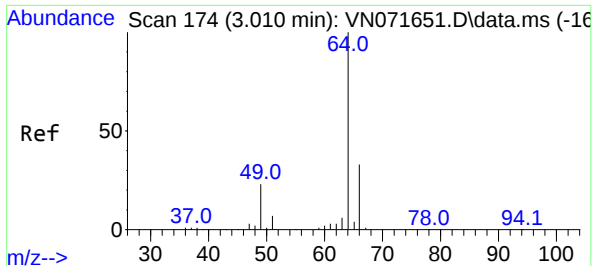
Tgt Ion:168 Resp: 363
Ion Ratio Lower Upper
168 100
99 77.3 42.3 63.5#



#3
Chloromethane
Concen: 15.040 ug/l
RT: 2.146 min Scan# 27
Delta R.T. -0.153 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Tgt Ion: 50 Resp: 55
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

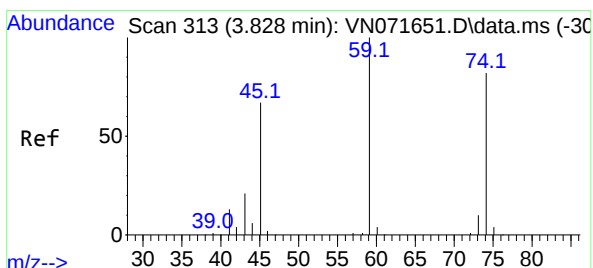
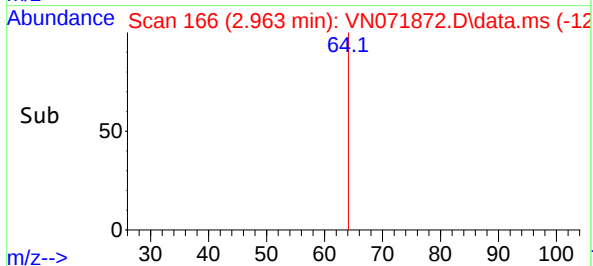
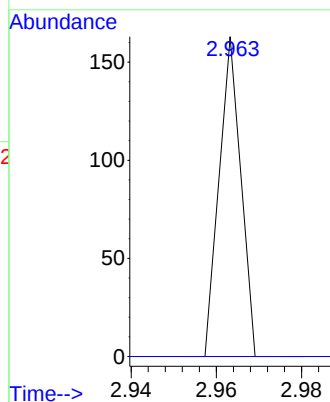
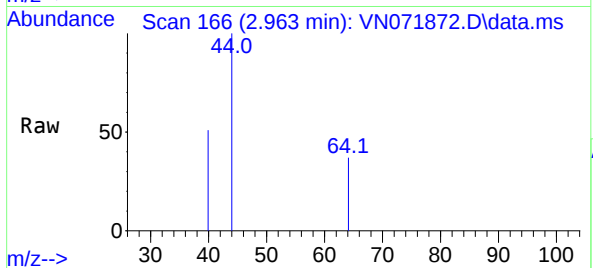




#6
Chloroethane
Concen: 20.076 ug/l
RT: 2.963 min Scan# 1
Delta R.T. -0.047 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

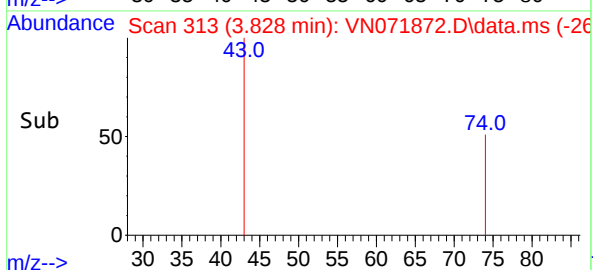
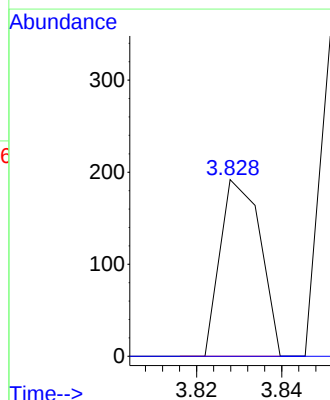
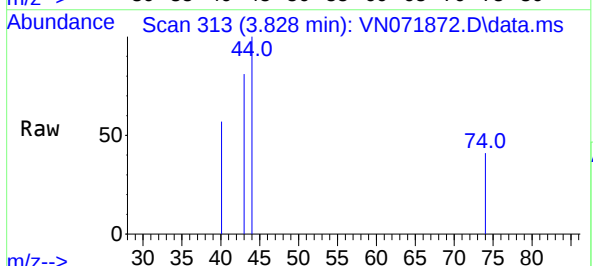
Instrument :
MSVOA_N
ClientSampleId :
VN0406MBL01

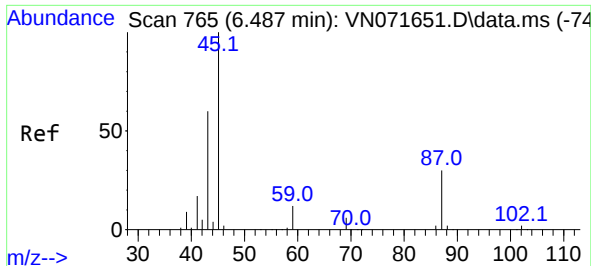
Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#8
Diethyl Ether
Concen: 58.352 ug/l
RT: 3.828 min Scan# 313
Delta R.T. -0.000 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Tgt Ion: 74 Resp: 126
Ion Ratio Lower Upper
74 100
45 0.0 42.9 128.5#





#22

Diisopropyl ether

Concen: 5.195 ug/l

RT: 6.516 min Scan# 71

Delta R.T. 0.029 min

Lab File: VN071872.D

Acq: 06 Apr 2022 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0406MBL01

Tgt Ion: 45 Resp: 55

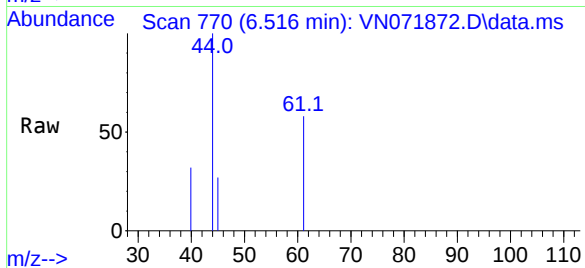
Ion Ratio Lower Upper

45 100

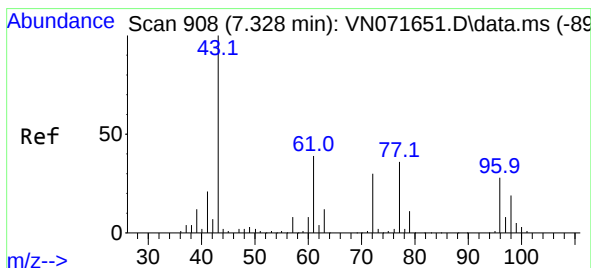
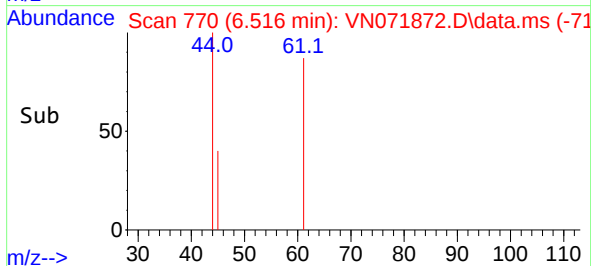
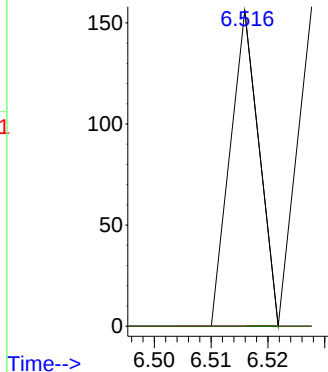
43 0.0 46.6 70.0#

87 0.0 24.3 36.5#

59 0.0 9.6 14.4#



Abundance



#25

2-Butanone

Concen: 23.500 ug/l

RT: 7.016 min Scan# 855

Delta R.T. -0.312 min

Lab File: VN071872.D

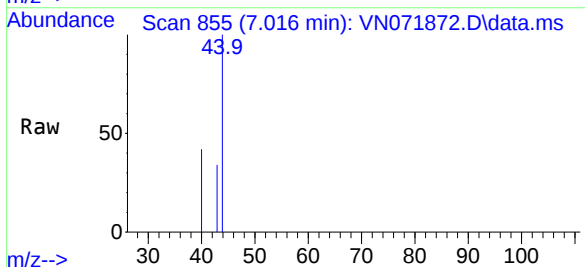
Acq: 06 Apr 2022 12:09

Tgt Ion: 43 Resp: 60

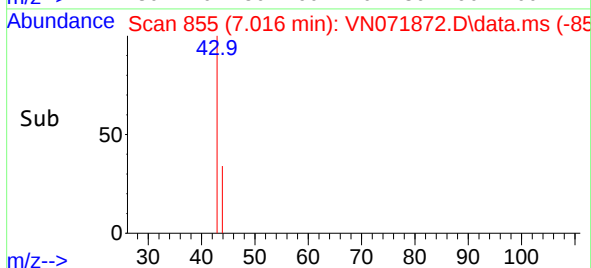
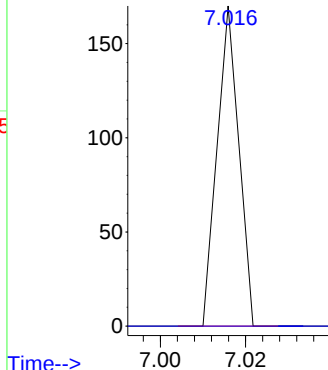
Ion Ratio Lower Upper

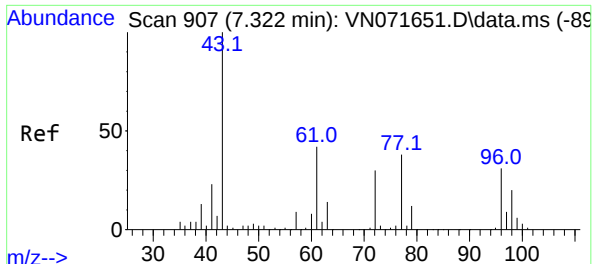
43 100

72 0.0 23.7 35.5#



Abundance

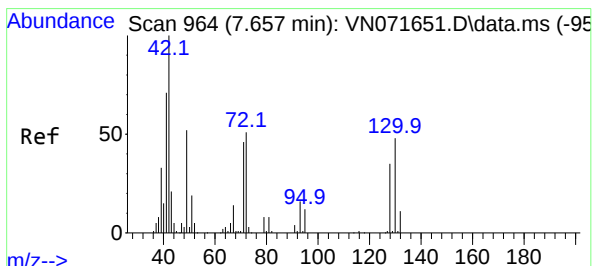
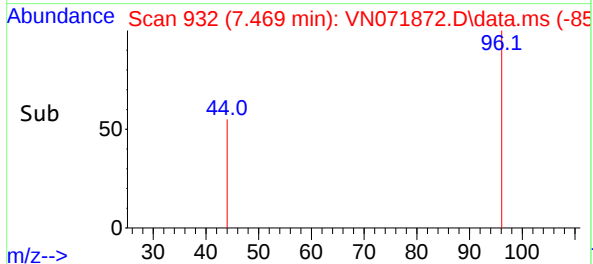
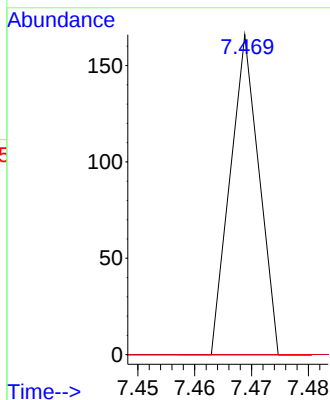
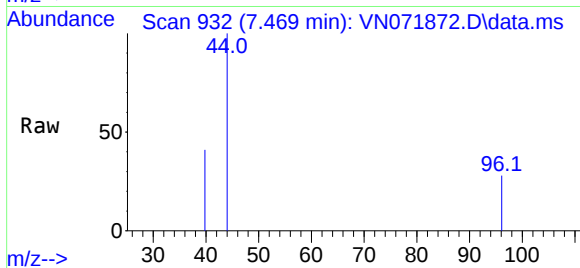




#27
cis-1,2-Dichloroethene
Concen: 14.628 ug/l
RT: 7.469 min Scan# 91
Delta R.T. 0.147 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

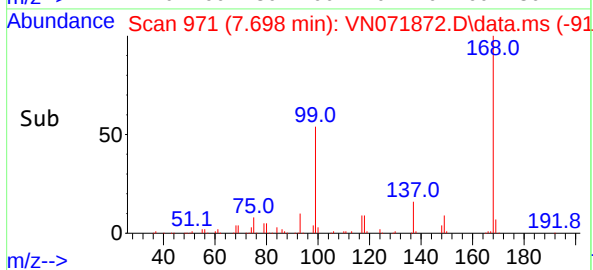
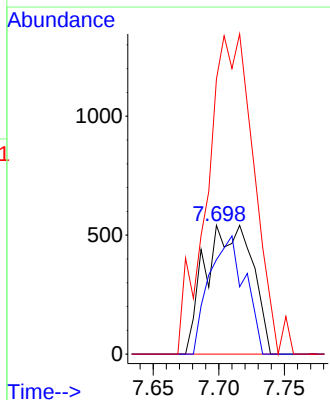
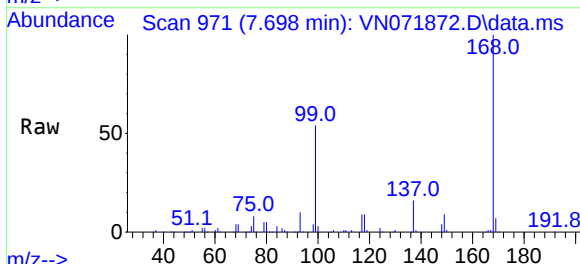
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ClientSampleId :
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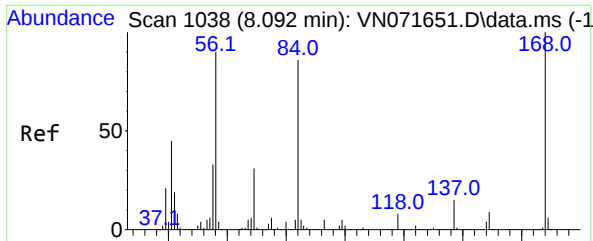
Tgt Ion: 96	Resp:	59
Ion Ratio	Lower	Upper
96 100		
61 0.0	0.0	280.6
98 0.0	0.0	128.4



#28
Bromochloromethane
Concen: 543.249 ug/l
RT: 7.698 min Scan# 971
Delta R.T. 0.041 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

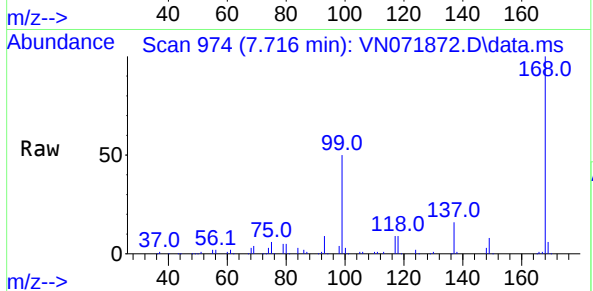
Tgt Ion: 49	Resp:	1362	
Ion Ratio	Lower	Upper	
49	100		
129	69.2	0.0	4.6#
130	245.9	69.7	104.5#



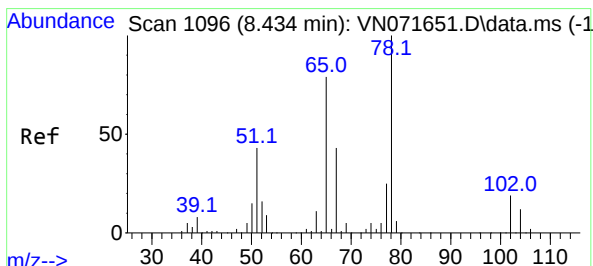
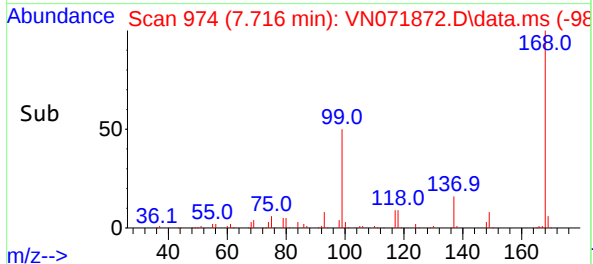
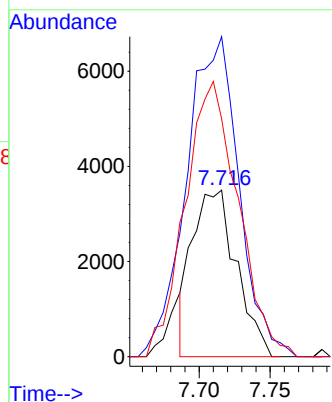


#31
Cyclohexane
Concen: 1336.128 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.376 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Instrument :
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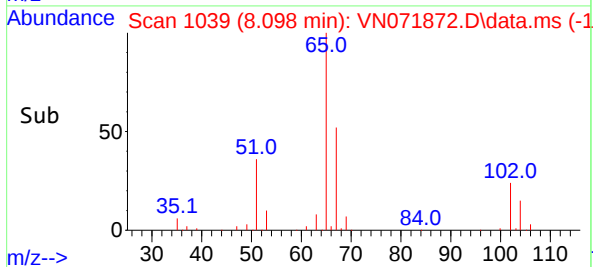
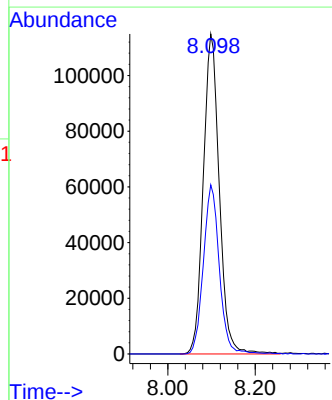
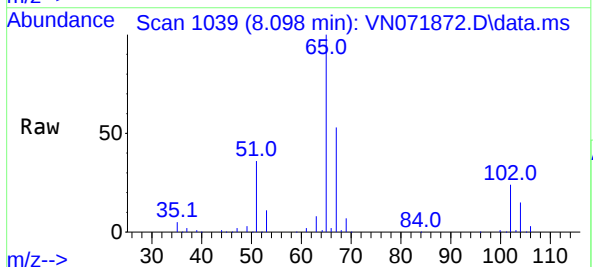


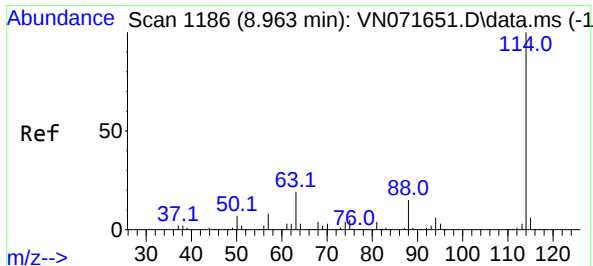
Tgt Ion: 56 Resp: 7530
Ion Ratio Lower Upper
56 100
69 183.6 27.8 41.8#
84 135.9 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 70645.309 ug/l
RT: 8.098 min Scan# 1039
Delta R.T. -0.336 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Tgt Ion: 65 Resp: 292759
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.8

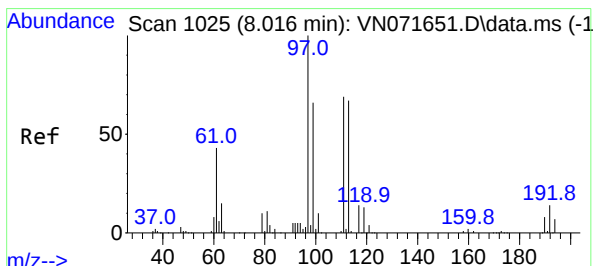
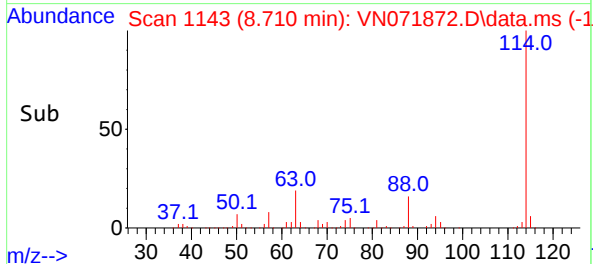
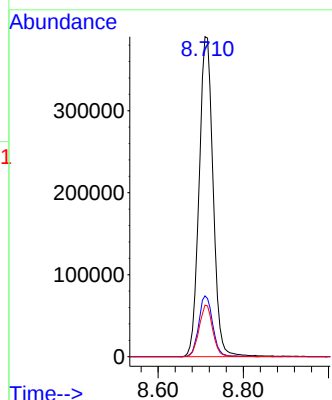
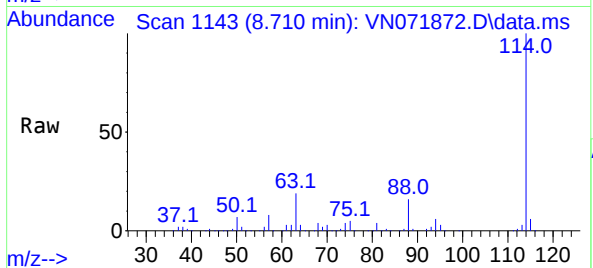




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.710 min Scan# 1143
Delta R.T. -0.253 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

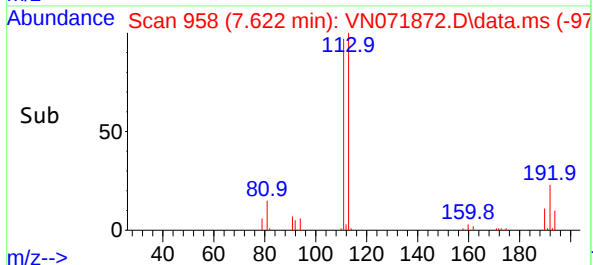
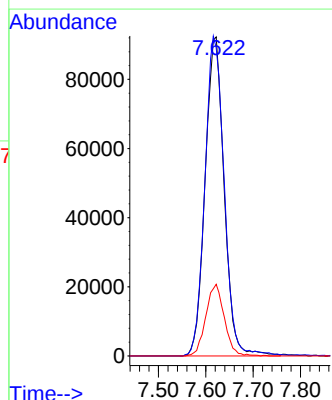
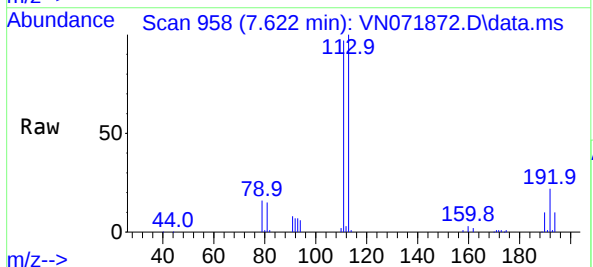
Instrument :
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VN0406MBL01

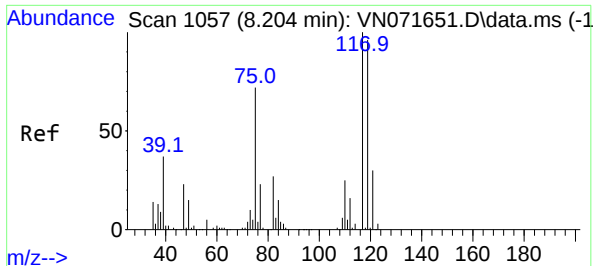
Tgt Ion:114 Resp: 888831
Ion Ratio Lower Upper
114 100
63 19.0 0.0 40.0
88 16.1 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.185 ug/l
RT: 7.622 min Scan# 958
Delta R.T. -0.394 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Tgt Ion:113 Resp: 257252
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 21.8 17.0 25.6

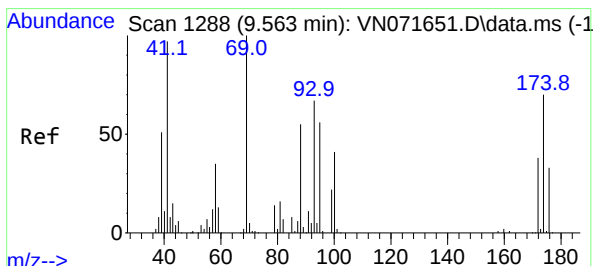
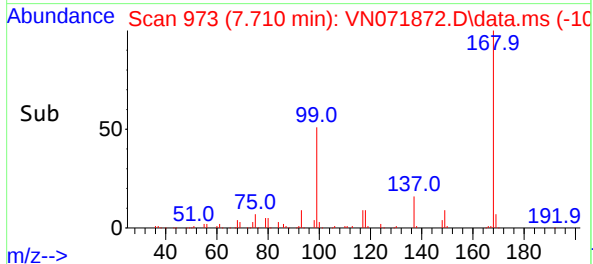
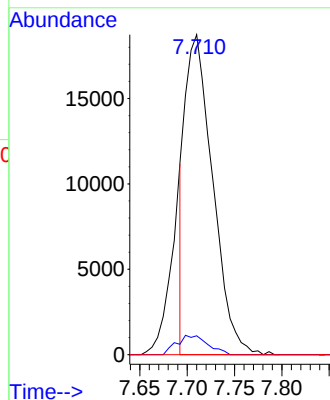
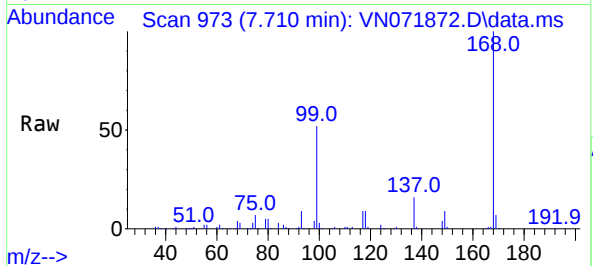




#38
Carbon Tetrachloride
Concen: 5.274 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.494 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

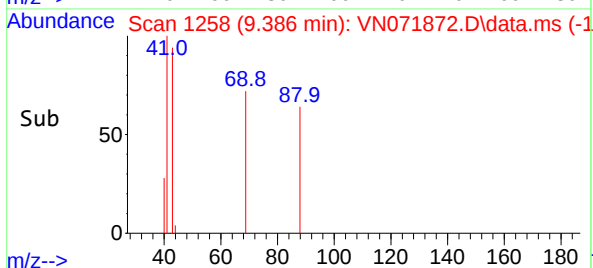
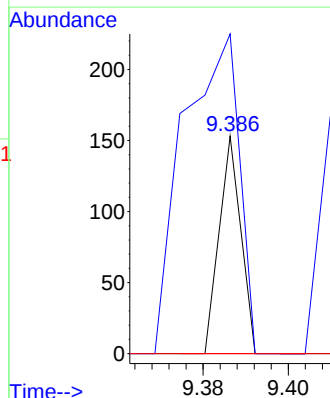
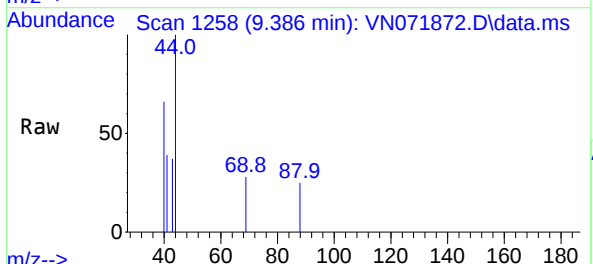
Instrument :
MSVOA_N
ClientSampleId :
VN0406MBL01

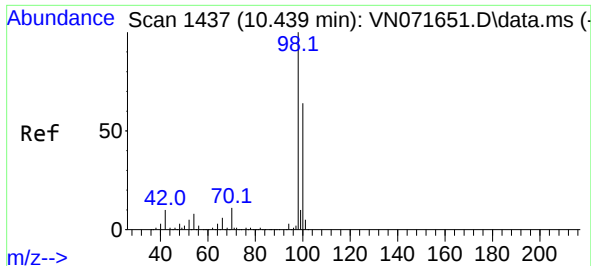
Tgt Ion:117 Resp: 37752
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.386 min Scan# 1258
Delta R.T. -0.177 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 375.9 20.2 30.4#
58 0.0 54.2 81.4#

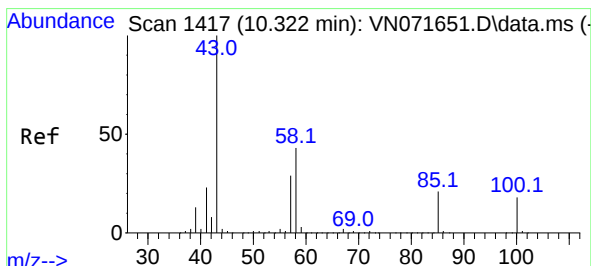
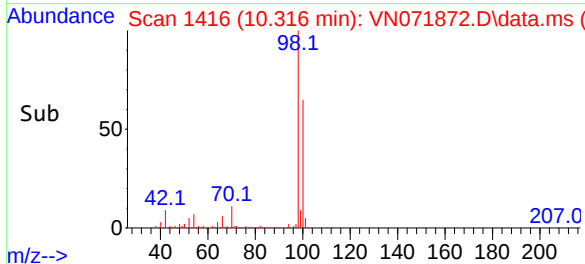
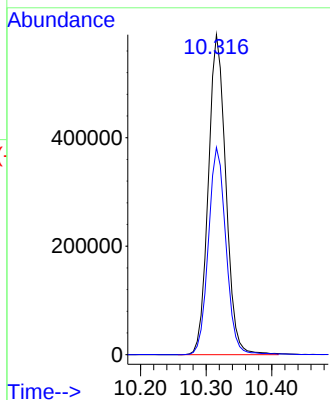
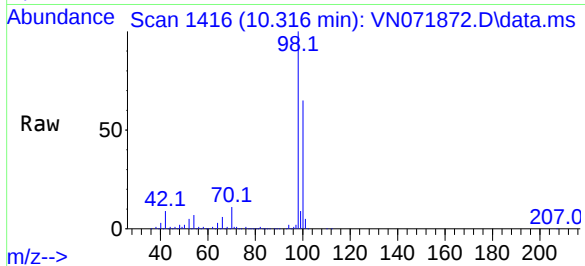




#50
Toluene-d8
Concen: 51.271 ug/l
RT: 10.316 min Scan# 1437
Delta R.T. -0.123 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

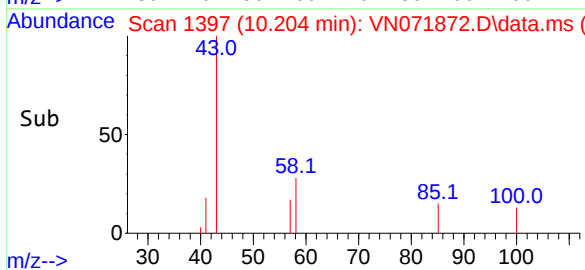
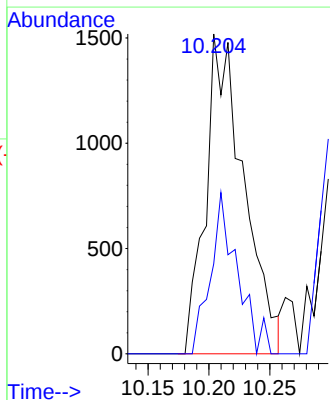
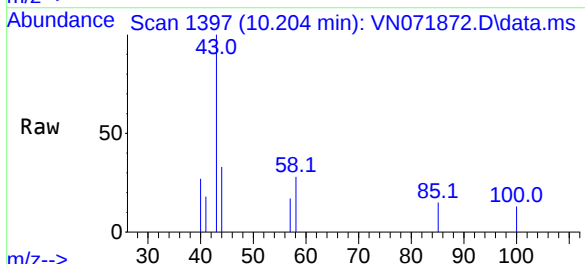
Instrument :
MSVOA_N
ClientSampleId :
VN0406MBL01

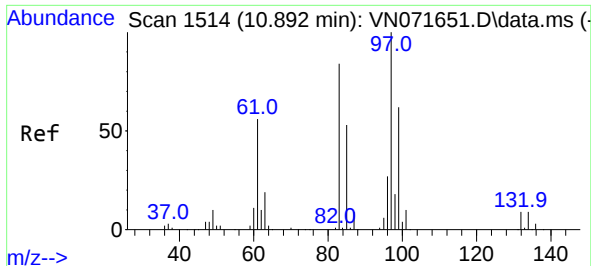
Tgt Ion: 98 Resp: 1096993
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.434 ug/l
RT: 10.204 min Scan# 1397
Delta R.T. -0.118 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Tgt Ion: 43 Resp: 3320
Ion Ratio Lower Upper
43 100
58 35.5 34.1 51.1

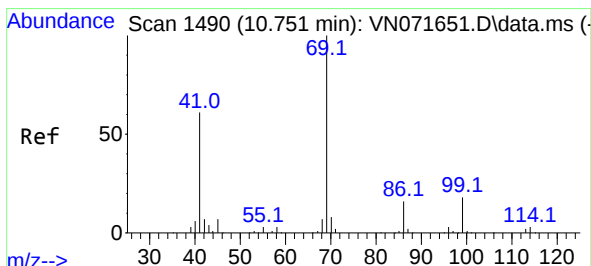
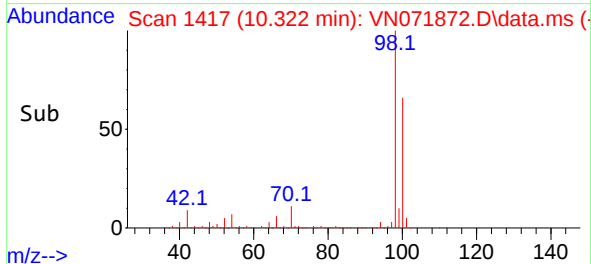
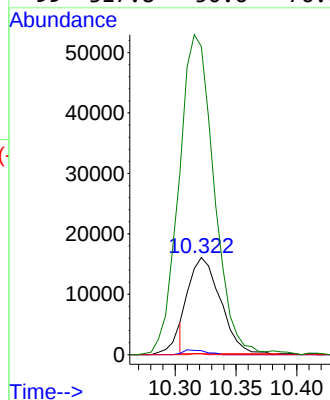
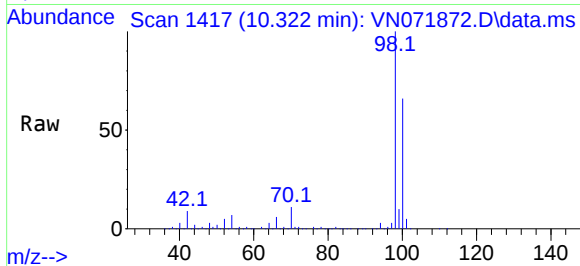




#55
1,1,2-Trichloroethane
Concen: 4.770 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.570 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

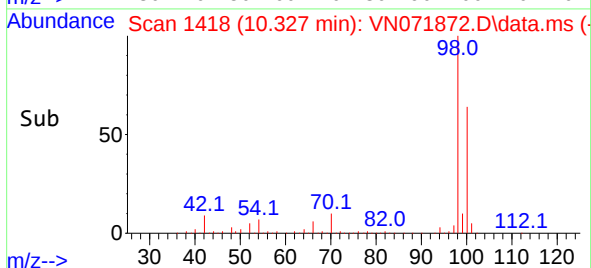
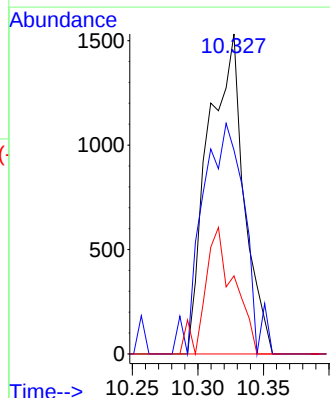
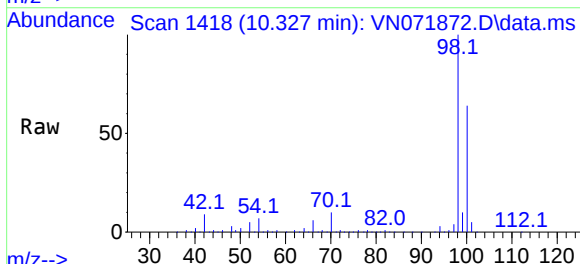
Instrument :
MSVOA_N
ClientSampleId :
VN0406MBL01

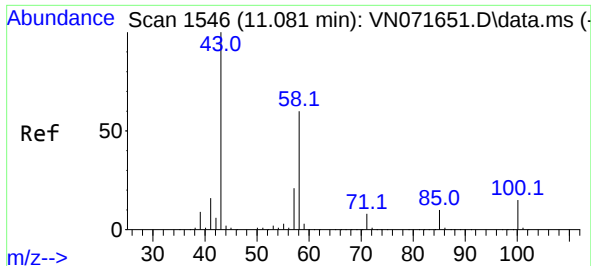
Tgt Ion: 97	Resp: 28632
Ion Ratio	Lower Upper
97 100	
83 4.2	66.2 99.4#
85 1.0	43.9 65.9#
99 317.8	50.6 76.0#



#56
Ethyl methacrylate
Concen: 0.341 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.424 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Tgt Ion: 69	Resp: 2916
Ion Ratio	Lower Upper
69 100	
41 85.3	47.8 71.6#
39 32.1	27.3 40.9

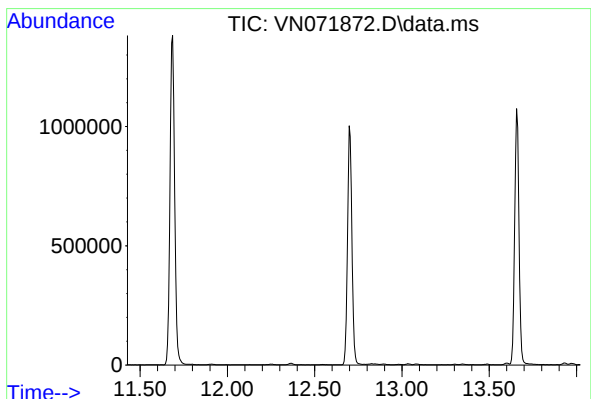
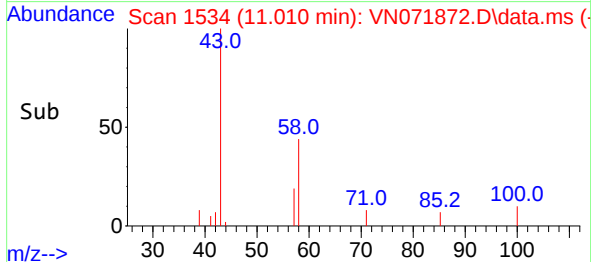
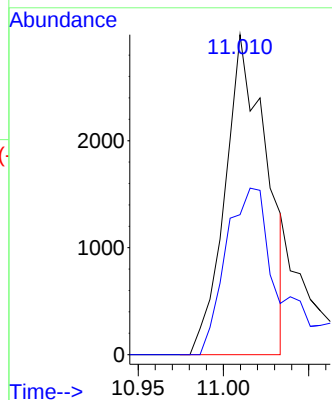
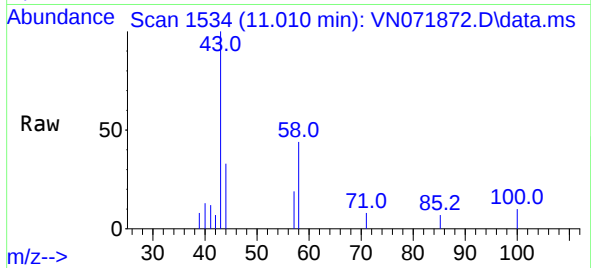




#59
2-Hexanone
Concen: 0.944 ug/l
RT: 11.010 min Scan# 11
Delta R.T. -0.071 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0406MBL01

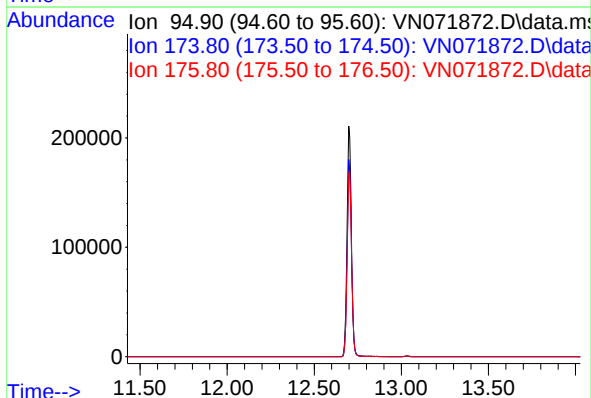
Tgt Ion: 43 Resp: 5082
Ion Ratio Lower Upper
43 100
58 54.3 29.7 89.1

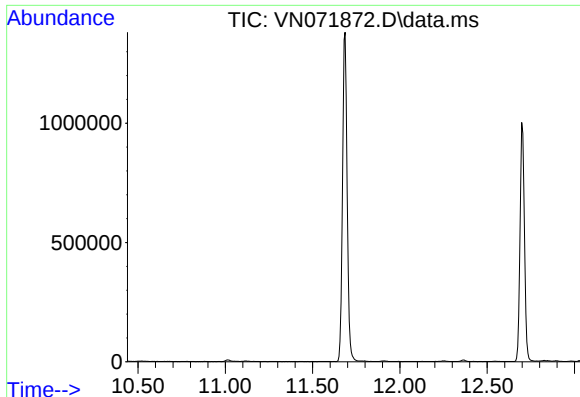


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.73 min

Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Tgt Ion: 95
Sig Exp Ratio
95 100
174 83.8
176 81.7

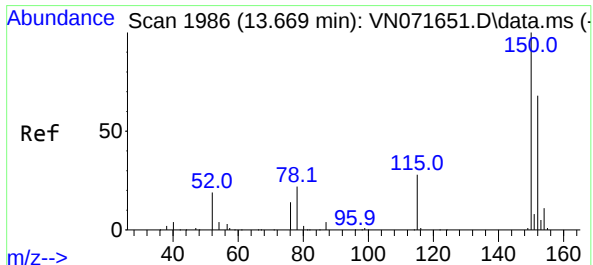
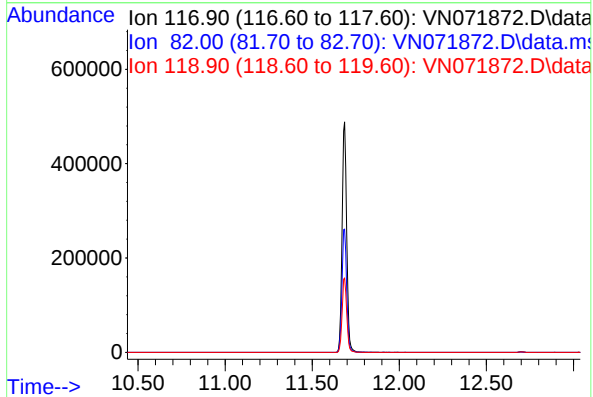




#63
Chlorobenzene-d5
Concen: 0.000 ug/l
Expected RT: 11.74 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

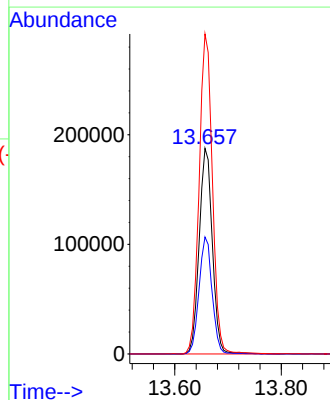
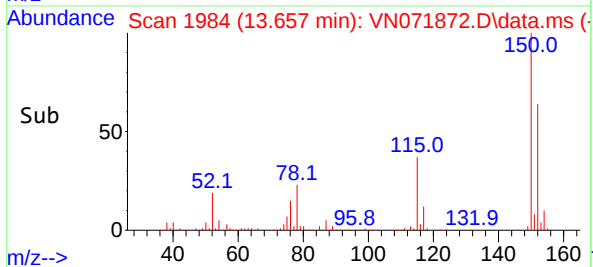
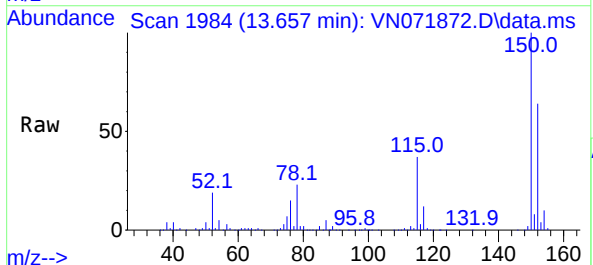
Instrument :
MSVOA_N
ClientSampleId :
VN0406MBL01

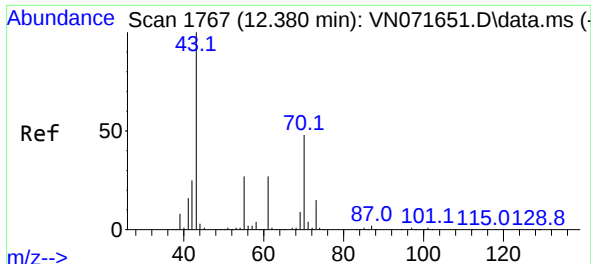
Tgt Ion: 117
Sig Exp Ratio
117 100
82 55.2
119 31.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.657 min Scan# 1984
Delta R.T. -0.012 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Tgt Ion:152 Resp: 321517
Ion Ratio Lower Upper
152 100
115 56.6 28.9 86.7
150 156.9 0.0 356.2

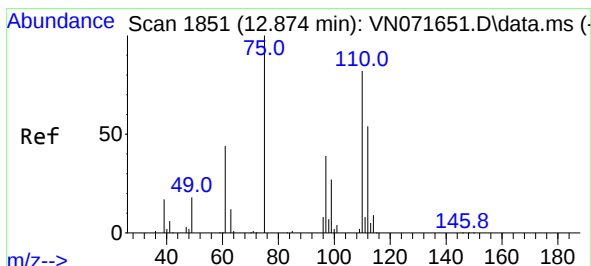
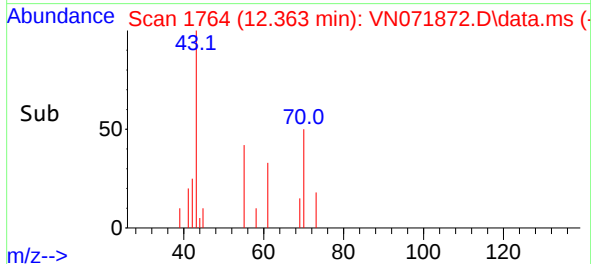
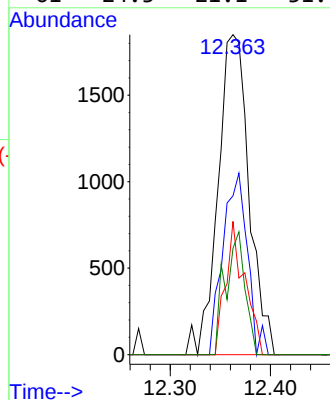
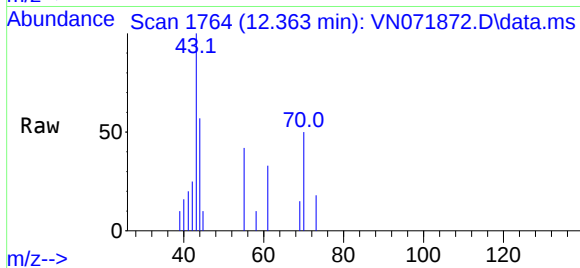




#74
N-amy1 acetate
Concen: 0.513 ug/l
RT: 12.363 min Scan# 1764
Delta R.T. -0.017 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

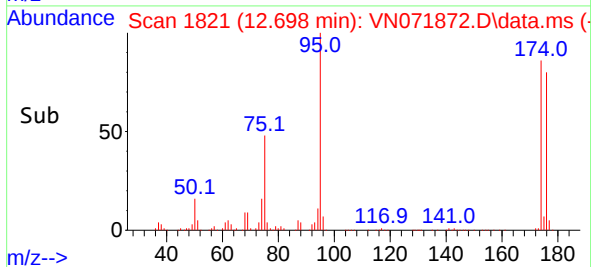
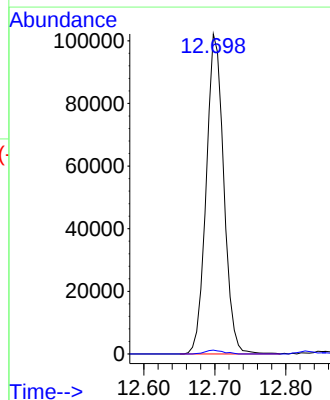
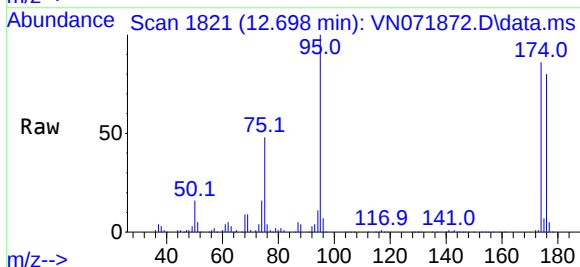
Instrument :
MSVOA_N
ClientSampleId :
VN0406MBL01

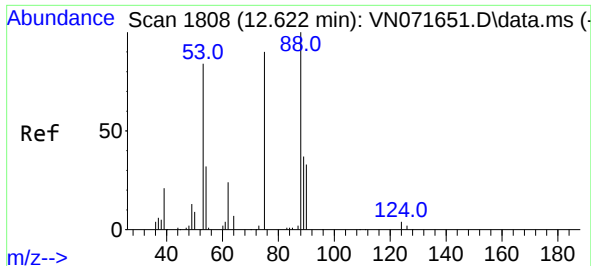
Tgt Ion:	43	Resp:	3986
Ion	Ratio	Lower	Upper
43	100		
70	44.8	39.0	58.4
55	25.8	21.1	31.7
61	24.3	21.1	31.7



#76
1,2,3-Trichloropropane
Concen: 23.562 ug/l
RT: 12.698 min Scan# 1821
Delta R.T. -0.176 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Tgt Ion:	75	Resp:	175492
Ion	Ratio	Lower	Upper
75	100		
77	1.3	98.5	295.5#

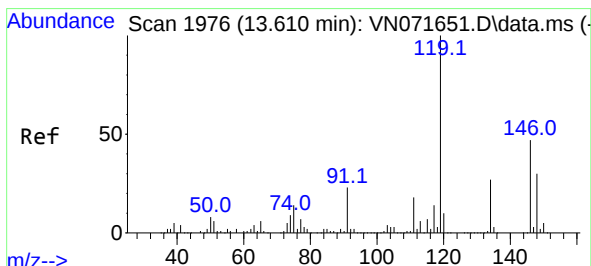
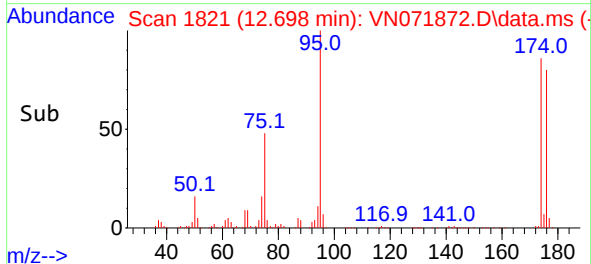
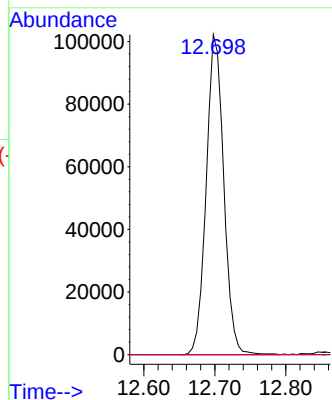
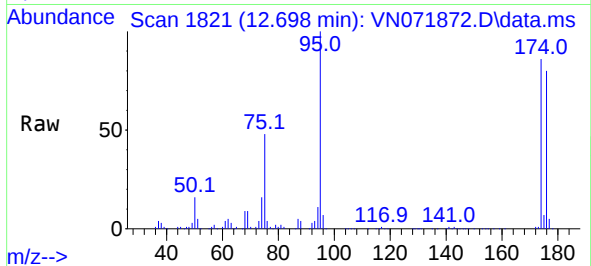




#81
trans-1,4-Dichloro-2-butene
Concen: 73.017 ug/l
RT: 12.698 min Scan# 1821
Delta R.T. 0.076 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

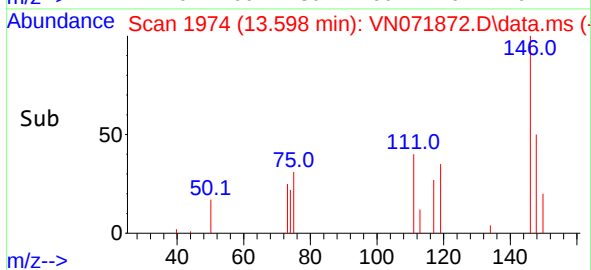
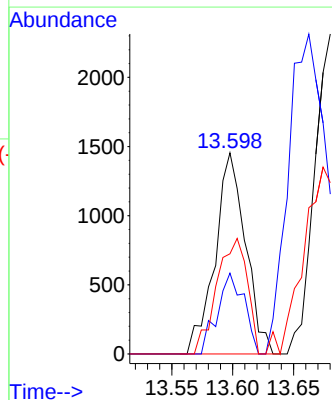
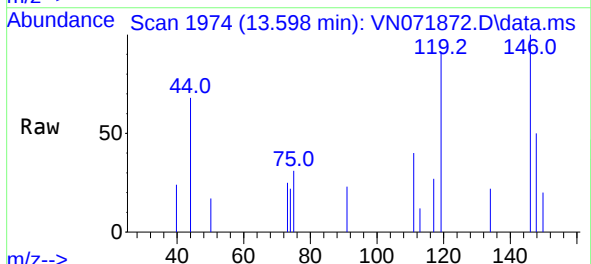
Instrument :
MSVOA_N
ClientSampleId :
VN0406MBL01

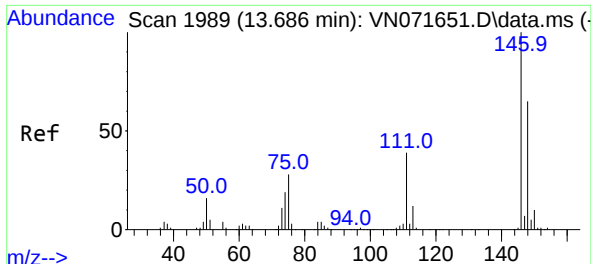
Tgt Ion: 75 Resp: 175492
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#87
1,3-Dichlorobenzene
Concen: 0.235 ug/l
RT: 13.598 min Scan# 1974
Delta R.T. -0.012 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Tgt Ion:146 Resp: 2538
Ion Ratio Lower Upper
146 100
111 34.9 20.0 60.0
148 57.2 32.0 96.0

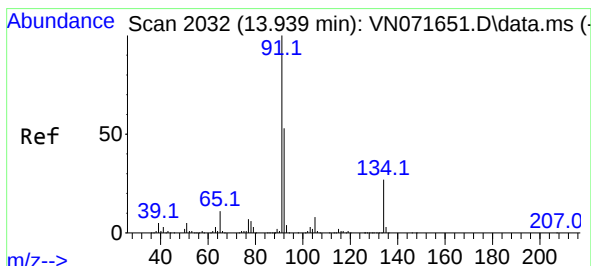
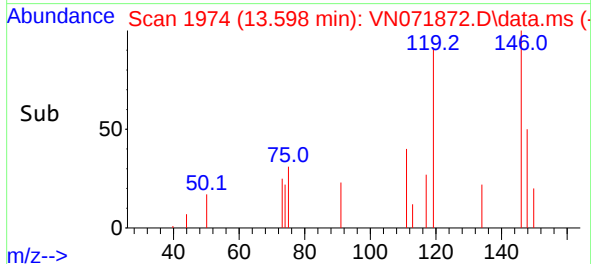
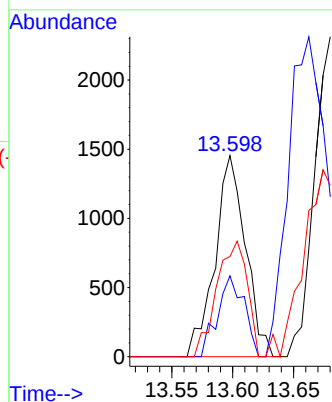
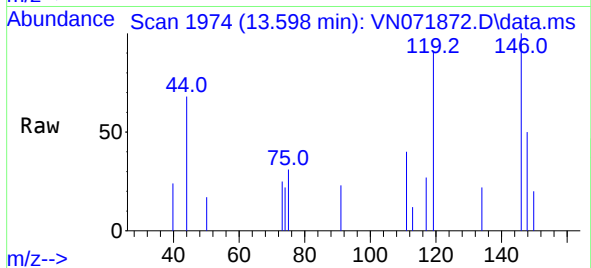




#88
1,4-Dichlorobenzene
Concen: 0.240 ug/l
RT: 13.598 min Scan# 1989
Delta R.T. -0.088 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

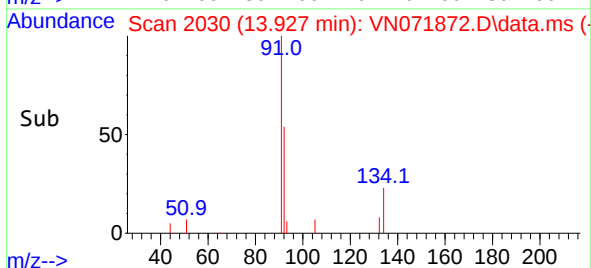
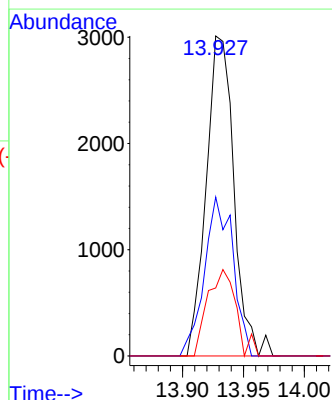
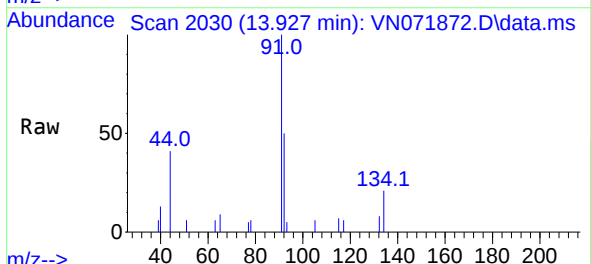
Instrument :
MSVOA_N
ClientSampleId :
VN0406MBL01

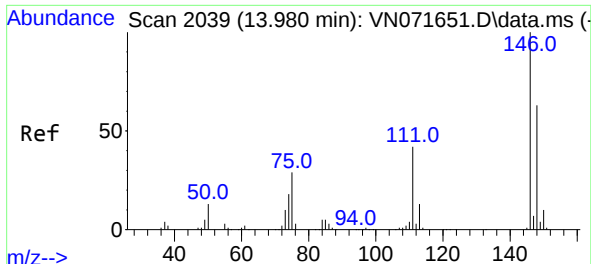
Tgt Ion:146 Resp: 2538
Ion Ratio Lower Upper
146 100
111 34.9 19.1 57.1
148 57.2 31.4 94.3



#89
n-Butylbenzene
Concen: 0.317 ug/l
RT: 13.927 min Scan# 2030
Delta R.T. -0.012 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Tgt Ion: 91 Resp: 4771
Ion Ratio Lower Upper
91 100
92 51.2 26.9 80.7
134 27.6 13.6 40.8





#91

1,2-Dichlorobenzene

Concen: 0.277 ug/l

RT: 13.968 min Scan# 2037

Delta R.T. -0.012 min

Lab File: VN071872.D

Acq: 06 Apr 2022 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0406MBL01

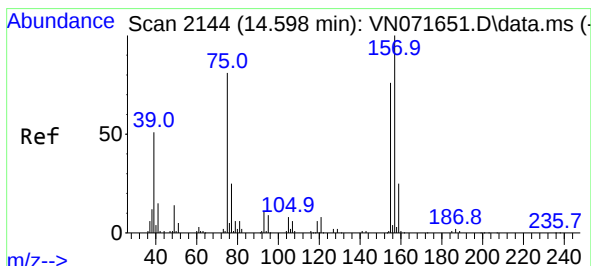
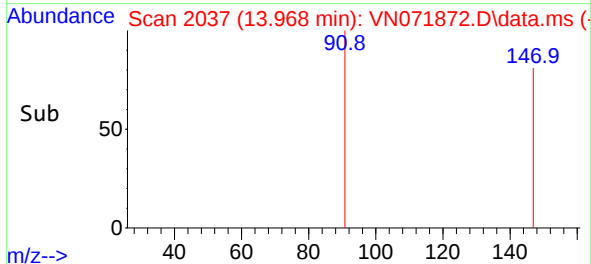
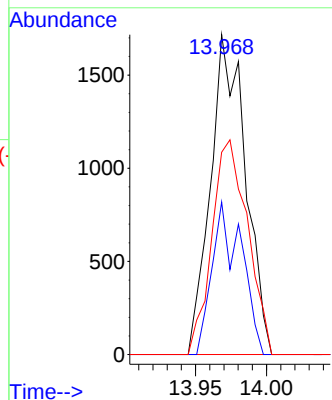
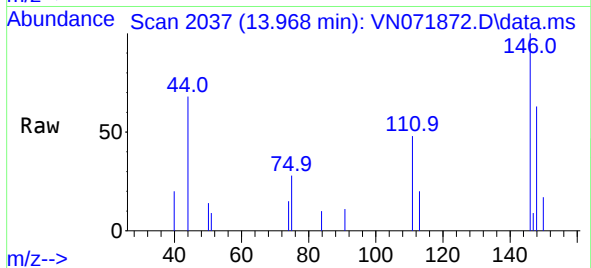
Tgt Ion:146 Resp: 2943

Ion Ratio Lower Upper

146 100

111 39.9 20.9 62.8

148 68.7 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.473 ug/l

RT: 14.592 min Scan# 2143

Delta R.T. -0.006 min

Lab File: VN071872.D

Acq: 06 Apr 2022 12:09

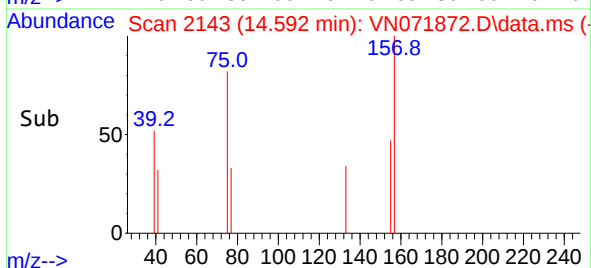
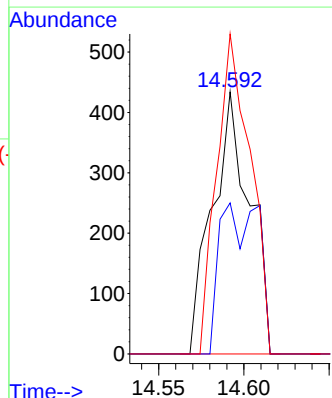
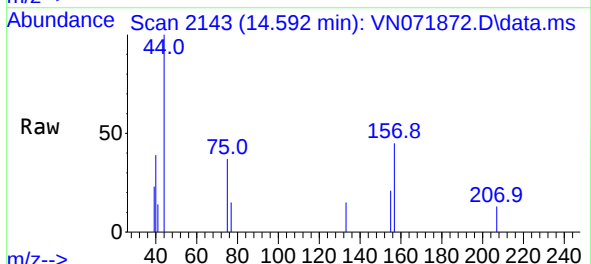
Tgt Ion: 75 Resp: 663

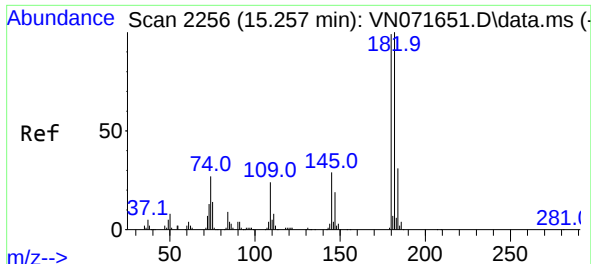
Ion Ratio Lower Upper

75 100

155 60.0 44.9 134.5

157 110.3 59.0 176.8





#93

1,2,4-Trichlorobenzene

Concen: 2.885 ug/l

RT: 15.251 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN071872.D

Acq: 06 Apr 2022 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN0406MBL01

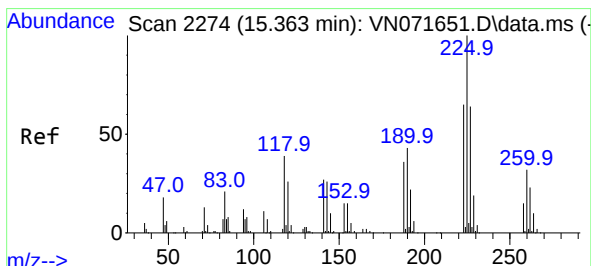
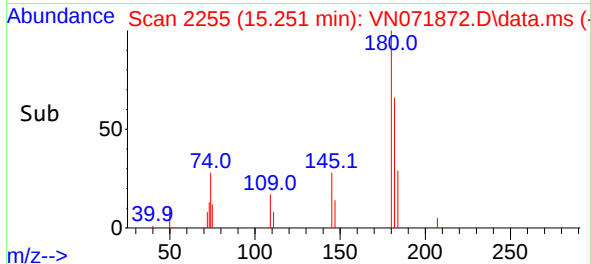
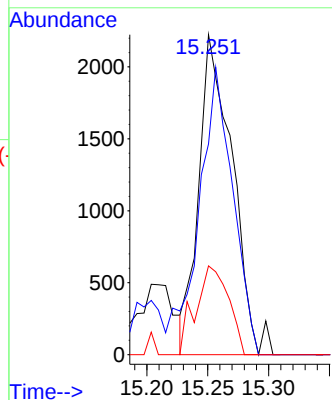
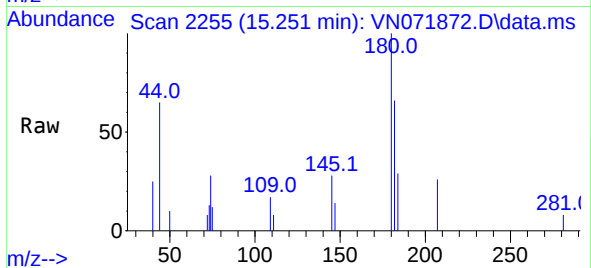
Tgt Ion:180 Resp: 4268

Ion Ratio Lower Upper

180 100

182 90.6 47.5 142.5

145 27.1 14.5 43.5



#94

Hexachlorobutadiene

Concen: 0.204 ug/l

RT: 15.351 min Scan# 2272

Delta R.T. -0.012 min

Lab File: VN071872.D

Acq: 06 Apr 2022 12:09

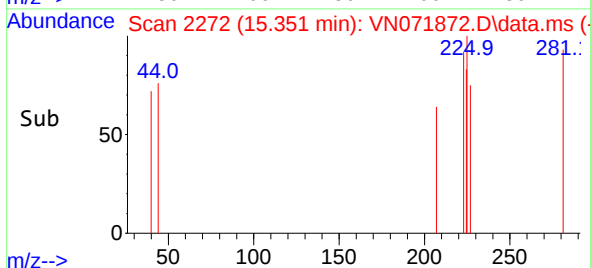
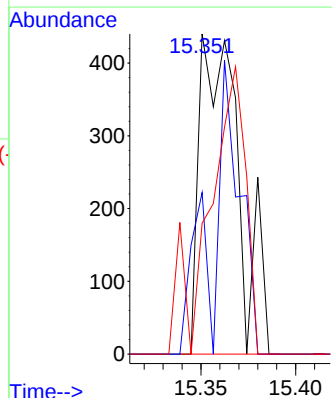
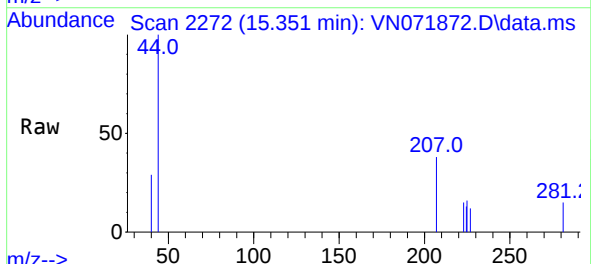
Tgt Ion:225 Resp: 638

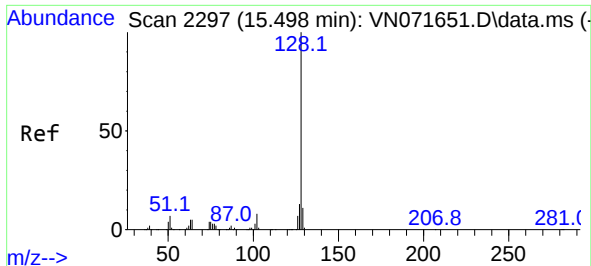
Ion Ratio Lower Upper

225 100

223 66.9 32.4 97.2

227 84.0 31.8 95.4

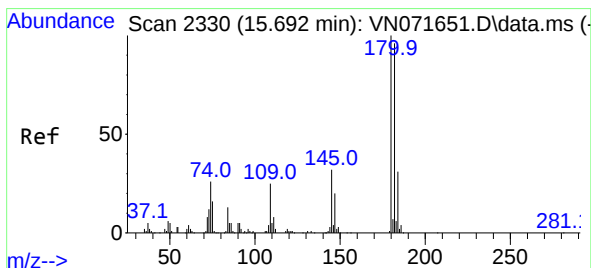
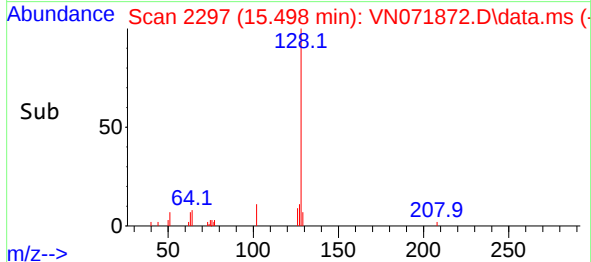
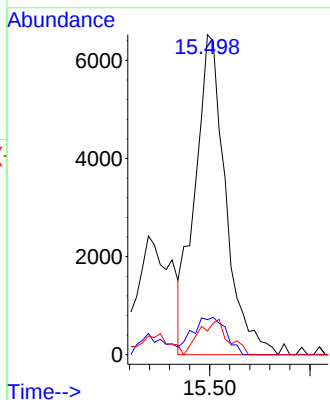
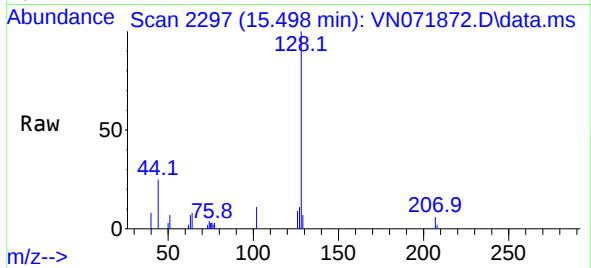




#95
Naphthalene
Concen: 4.678 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0406MBL01

Tgt Ion:	128	Resp:	13870
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.2	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 3.298 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN071872.D
Acq: 06 Apr 2022 12:09

Tgt Ion:	180	Resp:	4605
Ion	Ratio	Lower	Upper
180	100		
182	110.9	47.8	143.3
145	30.2	15.5	46.5

